

BLpb P Jackgapp

T.c. 7

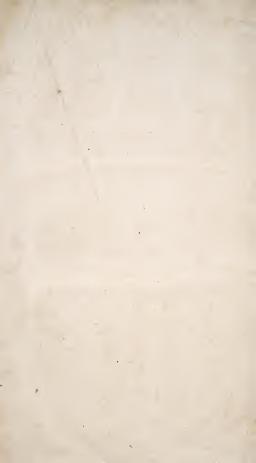




439:40:0 T.c.



T.c a.j



## & Lib & Remon & Bah CYCLOPÆDIA:

OR, AN

## UNIVERSAL DICTIONARY

# ARTS and SCIENCES; a.,

CONTAINING

## The DEFINITIONS of the TERMS.

And ACCOUNTS of

## The THINGS fignify'd thereby,

In the feveral ARTS, Both LIBERAL and MECHANICAL,

#### And the feveral SCIENCES,

HUMAN and DIVINE:

The Figures, Kinds, Properties, Productions, Preparations, and Uses, of Things NATURAL and ARTIFICIAL;

#### The Rife, Progress, and State of Things ECCLESIASTICAL, CIVIL, MILITARY, and COMMERCIAL:

With the feveral Systems, Sects, Opinions, &c. among Philosophers, Divines, Mathematicians, Physicians, Antiquaries, Criticks, &c.

#### The Whole intended as a Course of Antient and Modern LEARNING.

Compiled from the best Authors, Dictionaries, Journals, Memoirs, Transactions, Ephemerides, &c. in several Languages.

#### In TWO VOLUMES.

## By E. CHAMBERS Gent,

Floriferis ut apes in faltibus omnia libant, -LUCRET. Omnia nos-

#### VOLUME the SECOND.

LONDON:

Printed for James and John Knapton, John Darby, Daviel Midwinter, Arthur Bettefworth, John Senex, Robert Goffing, John Pemberton, William and John Innys, John Unbors and Tho. Languan, Charles Rivington, John Hooks, Ranew Robinfon, Frantis Clev, Awar Ward, Edward Synon, Daviel Browne, Andrew Words, Daviel Browne, Andrew Words,

The ninth Letter of the English Alphabet, is both a Yowel and a Confonant; agreeable to which two different Forms. The Helvers call the j Confonant 3 of 3 from 1, Hand and Space, in regard it is supposed to represent the Hand elenchid, so as to leave the Space underneath, word. With clench'd, fo as to leave the Space underneath, void. With them, it was pronounced as the Confonant v, as it fill is among the Gramms and forme other People. The Greeks had no j Confonant, and for that reason, who their Vowel is infield of it, as coming the nearest-no Sound. The French and English have run kinds of Confonants; the French and English have two kinds of: Conformats; the first has a fundling kind of Sound, and ferves to modify that of the Vowels, pretry much in the measure of;, a few, just, jovial; the latter is pronounced like the Hebrus Joal, Inflances of which we have in some of our Words, which are indifferently written with a ye an i before a which are indifferently written with a 3 or an 1 Denote a Vowel, as Voiage, Voyage, Loial, Loyal, &c. in which cases, the 1 is apparently a Consonant, as being a Motion cases, the i is apparently a Contonant, as being a motion of the Palate, which gives a Modification to the following Vowel. The Vowel i, according to Plate, is proper for Vowel. The vowels, according to runs, a proper expressing fine and delicate things: On which account, that Verse in Vivil.

BLUMANITES!

#### Accipiunt inimicum imbrem, rimifant fatifeunt s

Which abounds in i's, is generally admired. The Vowel i was the only Vowel which the Rossas did not mark with a Dash of the Pen, to shew when it was long a instead of which, to denote its Length, they nied to make it bigger which, to denote its Length, they aled to make it begges than ordinary, as in Pije, View, &c. According to Length they repeated it, when it was to be the continue to Length fometimes also denoted the Length of this Letter, by ad doing a to it, and turning it into a Dipthong, as Diesi for Diel, Owners for Ownis, &c. I was antiently a Numeral Letter, and fignified a Hundred, according to the Verie, Letter, and figured a required, according to the Verte, R.C. Compar tent, & Centum figuificadis. I in the ordinary Roman way of Numbering figuifies One; and when re-peated, figuifies as many Units as it is re-rested times.

Romen way of Numbering tignifies tore; and when re-peated, fignifies as unany Unia as it is re-created einer. In Abbreviations and Ciphers, I. frequently reprefers to the control of the control of the control of the JaBaJAHITE, the Name of a Soft amount the Ma-fatimen, who, according to Rosset, reach, That God in not perfectly wife, than his Rosseledge does not create overy things and that Time and Experience have first mithed him with the Rosseledge of many things whereof he was before ignerant: Thus, fay they, not being ap-prized from all Eremity of every Event that field happen prized from all Exercity of every Event that Beilg hapen in the World, he is obliged to govern it according to the Chance and Occurrence of thost Events. JACK in a Strp, is that Sail that is heifted up at the Spris-Sail-Top-Biath-Head. In Fakonry, Jack is the Male of the Birds of Sport.

Sprit-Sail-Top-Mult-Head. In Falconry, year as the passe of the Birds of Sport.

JACK by the Helge, is an Herb that grows wild by Hedge-doke, and under Banks, with a bread Leaf, and hath the Smell of Garlick: It is care as other Sailad-

Herbs, especially by Country People, and much used in Booth.

JACK in a Lembern, or Will with a Wife, and fore-times Igini Ettus, is a certain Meteor, or claramy Vapour in the Air, which reficht Ight in the Dark, commonly haunting Church-yards, Fens, and Privies, as fleaming our of a fat Soil: It also files about Rivers, Hedges, Ed. where there is a continual Plan of Air, and lead's Persons, Value of the state of the state

Heights and Diffances; the fame with Crofs-Staff JACOBIN, Dominican. A Name given in France to the Religious who follow the Rule of St. Dominic, on occasion of Religious who follow the Nule of St. Daminic, on occusion of their principal Convent, which is near the Gate of S. Samer as Paris, and which before they became peffetfield of it in the Year 11.8, was an Holpital of Filiprims dedicated to the fail Saine. Others maintain, that they have been cal-cillation of the Saine Saine Saine Saine Saine Saine in regard they presended to invitate the Lives of Apo-They are also called Friers Predicants, and make

files. They are also called Friars Predicans, and make one of the four Orders of Mendicants. See Desmission. JACOBITE, a Seed of Hereticks who were antisently a Branch of the Empésium, and are full flowlitting in the Lenant. They were so called from one Sames of Sysia, who was one of the Heads of the Manaphysians, or Secta-tics, who own'd but one Nature in Jelus Christ. The ries, who own'd but one Nature in Jefus Chrift. The Monophylics are a Seef of wat Extent, competending the American, Copini, and Anglinian, but these among them who are properly Junkies, a tout few; and among their too, there is a Division, fome being Romaniv'd, and other petitelly werely to the Romish Church: Each of which Parties have their foveral Patrarchs, the one at Carmair, and the other at Derzopharan. As to their Faith, all the

Memphyfices, both Saulifer and others, follow the Dolling germs teaching the Unity of Nature and Person in Christ. Jacobise in England, is a Term of Reproach bestow'd on fuch Perfors as difallow the late Revo and ftill affert the Rights, and adhere to the Interests of the late Ring James and his Line.

IACOBUS, a Gold Coin worth as Shillings; fo called JACOBUS, a Gold Coin worth 25 shillings; fo called from King Jamer the first of England, in whose Reign they were struck. We usually dislinguish two kinds of Jaco-las, the Old and the News; the former worth 25 shillings, weighing 6 Fenny Weight to Grains; the latter, called also Careira, worth 25 Shillings, in Weight 3 Penny Weight

20 Grains. JADE, a greenish Stene, bordering on the Colour of Olive, much edicem'd for its Hardness, which exceeds that of Porphyry, Agas, and Jasper, and only to be cat with Powder of Diamond. It is in toighty edeam among the Tarks and Pales, who adom all their fine Works with the Tarks and Fales, who adorn all their time Works with it, and effectally the Handles of their Sabres. This Stone applied to the Reins, is faid to be a Prefervative from the Nephritic Cholic. Mr. Braier tells us, that the from the Neparitic Choite, Mr. Bruner tells us, that the Caravans of The fer carry it to Cachonire, and that the Ga-bbs prize it as highly as Diamond. The Natives of Sunt.

herica value it on account of the Virtues they artifute to it in the Epileply, Difease of the Reins, the Stone and Gravel. In a Treatife of it printed at Paris, the called the Divine Ston

led the Divine Stone.

JALAP, is the Roce of a Plant not truch unlike our Bryony, and is therefore by fone called Eryonia Penvois
says, for, it, is, brought to us chiefly from Pern and Newspass. 1 to foliate and the six see, excellenced of a Species, and therefore as this is fometimes called Medicana nirra. that goes as often by the Name of Taletine of Inde that goes as often by the Name of Salopius schuse. As this does not appear to bave been known to the Antients, it has its place in Medicine only fince the parts of America, which produce it, have been dead to by Europeant. That which breaks blackeft, mell brittle, found, and fining which is fee, in the bell; by ration the relinous Parts, which give it their Properties, are improfed to conrains, which give it those properties, are supposed to con-rain its Medicinal Virtues. Some take great pains to ex-Track its Refin, which is to be done with any florituous Menthrasm, and afterwards want Correctors for it. The most common, is Salt of Tarrar or Lonf-Sugar; but it orrecting confills in Separating its Parts, as it certainly correcting confills in figurating its Pars, as it certainly does, the drawing it from the Root, and making it into the Root, and making it into a Refin, must be very needlefs. Monficer Balder, who hash made feveral Experiments upon it, fays, it is one of the best Carharries we have, taken as Nauree only has prepared it. See Quinty's Differentatory.

IAMPEUS, in the Greek and Lam Poetry, is the Nama

of a Foot in a Verse, contisting of a long and shore Syllable, as Harner expresses it,

#### Syllaha Jonga leevi fubjella mocatur lambut.

The same Poer calls the Lambus a swift rapid Foot, Pes Gras. The Word, according to some, rakes its Name from Lambas, the Son of Pan and Ecbs, who invented this Foot,

The control of the co of a Ship

#### Phaselus ille, quem videtis Hospites.

The focond kind are those called simply Jamlies. These have no lambur's but in the even Feet, the there are lame-times Tribrachia added to them, excepting to the laft, which is always an lambur; and in the uneven Feet they have Spondees, Anapolis, and even a Dactyle in the first: Such is that of Master in Owid,

#### Screare poesi, perdere an possin rozas?

The third kind are the Free Lambie Verfes, in which 'ris not absolutely necessary there should be any Lamba, excepting in the last Foot; of which kind are all those of

émistis merité propium, qui alienum appesis,

(366)

In Comedies the Authors feldom confine themfelves more, frequently lefs, as we may observe in Plantes and Terence; but the fixth is always indispensibly an lander.

As to the Varieties, occasioned by the Number of Syl-lables, we call an Jambie, or Dimetre Jambie, that which has but four Feet:

Querwatur in Sylvis Aves.

These which have fix are called Trimetres: These are the most beautiful, and are used principally for the Thea-tre, particularly in Tragedy; wherein they are vastly prefree particularly in Irageay; wherein they are warry pre-ferable to the Verfes of ten or twelve Feet ufed in our modern Drama, in regard they come nearer to the Nature of Profe, and favour lefs of Art and Affectation.

Dij Conjugales, tuque genislis Tori

Lucina Oufies, &c.

Those with eight are called Tetrametres, and are only used in Comedies:

Pecunian in Loco negligere maximum interdam eft Lu-crum, Terence. Some add an Iamlie Monometre, with two Feet:

They are called Monuerers, Dimerre, Trimerre, and Te-trasserres, that is, of one, two, three, and four Measures, they are the second of the second of the second they are the second of the second of the second they are the second of the second of the second partial second of the second partial second of the second partial second of the Caraleffic, which want a Syllable;

Mufa Josew canebant.

The Brachycataleffic, which want an outire Foot 5 Mulie Bovis Gnate.

The Hypercataleffic, which have either a Foot or a Syllable too much :

Mufa Sorores funt Mineroe, Mufa Sorores Palladis lugent

Many of the Hymns and Authems, used in the Church,

Many of the Hymns and Anthenn, 1661 in the Church, are Dimente Insuits, that is, confining of four Feet.

8, JAMES of the Stone, a Milliary Order in Space instituted in 1179, ander the Reign of Fernand II. King of Lower and Casista. It finds win to part a flow the insuitable of the Church of Casista. It finds win to part a flow the insuitable of the Church of the for, which has been unted to the Course of Spain. The Kingles are obliged to make proof of their Different from Families, that have been noble for four Generations on Families, that have been noble for four Generations on Families, that the second of the second of the second for the second of the second of the second of the energy of the second of the second of the second for the second of the second of the second of the hereafter they were truly Religious, and took a Vow of mary. They sow make as Vow who of Fourtry, Obe-dience, and Conjugal Tridelity to which, faces the Year Conception of the Islay Vinjus. Their Habit is a white Conception of the Holy Virgin. Their Habit is a white Clock with a red Crofs on the Breath. This is effected the most considerable of all the Military Orders in Spain.

The King carefully, preserves the Office of Grand Matter The King carefully preferves the Office of Grand Mailer in his own Family, on account of the rich Recoverse and ber of Reights is much greater now than formerly, all the Grandesc duding rather to be received into this, than into the Order of the Golden Fleeces; inadfunch at this part of the Grandesc duding rather to be received into this, than into the Order of the Golden Fleeces; inadfunch at this prevention, and the properties of the Golden Fleeces; in the Provinces of Spair, but of pocally in Canadonia.

ANIZARISE, the Grand Signier's Canado, or Soldiers.

in the Tarky's Infantry. As, in the Tarky's Army, the En-ropeas Troops are diffinguished from those of Ma, the Santra zeries are also diffinguished into Januaries of Configurations, and of Danis Jose. Their Pay is from two Aspers to twelve and of Dimergions. Their Pay is from two Afpers to weelve po Dimer is for when they have a Child, or do any figual Piece of Service, their Pay is natureneed. Their Deci-when the Child of the Child of their pays of the which is pirch rilen annually, by the Grand Signior, on the first Day of Remusan. They wear no Turban, but in line of that a Lind of Bonnet, which they call Zerelz, and a long Hood of the fame Smith Banging on their Shoot-less. On Inclease Days they also me them with Feathers,

O J A. which they flick into a little Cafe in the forepart of the Booner. Their Arms in Zensys, in a time of War, are a Sattep, a Carabine, or Maliquer, and a Caracush-Boo Sattep, a Carabine, or Maliquer, and a Caracush-Boo Markey were really a Staff in their Hand. In σ[6], where Product and Fix-Arms arm one uncommon, they were Bow and Arrows, with a Poniard, which they cold. Ranker. The Jointon's were between common they were Bow and Arrows, with a Poniard, which they cold. Ranker. The Jointon's were between Canada, which are they are the Product of the Caracush and a fatterwards of his LE 1 and Saltan fabels they depend and at Int Histonia gled in the Califie of the Georg Towers; but they are now Tamerican are California of Trailors, and they the Tower are the Caracush and the Caracush are considered as a considered of Trailors, and they they were the Caracush and the Caracush much lots connectation. Here, values es not account of Janieuries are Children of Tribute, raifed by the Tuekt on the Chriftiaus, and bred up to the military Life. They are tuken at the Age of twelve Years, to the end, that forgetting their Country and their Religion, they may know no other Parent but the Saltan. However, geneknow no other Parent but the Sulann. However, generally speaking, they are not now-days arisfed by way of Tribute; for the Carach, or Tax, which the Tark's impose not be Christian, for allowing them the Liberty of their Religion, is now paid in Mosey, excepting in some Places, where Money being facter, the People are unable to pay in Specie, as in Mongraia, and other Provinces. ble to pay in Specie, as in Mingrelia, and other Provinces near the Black-Sea. The Officer who commands the whole Body of Januaries, is called Januar Appli; in Emplify.

Aga of the Januaries, who is one of the chief Officers of
the Empire. The the Januaries are not prohibited Marriage, yet they rarely marry, nor then, but with the Con-fent of their Officers, as imagining a married Man to make a worfe Soldier than a Batchelor. It was Ofman, or Orioman, or, as others will have it, somerath, who first inflituted the Order of Passicaries. They were at first called Jois, that is, Footmen, to diffinguish them from the other Tirk, the Troops whereof confisted mostly of Caval-Menage, after Voffus, derives the Word from Gen which, in their Language, fignifies Novas Hommer, or Mi-lites. Herbelor tells us, that Jenineber fignifies a new Band or Troop, and that the Name was first given by Amerath 1. called the Conqueror, who chaing out one fifth part of the Christian Prisoners, whom he had taken from the Greeks, and instructing them in the Discipline of War, and Greefs, and latteacling them is the Diffipline of War, and the Dolfman of their Relipsion, for them to Holf Bolders the Dolfman of their Relipsion, for them to Holf Bolders tremely reward among the Tarkh) us the end that he might centre his Belling on them, and as the fame time give them fome Mark to dislinguish them from the red of the Trope. Belling on them, and as the fame time give them fome Mark to dislinguish them from the red of the Trope. Belling on the Holf of the Loader of the hald on, and part to the Holf of the Loader of thinner Milliant from wholt time, since the Year of Chrift 1957, they have fall retunned the Name Crossibers, and the Durbonner. Figures we tell saw, that the Diffipline of the Parksoner. Figures we tell saw, that the Diffipline of

Far-bannet. Figiners tells us, that the Intentume of-ferred among the Justicarie is excremely conformable, in a great many things, to that ufed in the Resear Legicos. JANIZARY, at Rese, is the Name of an Officer or Pen-florer of the Pope, called also Passicipus, by reason of certain Rights or Dues which they have in the Annates, Bulls, or Expeditions of the Resear Chancellery. Most Authors are miffaken in the nature of their Office; but

annia, or asspections of the Samer Chancellory. Moli-ther truth is, they are Officers of the hint Beech et Col-leg of the Romer Chriscollery. The first Beech whereof condition Of Wirest, the focal of al Mohermans, and the vifers of the Foye's Balls.

JANENINSH, the Decline of Terminal Sanfon, com-mently called Sanfornia, ince Ballon of Tyre in France, no great Nofis in the Worls, dill refer the Death of in Ambrin 1638, when Franced and Calema, his Executors, the Control of the College of the College of the truth of the College of the proposition of the College of the College of the proposition of the College of the College of the proposition of the College of the College of the proposition of the College of the College of the proposition of the College of the College of the proposition of the College of the College of the proposition of the College of the College of the proposition of the College of the College of the College of the proposition of the College of the College of the College of the truth of the College of the College of the College of the theology of the College of the College of the College of the theology of the College of the College of the College of the theology of the College of the College of the College of the theology of the College of the College of the College of the theology of the College of the College of the College of the theology of the College of the College of the College of the theology of the College of the College of the College of the theology of the College of the College of the College of the theology of the College of the College of the College of the theology of the College of the College of the College of the theology of the College of the College of the College of the theology of the College of the College of the College of the theology of the College of the College of the College of the College of the theology of the College of the College of the College of the theology of the College of the them. II. In the State of corrupted Nature, a Man never refifts inward Grace. III. To merit and demerit in the refills inward Grace. 111. To ment and cemert in too prefent State of corrupt Nature, 'its not requifite a Man fhould have that Liberty which excludes Necessity: that which excludes Constraint is sufficient. IV. The Seni-Pelagians admitted the Necessity of inward preventing Pelajasis admitted the Necethry of inward preventing Grace to each Aft in particular, and even to the begin-ning of Faith; but they were Heretics, in regard they aftered that this Grace was fuch, as that the Will of Man might either refill or obey; it. V. It is Soni-Pelajasijin to fay, that Jefus Chrift died, or field his Blood for all to fay, that Jelus Chrift died, or Incd his Blood for all Men in general. Janglemic conflit in maintaining this Doctrice, which is done two ways; (1.) By affering that thefe Propositions are found and orthodox. (2.) In shirm-ing that they are evil and heretical in the Sense wherein the Church has condemned them; but that this Sense is not of Janfenius. Janfenius has been condemned by the Popes Urbas VIII. Innocent X. Alexander VII. and Cle-

TANUARY, the Name of the first Month of the Year, according to the Computation now used in the West. The word is derived from the Latin Januarius, a Name given it by the Ramans, from Janus, one of their Name given it by the Ramans, from Janus, one of their Divinities, no whom they attributed two Paces's because, on the one Side, the first Day of Janusy looked towards the New Year, and on the other towards the Old one. The word Janusius may also be derived from Janus, Gars; in regard this Month being the first, is, as it were, the Gastoof the Year. It was mirroduced into the Year by Noma Pempilius: Ramulas's Year beginning in the Month of March. The Christians heretofore fasted the first Day of Marcis. 'The Chrillians herecofore falfed the first Day of Symmary, by way of Opposition to the Superistion of the Heathens, who, in honour of James, observed this Day with Ferifings, Daherings, Maglouredes, Er. 'JAPAN-EART'H, allo called Curedes, is an Earth of a dark purple Colour. It is very sastere upon the Palate, feems to melt, like the Bole, in the Moath, and leaves Somewhat of a favectist Tallee behind it. It is

leaves (emewhat of a facetifth Tafle behind it. It is timeas for hopping Fuxex of all hinds. JAPANNING, the Art of varnifiling and teswing Fi-gares on Wood, 26°, after the fame manner as the sor facfrom the Coast of Claus. The manner of it is this they also a Fine of Spirit of Wine well dephleg-mand, and four Oances of Gum-Lacec (which laft is fift brothe from the Sitels and Rabbill) and benifing it first book from the Sticks and Rabbish), and braising it coughly an sharen, they put it to their an Stripte some coughly as home, they put it to their an Stripte some limits Calific-Stap, for the figure of volve Hoars. This does, they also call the Tinforms of add the talk in Ital Allam, and referve it asport; then add as much Maffeld and white Amber, willfilled in a Marris, with the Spirit and white Amber, willfilled in a Marris, with the Opin that it don't like to the Glaff; then finin and prefit it carries another Vellet II. Tail does, they take the Wood to be ispanned, and over it with a Layer of this Varnish, till it be fafficearly develocity and the strip of the Varnish, till it be fafficearly develocity the its then sking from of the Colour, of which the Figures are to be, they in of the Custom, or Whitch fire Inquest set to the 1 mely shammad papy is with a Pacella, going over each part three feweral times, each a squeer of an Hour after the other; well times, each a squeer of an Hour after the other; Recedi. As to the Colours said in his Art, for a site Rod, they sake dynamic Vermillian, with a South part of Forest Large. Black, they must be the Marth part of Forest Large. Black, they must be the Villemannian only visice as much Varmillian of Colour The refl ster applied as above discreted, except the Green, which is used. Might Japannier in performed, by applying three or found to the colour fair, then two of pure ceful. Before it be dry, they fif fone Venturine, or Gold Wire, reducted to Nowlet, over it, and then cover it with Glisti's and, halthy, rahir over with Tripoll, Oil of Oilse, or a Martin Fall.

or a Hatter's Felt.

JARR of Oil, is an earthen Vessel containing from 18
to 26 Gallons. A Jary of green Ginger is, about 100
Pounds Weight.

rounds weight.

JASTER, a precious Stone, not much different from
the Agaste, excepting in this, that it is more folf, and one
one take fog ond a Folith. In florm of thefe, Nature has
amusied herfolf, in reprefenting Rivers, Trees, Animals,
Landakips, Ze. as if they were painted. The forid
Jaiper, found in the Tyrerous, is ufaulty fainted with various Colours, the three are form that have but one Comous Colours, tho' there are lome that have but one Co-lour, as Red or Green; but thefe are the leaft valuable. The most beautiful is that bordering on the Colour of Laque, or Parple, next to that the Carnstino; but what is now ufually taken is Green, flooted with Red. Jafper is a Hobrew Word, and has neither been changed by the Lains, nor us. Some Greek Verious give it the Name of

Luist, nor us. Some Greek Verfinns give it the Name of Resyl. Orables calls it Paulsey, in regard of in being from ted like that Animal. He was the second of the that the second of the

in a foint.

JAUNDICE, a Difease, which confils in an overflowing of the Bile. Of this there are three kinds; the first, properly called the Samadee, is owing to the yellow Bile, which, in this Case, is too exalted or too abundant in

the Mais of Blood 3 or perhaps to an Obfravilion of the Glandsof the Liver, which prevents the Gall's being die. If y fearned from the Blood. The feeced, called, the y fearned from the Blood. The feeced, called, the glod with Acids. The ground the fame yellow Blot, min-gled with Acids. The ground the glod of Green, takes it Rife all for man Mixture of Blood of Green, takes it Rife all for man Mixture of Blood of Green, takes it Rife all for man Mixture of Blood of Green, takes we will be the green of the green of the green of the communic in woman Women. In the Jamehor, the White y common in young Women. In the Janidee, the White of the Eye and the 8kin are yellow, and troubled with a nething; in the Black Januare the natural Colour is Ioft, of the Lye and the Sam are yellow, and two block whith a contract of the Lye and the Sam are yellow, and two block with a contract of the Lye and Lye and

bore his Image in State about their Houfes, making Sa-

Citize, a sear transparent Body form'd from form Ex-gor congell de fir'd. Towards the Pales are found with Lines de transparent good to the Body are found with Lines de transparent good to the banded Feer above the Lines de transparent good to the Body are to the search whose Origin there are different Opinious. Some think it's flow, which falling in great Abundano in thefe old Climates, and melting in the See, accumulates gra-tefacture of the Company of the See accumulates gra-tefacture with the search grade of the com-te irest the search grade of the search grade of the the more common Opinion is, that the 'is formed above the more common Opinion is, that the 'is formed above the more common Opinion is, that the 'is formed above the more common opinion is that the 'is formed above to the 'is formed above on the fame Shiple's on with an Account of a French Shiple on one fame Shiple's on the 'is the '

with an Account of a French Author on the fame Subject. See Freezing and Cold.

ICH-DIEN, the Motto under the Arms of the Prince of Wales, which Sir H. Spedams judges to be in Stear It.

Thien, the Stear D, with a transverte Stroke, being the fame with TR, and fightlying, I ferry, or am a Servans; as the Sasser Kings Minister were called Them.

Saran Kinga Ministra were called Them.

IGINIOGARAPIT in Perfective, is the View of any
thing cut off by a Plane parallel so the Horizon, just ar
thing cut off by a Plane parallel so the Horizon,
in the Geometrical Plane, or Platsfram of in Edifice, to the
Ground Plane of an House of Bailding deliberated upon Paper, deschingle the Form of the forest A parameter

of the Common of the Common of the Georgian Springer

the Work of the Matter Architect or Surveys is properly

the Work of the Matter Architect or Surveys is properly

the Work of the Matter Architect of Surveys is

on June 1997, and the Common of the Common of the

time it is, in lite manner, the Plan or Repreferantion of the

unital surveys of the Common of the Common of the Common of the

unital surveys of the Common of the Co

the Length and Breadth of a Forrerfs, the diffinel Parts of which are marked one, either on the Ground irfelf, or up-or Faper. The wood in derived from the Grock Jacks, Pri-tegs or Traces of Work. See "Price Greption of the Fost-tiespo or Traces of Work. See "Price Greption of the Fost-iespo or Traces of Work. See "Price Greption of the Fost-ICHOGLANS, the Grand Signiors" Pages, or white Emmcha ferring in the Serapho. They are the Children of Chritians, and we bred up in an Antierity fearedly to be expected. Their the Salam perciens ro Offices more be conceived. These the Saltan preiers no Offices more relationshipmelle, as they appear more or lest dedword to his Service; but far to be observed, they are inexpanded to the service of the service o They are principally convertant in the Oda, or Halls, where, according to their feveral Talents or Inclinations, where, seconding to their fermi Tralears or Inchination, where you influsion in the Languages, in their Religion, or in Xeerifice of the Body. The word, seconding to exclude the Company of the Company

fignifies Sanies, Rottenness.

CHITILTOPHAGI, Filhesten, the himse giren to a staffen for any thing beliefs itself to perceive Objects 4 fronts, or mise in terms addressed to the control of the control indeed, that they had Sattle, but that they made no use of them excepting to feed their Fifthe swith. I hey made their Hongs of large Fifth Bones, the Ribs of Whales ferring them for their Betms. The Jaws of these Ani-mals ferved them for Doors, and the Mortars wherein they pounded their Fifth, and baked it at the Sim, were nothing elle but their Fernbox. The word is derived

nothing eile but their Fertelve. The word is derived from the Greek, jezzle, Fijlis, Fijlis, and sajaust, eds. I cat. ICONOCLASTES, a Breaker of Images; a Name which the Church of Rowe attributes to all who reject the Ule of Images in religious Marters; in which Sende, not Ole of images in religious Matters; in which Senie, not only the Reformed, but slife the Engliern Churches are called Loweslafter, and efteem'd by them Heretics, as opposing the Worfnip of the Images of God and the Saints, and breaking their Figures and Reprefentations in Churches. The word is formed from the Greek, sixir, Imago, Image,

ICONOGRAPHIA, Description of Images, or of anitem Statues of Marbles and pper, of Built and Semi-built, of Penates, Paintings in Frelco, Mofaic Works, and antient Pieces of Mignature. The word is derived

baffs, of Penatos, Paintings in Fretco, Motace Worsts, and antient Frecce of Mignature. The word is derived from sizels, losses, and yejess, feelbs. (ICONCLATER, one who worthing Images, a Name which the lesses-frie give to these of the Ramijle Community, on account of their adening Images, and of rendermost from the Growth of their adening Images, and of rendermost from the Growth first and Adjust, oth.

ICONOLOGIA, Interpretation of various antient Images, Monuments, and Emblems, from the Greek sixty, and sign, I fpeak.



ICOSIHEDRON Golid, which confifts of twenty triangular Py-ramids, whose Vertice meet in the Center of a Sphere, that is imato circumferibe

it, and therefore have their Height and Bafes equal; wherefore the Solidity of one of those Pyramids, multiplied by twenty, the Num-ber of Bafes, gives the folid Content of the Institutional This Figure being drawn on Tatleboard, our half through, and then folded up neatly together, will represent

ICTERIC, a Term in Physic, apply'd to fuch Perfons as have the Jaundice, which the Latini call Illerin, Auryo, or Morbes Region. Berie Medicines are fuch as are pre-

or Medius Regus. Werie Medicines are fach as are pre-ferribed in Gates of the Januther. The World is derrived from the Greek ferry Gr, which forme clorive further from inter, a kind of Westell with yellow Fig. 19, the State I CHTHOCOLLA, Jiffreight: Solvader fays, that this is made from a Fish, which is common in the Dansley she Fish having no Bence bur about the Head. After it is cut in finall prece, they bell in in Wester to a thick Jeffly, which is freezal showed and drively, then solidon up, and one of the State of the State of the State of the State of a server solvinous Challity, and configure-vist words in of a very glutinous Quality, and confequently good in all Diforders, which arile from too thin and flarp a State of the Fluids. The Word is derived from the Greek ix60s,

ef he Fluids. The Word is derwed from the Greek igels, 27(in; Fahr, and akson, Gener, Gluen. that immediate Objell of the Illiad abase which we are employed where we perceive or thinks: 'Thus, when we look at the Sun, we do not fee that Laminary in felf, but its Image or Appear, which we have the contract of the Illiad abase which we are made of Appear and the Illiad abase of the Ill rendered intelligible by the active Intellect, and are as length received ngth received by the passive. Others are of opinion at our Souls have of themselves the power of producing lifes of Things that we would think upon 3 and that they are excited to produce them by the Impreffions which Objects make on the Body, tho these Impressions are not Objects make on the Body, the thele impredients are not lunges in any reliped like the Objects that occasioned them. And in this, fay they, it is, that Man is made after the Image of God, and that he partakes of his Power's for as God made all things out of nothing, and can re-duce 'em to nothing when he pleafer, for Man cancrate as many 162s as he pleafes, and annihilate them when he has done. Others maintain, that the Mind has no oc-

fections to which they correspond; and that as he is inti-mately united to our Souls by his Presence, our Mind sees and perceives things in Him which reprefent created Beings; and that it is thus we come by all our laws. He adds, that the we fee all fensible and material things in sup; and that it is that we come by all our rices. He adds, that those the call finalities and material things in God, yet that we have not one declaration in him. When God, yet that we have not one declaration in him. When God, yet that we have no control to the God, and it is God who coaffer it God, who can be comediated by the God, and it is a flow. The Sentition is a Medification of the Soul, and it is God who coaffer it God, and it is not made to the God, and it is not form the God, and it is not form, the God, and it is not form, the God, and it is not form, it is not the God, and it is not form, it is not the God, and it is not form, it is not the God, and it is not form, it is not the God, and it is not form, it is not the God, and it is not form, it is not to the God, and it is not god, which are the Objects of his Reflexion. 'Tis plain there which are the Objects of his Reflexion. The plain there-fore there is to assume Iddes to general Turth, or fair from the Objects of the Objects of the Objects of the Turnelphe Objects of the Objects of the Objects of the Turnelphe Objects of the Objects of the Objects of the Turnelphe Objects of the Objects of the Objects of the Caught of the Objects of the Objects of the Objects of the the Objects of the Objects of the Objects of the Objects of the Objects, it comes by the Iddes of Distre, force, yellow, about 100 per hard, Sc. which we call Senfation; and when employed about its own Operations, perceiving and reflecting on them, as employed about the librar before got by Senfation, we get the librar of Perception, Thinking, Doubting, Willing, Efc. which we call inward Senfation, or Reflection; And thefer we. Willing, tife, which we call leaved Scaffeins or No. Beckers and their two, we accurate material lings as the Cojects of Scaffein, and the Operations of our own where all our little the conflict of the confidence of the confiden chale whether it will have thele arts Beginnings or nu-terials of Knowledge, or not. For the Objects of Som-terials of Knowledge, or not. For the Objects of Som-will obtrude their Ideas upon the Mind, and the Opera-tions of the Mind will not let us be without form (how-ever obfeare) Notico of them.

The fame excellent Author diffinguishes Ideas into two kinds, viz. Simple and Complex. Of the former kind are all those latest which come into the Mind by two bands, was sample and compress. Or the Samuel Sections and though the Qualities of 10th Mind System (1997) and the Section of the Section nicet to dilitagatifs between them as they are lifest or facts as equal, mere, higger, fereterer. Another excellent projects in our Minds, and as they are Modifications of the Boldes these cased field Preceptions in us it hat we make the search of the Boldes the seate field Preceptions in us it hat we little the seate of the Cropping things pageties, it enough to the Carriers of the Boldes the seate of the Cropping dailing the seate of the Cropping dailing the seate of the Cropping of the Boldes of the Boldes of the Seate of the Cropping of the Boldes of the Boldes of the Seate of the Cropping of the Boldes of fenic Refemblances of them, and their Fatterns do really exili in the Bodies themfelves but the Meta produced in us by those fee and any Qualities have no Refemblance of them at all. There is nothing like our teless existing in the Bodies themfelves that occasion them. They are in the Bodies themselves that occation them. They are in the Bodies we denominate from them, only a Power to produce those Sensations in us; and what is (weet, warm, blue, 5% in the slots, is no more than the Bulk, Figure and Morison of the Particles of the Bodies themselves that we

call 6.

The Mind both feveral Faculties of managing their The Mind both feveral Faculties of managing their differential pittly and difficulties rightly between one and americar is into conflict the causers of Judgment of the Company of Execut, Diggree, firms, Place, or any other Greens-Bances of Relations on Dependance one another, The Manager of Relation of Dependance one another, as The Manager of Relation of Dependance one another, as the Manager of Pacific Company of the Comp isolately, they make us of Woods to fightly their lates to others. Hence, the Us of Words beign triand as out to others. Hence, the Us of Words beign triand as out to others. Hence, the Us of Words beign triand as out from particular things a particular three fixed to it, Names in, Boald have a particular Name fixed to it, Names in, Boald have a particular Name fixed to it, Names the Late of the Lat atways the first and chief. Relations are a kind or complex discs, arting from the Condideration of Comparison of one idea with another. Of these, some only depend on the Equality or Excess of the fame simple idea in several Sub-jects, and these may be called proportional Relations,

As to must Relation, they are his Case Bincounty Acceptance of the property of Reality lug in the flexily Correfeordence chey have with which Conditions to Codic or Ferrisms, in whether with their Conditions to Codic or Ferrisms, in which with their Conditions to Codic or Ferrisms, in which with their conditions to Codic or Ferrisms, in which with their conditions of their code of their

falle, because in fact ha Reference, the Mind makes a sta-cit Supposition of interfect Confermity to that things which Supposition, as it is true or falle, fo the latest themselves come to be chosmosted. Real latest are either selectant or inadequate. These are adequate which perfeitly re-perfects the latest hospitally within the Mind supposits, then taken from, and which it makes them fund for . Inade-quate are fact has down partially or incomplexity re-perfect that the latest partial representations of the con-putation of the supposition of the supposition of the perfect that the Architypes on which they are referred. See perfect that, They're, Xion, Kowaldey, Afficiants IDENTITATE NOMINIS, is a Writ that lies for him

who upon a Capies or Exigent is taken and committed to
Prifon for another Man of the fame Name.

Bbbbb

of Matters 4 this beling only the Cohesimo of Particles any time of Partic, as if it is receive and distinuous Normalismos (Particle and Particle and Particle and Particle and Particle of Particle and Laif De communication on new Particles of Particle and Laif De communication on new Particle of Particle and Laif De Communication on New Particle of Particle and Laif De Lower Development of Particle and Particle a

tion of Mas, is but of a particular for of Animal. Per-for flands for an intelligent Reing, that reafors, and re-flects, and can consider itself the fame thing in different that is infequently from Timber 1997. The thing is the tast is infequently from Timber 1997, but the terror can in-to himself, what he calls Self, without conducting, whe-ther that Self be continued in the fame or divertic Sub-tinues. In this condital Perforal Identity, or the Samener's of a External Perfora Identity, and for fare as this Confederation of the or a External Perfora and for are this Confederation of the property of the control of the control of the conof a Rational Being, and for as this Conficientier te-tends backward to any path Addison, of Thought, for fire trackes the Identity of the Terface, it is the Gil-Limm rows, it was steen a And it in by the Enne Gell, with this consequence of the Conficient Configuration of the Configura-dance. Self is that conficient Thinking Thine, whatever Subblance, threater now, which is conficient for the man and Jain, capable of Happineline or Milerys and fois con-cernation of the Configuration of the Configuration of the Tax with which the Configuration of this preferral Think-con Self with its act of artifactor to dieff, and owns all con-cess Self with its act of artifactor to dieff, and owns all con-

one Self with it 5 and fo attributes to itfelf, and owns all

the Actions of that thing, as its own, as far as that Con-feisafue's reacheth. This Personal Identity is the Object of Reward and Punishment, bome that by which every one is concerned for bimself. If the Contioniness were one is encerned by hanteld. If the Condomited water ellow with the little Paper, when that was cer off, in would be the farme Solf, that was just before concern! of for the whole Dody. If the fame Source, waining, and for the whole Dody. If the fame Source, waining and would not be the fame Parsino, Source waking could me be be in pitities exceemable for what, sowerst releving deal on nomer than one Twin, for what his Freeder? was did, because the source of fame. Parts of my Life, beyond a possibility of Far-triving them, to hant Hall laceve the conclision of them agains and not again the fame Parsin plant. We must have the source of the here take notice what the word I is applied to, which in this Cafe is the Man only: And the fame Man being pre-turned to be the fame Perfon, I is caffy here fuppoded to fland also for the fame Perfon. But if it be possible for thad all for the fame Verfee. But if it be profible for the fame Man, no have dilitable incommunicable Con-ficient and different times, the spatial dealer the fame Man would at different times in the different Perfects Man would at different times in the different Perfects Man would at different times in the different Perfects in the Man would be different times the state of the different perfect of the different times the state of the different form to Perfects. Thus we far just profit of Manifert in infantance, that Self is changed, and the fell-firm Per-fect in no longer in that Man. But is not a Man, drawle to folker, the finer Perfect. Why elfs is be quantified for the terrupic coefficies of it. I just as more than fame to same Part he commiss when dronk, the he be never at-terwards conflictors of it? Jult as much the fame Perfon, as a Man that walks, and does other things in his Sleep, is the fame Perfon, and it as antiverable for any bilicheit he fhall do init. Homan Laws ponish both with a Justice foitable to their way of Knowledge: Becaufe, in these Cases, they cannot diffinguish ceranily, what is real, and what is counterfeit; and so the Ignorance in Drunkenners or Sleep is not admitted as a Plea. For the Ponishment be annexed to Personality, and Personality to Consciousbe annicated to Perfondiny, and Perfondiny to Confisul-cial, and the Dunalacti in not confision perforage of was read, and the Dunalacti in not confision per and the case the Fast is proved against fain, but seam of Con-ficientific amost be proved for him. But in the great Day, wherein the Sécrets of all Hearts field be laid open, it may be estionable to this in one failal be receive his Doem, his own Canfelecce according, or elfo-exceipe his Doem, his own Canfelecce according, or elfo-cessing him. To conclude, Whatever Subhtane begin to exiti, it mail, during its Existence, be the fame a Waterver Campristic of Subhtanes begin to exit, it sing the Unian of those Subliances, the Concrete must be the fame. What force Plade begins no exist, during in Existence it is the fame. And for if the Composition be of ultimade bushinesses, and officers Robert, the fame and of the Composition be of ultimade bushinesses, and officers Robert, the Composition of the ring the Union of those Subtlances, the Concrete must be

Perfor who has so public Office. A mong the Lum's is in used for litterious, heaviers in all on an Implife Law, for used the litterious and litter

Beams of the Sun; then gave the Name of None, or None Lune, to the Day of the first appearing of the New Moon; Lune, to the Day of the first appearing of the New 11,000 y and this, fay they, took the Name when the was full, and appeared in her Beauty, from the Greek word 2/D, that is, Beauty. From thence they draw an Argument for the Inequality of the Days of the Noves; for asi fallows by the Composition of the Motions of the San and the Moon, that the Moon comes out of the Beams of the Sun, fome times fooner, and fometimes later, and that this Diverfity is times fooner, and tometimes later, and max miscroscary as commenty included in the fines of two Days; it is like-by, they fay, that in the time that Romeles infiltrend his Callendar, the Moon was kept a longer rime ful under the Bearns of the Sun, in the Month of March, May, Su-lay, and Orders: wherefore he allowed feven Days to the Novers in those four Months, and five Days only to the o-Nose in mole tour referring the may be, the Moon got off from these Beams, and appeared sooner. Others draw the word Idus from Idelium, which was the Name of the Victim offered to Jupiter, the Day of the Mer, that was confectated to him. Some derive it from the Tupican word Int., which fignifies, amongst that Nation, the fame as loss among the Romans. They allowed eight Days for the loss: Thus the eighth Day of the Month, in those four who their That the eighth Day of the Meath, in those fear Mounts, and the fixth, in the other eight, were accounted the eighth of the  $Lix_1$ , and is on, always decreasing to the eighth of the  $Lix_2$  and is on, always decreasing to the  $Lix_2$  and  $Lix_3$  and  $Lix_4$  and  $Lix_4$ 

the min or suppression connectated to Dubba, and were ob-ferred as a Feaf-Day by the Slaves. On the Mes of Sp-tember Auguries were taken for appointing the Magilitzues, who formerly enerced into their Offices on the Idee of May, afterwards on thefe of March. See Refines, and others, who have written of the Reman Antiquities.

IDIOM, Dialed, the Language of fome particular Province, differing, in fome reflocts, from the Language of the Nation in general, whence it is derived. The word comes from the Greek, Mapas, Propriety, of Mo. pra-

For, 161, and 162 are Indiffusion proper to four particular Member, or Part of the Body, see caused to DiDOPATHY, a Diffusion proper to four particular Member, or Part of the Body, see caused to any thing to do with the crited time flowly. It is appealed to Symmethy, which happens when the Indiffusion takes in Kiki forms. Diffusion in fines on the Part of the Body, in the Kiki forms. Diffusion in fines of Part of the Body, called the Part of the Body, and the Part of the Body, and the Part of the Body and the Part of Affection

fine, different.

DIOSYNCRASY, in Physic, is a Temperament peculiar to some Body, in consequence whereof, whether in selkache or in Realth, it has a more than ordinary Aver-fion or Inclination to certain things, or is more affected with them, than others similarly are. The word is derived from the Greek, InGr. proper, or, with, and zerm, Crafis,

Mixture, Temperament.

IDIOTA Inquirends wel Examinanda, is a Writ iffued out to the Efcheator or Sheriff of any County, where the King has notice that there is an Idoot naturally born, to weak of Underdinating, that be cannot govern or manage his labe-vizance, directing him to call before him the Party fuf-pected, and examine him; for the King has the Protection of his Subjects, and by his Prerogative the Government of the Lands and Subfance of fuch as are naturally de-of the Lands and Subfance of fuch as are naturally defective in their own Diferetion.

of the Lands and Sublitance of luch as are naturally de-IDIOTISM, in Camman, is an Inflexion of foor Parti-Ville, a particular Goaffunction of forme Partie or Parti-Ville, a particular Goaffunction of forme Partie or Parti-Rate of the control of the Camman of the State of the Camman Rate of the Camman, or the Nation in the Goaffunction of site in forme particular Province of it. Several Authors have written of the Janison's in the Gores and Lates Lands have written of the Janison's in the Gores and Lates Landships which vary the mod from cach other, and from the more popular smooth to modern Tongotes' Is the Examples Maniya, in this Seefie, carrow properly be called as Irregul-lating, the world actived from the Greek 1,679, proper, John States of Innage of Home Giffe God, to whom and Sterifformuch C. Thas the Coffigur at Robot was at 1 1361 of the Sun, the Pataloss and Island of Morrow, &c.

IDOLATRY, the Worthip and Adoration of false Gods, or the giving those Honours to Creatures, or the

Works of Man's Hand, which are only due to God. Se veral Authors have written of the Origin and Caufes of weral Authors have written of the Origin and Cautes of Cholarry, and among the reit Pojan, Seizer, Gadwan, and Tennigm j but 'thilli a Doubt who was the first Author of it. The generally allowed, however, that is had not it Beginning till after the Deluge, and many are of Opi-nion tatte fields, who is furposed to be the fame with Nis-red, was the first Man that was defined. But whether they had not paid Divine Honours to the Heavenly Bodies before that time, cannot be determined, our Acquaint with tudie retioner Times being extremely Berder. All think can be India Mr. Greviney, it, Thus 4 are Years site the Delings, when God lead Thou and his Family our of the Delings, when God lead Thou and his Family our of the Delings, when the Family our of the Countries, the Green Perhipsions and Egy, it is dec. asset to the Countries, the Green retend that 2 decisions himfelf year countries, the Green retend that 2 decisions himfelf year that the Countries, the Green retend that 2 decisions himfelf year that the Countries, the Green retend that 2 decisions himfelf year that the Countries, the Countries of the with those remote Times being extremely flender. All saken the folist of the Tailors of the Control and the control and the process of the Pailors of the Control and the Pailors of the Control and the Pailors of the Control and Tailor of the Pailor of the Control and Tailor of t

(17) The Affection sed Gratinade base by the People's or certain of intel' Cesus Monta all Readsisters. (18) The certain of intel' Cesus Monta all Readsisters. (18) The Great Advantage, which is composed of Jiefe, Joseph Montage, Joseph American, Joseph American, Joseph Green, constaining the Deferment or Narration of fone agreeable Advantages. The Association is the chelch Anther who has switzen to the Association of the Computer of the Association of the Computer of the Association of the Computer of the Association of

this Poetry counts in a lively natural Image, or Repre-fentation of Things.

JEAT, fornesimes called Elack Amber, is a Mineral, or a fedile Stone, extremely black, formed of a lapidific are bituminous fusion in the Earth, in the manner of Coal: It works like Amber, and has most of its Quali-Codi i twork like Amber, and has mode of its Qualticies. I rakboards in Dapshows, but the left in the World in the Coding of the

attacked and threatned with Convultions,

TECUR.

JECUR. See Liver.

JECUR UTERINUM: The Placenta is by fome thus called, from the supposed Similitude of its Office with that of the Liver.

See Intelligent.

that of the Liver.

ELUNUM. See langinest

El the Jury was charged: But this occasioning great De-lays in State, for the Recleric theoret feveral Summes were made, we 12 M. VIII. a 50. by which it was seen made, we 12 M. VIII. a 50. by which it was the seen of the seen of the seen and the seen and thing, the street was the true to the seen as coording to the Versite of the Jury. Other Statutes have allo been made relating to the fame thing, in the time of the seen and Quence Educated, and yet the Fault little mended.

little mended.

S. J.EROM, the Name of four feveral Orders of Religious, who are fornetimes also called *Tecosymuna*. The ligious, who are fornetimes also called *Tecosymuna*. The Order of the Conference of the give them the Continuous of the Convex of the Mary of the Copylors, with the Note of St. Angyliner, and the Huller of St. Angyliner, and the Huller of St. Angyliner, and the Huller, and Market, all of their nancel Colora, with our Dying, and of a mean Price. The freezymetre are in politicition of the Convext of St. Annexes, in the Efficient of the Convext of St. Annexes, in the Efficient of the Convext of St. Angeliner, and the Angeliner of St. Angeliner, and the A put them under the Juridiktion of the Terreprosites, and agare them the Conditionions of the Monaftery 105. Marzh. of Corobos, which were afterwards changed by Lee X. for those of the Order of St. Teres. The facead Order of St. Teres is that of Loubstrop, called 3. Teros of the Observator, founded by Long d'Obsecti in 1434. In the Mountains of Consells, in the Diocels of Series. The third Order tains of Gamila, in the Diecch of Seral. The third Order of Genegative stars doubted by Peter Gaminaria shoust the Year 1517, but the Vosa teley made were only family till 1568, when Pars V. appointed from to be follows. They have Houfesin Tirof, hardy and housins. The fourth Congeguino of Persymber, are the Hermites of St. Te-raw of Piesell, began in 1560, when Gainet set Montequation of Gamila and Conference of the Country of the Name, revising into Sollinesh, faril ethiballited it in Pieses. It was approved to the Country of the Country of Terms. It was a properly of the Country of Terms. proved by Innscent VII. under the Rule and Conditations of 8t. Terms. But Engouse, in 1444 changed it for that of 8t. Angilin. As the Founder was of the third Order of 8t. Angilin. As the Founder was of the third Order of 8t. Innscent, they preferred that Habit is but in 1460, and Drillon among them. This Order was finally fupurefield by Clowert XI. in 1668.

I Still La Sach, Geren-Hessel, is the Name, which the

Perfiant give to the Twks, because their Emirs wear a

JESSANT, a Term in Heraldry, ufed when, in a Coat of Arms, a Lion or other Beath is borne over fome Ordi-nary; a sover a Chief, a Bend, a Feffe, &c. that Lion or

may; a overa Chief, a Bend, a Felfe, Se. that Lion or Earli is blasmost Gigent, or Zusert, a kita juling over all. JESUATES, an Oxier of Religious, otherwise Called Jopitical Clork. They were founded by Jille Calainsi, be-depicted to the property of the property of the polyment of the property of the property of the he hindiff gave, to fach as were prefers, the Halpi to years to wear. They followed the Rule of Se. A-gijines, and were maked by Jille V. among the Orders of Mendients. They were called Tyllessy, because fuel-field they were the property of the property of the first Ponders had the Nameo I Jeliu continually in their Monta. For two Centrals the Splants were mere Sec. Moedis. For two Centuries the Junate were mere Secu-lars is but in 160-6, Paul V, gave them leave to cancer in-to Holy Orders. In most of their Hoofes they were en-tropic to the security of public folliation their Superficien, and chained for Lorent EX. their Edited being employed towards fup. IESUTES, and Order of Reliations founds.

porting the Expediction was in Camana.

JESUITS, an Order of Religious, founded by Ignatis;
Loysia, who are also called the Company of Telas. This
Order has rendered itself very considerable by its Missions Order has rendered their very confidence by its binings into the Indee, and by its other Employments relating to the Study of the Sciences, and the Education of Youth. The Connell of Trens calls them, Clerks Regulars of the Company of Jefus. It was in the Year 1538, that Ignation

having affembled ten of his Companious at Rome, chosen notify our of the University of Farts, proposed to them motify our of the University of Farts, proposed to them to make a new Order. After this he preferred the Plan of his Inditation to Pand III. who appointed three Commifficances to examine it; a pop whole Report, the Pontificantial Confirmed the Inditation, under the Name of The Composition of the Co ny of Jefus, by a Bull in 1540. By this Bull, their Numayof Déja, by a Bull in 1520. By this Bull, their Nim-ber was relitanced to Esky, petra Rai efficiélou was telen away, two o Cast a strevanta, by another Bull. The Order has inco been confirmed by feveral feaceting Pope, who have added many new Rights and Privileges to it. The End principally proposed by this Order; in we gain the Cast of the different temperature of the Cast of the Cast of the with amazing lander; and Adderty for the interferent with amazing lander; and many the Cast of the with a mazing lander; in mineral that they will not a farmount, no Danger fo immineral that they will not not farmount, no Danger fo imminent that they will not un-dergo, no Crimes to shocking that they will not perpefurmount, no Danger fo immissen that they will not respect, on Crime for the field gath and they will not respect to the companion of the comp the Order; the General having it in his power to difpense with them

The Order is divided into Affidances, the Affidances into Provinces, and the Provinces into Houfes. It is governed by a General, who is perpetual and abfolute. He refidies at Rese, and is elected by a General Congregation of the Order. He has with him, five Perfons, who verned by a C-nexts, who is perpenal and anotome. Me there is a constraint of the Cheff of the C

Each Province has four kinds of Houses, viz. projested Each Province has four kines of Accounting to them Houses, which can have no Lands belonging to them Hoofes, which can have most and Houtes, was profeted Montley, which can have most and Houtes, was profeted Colleges, where the Sciences are supply: Ref. direct water are a Number of Workmen employed in field Official Millions, which was a supply of the Colleges, and other called Seminarias. Thefa has need the Colleges, and other called Seminarias. Thefa has need to supply colleges, and other called Seminarias. Thefa has need to supply of the Colleges and the Colleges through the Colleges and the Colleges and the Colleges of the Colleges and the Colleges of the Colleges, and the Colleges and the Colleges of the Colleges and the Colleges of the Colleges of the Colleges, by what he had othered in the Sorbone, while the builded at Paint. The Elevitors of this Other while he builded as Paint. The Elevitors of this Other while he builded as Paint. The Elevitors of this Other while he builded as Paint. The Elevitors of this Other while he builded as Paint. The Elevitors of this Other the Colleges, by what he had othered in the Sorbone, while he builded as Paint. The Elevitors of this Other while he builded as Paint. The Elevitors of this Other called the Colleges and cannot receive any, unflet credital theorete by the Pope under pain of Sorbon. This he Pope Large and Cannot receive any, unflet credital theorete by the Pope under pain of Sorbon. This he Pope Large and the Colleges are also and the Colleges are also and the Colleges are also as a college and the Colleges and the Colleges are also as a college of the Colleges and the Colleges are also as a college and the Colleges are a colleges and the Colleges are also as a college and the Colleges are also as a college and the Colleges are also as a college and the Colleges are a colleges and the Colleges are also as a college are also as a college

Cardinals of their Order.

JET D' FALD, a Froeth Word figuifying a Foomising that exist up Water to any condetenable Heights in the Alar. Mr. Marwater thai, Trant a Jed'an will never rife fooling he air Referencey, but always fills filter of it by a Sance, which is in a folked-letter Falor of that Heights and this he proves by feveral Experimenses. He fifth slie, Translation of the Heights and this he proves by feveral Experimenses. He fifth slie, Translation of the Cardinal Research Consideration in many finaller once, or Height and the Consideration in many finaller concern. On the Cardinal Research Consideration in many finaller concern.

the Expences of its Branches; and particularly, That if the Refervatory be 52 Foot high, and the Adjutage half an luch in Diameter, the Pipe ought to be three Inches in

an Inch in Diameter, two tripe engots to be three stresses in Diameter. See Sunstain, Waters, See. [ETSON. See Floilen.]
[EWELOFFICE. An Offsee that takes care of fathioning and weighing the King's Place, and delivering it out by fach Warranus, as they receive from the Lord Chamberlain. When his Majelity makes any Preferr of Plates. berlam. When his magelly makes any Freient of rates, \$\varphi\$e, they have the Charge of providing it, with form other things lefs material. The principal Officer is the Mafter of the Lewel-Office, whole Salary is 430.1 per ann. and befides, the Xeoman and Groom, at 1061.132. per ann. each, and a Clerk at 13 l. 6 s. 8 d. which are in the King's Gift. Befides, there are in this Office, in the sue nong #AUIL. Beddee, there are in this Office, in the Offi of the Dord Chamberlain, the Pect-Laurest, at 100.L per ann. Salary: the King's Hilderingrapher, at 200.L per ann. the Hilder Richer, and Pinicipal Painter, at 200 L per ann. the Hainter in Enamel, and the Surveyor and Keeper of the Fidures at 200 L per ann. The Gold-fmith and Jeweller are employd by the Matter, and are utually in this Gift.

JEWS-EAR; a kind of Fungus, Mushroom, or span-y Subilance, that grows about the Root of the Eldergy Subflance, that grows about the Root of the River-Tree. It is chiefly used in Decoction, which is found Detergent and Vulnetary, and a good Gargle in fore

TEZIDE, or Jesidess, a Term ufed among the Maho-means to figuily an Herctic. Leuselseins tells us, that the Name is derived from an Emir call'd Jeside, who kill'd the two Sons of Al., Hafan and Haffer, two Ne-phews of Mahamet on their Mother's fide, and perfectued the Pollerity of the Prophet. The Agarement, whuse Emir or Prince he was, look'd on him as an Impious and Heretical Person; and hence took occasion to call all whom they accounted Heretics, Jewideans. Some Authors whom they accounted Heretics, Jessideans. Some Authors mention the Jessides as a particular People, freaking a Language different both from the Torkis and Peofian, that there are two kinds of Jessides; the one Black, the that there are two kinds of Jesidet; the one Black, the other White. The White bave no Shi in the Bosom of their Shirt; but barely an Opening for the Head to pass thre'; a thing that they observe with a great deal of Rrichnels, in memory of a Circle of Gold and Light which fell from Heaven upon the Neck of their Grand Scheik or Chief of their Sect. The Black Jezides are Fakirs, or Religious. The Tooks and Jepistes bear a Fakirs, or Keligune. The Tayls and Jessées belar a freeg averfion to each other; and the greatefl Affrent one can pur on a Tayls, is to call him Jessée. On the constant, the freeze of an Alliance with the Chrilises against the Masilamen. They drink Wine cevu no Excels when they can get in and cast Swinc's Flefth. They never undergo Circumstion, excepting when they are forced to it by the Tack. Their Ignorance is furprising 3 they have no Books. Indeed they percent to believe in the Gofgel, and in the Sacrel Books of the Jews, but go without ever reading either one or other Off. The Time May Vows, and go in Fligrings; but have no Modewa, Temples, nor Ormotive Control of the Con This confilling in loging Hymns to Jefus Chriff, the Vir-gin, Mofes, and Mosewer. When they pray, they look to-wards the Eaft, in initiation of the Chriffians; whereas the Muffuluren turn towards the South. They believe the Minitulities turn towards the open into favour again the Devil may possibly, one day, come into favour again with God; and that he is the Executor of God's Julice in the other World: for which reason they make it a Point of Confcience net Point of Confeience net to fpeak ill of him, left he fhould revenge himfelf of 'em. The Black flease's are reputed Saints, and 'tis forbidden to weep at their Death; inflead whereof, they make Re-

The Black Joseph Free Fellent Shatin, and its obthidden in the black Joseph Free Fellent Shatin, and its obthidden joickings and yet for the generality beys are no mere than Shepbetta, They are not allow? to kill the Animals Shepbetta, They are not allow? to kill the Animals Shepbetta, They are not allow? to kill the Animals Shepbetta, They are not allowed to kill the Control Shepper She

IGNIS FATUUS. See Jack with a Lamborn.

IGNITION, in Chymiftry, fignifics the Application of Fire to Metals, till fuch time as they become red-her, without melting: which happens in Gold and Silver, but effectively in Iron. Lead and Tin are too foft and fuffible

'GNORAMUS is a Word used by the Grand Inquest, impannel'd in the Inquisition of Causes Criminal, and Pub-lick, and written upon the Bill, when they dillike their lick, and written upon the Bill, when they dittike their Evidence, as defective or too week to make good the Prefernment. The Effect of which is, that all farther Enquiry upon that Party for that Fault is thereby floor, and he deliver d without farther Anfave.

and he deliver a winous tarther Antwer.

IGNORANCE, or Want of Knowledge, is chiefly owing to
thefe three Caufes j First, Wan tof Ideas; secondly, Want
of a diffeoverable Councefron between the Ideas we have
Thirdly, Want of tracing and examining our Ideas. First,
There are, found whites we are impract of for wors. There are some things we are ignorant of for want of Ideas. All the simple Ideas we have, are confined to the There are tome things we are ignorant or nor want or Otherwise of an 20 kg, when they confined no the Otherwise of an 20 kg, when they confined no the Otherwise of an 20 kg, when they confide the State of the Stat Eyes, or our Thoughts of either of them, is but a Point, Eyes, or car Thoughts of cither of them, is but a Point, aimed anothing in companion of the refl. Again, the Wire of Ideas, which we yet feem capable of, is another grear Obliscle in our way, and keeps sin Ingenerace of things, we conceive capable of being known. Bulk, Figure and Micrian one have Ideas of yet not knowing what is the particular field, Motter, and Figure of the results from the Point of the Christian Control of the Control ration, whereby the Effects we usus to a light too re-These are hid from as in some things, by being too re-inches by heing too minate. When we consider Thefe are hid from as in fome things, by being two re-mons, in other by being two minner. When we consider the wall Extret of the known and vitible Parts of the widths our Ken, in but a final Part of the widths our Ken, in but a final Part of the verfes we final then differed an long dayling of gre-roner: What are the pericular Fabrick of the gre-roner: What are the pericular Fabrick of the gre-moner: What are the pericular Fabrick of the gra-lating of Matter, which make up the whole flupendoes and what is their Medica, and how congruence accessed, and what is their Medica, and how congruence accessed, France of Corporcal Beings, how har they are extended, and what is their Motion, and how continued, and who are influence they have upon one another, are Coremplations, that are firel glimpfor our Thoughts lofe themselves in. If we confine our Thoughts to this little Canron, this in. If we comme our I boughts to this little Canton, this Syltem of our Sun, and the groffer Madies of Matter, that visibly move about it is what feveral-fores of Vegorables, Asimain, and Intellectual Corpercate Eeings, infinitely different from these of our little Spot of Earth, many probably be in other Planten, to the knowledge of which, even of their ouward Figures and Parts, we can shall be considered to the State of their control of of their c no way attain, whilif we are confined to this Larth, here being no natural Means, cither by Senlation or Reflexion to convey their certain Ideas into our Minds? There are other Bodies in the Universe no lefs concealed from us by their Minuteness. These infendible Corpuscles being the ther Minutenets. Their microbile Corputeles being the active Parss of Matter, and great laftraments of Nature, on which depend all their fectordary Qualities and Opera-tions, our Want of precise diffined Ideas of their primary Qualities keeps us in incurable Ignorance of what we de-fine to know about them.

Did we know the mechanical Affections of Rhubarb Did we know the mechanical Affections of Rhubards or Opium, we might as cafily account for their Opera-tions of purging and cauting Sicep, as a Watchmarker can for the Motions of his Watch. The difforting of Silver in Apra Ferir, or Gold in Apra Regin, and not ofce verifs, in dyna Feria, or Gold in Ayan Revia, and not vice serigl, would be then perhaps no more difficult to know, than it is to a Smith, to underlikad, why the turning of one Key with the series of the se we make, are able to reach : but whether they will fuccced again another time, we cannot be certain. This hinders our certain Knowledge of univerfal Truths concerning natural Bodies; and our Reafon carries us herein

Cecee

very little beyond pericular Matter of Faß 2 and therefore it is Mantere O Doubt, that how fix forere human for its distribution of the fast of fa

what concerns their different Species and Properties, we are moder an shollest governor.

The concerns the concerns the concerns the Connection between those leaves we have when we war that, we are arrely inceptable of miterfal and control of the are under an absolute lenerance. gles to two right ones i but the Coherence and Conti-nuity of the Parts of Matter, the Production of Senfation in us, of Colours and Sounds, &c. by Impathe and Mo-tion, being such wherein we can discover no natural Contion, neigh also Weelers We can citizove no natural con-nection with any locar we have, we cannot but afcribe them to the arbitrary Will and Good-Fleafure of the wife Arthineti. The Things that we observe contiantly to proceed regularly, we may conclude do act by a Law fer them; but yet by a Law shown on, whereby the Casics work theadily, and Effects confinintly flow further, where the Consedion and Dependencies being nor difcoverable in our Ideas, we can have but an experimen-tal Knowledge of them. Several Effects come every tal Kowledge of hom. Several Effects come every day which the onico of our Senfes, of which we have fo far fenfaire knowledges, but the Caufes, Manner, and Carmary of their Production, were for the con-ception of the Carmary of their Production, were considered to the contract of the con-gon of further than particular Experience informs us of Matter of 11st, and, by Analogy, guef what Effects the like Bedies are upon other Trials like to produce. Better than the contract of the contract of the tension of the contract of the contract of the tension of the contract of the contract of the feet are perfect Sections of natural Bodies (not no mor-tion flying) we are fo far from Kune quality of the contract of the feet and the contract of the c

feck after it.

The third Caufe of Ignerance, is our want of tracing thofe Ideas we have, or may have 5 and finding out thofe Ideas, which may five up what Habitede of Agreement or Difference that they are a conceived and the smay are ignorant of Mathematical Trutis for want of Application, in coquiring, examining, and by due ways comparing the Ideas. No a Association, and the ways comparing the Ideas.

ULAC, a Term in Physick, applied to a violent and dangenou Diffelle, culled the like Pajina, or Myferer. It to conflix in an Sprailson of frequent Matter by the to conflix in an Sprailson of recolor of Matter by the trick, an interfe Phin, and a total Conflipation. The immediane Cane of the like Palina Geran soring to an Irregularity in the Perificiality Motion of the Guts, wis, when it begins with the lower, and is continued to the higher. Other Cauffe are the Hardoufs of the Exercments, Inflammation of the Interdince, and their Engages.

The state of the state of Scottam, as it frequently happen mediated in the state of the state of

ILIACUS EXTERNUS, or Pyriforomy, is a Mufcle of the Thigh, which arifes from the internal concave Part of the Or Searm, towards the bottom, and defending obliquely along the great Sinus of the Or Hasse, from a round flethy Origin, joins the Glazari Media, and is inferred by a round Tendon at the Bottom of the Great

THE STATES OF THE RANGS, the Name of the Musile of the Thigh, which can find fishty from the internal conserve Part of the O. Hom 3 and in its Defects over the inferior Part of its, join with the Figure agreement of the inferior Part of its, join with the Figure agreement of the State of Homes of the State of Homes in Part of the Homes of the State of Homes in Part of the Homes of the State of Homes in Part of the Homes of the State of Homes in Part of the Homes of the State of Homes in Part of the Homes of the State of Homes in Part of the Homes of the Home

HAUM See Een Intellines.
HAUM OS. See Offic Innominata. Thefe are both derived from eight, circumcelvo, to roll alout; because the Gut, which is principally called by this Name, is long, and lies in Folds rowards the boatom of the Abdomen, and therefore gives many of the adjacent Parts thefe Ap-

ILLEVIABLE in Law, fignifies fornething that cannot be levied, and therefore the word Nibil is fet on a Debt or Due that is illeviable.

ILLUMINATION, the Action of a luminous Body, or Body that emits Light, or the Passian of an opake Body that receives it.

dythat receives it.

"ILLUMINED, a Charch-Term, antiently applied to fuch Perfons as had received Baptifin. This Name was occasioned by a Ceremony in Baptifin, which conflicted in putting a lighted Taper in the Hand of the Person baptized, as a Symbol of the Faith and Grace he had received in the Sacrament.

ILLUMINED, is also be Name of a Sett of Hericks, who fersu pin Spain about the Year 1717, and called by the Spain of Spain about The Year 1717, and called by the Spain of Spain of The Herick of Spain o

that they were foon deftroyed. The Brothers of the of cert
Refly-Crois are also called Blooming.

LLUSTRIOUS. honories.

Rofy-Crofs are also called Hoosined.

ILLUSTRIOUS, heretofore in the Roman Empire was

a Thie of Horour peculiar to People of a ceruain Rank.

It was first given to the midd distinguished among the

Knights, who had a right to bear the Latrus Clewus, efferwords they were entitled Highinas, who held the first

Rank among those called Howards; sharts, to the Professi Rank among more cancer amounts; small, to one response Present; the Profesil Uslat, Treasperser, Somiet, &C. There were, however, different Degrees among the likelites: 1 As in Spain they have Grandless of the first and Geonal Class, for in Rome they had their likelites, whom they called Great, Mijerse, and others Left, called Monore. For inflance, the Profesian Protorius was a Degree below the Matter of the Offices, the they were both Illuftres. The Novel of Valentinian diffinguishes as far as five kinds of Illustres. among whom the Illestres Administratores bear the field

IMAGE, a natural, lively Reprefentation of an Oh

MAGE, a staral, lively Repreferancies of as Chiefe, operation of a monitory dependent of a monitory dependent of a monitory dependent of the fact and mage, comes originally from the Greek pacificate, performed by Man, as in Planting Schipmer, and the lite; In which facts, the word is now generally used in the lite; In which facts, the word is now generally used in The UR, and Adaction of Ilman, see Things that have been a long time consevered in the World. The Lorentz of the Charles of the International Charles of the Charles of the International Charles of the Charles of the Charles of the International Charles of the Charles of the Charles of the International Charles of the Charles of

of the beaufield Meanments of Antiquity, both Succeland Foding, at Configurating Iv.

The mobile Remain preferred the Images of their Ja.

The mobile Remain preferred the Images of their Ja.

The mobile Remain preferred the Images of their Ja.

The way of the Images of their Images and Their Im prace and vertuous Archiverments. It was not, however, allowed for all, who had the images of their Ancelture in their House, to have them carried ar their Fuleman and their House, to have them carried are their Fubecountly dicharged themselves of their Offices, for
those who failed in this reflect furficied that Privilege,
and in each they had been gailty of any great Crime,
IJMAGE, in Fhilipply, figurifies the Trace or Mark
which ourward Object impress on the Disal, by mean
of the Organs of Scote. Lossy, in Opticks, figurifies
a the Company of the Company of the Company of
the Organs of the Company of the Company
of the Organs of the Company of the Company
of the Object, to the Disancer of the Besser. This is a

of the Object, to the Diameter of the Image. This is a Rule which Mr. Molyness gives us for finding the Diame-ter of an Image on the Bale of a Convex-Glass. See Op-

Image also fignifies the Description of any thing in

a Discourie.

IMACES, in Differente, axe defined, by Lenginen, to be, Differente, lany Thougher proper to produce Experimental property and the property of th

Things whereof we speak, and presum tearm amount. IMAGES, in Returnir, have a very different Use from what they have among the Forers is the Ead plunicipally what they have saming the Forers is the Ead plunicipally what they have same the return in the property of the p

IMAGINATION, a Power or Faculty of the Soul, by hich it conceives, and forms Ideas of Things, by means

of certain Traces and Imprefitions that had been before made in the Fibresof the Brain, by Senfation. The Or-gans of cur Senfes are composed of little Threads, or Figans or our Scines are composed to intile Largans, see the bres, which, at one end, terminate in the outward Parts of the Body and Skin, and at the other in the middle of the Brain. Thefe little Fibres may be moved two which either beginning at that end which terminates in the Brain. or that which terminates without. Now the Agitation of or that which terminates without. Now the Aplatino of the Fibres cannot be continuated to the Brisin, but the Soul will perceive formething. If then the Agistino the Soul will perceive formething, if then the Agistino the Soul will perceive formething the first and Impedition, we can the current Surface of the Fift and Impedition, which is the Appendix of the Appe pirits, or infome other manner, the Soul then imagines. solition, or all time content manners, one solitions in many and judges, that what the perceives is not without, but within the Brain; that is, the perceives an Object as abfour; And herein lies the Difference between Senfation

LM

granten scalifer of which one be without an Altereitze of the Fibre in the part of the Brien. So that the Fa-culty of Inequiting, or Inequirating, only confiles in the Property of Inequiring, or Inequirating, only confiles in the Property of Inequiring, or Inequiring of the Property of Health and Property of Inequiring the Inequiring Inequiring the Inequiring the Inequiring Inequiring Inequiring the Inequiring Ine

Since then the brazination only confifts in a Power which the Soul has of forming Images of Objects, by impreffing them on the Fibres of the Brsin, it follows, imprefling them on the Fibres of the Brian, at follows, that the larger and more diffice the Fiftings, or Tracke of the animal Spirits, which are the Lines or Strokes, so it were, of those images, are, the more fitnedly and diffinitly the Soal imagenes those Objects. Now as the Breadth, Depth, and Cleannest of the Strokes of a Gravaning depend on the Force Photerowith the Graver Sala, and in depend on the Force whereinth the Graves 2th, and the Cocletines which the Copeny right 5g to the Depth and Cleannest of the Tracks of the Insurantee depend on the Force of the animal Spirit, and the Confliction of the Force of the animal Spirit, and the Confliction of Confliction mal Spirits; and on the other hand Delicacy or Greated, Hermaniary or Dynes, Soffficion Felchility of the Fibre. Hermaniary or Dynes, Soffficion Felchility of the Fibre. Hermaniary or Dynes, Soffficion Felchility of the Fibre. The state of Combination of which Things, will relat a failt and the control Certification of which Things, will relat a failt of the Characters which appear in the Minds of Mean and frest Characters which appear in the Minds of Mean and the fame Friendy flow when the Greaters which a surface of the Characters which appear in the Minds of Mean and unlet different Grawminner, as at the Greater of the Characters which appear in the Minds of Mean and unlet different Grawminner, as the Greater of the Characters of Characters

apply it to a Petfon who has the Care and Intendancy of a Mologo, who is always there the field, and reads Prayers to the Pool, which they repeat after him. The word Learn is also applied by way of Excellence to the four Chine's, or Foundars of the four principal Seds in the Moladowston Religion. Thus All is the Insum of the Performance of the Performan

the four Christy or Francisci of the foor principal Scela in the Medickanear Religion. Thus dip in the ansar of the Pre-ther School of the School of the School of the Innas of the School Others bold, that it is indeed of divine Right, but dony it to be fast actual of any single Example, as that it may not be transfer to an advantage of the School of pofed, and his Dignity confer'd on another. However this be, 'tis certain that after an Imam has once been own'd as fuch, by the Muffulmen, he who denies that his Authority comes immediately from God, is accounted impious; he who does not obey him, a Rebel; and he who pretends to contradict what he fays, a Fool, among the orthodox of that Religion

IMBARGO, a Stop or Stay pur upon Ships ufually by

IMBECILITY, is a State of Languor, or Decay, wherein the Body is not able to perform its ufual Exer-IMBEZZLE, to waste, scatter and consume; as where Person intrasted with Goods, wastes and diminishes

them, he is faid to inthescale them.

IMBIBE, is used commonly in the fame Sense as absorb; as where a dry porous Body takes up another that is

IMBRICATED, is used by some Botanists to express the Figure of the Leaves of some Plants, which are hol-low like an Imbres, or Gutter Tile.

low like an Indrey, or Gutter Tile.

IMITATION, in Muse, is where one Party imitates the finging of another either throughout the whole Piece, which is one of the Kinds of Canon, or only during fome Measures, which is a fimple Instation. Sometimes the Mo-

Mediaret, which is a finyle hontane. Sometimes the Mo-tion or the Figure of the Notes, show; initiated 3 and to or the Figure of the Notes, show; initiated 3 and what they call a Retrograde history. More, so this hashes what they call a Retrograde in the former the Repetition mail to a sal, a 1d, a 6th, y 7th, or 9th, either above or bollow the fifth Voice: Whereas were the Repetitions on bollow the fifth Voice: Whereas were the Repetitions on bollow the fifth Voice: Whereas were the Repetitions on bollow the fifth Voice: Whereas were the Repetitions of the Repetition of the Repetition of the Repetition of the More of the Reference of the Repetition of the Belfeld Virgis, they call it summerator: init-runting that five wester from Original Sin. When the

Cap is given to a Doctor of the Subsume, he is obliged to Cap is given to a Doctor of the Surbanes, he is songed to funcar that he will deficed the immunolate Conception. This was decreed by an Act of the Surbanes in the Lath Century; is imitation of which, 80 other Univerfities made the fame Order. The Millimy Orders in Spens are all following obliged to defend this Prerogative of the Virgin.

Sec Concepton.

Congregation of the Immunulate Conception. In most Nunneries there is a Society of Secular Maids, whose End is
to becour the immunulate Conception: Of which they
make a public Proteclation every Year, and a private one

every Day.

IMMANENT: A Term in Legic. The Schoolmen
diffinguish two kinds of Actions; the one transferry, which
pass from the Agent to the Patient; the other immunerar, hich continue in the Agent. IMMATERIAL, formething devoid of Matter; or that

IMMATERIAL, fomeching devoid of Matter; or that is pure Spirit. The Good, Angolt, the Human Soal, are jury Spirit. The Good, Angolt, the Human Soal, are jury Spirit. The Good of Angolt, the Human Soal, are Spirit Spirit

ly, From to Incurrence and the Control of the Contr

IMMEMORIAL, sa Epithet given to the Time or Duration of any thing, whole Beginning we know no-thing of: in a legal benie, a thing is faid to be of Time immemorial, or Time out of mind, that was before the immensial, or Time out of mind, that was better the Reign of our King Edward II. IMMENSE, is that whofe Amplitude or Extension no Finne Measure whatfoever, or how oft foever repeated,

can cqual. IMMERSION, an Action by which any thing is plan-ged into waver or either Fluid. In the first Agard Chri-lianist, Exparing was performed by Soose fluid by the case in the contraction of the contraction of the contraction of the Pure col, and among the Anaboguith in the Christian of the by lexing at the contraction of fluid Medicals, by lexing at the contraction of the Medicals of the Christian by lexing at the contraction of the Medicals of the Christian that form ill Pastiny or Talle from it as a flow in Rina to take form ill Pastiny or Talle from it as a flow in Rina Salts and in Circus, which are performed as any in Salts and in Circus, which are performed as the contraction of the MMERSION. In Affroncion, it when a Sur or plan

Salty and in Olives, whose are preserved in Brine.

IMMERSION, in Aftrocomy, is when a Six or Planet is fo near the San with regard to our Observations, that we cannot left it being as it were enveloped and hid in the Rays of that Laminary. Immerjone is also the Regioning of as Exlipse of the Monos has is, the mo-Beginning of as Exlipse of the Monos has is, the mo-Beginning of as Exlipse of the Monos has in the monos of the Company of th into the Shadow of the Earth. And the fame Term is used with regard to an Eclipse of the San, when the Disk of the Moon begins to cover it. Emersion is the Term opposite to Immersion, and signifies the moment wherein the Moon begins to come out of the Shadow of the Earth; the Moso begins to come out of the Stackow of the Earth, or the Stan begins to flow whe Parts of the Disk which were had before. Insureflux is frequently applied to the three three controls of the Parts which the Olderstain whereoff is of for must the Goldrenia whereoff is of for must the Goldrenia of the Statellie is any the Conjunction. The Insureflux or that Statellie is of Spores; and the Longitude. The Insureflux are observed from the Insure of the Conjunction of Spores with the State, to the Insure of the Conjunction of Spores with the State of Spores; and the Conjunction. The precision Advantage of the Colorations, is, that during eleven Advantage of the Colorations, is, that during eleven of the Conjunction of the Con

other Day. The furteeton of this lifecty, and mextan-is thereon, we were to M. Caffini.
IMMORTAL, that which will laft to all Eccentry, that bas in title to Principle of Alteration or Corruption.
Thus God and the Human Soul are memoral. Plate demid-the in titled to Perception of Africances or Confequence, and the property of the Confequence of Confequence of the Confequ of spirinal things; puricially from the lêcs it has of lumwridity. 6. From its Immerciality. Bit profiles or mend Argaments for the Issueratory of the Soul, are for the Argaments for the Issueratory of the Soul, are for the Welst or Gergae superfiled, on the Good and new action of the Company of the Company of the researched after Death. 8. From that Dependence which Kelligon has on the Opinion, in regard, without the Issueratory Action of Wires are to be calibrated, that they may at all the Copinion which Men have, that Juftice and every lated of Wires are to be calibrated, that they may at all lines are considered to the Copinion of Confidence, and "IMMONITY. 8 Privilege or Excentring from Source "Immonity or "Immonity" or "Immonity or "Immonity" or of spiritual things; particularly from the Idea it has of

anxious Solitelines we are under about a litture State.

IMMUNITY, a Privilege or Exemption from fome
Office, Dary, or Imposition: It is particularly understood
of the Liberties granted to Gries and Communities. The
Princes heretofore granted all kind of Immunities to Ecticallies a complete these Solites of Immunities. Princes heretotore granted all kind of Immorante to Ecclifidities, exempting them from all Impositions; but the Ecclifidities, exempting them from all Impositions is the Ecclifidities of thefe Days were not for che as those of ours. They gave all they had to the Poor. There is a Triple of Immonity in forme Places, and effective all a Privilege of Immonity in forme Places, and effective and Ecclification Things and Performs and the Ecclification of Ecclification Things and Performance of the Parties of Justice. Provinces of Ecclification Crimes Crimes and Control of Parties of Parties of Parties and Parties for which they cannot plead the Privileges of Immanity, as premeditated Murder Est.

premeditated Marder &c.
IMMUTABILITY, the Condition of fomething that
cannot change. Immutability is one of the Divine Attri-

IMIM

tottes. There is a two-field meanstalling in God; a shydract and a Meral one. The Physical meanstalling conflict in this, that the Subthace of God alone one processor and the state of the

Conteceration.

IMPARLANCE, or Emparlance, is a Motion made in Court, on the account of the Demandant by the Tenant, or Declaration of the Plaintiff by the Defendant, whereby he craveth Respite, or any other Day to put in his

Anfwer.

Answer. In cither general or special. Special is meantained in cither general or special in the Clause, Survis sounders determined in the control of control in cities and the control in made at large, without inferting that, or any like Charge. IMPASSIBLE, that which is exempt from Suffering, which cannot undergo Pain or Alteration. The Stries place the Soul of their Wife Man in an impaffile imperturbable

IMPASTATION, a Work of Mafonry, made of Stu or Stone beaten and wrought up in manner of a Patte.

Authors are of opinion that the Obelisks, and the huge Antique Columns fill remaining, were made fome by Im-

tique Columns ini remaning, were made iome by po-politation, and others by Finfen.

IMPEACHMENT of Wajte, comes from the French Empfekwenn, Impediment, and fignifies a Reftraint from committing of Wafte upon Lands and Tenements. And therefore he that hath a Leafe without Impeachment of

committing of white typic Lands and teachers. And
white, has by that, a Property of Internet given him in
the Hoofes and Trees, and may make wake in them
the Hoofes and Trees, and may make wake in them
IMPECCABILITY, to be first or a Ferfee who cancer
fin. The Word allo Equifice the Grace, Privilege, or
The Word allo Equifice the Grace, Privilege, or
The Word allo Equifice the Content or financy
The Schooling the Breeze Content of the Co

our this Dithinstion are easily confounded.

IMPENETRABILITY, Quality of that which cosnot be pierced or puncerated; a Property of Body which
for fill up'a certified spots, a that there is no room in it,
of fill up'a certified spots, a that there is no room in it,
Dithinstion of see created Subfiner from another, by
means whereof the Extension of one thing is different
from that of another; fo that two extended things cannot
be in the famely lone, but must needing scannot
be in the famely lone, but must needing vession can
in the second of the second of the second of the second of the
IMPENITENCE, a Handerfor of Heart, which makes
a Ferfor perforeer in Wic, and prevents his Repeniesce.

a Perfon perfevere in Vice, and prevents his Repentations. Final hospesitives is the Sin against the Holy Gheit, which is neither particular in Item or that to come.

IMPERATIVE, in Grammar, is one of the Modes or Manners of Commencing a Vert hereign.

Manners of Conjugating a Verb, ferving to express a Commandment; as Go, Come, Sc. In the Hebrew and other Oriental Languages, the Future Tenfo has frequently

an Impressive Signification.

IMPERFECT TENSE, in Grammar, fignifies an indefinite Time between the prefent and the past: as, I

taught, I bound.

IMPERFECT FLOWERS, are thofe which have fome
Defects, and either want the Petals, the little Leave
Defects, and either want the Petals, the little Leave
MERFECT UNIMER'S, a heithmetic, are those
whose disjust Parts taken together, don't make the just
Nomeir utific, but either come there of its is which eafor
they are called defected Nomelevs; or exceed it, and then
they are called administ Nomelevs.

IMPERFECT PLANTS, among the Botanifts and fuch as either really want Flower, and Seed, or are supfach as center reasty want r sower, and occur, or at the period to want them; fince no Flower or Seed that yet been discover'd to belong to the greatest part of them. These Mr. Ray dithinguishes according to the Place of their Growth, into.

their Growin, into,

(1) Aquatics, or fuch as grow in the Water: and that elther, t. In the Sea, and then they are called Marine Plants;
and those are either of an hard and flony Confidence, as

stee. I. In the case, me me ting the called horner Film's steel. I be the case, when the case is the cortal, conflictles or Percent that is of a cause of and berbaccous enc. Of their forms are like Herbs, and are for any herbaccous enc. Of their forms are like Herbs, and are received the film of the case that the case that the case th role undermeath, or without Stalks, as the Pecies of Pliny, and Fungas Pulversientus, Cepius Lupi, or common Puff-Balls. 3. Subterrancous, as the Takers True, or Truffes. Secondly, Such as have a more foft and dry Confidence. Secondly, Such as have a more lost and dry Voolsitence, and more like that of Herbs; of which form are been caulificrous and branched, or the Myfai, or Moffes; Others are without Stalks, adhering like a Carlt to the Surface of the Earth, Stones, Trees, or Wood; as the Luken Terrefiris and Arboreus

first and observe.

IMPERIAL, frenchise belonging to the Empiry that we try, his heperial Mayirly, the huyeral Coren, U.S. Happend Chen in Commay are thefe wish lew no notes the heperial Mayirly, the huyeral Coren, U.S. Happend Chen in Commay are thefe wish lew no notes the heperial Mayirly and the heperial Mayirly and the heperial Mayirly and the heperial Mayirly and part him the known from the foreign and pays him the Kausse Mouth) burn other reflects, and in Administration of Justice, he is Second of Keeping Potestan Household Chen, and the second of Keeping Potestan of Foreign Again the Mayirly and the foreign and the foreign and the of Sadik, he had been too Branches, but of the Khen, and hat of Sadik Potestan Foreign Chen, the Household Chen, the Hou

Imperial Chamler is a Sovereign Court, effablish'd for the Affairs of the immediate States of the Empire.

the Affairs of the immediate States of the Lengure.

Imperial Dies, is an Affambly or Convention of all the
States of the Empire. It is usually held at Rainbey a
where the Emperor, either in Perfun, or by his Commisfioner, the Electors, Secular and Ecclefattical Princes,
Perlates, Princeffer, Counts, and Deputie of Imperial Citries, affili. The Diet is divided into three Colleges, which ties, stift. The Der is divided how three Colleges, which are those for the Electron, the Prince, and the Cities. The Electron alone form the first , the frecord confish of of the Populse of Superal Cities. Each College has the Director, who presides in the Confulsation. The Electron College of Electrons, the Archelothing on College of Electrons, the Archelothing of Electrons, and the College of Electrons, the Archelothing of Electrons and City of College and Electrons and City of College and Electrons and Electron

IMPERSONAL, Verb in Grammar, is fuch an one, as is only used in the third Person Singular; as Operier,

IMPERVIOUS, expresses such a Closeness of Porce, or particular Configuration of Parts, as will not admit

another thro'.

IMPETIGO, is a Catanoone Foulnels, divided into many kinds by the Asticiarty, but a better Knowledge in to many kinds by the Asticiarty in the Catanoone Cleans, has raught us the Care of all fach Differders, without having any secretisty, Recourse for fash billimidies. The Irich and only secretisty Recourse for fash billimidies. The Irich and the Catanoone C

Lépody take in the lateral of Infelien, according to to the mod obligated degree of Infelien, according to which the Means of Cure are proportioned.

IMPETRATION, an obtaining by Ropell or Prayers the Word is ufed in our distance for the pre-obtaining of the Word is uffel in our distance for the pre-obtaining of Reasy, which did bettern to the Diff from the Court of Reasy, which did bettern to the Diff from the Court of Reasy, which did bettern to the Diff from the Court of Reasy, which did bettern to the Diff and the Ready and other Lay-Patrons of the Readmy and other Lay-Patrons of the Readmy and other Lay-Patrons of the Readmy and the Readm

IMPING, is a Term used in Falconry, and fignifies the inferring of a Feather in the Wing of a Hawk, in the one that is broke.

place of one that is broke.

IMPLANT/ATION: One of the fix kinds of Tranf-plantation; ufed by fome People for the Cure of cereain Diffca(ex. inoplantation is performed by placing Plants, or at least the Koots of Plants, in a Ground prepared for that at least the Roots of Plants, in a Ground prepared for that purpole, and warerd with white the Patient used to weak himfelf withal. By which means 'tis pretended the Dif-cale is translated into the Plant. If the Plant happen to die before the Cure be perfected, by reason of the ill Qualities it inhibes, other Plants mult be placed instead and the Process be continued as in the first.

IMPLEAD, from the French Plaider, to fue, arreft, or profecute by Courle of Law.

IMPLEMENTS, comes either from the French Word Employer, to employ, or the Latin Imploy, to fill up; and is used for all things necessary for a Trade, or the Furniture of an Houshold: in which Sense we frequently find

nature of an Houthold: in which Sente we requestly and it used in Wills, and Conveyances of Movembles.

IMPLICITE, fomething tacitly comprised or underflood; that is, containd in a Difcourle, Claufe, or Proposition, not in express Terms, but only by Induction and Confequence. The Word is derived from the Latin Pfleo,

IMPLY a Contradiction; a Term ufed among Philo-fephers to fignify the Object of Divine Omnipotence. Thus we fay, God can do every thing that does not imply a Contradiction proceeding from God: By which is not meant a Refrect of the Action to the Executive Power of God; for God by this Power could do whatever does not God, for God by this fower could do whatever does not imply a Contradiction proceeding from this Power, which would be to fay, that God can do what he can do. In that Propolition it rector is intended a Refrect to the other Attributes and fimple Perfections of God. Thus God ther Attributes and lumple Perfections of God. I has God can do whatever does not imply a Commidition to forme other of his Attributes. For inflance, he cannot asteff a falle Religion by his Word, or by Miracle, because this is re-pugnant to his Groodness and Truth. But because tall things that imply a Comradicition, cannot be faid to have fuch a Refpect to the Attributes of God; therefore we may fay more generally, that these things imply a Contra-dition, which involve a Contraticty from the Terms or Object. For there are two things requifite to the Being of any thing; the one on the fide of the Agent, viz. a Power of Acting; the other on that of the Patient or Object, was a Non-refiffance. For want of the first Condi-tion, there are a thousand things which we cannot do; and for want of the fecond Condition, there are many

med, is yet denied, is impossible.

IMPORTATION, is the imposting or bringing in of handizes from foreign Countries. IMPOSITION OF HANDS, an Action by which the Evangelical Miffion, and the Power of Ablolving, is convey'd. Imposition of Hands was a Jewyl Ceremony, intro-Veyd. Impoliuses of Handa was a Yemilo Ceremony, intro-duced, not by any Dyine Authority, but by Caltom; it being the Practice among those People, whenever they pray'd to God for any Person, to lay their Hands on his Head. Our Saviour observed the same Castlom, bush when he conserved his Blefsing on Children, and when he when he conferred his Bleffing on Children, and when he cured the Sick; adding Prayer to the Coremony. The Apollica likewide land Hunde on their whom they below? It he Haly Choic too. The Princh offered the farme the Haly Choic too. The Princh offered the farme the Apollica themical constant of the Hall of the he Apollica themical constant of the Hall of the Apollica themical constant of Hunde was practiced on the anions: Church hoppins of Hunde was practiced on Ferrom Burch they cannot alwho the Applicant full co-ferent. Burthaf Term, which in its original Signification, is a grown't; a Ferriand by Callone, or the Applicant full is grown't; a Ferriand by Callone, or the Applicant full. is practifed at Ordination. Spanbern has written a Trea-tife de Impositione Manuam; and Tribenbarius and Braunius have done the fame

things that God cannot do: for that which, when it is af-

The displacement of the property of the proper

mutually deftroy each other, and which can neither be conceived, nor united together in the Mind. Thus it is impossible that a Circle should be a Square; because we impossible rhat a Gircle fixed be a Square, because we conceive clearly that Squarents and Reindeleif deconceive clearly that Squarents and Reindeleif deconceive clearly that Squarents and Reindeleif deconceive clearly stated to the state of the state fhould throw the fame Number with three Dyes an hundred times fucceffively.

Any thing contrary to Decency and good Scofe is also Any thing contrary to Decency and good Scinle is allo did to be implished, among those who readen from Moral Topics I thus the Lawyers Int, Owner to pe complished: Their Conditions are moppishe, which Scinle and Decorum don't allow to be perform'd, this in themselves very possible to thole who have no regard to good Scinle, 186. I IMPOST, in Law, is the Tributer of This appointed by the Prince, for fach Metchandise as is brought into any

the rince, for tuen derchandize as is brought fine any Haven in his Dominious from foreign Nations: 3. Elia, 5. It may be diffinguish?d from Cuttom, in that, Cafforn peoperly fignifies the Darties poid to the King for Goods finith?d off or exported; but they are frequently confounded morther.

IMPOSTHUME, is a Collection of Matter or Pus in any Part of the Body, either from an Obitruction of Fluids in that Part, which makes them change into fuch Matter; or from a Translation of it from some other Part

where it is generated.

where it is generated.

IMFOSTS, in Architecture, are what are fometimes called Chaptels: being the Parts on which the Feet of Arches flash; or the Capitals of Ellars, that Inpure Archas. Thefe Impul; conform to their proper Orders. The Tutan that I Patinn donly; the Dorick two Exect crown dy the Imits a Latture; or Cowns, were the two cases of the Imits and I was the Imits and I was a compared to the Imits and I was a latture; Preser, and other Endourage and Comparing how a Latture; Preser, and other Endourage and Comparing how a Latture; Preser, and other Endourage Architecture of the Impul; runtin not exceed the Nacked of the Fillette. Sometimes the Enablature of the Enablature of ings. The Projectures of the Imposit must not exceed the Naked of the Pilafter. Sometimes the Entablature of the Order ferves for the Imposit of the Arch; and this looks very grand and flately. The Imposit is a thing very effential to the Composition of the Ordonnances; infomuch that without it, in the place where the curve Line of the Arch meets with the perpendicular Line of the Pillar, there always feems a kind of Elbow.

Filtar, there always feems a kind of Elbow.

IMPOTENCE, a Want of Strength, Power, or Means to perform any thing. Impotence also fignifies a natural Defect of Inshilling to Generation. The Decretals diffinguish three kinds of Impotence, size. Frigidity, Enchantment, and Inability to the Act. Impotency annuals Marriage. The Word is derived from the Preposition in, taken privatively, and Potestia Power.

privatively, and Foessia Fower.

Divines and Philotophers diffinguish two kinds of Impatency. The one Natural, the other Moral. The first is
a Want of Fome Physical Principle necessary to an Action,
or is fomenhing absolutely defective, or that is not free, and
at liberry to act; the fectoral is only a great Difficulty as
at liberry to act; the fectoral is only a great Difficulty of the
attention of the principle of the princ

IMPERCATION, a Curfe, or Wish that some Evil may be all any one. The Antients had their Goddedtes call'd Imprecations, in Latin Dire, i. e. Deraw Ire, who were supposed to be the Executioners of evil Consciences. were supposed to be the Executioners of cell Conference. They were called Imprecations in Heaven, Favies on Earth, and Eumenider in Hell. The Romans own'd but three of thefe Imprecations, and the Greek two. They invoked them with Prayers and Pieces of Verfes to delirey their Enemics. The Word is derived from the Latin in and

IMPREGNATION, is the Emiffied of the Seed of the Male in Coition, by which the Fernale conceives, or be-comes with young. It is also, hence, figuratively ofed in Pharmacy, when a Liquor imbibes the Juice of fome other Body: Thus a Meniltuum is faid to be impregnated with a Body disfolved in it, as much as its Fores are able to receive. The Word is derived from the Latin impregnate, of Pregnans, a Woman with Child.

refembling them, which Species are convey'd by the ex-terior Senies to the common Senie. These impressions, or terno comos to the common scue. Incel mayegons, or impedia'd Species, being material and fenible, are reder'd intelligible by the adive Intelled; and when thus fairmaint'd, are called Expertions or experts Species, as being experts of from the others.

IMPRESSION, is also frequently used in speaking of the Editions of a Book, or of the Number of Times that

they have been printed. The Moderness affairs us, there were shows any here yet the service of here of the Lemma Bille in and the silling and the silling in the service of here of the silling of the silling of the silling of the silling in the si

pristates in England.

IMPROPRIETY, Quality of fornething that is not fit or proper. Grammassas observe three kinds of Faslas in Langange, a Solettion, a Exberding, and an Inspersion of the Company of

meas of Nature from strasflev and applyine Fowers.
MPCUATION, a Term much used among Divines,
functions in a good, and functiones in an ill Senfe 5 in
the latest is in site of to figuity the Archivation of a 5in
the latest of the site of the property of the site of the more among the Reformed, than an extrinsic Justite, which does nor make us truly just, but only appear fo, which hides our Sins, but does not effice them. For this reason theff or the Rossife Communion decline the Uso of the word Imputation, and affert that the justifying Grace, which applies one the Merits of Jelus Christ, and only covers our Sins, but allo effices them; that this Comme is mirrifie and inherent, renewing entirely the Grace is internate and inherent, renewing entirely the imward Man, and renders him pure, jult, and without fipot before God, and that this Judice is given him on account of the Judice of Jelss Chrift, that is, by the Merits of his Death and Patien. In a word, fay they, the "in the Obedience of Jelss Chrift that has merited juttifying Grace forus, yet it is not the Obedience of Jelss Chrift when the Merit of Jelss Chrift was the Chrift of the Chrift when the Chrift was the Chrift when the Chrift was the Chrift when the Chrift was the Chrift was the Chrift when the Christ was the Christ when the Christ was the Christ when the Christ was the Christ was the Christ was the Christ when the Christ was the Chr med Declarace of Jeans cann't that has mercent justifying and that renders to fermally just? And in like manner (in some the Difficient can be able to the Difficient can be able to the Difficient can be able to the Difficient can be able market as formally Simmer, but in the Biddeedlence the like mercent can be able to the declaration of the second of the declaration of the second of the declaration of the de

rationary, by the Operation of the Holy Ghofe: So that they are not only reputed julf, but also made fo. INACCESSIBLE Height, or Diffunce, is that which cannot be meafared, by reason of fome impediment in the way, as Water, Ed. So theight. INACTION, Ceffacion of Action, a Term much in use in the mythical Pacient.

the myffical Divinity; by which is underflood a Privation of Motion, or an Annihilation of all the Faculties; by which

the Door is, as it word, flrut to all external Objects, and the Does; a sir were, that to all external Objects, and a shird of Exastly invokened, during which God Ipecks. I ask and of Exastly invokened, during which God Ipecks is the most proper later. The this State of Insulator that is the most proper in the thing of the Insulator is the most proper in the God Control of the C vain Speculations of Realems but demands in general everything that may be agreeable to God, without preferibing any thing to him. This latter is the Doctrine of the aminent myfite Divines; and the former, that of the modern ones, or Quietiliz. In general, however, it may be faid, that Insilion is not the mod likely way of pleafing God; 'tis our Actions chiefly by which we are to gain his Favour: he will have us to act, fo that Inathina gam us ravour: ne will have us to ace, to cannot be agreeable to him.
INACTIVITY of Matter. See Vis Inertie.

INADEQUATE Idea, is a partial or incompleat Re-presentation of any thing to the Mind. See Adequate

INALIENABLE, that which cannot be validly aliena-INALIENABUE, that which cannot be validly alterna-ted, or made over to mother 1 is has the Dominions of the King, the Charch, Minora, &c. are insteaded, unleft is be with a Referred the Right of Redemption, forever. INANIMATE, a Body that has 10d its Scal, or that a mort of a Nature capable of a twing any. Thus a dead data lies insenient Lump, and Metals are insument Bo-lant lies of lawring the control of the Charles Preptition in The world is derived from the Latin Preptition in

dick. Inc word is derived from the Latin Prepolition in taken privity-lay, and minus, Soul.

INANITION, a Term in Phylic, agolifying Empti-ness, or the State of the Stomach, when it is empty, and needs Food. There are Flatandities which proceed from Repletion, and others from Inamities, which last are the

more dangerous.

INARTICULATE, an Epithet applied to fuch words
as are not pronounced difficulty.

INAUGURATION, the Ceremony performed at the
Coronation of an Emperor or King, or the Confectation of
a Prelate 3 fo celled, in imitation of the Geremonies afed a Freilace; to caused, in immunos of the corremones used by the Rossanti, when they were received into the College of August. The word comes from the Latin Innosparate, management, which signifies to dedicate a Temple, or raife any one to the Prietthood, having, in order to that, and analysis. first taken Auguries.

first laten Auguries.

INCA, or YNCA, the Name which the Natives of NCA, or YNCA, the Name which the Natives of Peru give to their Kings, and Princes of the Blood. The Chronicle of Peru relates the Origin of the Paces, and Says, that this Country had been a long time the Theatre of all forts of Wars, borrolle, Corner, and Offendame, till at length appeared two Brothers, the one called Manual Country of the C till at length appeared two Brothers, the one called Mas-geops, of whom the Indiasis as fee to tell Wooders is he built the City of Crofeo, feetled Laws and Policy, and taught themto adore the Sun; and ho as of his Defeen-dants took the Name of Trees, which, in the Language of Pern, figalifies Kong, or Great Lord. They grow to power-ful, that they made themfelves Malters of the whole Country, from Pafio to Chili, 1300 Leagues long, and held it till the Divisions between Trea Gas/car, and Atabelinear it ill in Dirmons oetween zwea Guajaar, and Atabil-pe ; which the Spaniavd I slying hold of, made themfelves Matters of Peru, and put an end to the Empire of the Insex. They do but number twelve of thefe zweas. "Tis faid the most considerable among the Nobles of the Coun-we fill bear, the Novel of the Coun-

the Lutin, in, and cases, I fing.

INCAPACITY in Matters of Benefices, among the
Romanifit, &c. is of two kinds; the one renders the Provi-Namaging, &C. and two Lunds; the one renders in Provi-tion of a Benefice null in its Original; the other is ac-tion of a Benefice null in the Original; the other is ac-tivated in the Company of the Company of the Company valid. Inseparative of the first kind, are the want of a Dif-pendition for Age in a Miner, for Leginization in a Bat-tand, for Naturalization in a Porcigier, &C. Of the other kind, are girrosso Offences and Orimes, the being concerned in feeling a Sentence of Death excused, &C. Additional Company of the Company of the Company of the Additional Company of the Company of the Company of the Additional Company of the Company

which vacate the Benchee to all intents, or render the holding it irregular. INCARNATION, in Divinity, Eguifics the Union of the Son of God with rhe Human Nature. The Myftery by which Jefus Chrift, the Eternal Word, was made Man,

inceder to accomplish the Work of our Salvation. The Indians own a kind of Trinity in the Godhead, and fay, that the second Person thereof, has been incarnate nine that the fecond retion thereof, has been incarnate mun-times, and will be incarnate a tenth, and give him a dif-ferent Name in each of these thearnations. See Kercher. China Illust. The Lara used among Christians, whence they number their Years, is the time of the Incarna-sion. This Leawas fift established by Dienyston Enigent tion. This Lea was first established by Lineapyran expanse about the beginning of the osth Century, till which time the Era of Directeliar had been in use. Some time at cer this, it was confidered, that the Years of a Man's Life were not numbered from the time of his Conceptual. Life were not numbered from the time of his Concep-tion, (as was done in that Xex) but from that of his Birds: which occasioned them to polypone the begin-ning of this Xex, for the Space of one Tear, rectaining the Cycle of Denrylat entire, in every thing olfe. At Rome they reckon their Years from the Incurration, or from the Birth of Chrift, that is, from the 3th Obecomber, which Calloron has obtained from the Year 1231. In Fronce, Callon has obtained from the Year 1431. In FIRME, Empland and Everal chefr Countries, they allo freekon from the Incarnation; but then they differ from the others in the Day of the Incarnation, fixing it not to the Day of the Birth, but to the Conception of our Saviour. However, the Haveniner flick to the Day of the Birth, and begin their Year from Christmas. Sec Petav. de Doll. Temp. Grau-

INCARNATION fignifies the healing and filling up Ulcers and Wounds with new Flesh; and the Medicines which effect this, are commonly called Incurratives, from

in and care

and care, Flesh.

INCARNATIVE, in Chiravgery, is fomething that makes Flesh grow, rejoin, or unite, and is applied to Re-medies, Bandages, and Sutures. An incarnative Remedy is fuch a one as makes the Flesh heal and unite; an m is such a one as makes the Fieth heel and unite; an in-carnative Bandage, is a Fillet, with an Eye or Noofe at one end of it, so as the other end may be put thro it. To make use of this Bandage, they apply the middle of it to the Side opposite to the Wound, so that the Aper-ture may be over the Wound itself; and slipping the other end thro' it, draw the Lips of the Wound close to each other, that they may grow together. An incorrective Suture, is fach a one as, by rejoining the Lips of a Wound, and keeping them together, by means of a Thread drawn thro'them with a Needle, occasions them to grow up and heal

up and heat,
INCARTATION, in Clyniftry, is a Parification of
Gold, by means of Silver and Agas-Faria.

Refin, INCENSE, an accurate, domining the silve state
INCENSE, an accurate, domining the silve state
Interface of a Peru Tree, and grows in the Contary of
Sads, in Advantage, called by the Antients Thornica,
Incedic bearing, The Incidion for the Refin to conc out at, is
in made in the Doplays. The Multi-Rerefit in the belt is
it is in roand, in white drops, fat within, and influence
immediately, well add on the Fire. This is all called in Ollhamse. The Female Incense is forter, and more refinous, but of less Virtue than the former. Incense is of considethan the former. Incense is of confide rable Use in Phys rable Ufe in Phyfic, it warms, drics, and binds. It is used in feveral plicates of the Had and Breaft, in case of Vomiting, a Diarrhea, or a Dyfenery; i externally it is used to fortify the Brain, and in healing of Wounds.

Bark of Intentify, is the Bark of the Tree whence the Intentify Bown, which has the fame Qualities with the Intentify little. There is another Bark brought from the

the heavile flows, which has the frame Qualities with the Interople states. The brought from the Interople states of the brought from the Interople states of the brought from the Interople states of the Interople states of

INCEST, a Crime committed by Perfors having to do with each other, who are related in a Degree prohi-bited by the Laws of the Country. Some are of opi-

nion that Marriage ought to be permitted between Kinf-folks, to the end that the Affection, so necessary in Mar-riage, might be heightened by this double Tye, and yer the Kules of the Church have formerly extended the Pathicking and the founds to the formerly extended yet the Kulles of the Church have formerly seamfeld that Problition corns to the fewerh Degree, but time has brought it down to the third of fourth Degree. The third that the state of the property of the third that the state of the state o

their own Sabjelh, and fell more fo, to have married in-ton the Families of wy foreign Princes. INCEST, SPIRITUAL, is a Crime committee, in like manner, between Perfoa who have a fpiritual Al-liance, by means of Baprilin or Confirmation. Spiritual Jungit is also matched out a Visin, or other Beneficiary, that is, holds very boost the Morte and the Doughters' that is, holds very boost the Morte and the Doughters' that is, holds very boost the Morte and the Doughters' that is, holds very beautiful that the spiritual properties beau-tiful to the spiritual properties. The spiritual properties were the one and the other of holds Doughters were and NOCESTIOUS. The Name of a Seet that street in a NOCESTIOUS. The Name of a Seet that street in a few NOCESTIOUS. The Name of a Seet that street in a few

the one and the enter of those Benefices vacant.

INCESTUDUS, the Name of a Sect that arole in Iraly about the Year 1064. It had its Beginning at Reservant to the American Section of the Hard Place being confilted by the
Harmines about the Degrees of Affinity which prohibit Marriage, made answer, that the seventh Generation, mentioned in the Canons, was to be taken on both sides together; fo that four Generations were to be recken'd on usgenber; Jo that four Generations were no be reckund on one fole, and three on the other. They proved this their Cymison by a brillings in Jujimiant's Inditates, where the Cymison by a brillings in Jujimiant's Inditates, where the contraction of the property of the pro INCH, is a known Measure, the twelfth Part of a Foot,

INCH, is a known Meature, the tweather art of a root, containing the Space of three Barley Consis in length.
Goods are fald to be fold by Intel of Candle, when a Merchant, or Company of Merchant, as the Eagl-Incide Company, Ec. having a Cargo of Foreign Goods artived, are inclined to make a speedy Sale of them; is which each, nonice is usually given upon the Eachang by Writing, calle, notice is quastly given upon the exceeding ey year tog and elfewhere, when the Sale is to begin; against which time the Goods are divided into feveral Parcets, called Lors, and Papers printed of the Quantity of each, and of the Conditions of Sale, as that note final bid left than a certain Sum more than another has bid before. Dering the time of Bidding, a finall Piece of about an herb of W. C. J. J. Wasser and a large beautiful and the con-

the time of Bidding, a fmall Piece of about an Inch of Wax-Candle is barning, and the last Bidder, when the Candle goes out, has the Lot or Parcel exported to Sale. INCHOATIVE, a Term figuritying the Beginning of a Thing or Action. Inchasive Verba, according to the first Rules of the Lotic Tongue, are ufed by the best Auctor; and infection of the Candifficently with Primitives, laving almost all the Tenfes in common with them; nzy, ordinarily they ex-prefs our Sentiments with more Violence, and the Actions

prefs our Sentiments with more Votence, and the Actions themselves in a more perfect State.

INCIDE. Those Medicines are faid to insole, which confist op jointed and flarp Particles, as Acids, and most Salus; by the Force or Iosinastion of which, the Particles of other Bodies are divided from our another, which before cohered. And thus fone expectorating Medicines of the Particles are the Delboom when purpose present in the property of the Particles of the Part are faid to incide, or cut the Phlegm, when they break, it

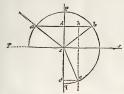
are fals to resist, or cut the Phlegm, when they break, it for so occasion in Elcharge.

INCIDENCE, caprefice the Direction with which one Body finder upon another, and the Angle made by that Darly finder upon another, and the Angle made by that Darly finder upon the Control of the Control accurately, or very nearly in a given Ratio to the Sine of Refraction: (And the Angles of Incidence, Reflexion, and Refraction, are all in one and the fame Plane.) Wherefore if that Proportion be known in any one Inclination of the incident Ray, it is known in all; and thereby fracting Body, may be determined. Thus if the Refrac-tion be made out of Air into Water, the Sine of Invidence of the Red Light, is to the Sine of Refraction, as 4 to 3. If out of Air into Glass, the Sines are as 17 to 11.

IN

(381)

Light of other Colours, the Sines have indeed other Pro-portions; but the Difference is follittle, that it need fel-dom be considered. As for example, 2 tet r 7 (in the Fi-gure) be the Surface of the fill Water, e the Point of Ind-struction of the Surface of the fill Water, e the Point of Ind-struction of the Surface of the Surface of the Surface a s, is reflected or refracted: To know whither this Ray hall go after fuels Reflexion, on Refurition; or the Sur-



face of the Water rs, and in the Point s, erect the Perpen said in the water  $r_i$  and in the fount  $\epsilon_i$  erect the Perpen-hance of the produce it downwards to g. Knowled theoretical plant for the produce is the produce of the best found formewhere in the Plane of the scale of p and close i = p produced i let full the Simo of that Angle (viz. ad) on the Perpendicular  $p \in i$  and then if the Ke-lectic flav by English produce and to  $b_i$  for that d less  $ad_i$ (which final be the reflected Ray, because the Angle and Simo of Inneatron, as they want to be. But Angle and Simo of Inneatron, as they want to be. the Angle of Activation, and its Sine, are equat to the Angle and Sine of Interdence, as they ought to be. But if the refracted Ray be fought, produce a d to b; fo that d b may be to a d, as the Sine of the Refraction, to that of Interdence: that is, day to 4. Then with the Ra-line of Interdence. dius a c describing the Circle abe, and in the Plane acp; due a'c electring ne carete a le, and in the Flanc a ep 3 draw the Line be parallel to pp, and carting the Gircum-ference in e: Then drawing e e, That flall be the refracted Ray. For i e f be let full perpendicularly on the Line p e, in flall be the Sine of the Angle of Refraction of the Ray eps and this Sine is equal to 4 b, and confequently in propertion to the Sine of the Angle of Insidence Angle of Insidence and the Sine of the Angle of Insidence and the Sine of the Angle of Insidence Angle of Insidence and the Sine of the Angle of Insidence Angle of Ins

Variety of Incidents well conducted make the Beauty of an Heroic Poem, which ought always to take in a cer-tain number of Incidents to Suspend the Catastrophe, that would otherwise break out too foon.

INCINERATION; in Chymistry, is the Reduction of Vegetables into Ashes; which is done by burning them gently. Thus Fern is reduced into Ashes for the making The Word is derived from the Latin Prepofi

of Gifa. The Word is derived from the asset a sys-tem in, and Gin, Andre, it underflowed of feveral Teeth, INGBV E, in Ansurom, it underflowed of feveral Teeth, INGBV E, in Ansurom, it is a few and in the con-tinuation of the control of the con-tinuation of the control of the con-tinuation of the control of the con-trol of the control of the control of the state of the control of the control of the arc flower and flaspre than the others, and are inferred into thick Andre by a fingle Rose or Pennaj for which are flower and flaspre than the other, and are inferred into thick Andre by a fingle Rose or Pennaj for which the control of the control of the control of the They are called angles, because their Ottes in the offi-liar than the control of the control of the con-lineit the Man. The first proper Market of the appear Lip has 160 the Epitheese of angles, because in the six Origin Teach is necessity sixtes, and is inferred into the upper Lip, which is ferred to draw up. The maxillary Bosco hate Cart turned Origins, with which are called one-pion, as a Jeens), hence it juice, and is inferred into the upper Lip, which it ferves to draw up. The maxillary Bloocs have four internal Orifices, two whereof are called medies, as being directly under the meigher Teeth. INCLINATION, a Term ufed in Medicine and Chy-miltry, when a clear Liquor is poured off from fome Fie-ces, or Sediment, by only gently flooping the Veffel i which is all ocalled Decunations.

INCLIANTION, in Playfic, expressos the mutual Approach or Tendency of two Budies, Lines, or Planes rowards one anothers is that their Directions make either a strait Line at the Point of Contact, or an Angle of a

greater or lefter Magnitude. What the Angle of Inclina-tion figorities in Opticks, fee in Angle of Incidence. The Inclination of two Planes is the acute Angle made by two Indiminis of two Flaces in the control of control of the control o sonal Lios, whereou erech a Porjendicular, and apply your Square to that Perpedicular's and if the Planmer falls pentiled to the face of the Squares, then that is affor Planmer falls are parallel to the die of the Squares, then that is afford the Squares, the state of the Square, then the state of the Square, then turn your Square, notil it does, and thou an informant Laos, on which recel a Perpendicular, to which apply your class, on which recel a Perpendicular, to which apply your state of the Squares, that is, the Angle of the Indiantes of the Plane. Inclinations of the Squares, that is, the Angle of the Indiantes of the Plane. Inclinations of Rey in Despitele, is the Angle which this Ray makes Ray in Despitele, is the Angle which this Ray makes Plane Squares and the S Point where it meets the fecond Medium. Inclination a Right Line to the Plane is the acute Angle, which this Right Line makes with another Right Line drawn in the Plane thro the Point where the inclined Line interfects it, Place turo the Point where the inclined Line interlects in and rhro the Point, where it is also cut by a Perpendicular drawn from any Point of the inclined Lines. Inclination of the Hances of the Orbits of the Planet to the Plane of the Ediptick, are thus. Starm's Orbit makes an Angle of a Degrees so Minutes. Implies a Degree and the Mari's little left hand Degrees. Femul's as y Degrees.

and § Morr's little left than a Degrees. Feart's is § De-grees and §. Morry's is almost / Degrees.

INCLNED PLANE. Befides what has been fail under Defeared thesay Bodies upon insideal Flanes, in super Defeared the leavy Bodies upon insideal Flanes, in special participation of the property of the property by the inclined Flane AC, and purely party in pro-senting on a Direction parallel in the Plane AC; then the Power R: is to the Body, or Weight B: 1 as the Sine of the Angle of the Planes Inclination AC B: is to the Re-dius CA. CD, AD, GF ED, and HF, being drawn, as in the Figure yet he holdy B will be follated, as is



ere, by three Forces, or Powers, all acting according to were, by three rocces, or rowers, an acting according to different Directions, and in Equilibrio one to another. The first of which is the Force of Gravity, expressed by B E perpendicular to the Horizon C D. The fecond the Power R, according to the Direction B R parallel to the Planc A C. And the third is supplied by the Refissions of the Planc A C. Plane A.C. And the third is supplied by the Resistance or Contraintence of the Plane A.C.; and is expressed by B.H. perpendicular thereunto. For Action and Re-action D It perpendicinar thereunto. For Action and Re-action being equal, and one acting directly contrary to the others the Plane which is prefited by the Body or Weight B, according to the Direction of the Perpendicular H, B, must act on that Body by a contrary Direction, suc that of F B or B H. And force the C. and act on the Body by a coursey like Gio, we that of FB or BH. And fince theft here Power are all unusually in Equilibrio, and that the Body B is fulfation of the Body B is a series of the Body B Esces

Place's Inclination, so the Radius. From hence allo it is isolators, the Inclination of the Place may be fo little, that the general Weight may be fullissed on it by the that the general Weight may be fullissed on it by the any Redy to W, and I'the Power wanted to fulfain it on any Redy to W, and I'the Power wanted to fulfain it on an industral Place. By this Theorem, It W it's End. I, Fy that is, As Radius is no the Weight it fo is the Sine of the Angle of the Plane's Inclination to the Horizon to the Power Sought. The three first of which are given, INCOGNITO, a Term broughed liberal for-

INCOGNITO, a Term borrow'd literally from the Balian, ufed when a Person is in any Place where he would not be known. It is particularly applied to Princes or Great Men, who cater Towns or walk the Streets without cir ordinary Train, or the ufual Marks of their Diffine-on. The Grandees in Italy make a common Cuftom of

tion. The Grandees in Italy make a common Cutton or walking the Street increases and always take it amili, on fuch Occasions, when People pay their Compliments to them. Tis not barely to prevent their being known, that they take their Mealures, but because they would not be treated with Ceremony, soor receive the Honours due to their Rank. When the Horfes in Princes, Cardinals, and Ambalishors Coaches have no Tatles, which they and Ambandara Concress have no rates, which they call Bandinelle, are drawn, they are judged to be integnite; and no body that meets them is obliged to flop or make his Honours notes them is doinged to not or make his recommendation. The Cardinals allo, when they would be incognite, leave off the red Hat or Caloute.

so them. The Cardinals allo, when they weam to emagmin, learned fire of Hair or Calcus or
The CAMINETILLY, that which means be burnt or
The CAMINETILLY, that which means be lower to
The CAMINETILLY, that which means be come to
the company of the company of the company of the
property of the company of the company of the
property of the company of the company of the
property of the company of the company of the
property of the company of the company of the
property of the company of the company of the
property of the
proper

tions and Subfiractions of equal Parts, there will always remain fome Part, by which the one is greater than the other. And in general, two Quantities are faid to be inother. And in general, two Quantities are laid to be in-commensionable, when no third Quantity can be found that will exactly measure them both; or when those Quan-tities are not to one another as Number to Number, or cannot be expressed by Numbers. For every thing that may be expressed by Number, is commensionable. The Side of a Square is incommensionable to the Diagonal, as is demonstrated by Euclid; but it is commensurable in Pow er: the Square of the Diagonal being equal to twice the Square of the Side. Pappus, lib. 4, prob. 17. Speaks also of incommensurable Angles. As to Surfaces which cannot be measured by a common Surface, they are faid to be incommen arable in Power.

INCOMPATIBLE, that which cannot fabfift with another without destroying it. Thus Cold and Heat are incompatible in the same Subject; the strongest overcomes

the weaken.

INCOMPOSITE NUMBERS, are the fame with those Zends calls Prime Numbers. In Dr. Pe's Edition of the Zends calls Prime Numbers. In Dr. Pe's Edition of Dr. Peters: It defon to colley free an orderly Emmeration of all odd Numbers which are not compelying the prime and incompanion of the Prime and incompanion of the Prime and the Prime and the Prime and Prime and Prime and Prime and Prime and Conference and Prime and Prime and Conference and Prime and Prime and Conference and Prime a

INCORPORATION, is the mixing of the Particles of different Bodies to together, as to make an uniform Sab-tiance or Composition of the whole, without leaving a peffibility of differentiag the Ingredients, or Bodies mixed in any of their particular Qualities. From in and Corpus

Body.

The CORTOREAL, a fprimal Subflance; that has no Body. That the Soul of Man is seep-read, and maryful-fill independent of the Body. The file lates which are independent of Bodies, can seither be corpored themselves, now be received within a corporated Subject. They discover to us the Nature of the Soul, which receives within very to the subject, and receives it in a corporate Manager of the Soul, which receives within the subject of the subject o

INCORRUPTIBLE, that which cannot corrupt. Thus fpiritual Subflances, as Angels, Human Souls, &c. and thus also Glass, Salt, Mercury, &c. may be called incor-

ruptible.
INCORRUPTIBLES, is the Name of a Soft that forung out of the Entychans. Their diftinguishing Tenet

was, That the Body of Jefus Christ was incorrepible; by which they meant, that after and from the Time wherein he was formed in the Womb of his holy Mother, he was r fusceptible of any Change or Alteration; not even of any natural and innocent Passions, as of Hunger, Third, Sc. So that he ear withour any occasion, as well as after his Refurrection. And hence it was that they took their Nan

INCRASSATING, is the rendering Fluids thicker than before, by the Mixture of lefs fluid Particles. See

Againmante, Thomas of the Againman and Architecture, confiring of hard polith 3 Souce, or other brilliam Marter dippled in Compartments in the Body of a Bailding. The Intersplainer in the Cattle at Madrid are of Potters Work: Thole in the Lower of Marble. We fay its an Intersplainer of Stone or Marble, when a Wall is lined with them. The Amelian call of the Patters benefations.

INCRUSTED COLUMN, is a Colorate confishing of feveral Pieces or Gender Branches of firme precious Marble, masticated or cemented around a Mould of Brick, ble, matiticated or cemented around a Mould of Brick, or other Matter; which is done, not only re fave the precious Stone, whether it be Agat, Jafper, or the like, but also for the fake of fleewing Fieces of it of uncommon Largenetis, by the Neatnets and Closeness of the Internsplation, which renders the Joints imperceptible, where the Mattic is of the Intern Colour.

new, which renders the Joins simperceptible, where the INCUBATION, the Akine of a Here, or any other Fowl, harching their Egys.

NUCLIES, or the New York of the New York of a IVIE TOWN, the Akine of the New York of the New

per, or one that ruftes on a Perion.

INCUMBENT, in Law, is a Clerk resident in his Benefice with Care, who is called Incus tent of that Church, because he ought to bend his whole Study to discharge his

INCURVATION, is the bending a Bone, or any other Body from its natural Shape. For Incurvation of the Rays of Light, fee Light and Refrailion. From in and

Rays or Light, lee Lego and registration of the correst, crooked.
INCUS. See Ear.
INDEFEISIBLE, in our Law, figuifies what cannot be defeared or made void: As a good and indefeifible E. flate.

INDEFINITE, indeterminate, that which has no cer-ain Bounds, or to which the Human Mind cannot con-cive any. Defeates uses this Word, in his Philosophy, ceive any. ceive any. Defearer ufes this word, in me tamoupory, influed of infinite, both in Numbers and Quantities, to figuify an inconceivable Number, or Number fo great, that an Unit cannot be added to its and a Quantity for mean as not in be capable of any Addition. Thus he that an Unit cannot be added to it: and a Quantity lo great, as not no be capable of any, Addition. Thus he lays, Surs, vifible and invifible, are in Number indefinite, and not as the Anienns held, infinite; and that Quantities may be divided into an indefinite Number of Parts, not an infinite Number. Indefinite is formetimes used in not an iofinite Number. Indefinite is fometimes used in the Schools to fignify fomething that has but one Extreme 4 as for initiance, a Line drawn from any Point, and extended infinitely. Thus what they call Eternity a parte past, are indefinite Dura-

tions.

Grammar, is understood of Noan, Pronoun, Verba, Protipplen, Articles, St., chas are left and
noun, Verba, Protipplen, Articles, St., chas are left an
uncerasis indeterminate Seafic, and not facil to any particular Time. This go, or other Gitcenstifiance.

INDELIBLE, that which cannot be blotted out, or efficed. Than, Sapprim, and the Order of the Prictition
are installed. Characters. The Word is form'd from the
Lint sider, to blor, with the Preposition in rates megation sider.

INDEMNITY, an Act by which one promifes to gua-range or fave harmless fome other Person from any Loss rance or fave harmlets fome other Perfon from any Lois or Damage that might accrue to him on any particular ac-count. From the Negative is and Disserses, Lofs. INDEMNITIES. When a Church is appropriated to an Abbey or College, then the Arch-Deacon lofeth him in-

duction-Monty for ever: In recompence whereof, he fhall have yearly out of the Church fo appropriate, one or two Shillings, more or left, for a Penfion, as was agreed at mime of the appropriating. And this Penfion is call'd an Indemnity.

INDENTED, is a Term in Heraldry, when the Oat-Line of a Bordure, Ordina-ary, &c. is in the Form of the Teeth of a Saw. Thas INDENTURE, in Law, is a Writing comprising fome Contract between two at leath; being indented at top an-

Contract between two at least; being indented at top an-inversible to finme other, which likewise containents the fame Contract. It differs from a Deed-Foll; in that this latt is a fingle Deed, and it unindented. INDEPENDENTS. The Name of a Religious Seef in England in Holland. They are fo call'd, as denying not

INDEFENDENTS. The Name of a Religious Section Longitude in the Section of the Manne of the Section of the Secti

Out of the later Seet (left 'rechtylering), said rines one Sect, that are not all yearfu to the Manusch, but he Manusch, but h

INDEPENDENTISM is peculiar to Great Britain, the INDEPENDENTISM is peculiar to Great Britain, the British Colonies, and the United Provinces. One Morel in the 16th Century endeavour'd to introduce it into France, but it was condemn'd at the Synod of Rockel, where Ex-predied, and again at the Synod of Rockel in 1644.

prehede, and agins at the Synde of Resear is 1644.
INDETERMINATE, in Geometry, is underhold ofnite Bounday, fee fastform, and indetermine Problem is
nite Bounday, fee fastform, An indetermine Problem is
not a many feer may be various Solutions. For inflaces, if a Number is required that may be a Multiple of 4 and 53 the Anfere may be 10, 40, 66, £6. to
laffity. Mr. Frefter calls an indetermine Analysis, that
which admits of an infinite Number of different Soluwhich admits of an infinite Number of different Solu-

TINDEX, the Fore-Finger, from indies, to point or di-tift; because that Finger is generally so used. Hence the the Extensor Indies is call'd Indicator. The Greeks also the Estenger Indian is call'd Indicator. The Greeke call it argaén, Liekery is finger being us'd no be dij'd in Sauces, Es. in order to tafte 'em; afret which 'its u-faully liek'd or, as others will have it, becase the Norse fes ute it to take up the Food wherewith they feed their Infames; first licking it, to tafte whether or not it be hot.

Index, in Arithmetic, is the fame with what is some times call'd the Characteristic, or Exponent of a Loga-

rithm; and fliews always of how many Places the abfor friam's and strews aways of now many fraces the coto-lere Number belonging to the Logarithm doth conflit, and of what nature it is, that is, whether an lateger or a Fraction: Thus, in this Logarithm as ratiogs, the Num-ber flanding on the Left-hand of the Point is called the ber flagding on the Lett-hand of the Fourt is called the Index; and because it is, s, flueny sou that the abbolium Number answering to it, confile of 5 places; for it is always one more than the Index, because the Index of 1 is 05 of 10 is 15 and of 100 is 2, 3C. As in this Exam-

TN

Numbers are Induce to the lower. And therefore in these final! Tables of piral to the lower, and therefore in these omitted, it must be sold to the lower. Where the Induce is omitted, it must be sold to the lower to the lower to the best best a Fraction, then the Induce of the Logarithm that has aggrire sign, and it must. Index or one Logaritan manus registre origin, and a marge of this, a 5/46-9/3 which flows the corresponding Number to be a Decimal Facilities of three Flaces, rise, 1-5/5, Mr. Tromby bath a peculiar way of noting thefe Indexes, when they experie Fractions, and it is now much in afe, six, by taking, inflicted of the true Index, it a Arithmetical Complement to 103 and therefore he would write the Logapicment to 103 and necessor no would write the Loga-rishm now mention'd, thus, 8, 562195. How they are added and fubfitzeled, fee in Addition and Sulfrindism. Index of a Colde, is a little Stile fixed on to the North-Pole, and tarning round with it, pointing to certain Divi-fions in the Hour-Circle. It is fornetimes also call'd One-

mon. See Globe.

men. Sec Globe.

Jinks, or Judie: At Rose there is a Congregation that goes by this Norwe, who Shuffert is to examine Books, see the Norwe who Shuffert is to examine Books, and the Cilling of the Shuffert is to examine Books, and the Cilling of the Shuffert is the Shuffert of the Shuffert is the Shuffert of the Shuffert is the difference, that from are condermed properly and shiftened by the Shuffert of the Shu an Index to be printed of the Books condemned by the la-quition of Spons. Prog Faul'IV. to the being, and in 1355 order? she Congregation of the Ibity Office at Rome to print a fectod. Faw V. recommended the Matter to the Progressian of the Ibity Office at Rome to the Dake of sine procured among condens. After this, the Dake of sine procured among the printed as very position, and the procured among the Printed as very position conce, all'd by the Namo of the Romes. There were two others published in 1953 and 161, by the California was only an expense of the Congressian of the Printed as very and Matter than the Congressian of the Printed and Matter hardward and the Congressian of the Printed Romes and Matter than the Congressian of the Printed Romes and Matter than the Congressian of the Printed Romes and Matter than the Congressian of the Printed Romes and Matter than the Congressian of the Printed Romes and Matter than the Congressian of the Printed Romes and Matter than the Congressian of the Printed Romes and the and Ministry or the Source Faince. And most connecra-ble of all the Indices is that of Summajor, which was made by all the States fubject to the King of Spain, and com-prehends all the others; coming down as low as the Year 1667.

Year 1657.

INDIAN WOOD, call'd alfo "Immaire and Campede Plack, it ackes our of the Heart of a large Tree growing was a large tree growing. The property of t

would become black as lab is note fame fusee of Time.
INDICATION, a Sign didocreting or positing our
INDICATION, a Sign didocreting or positing out
Word to
Head to be supported to the support of the support
Inguiry the Invention of a Remedy pass as the Word to
Inguiry the Invention of a Remedy pass as the support
Intended to the Invention of the Invention of Invention of Invention
Intended to the Invention of Invention of Invention
Intended Invention of Invention of Invention
Indication control of Input and Invention
Indication of Input and Invention of Indication
Intended Invention of Input Invention
Intended Invention of Input Invention
Intended Invention of Input Invention
Intended Invention Intended Invention
Intended Invention Intended Intended
Intended Invention Intended
Intende

INDICATIVE, in Grammar, is the first Mode or Man-ner of Conjugating Verba, shewing either the Time pre-fent, past, or future. I love, is the prefent Tenfe; I loved, the past; and I will leve, the future of the Indicative Mode.

ties Mode.

INDICATOR, in Anatomy, a Mafele of the Index, or fecond Finger following the Thumb. The Indicates are fecond Finger following the Thumb. The Indicates are fecond for the Indicate and Indicate and Indicate and Indicate and Indicate Ind

INDICTION fignifies the Convocation of an Ecclefia- the fame thing in Latin with the Hebrew YU, Schuldell, flical Aflembly, as of a Synod or Council, and even a Det. The word is also used of the several Sessions of the same Councils. And hence it is, that at the cod of the Seffions of the Council of Trent, the Decree by which the Council appoints the Day of the future Seffion, is called the Indition of that Scilion

By Roman Indians is meant an Epoche, or Manner of accounting Time ufed by the Romani, containing a Cycle or Revolution of fifteen Years, which when expired it returnate Unity again. This Method of Computation has no Dependance on the heavenly Morions. Persian Iny, there is nothing in Chronology, left known than its Romania. there is nothing in Corondopy (eff. howe, than the Resist Intellies) is because, than in Origin and Commencement. "Is the general Opision it was instituted in the time of Conjunion, but this is a mere Corol. There were is, conjunion, but this is a mere Corol. There were is, from the Theodoffen Code. The Learned India this the Indibition were no more than certain assual Tasca, the Tair whereof was published every Year: but why they were for sulled, why confined to a Cycle of Efferto Tara, when even what Occasion, inflienced, is not known. We have come what Occasion, inflienced, is not known. We are also that the Corol of the Corol of the Corol of the publishes of Confinements. Declining on the Colleged of find three kinds of Indidum mentioned in Authors; the Indidum of Cingliamagis, Despining on the Calcods of Spranders; the Imperial or Cofront Indidum, on the sath of Spranders; and the Remain Indidum, on the sath of Spranders; and the Remain Indidum, the Cingliamage, The Topichava dead their Act by the Care of Indiduc-cer funce Challemage, much them Sovereigs is before which time they duted them by the Pears of the Emperor. At the time of the Reformation of the Calcodar in 155, """ in the Calcodar in the Calcodar in 155, """ in the Calcodar in 155, "" in the Calcodar in 155, """ in the Calcodar in 155, "" in the Calcodar in 155, """ in the Calcodar in 155, """ in the Calcodar in 155, "" ginning to reckon hence, and dividing the Number of Years clapfed between that time and this by 15, the Rex cars capson between that time and this by 15, the Re-minder will be the Xear of Indiline, circlefonding to the prefent Year of our Lord 1712. viz. 15. This may allo be found by adding 3 to the Year of our Lord, and di-diriding the Sum by 15. The word Indiline comes from Indiline, which fignifies Bibbilliment, Ceder, or Desus-ciation. The Time of the Indiline among the Remark, was that wherein the People were fummoned to pay a cer-was that wherein the People were fummoned to pay a cerwas not waterin the Propie were luminosed to pay a certain Tribute 3 and "tis for this Reafon that the Imperial Jadillies began towards the end of deptember, because the
Harreft beingthen got in, it was frappoole the People could
easily pay their Tribute.
INDICTIVE, an Epithet given to certain Feasi-Days
appointed by the Roman Magistrates, we, the Conful or
Present. See Ferine.

appointed by the feature Magnitutes, we, the Coofiel or INDICTIMENT, or ENDITEMENT, in our common law, fundicious much as Association and the Cristian Magnitude of the Cristian Common law, fundicious much as Association and the Cristian Common law, fundicious man conference of the Commonwealth, exhibited as an Accudition of one for from Civita, order to remark up read, any law, for the Commonwealth, exhibited as an Accudition of one for from Civita, either civitation of pread, and pread to the Commonwealth, exhibited as an Accudition of pread, and pread to the Commonwealth of the Commonwealth, exhibited as an Accudition of France (Incircument the San Accudition) because the form of the Commonwealth of the Commonwealt

INDIGESTION, a want of Digeffion. In the System of Trituration, Indigestion, which is a Crudity, may be very naturally accounted for, from the Relaxation of the Fibres of the Stomach. A bilious Indigestion, in the Opinion of of the Stomach. A billion Indepthin, in the Opinion of Hospita, agreat Advenct for Titunation, is ordinated much foce in the Stomach, too much Vivedivit and of ciliation, which figal the Dispellion, by recommended the Commission imperfect. But this is heady latinification, the it fload focus that Dispellion would be the more particle, in proportion as the Force of the Stomach increased. See

Digition.

NINICETES, a Name which the American gave to their Galleria for firm. There we have their Galleria for firm. The content of the co

There of the first Opinion maintain, that the Gods were so called by datephrasis, because they wanted nothing; the word coming from the Verb indiges, I want. If this were true, the word Indigetes would fignify nearly

the fame thing in Latin with the Hebrer WIQ, Scholds, which the Scruper frequently gives so God, as figuri-lying, that he is bifurent for himself, and needs so-leng the second second second second second second second integrate, as any invoke is the lang helfe God who were no-dinarily invoked, and who lent the readed Ear to time Vowe that were made them. To this purpose they circ Nauericine, who also the word integrates in that Scotl, rela-ting the second second second second second second second for the second second second second second second second for the second second second second second second second for the second seco ling us the Veillat multer hear investment than, "pain Fra-final - Fight Fran Hear III Fight in minglaims, "pain Measter fram - Fight Fran Hear III Fight in minglaims, "pain Measter for the Francisco of the Francisco of the Francisco of the Part of the Francisco of the Francisco of the Francisco of select April 1997, "In the Francisco of the Francisco of the deep April 1997, "In the Francisco of the Francisco of the London, The Francisco of the Francisco of the Francisco of the Code, Juli Francisco, "Tripidal Code, which is the first the first code wave, in effect, Local Gods, being effected the Protection of their Places above they were defined to for the Francisco of the Francisco of the Francisco of the Francisco of the Code, Juli Francisco of the Francisco of the Francisco of the Francisco of the Code wave, in effect, Local Gods, being effected to for the Francisco of the Code of the Francisco of the Franc

doed wore, in effect, Local Gold, being eilbereach the doed wore, in effect, Local Gold, being eilbereach that the forced and that Oppoint or very description. Cy) First John Emri with hadgers, as being the famo when the Boson again the Nature Robert Period, Phone Control Cylin Period and the Color of Dally and at Award Cylin Period and Cylin Period and Cylin Period. The true of the Cylin Period and the Color of Dally and at Award Cylin Period and Cylin Period C

and whom it is well feetled, they pour off the Water. Af-er this they knot on the India, and part is not little Li-eac Bays, and let it drains i this done, they part is not not also and the state of the India and the India Court is not fleet, and the India and India. There are feveral kinds of India's the belt is that called draying, from the Nameo of a Village where the prepared. We chuff it in fair Fleet, of a modernue thick-ness, perceived, clean, light consider to vition in the Water of the India and India. The India and India on the India with String Water and appearing redding the Name of the India. when rubbed on the Nail.

nation in the control of the control

In the Firsts Malabariese is an Account of the Plant whence Indege is drawn: The Decoction of whote Root is

In the stress statement is not Account or the rasts. In the stress statement is not Account of the Residual Res the laft.

D A- Every thing that promotes Salvation is advanta R J- There are Afflictions which promote Salvation ;

1. Therefore there are Afflictions which are advan-

D A- Every thing that promotes Salvation is advanta

B 1- There are Afflictions which promote Salvation ;

T18. Therefore fome things promoting Salvation are Affiliations, or affiliating.

INDIVIDUAL, or INDIVIDUUM, in Logic, is a par-ticular Being of any Species, or that which can't be divided into two or more Beings, equal or alike. The ufu-al Division in Logic is made into Genera, or Genur's, those Genera into Species, and those Species into Indevi-duals. The Schoolmen make a fourfold Dillinction of Indash. The Schedimen make a fourful Dilinelities of In-diatidari (1) Indiamona Fague, it has which their ingin-fici but one thing, yet may be any of that had a swinn in the state of the property of the property of the their property of the property of the property of the that appears to the contary, may be any body. (1) In-diamonal property of the property of the property of the state of the property of the property of the property of that appears to the contary, may be any body. (1) Indiamonal Computations, in when four demonstrates from an is self on the Experiment of called Spranse. (3) Indiamona Dismonstrations, in when four demonstration from an interest in Anne or Term is re-eliated, by the Supportion, to a prorulest rising a su-whenever the property of the property of the pro-served of the property of the property of the pro-served of the property of the property of the pro-served of the property of the property of the pro-teed of the property of the property of the pro-teed of the property of the property of the pro-teed of the property of the property of the pro-teed of the property of the property of the pro-teed of the property of the property of the pro-teed of the property of the property of the pro-teed of the property of the property of the property of the pro-teed of the property of the property of the property of the pro-teed of the property of the property of the property of the pro-teed of the property of the property of the property of the pro-teed of the property of the

INDIVISIBLES, in Geometry, are understood of such Elements or Principles, as any Body or Figure may ulti-mately be resolved into 5 and these Elements, or Indusmately berefelved nios 3 and thefe Elements, or Intel-Bibles are, in each possible Figure, Suppleed to be inflored as the conflict of the second regions, Suppleed to the single second regions, and a Solid of parallel and finniar surfaces 3 and the observation of special latter, and a Solid of parallel and finniar surfaces; and the observation of the second results of the second region rallel to the Base, but decreasing in Arithmetical Propor-tion; and so are the Circles, which constitute the Parabolie Conoid, and those which constitute the Plane of a Cirlic Concid, and these which continue the Plane of a Circle, or the Garden or in Infected Sons. A Cylinder may the first of the property of the Circle of the Medical Circle of the Medical Circle of the Bafe do, on which they find. This Method of IndepMids is only the autient Method of Excellent of IndepMids is only the autient Method of Excellent Circle of the Method of IndepMids is only the autient Method of Excellent Circle in the Hoering of Madhematical Demonstrations. Of which take the following findings of Methods and Circle of the Circle of the Methods of Architectory, That a findings in the Methods of Architectory, That a method is the Methods of Architectory, That a method is the Method of Architectory of Architectory and Method of Architectory Sphere is two Thirds of a Cylinder circumferibing it. For suppose (as in the Figure) a Cylinder, Hemisphere, and an inverted Cone to have the same Base and Altitude, and



the Rails, all he Circles of the Henrifphere will be equal to all thois of the Copilands, doubling theme all thois of the Cone: wherefore the Cylinder, doubling the Cone; is equal to the Henrifphere is the it is known, that the Henriff of the Hen

Proposition (which, however, is understood) as in the Es-trivaneme, and abounds in Allamptions (which yet are collareral, or of the fame degree) which is the Cafe in a Gudatian. Thus, formulated itself, except Against and the collareral and the collareral and and all the collareral and the collar rious Aflumptions, from the more general Species of the Animal Kind collected into one, which this Proposition is

Asimus Rad coulcited into one, which the Possician English of preceding a control, exist every attention to the Proposition of the Providence of Abrildon Control, which coulded one gather from general Proposition of the Providence of Abrildon of the Providence of Abrildon of the Proposition of the from lome Example or Authority. This is a very imper-fect Industry, all its Force lying in a Proposition which is concealed, and which will hardly bear being expected. Thus he that fays, Carist died bravely for his Country, therefore I must die bravely for my Country, proves no-thing, unlefs this Proposition be carried in mind, that I thing, union this Proputtion be carried in mind, that it must do the farm with 'daw's. Again, 'drehmedr, and the ether Mathematicians fay, the San is much bigger than the Earth's therefore it must be owned the San is much bigger than the Earth. Where the Propulsion is underflood, viz. whatever declineds and the other Mathemati-

Whatever recomment and the other mathematicians by is true.

INDUCTION, is the Emplify Cultons, is ufually taken for the giving Podelfion as an Incambent of his Church, by leading him into it, and delivering him the Kearth of Committee on Birtheal. Cauren, by feature, own mone is, and delivering him the Keys by the Commission or Bishop's Deputy, and by his ringing encof the Bells. When a Clerk is instituted into a Benefice, he is to exhibite his Mandate from the Bishop to the Arch-Deacon, or other Person to whom it is di-rected, and hath a Right thereby to be inducted into his Living; and if he be refused Industries, he hash a Reme-dy both in the Ecclessastical Court, and also an Action of Limig is and if he be refield Indutine, he havis a Reme-yle both in the Cestalitation, and as if an affilips of the both in the Cestalitation of the property of the property of the control of the property of the control of the Indutine, or Perint to be insufficed, he kept out of the Charther of height by Layrous, the Wir dee U. Sais lies of the Charther of the County, to remove the Force, [65]. If some supplier Clearyman, preferred by the fame Datron, kept the Sheriff of the County, to remove the Force, [65]. If some supplier Clearyman, preferred by the fame Datron, kept the Chart of the County, Gr. fault be fougational, till the higher the centering. The fact help become preferred to the higher the centering. The fact help because the pro-tant coal Gerlas and Lectured Perform within the Arch-Dectory, Imposure may of the true of the Intil Red. Decemps and the County, which must be then in the chair to take the Clerk by the Hand, and then to lay it on the Key of the Cource, which must be then in the von into the real, advant, and copperal Indiction of the Needley of Wastange of ——, with all its Frings, Profits when the Chart is the County of the Chart of the the Does, and part the Clerk in preference of the Charth, and thus the Does upon him is the mire the hard all clerk and the consideration of the Arch-Decemb Warrane, and that all preference will fingingly in use

ductor to indorfe a Certificate of his Indorms on the Actu-Decem's Warrar, and that all profess will figurily it an-der their Hands. If the Charch-Key cannot be had, indifficient that the Clerk lays held of the Rigo of the Door, and within the time limited read the Common Prayer, and Thirty-sine Articles of the Church in the Charch-Porch. Within two Months after this, the Clark Section of the Charch-Porch and the Charch-Porch within two Months after this, the Clark Does, and within the time limited read the Communi-Proyer, and Thirywoon Articles of the Clauch in the Proyer, and Thirywoon Articles of the Clauch in the much read the Thirty wine Articles, and all the Service of the Day, book it Aheming and Evening Prayers, and de-claue his Alfour and Conferrs; he must also these read claus has Alfour and Conferrs; he must also these read to the Conferration of the Conferration of the Conferration, and the conferration of the Conferration of the Conferration of the Conferration Conf

grants Bulls of plenary Indulvence to feveral Churches,

principal Feaths of a Year. Their Cafuits fay, that a plenary Insulgence does not always prove effectual, for want of complying with the Conditions whereon it was granted.

granted.

Indulgence, Indult, or Indulto, fignifies also a special Favoar or Privilege, conferred either on a Community, or a
particular Person, by the Pope's Bulls, in virtue whereof
he is literated to do or obtain fomething contray to
the Intention and Diffosition of the common Lawa.

There are evo kinds of Indulte's the one active, which These are two kinds of mother's the one active, whele conditis is a Power of nominating and perfecting freely, and without referve, to Benefices that are otherwife lively of the condition of th seedam, or comining them, Etc. Inshin of Parliament is Right or Pirtige granted to the Chancellar, Pref. Editors, Connellous, and other Officers in the Farliaments, root obtains a Reschie of the Collator, you the King's No-Pirtuneage belonging to the Feeda King, the Inshin being a Mandatee of Excess, by which he is permitted to name to any Collator the pleafer, a Connellor, or other Officer of Parliament, on whom the Collissor full the obliged to believe a Breedice: So that the Right of the Institute of the Collision of the Collision of the Inship Collision of the Collision of

rences radically in the King, the Officers being only the Objects thereof. See Dijectiation.

INDURATING, a Term applied to fuch Things as give a harder or firmer Confiltence to others, by a greater Solidity of their Parisles.

give s haderer friere Confiltece to others, by a greater Solidity of their Particle, or as alfings the thinner Part of any Mater, for any lever the Remainder harder. Thus and fold Particle, as in Schri and hours Woellings, or the present of by transfering the thomer Parts they the Shin, whereby the state of the present fecond Animal must be pitched on, and the Experiment repeated. Some tell us, that the Blood of the Patient well putrefied or fermented, does the Business better than anyother Part. The word is derived from the priva-

tive Preposition in, and efea, food.

INESCUTCHEON, in Heraldry, fignifies all the Efestablems containing & of the Field, and is borne within it, as an Ordinary. Thus, 'its faid, he beareth Ermin, an Inclentairess Gules. This is also fornetimes called an \*\*\*\*

Gules. This is also forectimes called an Inefentation of Pretence, which is borne when a Man marries an Heirel's; for then he bears her Coat of Arms on an

then he bears het Coat of Afriss on an Infositebox, or Elasakon of Percence, Infosition or Elasakon of Percence, In ESSE, Authors make this Difference between a thing in 169, and a sting in 1967; a thing that is not, but may be, they fay is in 160, or percents a but a thing apparent and visible, they fay is in 160, that is, has a real Esting is infosit, whereas the other is called, had at held but a Possibility

INFALIBLE, that which cannot deceive, or be de-ceived. Upon this Term flands one of the principal Heads of Controverfy between the Reformed and the Hedds of Controverly between the Ketorined and the Catholicks. The latter of whom maintain, that the Church, affembled in General Gound; is infaithfy, which the former deny. The principal Reafons they give for the Infaithfity, and always from the Obfourity of the Scripures, the fufficiency of private Judgment, and the Necestity there isn't form infaithful Judge for the De-Glass of Controverly. The Infaithful of the Pope is a Calling of Controverly. The Infaithful of the Pope is a the Necessity there have some improves a project with cifeson of Cantroverly. The infability of the Pepe in a DelPrice of a lare Handlag, and not entirely acquicited in even in their own Communion. Do Pray, a Delete of the Sedeme, has written against it, and the late Betaviour of conditions of the proper infability, and the late Betaviour of the proper infability, and the proper lighthy as, the condicil by a condition of the Pepe 2 infability is reduced, flicew to how low an Ebb the Pepe 2 infability is reduced.

tion is, taken privatively, and falls, I decerte.

INFAMOUS, in the ordinary Use of the Word, figni-INVAMOUS, in the ordinary Use of the word, against something noteriously cantrary to Virus or Honour. Malas Gellian after the words Inflames Materias, for what we ordinarily call Paradoses, i. e. Disconfes remote from the common Opinion's Propositions that appear apposite to Truth, Ele. as the Elogy of Therfites; the Praise of a Course Acoustic.

Truth, \$E^\*\$ as the Elegy of Theyfire; I the Fisik of a Quartan Appe, \$E^\*\$ as fomething void of Honour, that how no Repute or Election in the World. There are two two many the truth of the Honour at the as thefe who have been netted by the Lune, or figura-tined by public; Jougenness; Oters are originass in Fall, de Fisiks, as thefe who exercise from Gandalous Profession, as a thories who exercise from Gandalous Profession, are a Catchpole, a Merry Andrew, a Hungman, as inter-mer, \$G^\*\$. Heremfore there were Corons of Inform pieces are also also also also an exercise of the second World. The world refiness is designed from the Latins, in all Woold. The world refiness is designed from the Latins, in all world. Wooll. The word infamous is derived from the Latin, in,

Wood. I the worn symmets a correct from use assume, me,
INPAN'S, up Main or Worman under the Age of one
and oreasty Years is an Infant in Law. An Infant eight
Actest of Age, or upwards, may commit Homicide, and be
Actest of Age, or upwards, may commit Homicide, and be
Knowledge of Good and Evil, for hore Matters, Inpublic
Alterney yet Octo, on Littlene, 966, 265, 555, 765, 765, 767

Interpretation of the Actest of Section 11 and Fama, Fame, Report.

and that their Son Sanche was the first that bore it. Collide, and that their Son Soncies was the fifth that bore it. But this is contradicted by Pelagus Bifthop of Ociede, who lived in the Year 1100, and informs us, that the Titles Infame and Infanta, were used in Spain ever fince the Reign of King Eversone III.

INFANTRY, Troops, or Forces, confifting of Poot-

Soldiers.

INFATUATE, to prepofice any one in favour of a INFATUATE, to prepofice any one in favour of a because the cast catily be disbufed. The Roman called thate instanced Perinas refiness, who family the cast of the Soldiers of Soldiers of the Soldie

began to make their Predictions, or deliver Oracles. INFECTION, is the catching a Dfeste by fome Efflu-via or fine Particles, which fly off from fome differenced Bodies, and mixing with the Juices of ethers, occasion the fame Difference as in the Bedies they came from. The word comes from the Latin Verb inficere, which properly fignifies to dye of fome other Colone 3 infective, i.e. facere at ali-quel misses fit, rescenfon foundations to be mobiled. See Person. INFIDEL, a Term applied to such Persons as are not baptized, and that do not believe the Truths of the Chri-

itian Religion. "Tis Eaptifm that makes the specific Diffe-

filian Religion. Tis Begriffir shat makes the free-fice Difficulty of the rence between an Hercite and an Infinite distinging new End-gian which fraite God alone is no fine. The word is all between End, and the supplementation of the first and the first a

terminate Line, to which no certain Bounds or Limits are preferibed.

Infinite Quantity. See 2 See Quantity Infinite.

INFINITELY INFINITE FRACTIONS, a Term ufed where all the Fractions, whose Numerator is 1, are together equal to an Unit: and hence it is deduced, that there are not only infinite Progressions, or Progressions in infinitors; not only infinite Progreditions, or Progreditions in infinitions in the table infinitely farther than one kind of Infinity. That thefe infinitely infinite Progreditions are notwithfunding computable, and to be brought into one Sum; and that not only finite, but into one fo finall, are be left than any affigonly finite, but into one fo finall, acto be lefs than any affig-nable Number: That of Infinite Quantities, some are equal, others unequal; that one infinite Quantity may be equal to two, three, or more Quantities, whether infinite or finite. INFINITYE, in Grammar, is the Name of one of the Modes serving for the conjugating of Verbs. It does

the Modes ferring for the conjugating of Verbs. It does not denote any precific time, nor does it determine the Number or Perfons, but expreffes things in a loofe indefi-nite. Senfe, as to reach, Efs. In most Languages, both anticot and modern, the Infinite is diffinguished by a

Termination peculiar to it, as noting in the Greek forming in the Latane, crevin in the Farane, ferivers in the Farane, ferivers in the Jacksen, in the Eastern, ferivers in the Jacksen, See, but the English is deficilive in this point; so that conceans the Information, we are always oblighed to have recounter to the Article so, excepting formetimes when two common Fault in Language, as he offers so yet orace is switch common Fault in Language, as he offers so yet orace is switch English. Indeed, where these high-finites have no dependent

mon Fasti. in Language, as lee offers in give needs a unite and admitted the control of the cont this is our way of conceiving them, and thefe our fless of their Infinity. We come by the Idea of Infinity thus. Every one that has any idea of any flated Lengths of Syace, as a Foot, Yard, &c. finds that he can repear that Idea, and join it to another, to a third, and io on, without ever coming to an end of his Additions. From this Power of enlarging his as end of his Additions. From this Power of enlarging his Idea of Space, he takes the Idea of infinite Space, or Immensity. By the fame Power of repeating the Idea of any Length or Duratton we have in our Minds, with all the coddles Addition of Number, we come by the Idea. time confriction, the Came Income Common Artistics of any Length of Durastin we have in or Minda, with all the could's Addition of Number, we came by the Idea without the Came Income I of Numbers, to the End of whole Addition every one perceives there is no Approach, caffly appears to any one that reflects on it: Euc how clear foever this Idea of the Infinity of Numbers be, there is nothing yet more evi-dent, than the Abfurdity of the actual Idea of an infinite

Number.

INFRIMARY, a Place where the Sick belonging to any Society or Community are difficied.

any Society or Community are difficied.

BUT LabiMAR 1000, in Physic, is understood of a TruBUT LabiMAR 1000, in Physic, is understood of a TruBUT LabiMAR 1000, in Physical Community of the Community

the Blood Bowing into from Part Failer than it can run of again, fuells up, and cateles a Tenfon, with a unaufaal Seemed, Rechoft, and Heart. The immediate Casife, therefore of all Physicassies; in an overviowing of Blood Heart Community of the C Congolation of the Bicoct, or the Reinxation and Con-tution of the Fibres. Physicians have given particular Names to the Inflammation of feveral Parts. That of the Ryes is cally Opphelosius, that of the Lungs Peripressensing, and that of the Liver Repairs. The word inflammation omes from the Latin in, and Flamma, Flame.
INFLATION, a blowing up; is the flaredning or filling

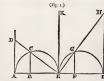
INJLATION, a blowm up v; in the trucking or effluor Shuttare. From could be flowly, with a fairful net would be flowly with a fairful net would be flowly with a fairful net would be flowly and the flow y flaccid or diffendable Body, with a flatulent or windy

Rays.
INFLECTION, in Grammat, is the Variation of Nouns and Verbs, in their feveral Cases, Tenses, and De-

Noan and Verba, in their feveral Cafes, Tenfos, and De-cleafnose. Befolius is a general Name, under which are comperbeded both the Conjugation and Decleafon. INFLECTION POINT of any Care, in Geometry, fignifies the Yout or Place where the Carre begins to been duct again a centrary way: a fer inilistace, when the contrary way is the finished of the contrary and partiy con-active Line, as A FK, is partiy concern, and partiy con-trary that the contrary way is a few inilistace, when the convex Part, and conferently in a title Beginning of the one, and R and of the other. In called the Tenra's fighting. the convex Part, and conlequently is at the Beginning of the one, and End of the other, is called the Point of highests, as long as the Carve, being continued in F, keeps its Courfe the fame, but it is called the Point of Retrogreffion, when it inflects back again towards that Part or Side,

fine, when it inficed back again counted that Fare or Sole, from whence it roth (roppinal. See Fig. 1.

Before the Theory of this holizine, and Recrospedition Particles of the Property of the holizine, and Recrospedition Planish in general Principle. Whatelever finite Quantity plain this general Principle. Whatelever finite Quantity (or if it for a Final Fare), it is all one) goes on combinally in cases change from a positive to a segmentary fraction, in all one) goes one continually in a segmentary fraction, if it dash containedly decrease, and it is equal to nothing, I if dash containedly decrease, and it is equal to nothing, I if the contained of the property of the propert any Ordinate in either of the Circles be = to x perpe-



tually. I confider now, what will be the Expressions of the Lines intercepted between E the Point of Contact of the Circles; such as are the Lines E B and E F intercep-The direct part is a see that above the part of the first part of ted between E and the Ordinates C B and G F. It is certhe Point E; in one cafe therefore it is positive, in the o-ther negative. But as the Points B or F approach to E, the Tangents DA and H lincrease continually, and at the the Tangents DA and H Increase commissions was too Point E they become infinite. Therefore a Quantity that continually increafeth, cannot pass from a positive to a negative Expersion, without being infinite. All this is universally true, whether it be a finite Quantity or a Fluxion that we consider. There is no changing from po-Fluxion that we consider. There is no changing from po-fitive to negative, without perfling thro nothing or influxe. Applying this therefore to a Fluxion, it will follow from hence, That the Fluxion of a Quantity ther experient a Maximum or a Minumum, must be equal to nothing, or to infinite. And upon this Founda-

(Fig. 2.) tion, we may now easily proceed to the Points of Infiction and Reto the Points of Infellow and Re-respection. In order to find a ge-neral Theorem to affift us in this Marca, let us confider the Carvo A F K, (Fig. 2), whofe Diameter is the right Line A B<sub>3</sub> and its Ordi-nates P M, efs parallel to one an-other. If through the Point F be 1 drawn the Ordinate Applicate E.F., together with the Tangent F.L. and from any other Point, as M on the fame fide with AF, be drawn the Ordinate Applicate MP, as likewife the Tangent MT: It is evident, (1.) In these Curves that have a Point of Infestion, that the Assista AP increases continually. F and that the Part AT of the Di-ameter, intercepted between A the Origin of the Axis, and T the Con-E Origin of the Axis, and True Con-coarfe of the Tangent and the Axis, increafeth such time as the Point P fall upon E, and after it again begins to diminish: From

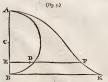
mull become the Maximum & L., when the Point F (all upon the Point E required, (a,) In those Carres that share a Point of Rerogation, it is evident that the Part AT increasith continually, and that the Affair increasith fong, till the Point T full upon L, after which it again diminifichti From whence it is clear, that AP mull become a Maximum, when the Point F falls upon L. Now if

A E be put = x, EF = y, then will AL be = y = -x

whose Fluxion, which is 5 x-y x y-x (supposing x invariable) being divided by x 5 the Fluxion of AE must become nothing or infinite; that is, -y y = nothing or

infinite : So that multiplying by y2, and dividing by -y, will be == ro nothing or infinite; which in the Seq will ferve for a general Form to find F the Point of In-flection or Retrogression. For the nature of the Curve A FK being given, the Value of y may be found in 23 and raking the Fluxion of this Value, and supposing x and taking the reason or this value, and uppoint a invariable, the Value of y will be found in x\*, which being put equal to nothing, or Infinity, ferrer in either of thele Suppositions to find fuch a Value of A.E. as that the Ordinate E.F. fall interfect the Carve A.F.K. in F. the Point of Infection or Retrogretion. Of this we shall the property of the Control of only give one Example.

Let AFK (Fig. 5.) be a protracted Semicycloid, whose



Base is longer than the Circumserence of the generating Circle ADB, whose Center is C. It is required to find

the Property of the Cycloid 5 = z + b = , and therefore

y = z + 1 : But by the Property of the Circle

z= / z = x x, confequently z = -

and  $s'(\sqrt{\dot{x}^2 + \dot{x}^2}) = \frac{c \times x}{\sqrt{2 c \times x - x}}$ : Therefore fubili-

tuting for z, and s their respective Values, we have aox-axx+bex

, and the Flaxion thereof, (fupj=e / 20 x - x x poling x invariable) is bex-aex-beexx

20x-xxx/20x-xx=0, that is, AE (x) =  $e + \frac{a \cdot e}{h}$  and CE =

it is evident, That to have F a Point of contrary Fluxion b must be greater than a; for if it be less, then C E would exceed C B. Concerning the Installation of the Rays

would execute U.B. Concerning the large-state u.B. says of Light, for Chight, for Chight.

INFLUENCE, a Quality fupposed to flow from the Bedies of the Stars, or the Effect of their Heat and Light, to which the Affrologers vainly attribute all the Light, to which the Authorogers valuey attracted at the Events that happen on the Earth. The Alchymills, who make it the Philosopher's Stene, tell us, that every thing in Nature is produced by the Inflante of the Sters, which, in their Paffage thro' the Atmosphere, inhibite many of its moil? Parts, the groffeli whereof they deposite in the Sands and Earths where they fall; shart thefe filtrating Sauds and Earths where they fall; into these filleraing throw the Peece of the Earth, defend open on the Genra, whence they are driven, by the central Fire, back again to the Sarties, and in their Ascer, by a entarel kind of no the Sarties, and in their Ascer, by a entarel kind of the Ascer, by a entarel kind of the sauds of the Ascer and the Ascer a

is its influent Juice, and so is the Bile to the Gall-Bladder, and Venal-Blood to the Heart in its Diaffole; and the like,

and Vesta-Bood to the Heart nits Disfole; and the lace. IN FORMA PAUPERIS, ILA., is when any Min that hash a jud Casole or Suit, either in the Chancery, or any of the Course of Common Law, well come before the Lord Chanceller, or Mafere of the Rolls, or cither of the Lord Chanceller, or Mafer of the Rolls, or cither of the fair Judge with, in his own proper Court, admit him to the proper had been a considered to the control of the Rolls Judge with, in his own proper Court, admit him to a proper court, admit him to a proper court, admit him to a proper court and the country of the Rolls Judge with the Roll had had have Countil, Clerk, or Attency affigured to so his Bradiesic, without paying any Yest.

INFORMATION, in Law; fee Inditement. Informa-tion for the King is the fame; that for a common Person the for the King is the sense; that ways done directly by the King, or his Attorney, but fomerimes by another, who fues as well for the King as himfelf; on a Breach of who fues as well for the King as himself s on a network wherein a Penalty is given to the Party that will fue for the fame.

INFORMATUS NON SUM, or Now fum Informatus; a formal Answer made of courte by an Attorney, who is commanded by the Court to fay any thing he thinks good

in behalf of his Client; who having nothing material to fay, makes answer he is not inform'd : on which, Judgment

1ay, makes aniwer he is not inform'd; on which, Judgment patities for the other Party.

INFORMIS, informed, that which has not the Form or Perfection it fhould have. In Afternoomy we use the Terms Stelle Informes, for Inch Stars as have not yet been reduced into any Conficilation. Of which kind there reduced into any Contrellation. Or which kind there was a great Number left by the antiene Aftronomers, tho Herelius, and fome others of the Moderns, have provided for the greatest part of them, by making new Conslet-

ladons.

JNFRACTION, a Rupture of Violation of a Treaty, a Law, Ordinance, 25: from the Prepofition in, and the NINFRALARSARII, the Name of a ScR, who maintain, that God bascreared a certain Number of Men and to be deamned, without allowing them the mean eceffacy to fave themfolies, if they would. This Decimal of the control of the co being divided into two Branches. Some of them hold,

that God independently of every thing, and antecedently to all Knowledge or Forefight of the Fall of the first Man, refolved to figualiae both his Mercy and his Justice; his Mercy, by creating a certain Number of Mcn, to method hope hope to all Etenity; and his Justice, by creating likewise Number of other Men, to be miserable to all Eternity. Others hold, that God did not rake this Refolations. Enemy, Others hold, that God did not rate chis Refolsoin, but in condepence of Outgood flow, and of the known, but in confessor of Outgood flow, and of the known of the commit it. I for, fay they, Man, by this Sin, buting fist-risked all Percences on bis original Julies, deferres so that original Julies, deferres so that original Julies, deferres so that of the control of the Julies. Man of Cormpton, which God may abunden to extend Defencies, without use and property of the control of the Julies. However, to their last decay not a real to the form of the control of the

lution, infra Laplum, after his Knowledge of the Fall, inton, ingra Legion, arter as knowledge of the kali, and in confequence thereof. INFRA-SPINATUS, a Music that arries from the fictor Parse of the Bais, Spine, and Under-Cofts of the Scapula, and filling the lower interfcapulum, pattles on between the Spine and Terea Minor in a triangular Form, and growing tendinous at the Cone, is inferted into the Head of the Humerus, and draws directly backwards.

INSULA, a Name outcomby gives to force of the For-tical Chamment, Figur talls as, that the furfale were infection control of the force of the force of the whole to absent heir Friedts, their Vidins, and even their Tamples. Several Amberto continued the furfale with the Video to absent their Friedts, their Vidins, and even their Filter of Headthand of white Wood). Correcting that Parcia a great total of Difference. The Inful was properly a Filter or Headthand of white Wood). Correcting that Parcia Hell or Headthand of white Wood). Correcting that Parcia expectation of the Parcia of the Parcia of the Parcia of the Headthand of the Parcia of the Parcia of the Parcia special control of the Parcia of the Parcia of the Parcia of Authors to comband the Inful with Filter. The Inful was set, the Intigle of their Digary and Authority. The Difference between the Didacon and the Infulls condition in this, first the Didacon was fire and towed, and the Infulls condition of the Parcia of the Parcia of the Parcia of the Parcia of the Inful Parcia of the Inful Parcia of the Parci INFULA, a Name antiently given to some of the Pon rounded and twifted.

anded and runted.

INFUNDIBULUM, a Latin Word, fignifying a Funnel;
bence many Parts in an human Body, having a Re-INFUNDIBULUM, a Latin Word, fignifying a Fennel; whence may Parts in an human Body, having a Refemblance thereto in Shape, are thus called; as the Instantibulew Cerebrs, and Infundibulew Renews; for which fee Brain and Kidweys; and forme Parts of Plants, for the fame

reason, are called Infanishbulgarines. See Flowers.

1NFUSION is a Part of Pharmacy, whereby the Vir-INFUSION is a Fart of Pharmacy, whereby the Vit-tuce of Plants, Roots, and the like, are drawn out, by letting them fitce) in lone convenient Menlitraum. In-plifes its affect in Bodies of a lax Texture, whole Parts are fo light, as not to admit of a greater Moriton, without hazard of Bying away in Vapour. Its Ufe is to commu-nicate the Vitrues out of Bodies to Liquons, either in or-der to augmont their Force, or correct their ill Qualities.

user us augment their Force, or correct their ill Qualifice.

Some Infisione are made in common Water, others in Wine, Vinegar, Milk, Spirit of Wine, &c.

Infifigin is illo used to fignify the Action of conveying a Liquer into the Body by the Veina. Some Physicians have fraind out a new Microbol of Fauging, by infusing a Cathartic into the Veins, which operates pretry much after the number of a Clyffer, or Yun UD 0.

the control of the co

Freedom. Ingenesis is fometimes also used to fignify the Native of a Country, in contradiction to a Foreigner.

INGLUVIES, or Crop, a part which in granivorous
Fowls ferves for the immediate Reception of the Food,

Fows feres for the immentate Reception of the Foods, where it remains from time for Macerston, before it be transmitted to the Stomach. This Inclusive is furnished with Glands, which, the Patrons of Fermentation maintain, convey a Menditum thirter, that impregnants the Alienent, and ferres instead of Massication.

INGOT is a little Wedge or Mass of Gold and Silvers or an uncertain Quantity of Bullion.

INGREDIEN'TS are all the Simples which go into INGREDIENTS are all the Shaples which you mot the Composition of any Medicine, Ointment, Sance, Sr. INGRESS, in Attronomy, fignifies the Sun's entering the first Scruple of one of the tour Cardinal Signs, especially

INGRESSU, in Law, a Writ of Entry, whereby a Person seeks Entry into Lands or Tenements. It lies in various Cases, and has various Forms. INGROSSATOR MAGNI ROTULI, is the fame as

INCROSSATOR BRIGHT ROLL IS THE LAME AS CERR of the Five, which fee.
INGROSSER, in Common Law, is one that buys Corn growing, or any Provisions, before the Market, to fell again; it allo fignifies a Clerk, who writes Records or Inframement of Law in Skins of Parchment.

or Informents of Law in Skinsof Firchment.

INGUEN is that Part of the Bady, reaching from the
Head of the Thigh to above the feeter Parts, and is comlined and the Thigh to above the feeter Parts, and is comtinued to the theory of the state of the Pains happen frequently there; others again from ingenov, because the geniral Parts are here.

INHARMONICAL RELATION is a Term in Music.

See Relation inharmonical,

INHERENCE, a Term in Philosophy, applied to the unchare or Connexion of an Accident with its Subflance. Juncture or Connexion of an Accident with no out.
Thus Quantity has a necessary Inference with a natural

Initi Quanty into a mechany influence value and Ten-ments to a Man and his Heirs: This word Interinse in not only underflood where a Man hat Interinse of Lands and Tenemons by Defector or Heritage, but allo every Fee-Simple and Yee-Tal, that a Man harb by his received the properties of the properties of the con-trained of the properties of the properties of the con-traction of the properties of the properties of the con-traction of the properties of the properties of the properties of INTHIBITION is a Water to inhibit to firstly a further INTHIBITION is a Water to inhibit to firstly a further

Heir may inherit after him. Inhibit or farbil a Judgo INHIBITION is a Writ to inhibit or farbil a Judgo INHIBITION is a Writ to inhibit or farbil a Judgo INHIBITION is the Caufe depending before billion; forestires, Problem in the Caufe depending before billion; forestires, Problem in the Caufe of the Problem in the Caufe of the

INITIALIA, a Name antiently given to the Myfleries See Cerealia

of Coets. See Cerealia.
INITIATED, a Term properly uled in speaking of
the Religion of the asticat Heathers, where it fignifics
to be admirted to a Participation of the Myliteria of Religion; the the word is also fomenimes used in speaking
of other Religions, and even of Pallolophy and other
seems. The Automotion never discovered the deeper Mystates. The Automotion per permitted fome of
the Company of the Company of the Company of the Company
of the Company of the Company of the Company
of the Company of the Company
of the Company of the Company
of the Company of the Company
of the Company of the Company
of the Company of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of the Company
of th heters of their Religion, not even permitted fame of their Temples to be open on any but thou who shall been instanted in certain Orders. The word corner from the Lamin instance, of sintare, famint: Instance properly figure Lamin instance, of sintare, famint: Instance properly figure the instance of sintare, famint: Instance properly figure the beginning of Mytieries, or of Corne sintare Ferrica to the Dynamics of the Corner of the Corner of the Mytheries were not communicated at once to the Perfora who performed them (less for the Printfonce), but that are first they purified them, then admirted them to the lefe for the corner of the Corner of the Corner of the Corner of the season and at last the drew the Vol quiet, and hid downs are and at last the drew the Vol quiet, and hid down tant, and at last they drew the Veil quite, and laid open all the most facred and folerns Parts of Religion.

and with an cril intention, to any Man's Trejudice. The Author of the Rhecroice to Herenius 133<sup>1</sup>, infrair 68<sup>2</sup> gas an Taljainene, and Cowicie, and Topinione, Carpat, Amer. and Taljainene, and Cowicie, and Topinione, Carpat, Amer. itast is, to Reparation could be required after the Ex-piration of a Year. By the Law of the twelve Tables, where the Injury was the braiding of a Limb, the injured Perform night demand Tables. A think, the might break the

Ggggg

(390)

fame Limb of the Criminal. For the breaking of a Bo there were confiderable pecuniary Punifhments affigned: For other Injuries only twenty Affes were decreed, which For other limite only viscous yellow were decreed, which the Foretyr of these from shought a furtiser. Penalty, the Foretyr of these from shought a furtiser from the critical properties of the properties of the state of the state of the leave, which the state of the state of the real state on the leave, which the state of the state of the the Letter Perpotition on good. The next is derived from the Letter Perpotition on good. The next is desired from the Letter Perpotition on good in the state of the fact that the state of the state of the state of the fact that the state of the stat

walken artegerore on issues recess, whitese from the fround.

INK, the common Writing Ink is a Composition of Vittill, Galls, Gum and Water. Printing Ink is made of Nut-Oil or Linseed-Oil, Turpennine, and a kind of Black.

Indian, or Chingle Ink, is an admirable Composition, and the composition of the composition of the proper of the property of th Index, or Chinefe Ind. In a shrinishle Composition, and has been in via mempeted to be instituted in Europe. It is into theid like our Written-Inds, but folid, like our Mi-near's Colours, to much lighter. They make it of all Figure, but the most staff at reclangular about a quar-ter of an Inda like. Some of them a cpil with Figure, for the property of the property of the property of the original property of the property of the property of the could handly queal them in Betters. In February of the Inf., there must be a little hollow Marble, or other Some, with Water in it on which the Sicits of the small be Ink, there in off be a little hellow Marble, or other Some, with Water in it, on which the Sixtle of Ink must be with Water in it, on which the Sixtle of Ink must be set. It toukens very black flining Ink, and the it is best toukens very black flining Ink, and the it is be age to find when he Paper is thin, by et it never runs or ifercular, so that the Letters are always flowords and even of its order in the Ink must be set in the Ink must be a set of the Ink must be set in the Ink must be set of the Ink must be set in the Ink must be set of the dance of things which can't be repreferated to the Line without in: The Chemore make in with Semok Hilde of the Perkel Hilde of the Perkel Hilde of the Perkel, burnt at a Laup. They mix a kind of Oil with it, to make it more Imouh, and add other colorous ingositions to take away the Rankarfs of the Smell. Att. Increase, they part into a Mold to Eguer it: Percept Consistence, they part into a Mold to Eguer it: NLLAND, implies any thing finated in the main Land, Henric of Courty far from the Sox-Coals. Hence the Court of the Court of

Inland Bills in Traffic are such Bills as are payable in the

fame Land wherein they are drawn.
INMATES, are fuch Perfors as are admitted (for their Money to the first ferrors as are admitted (for their Money) to live in the fame. House with another Man, the in different Rooms, and which go in at the fame Door lointly with others to when the House belongeth, and which are not able to maintain themselves. These are inquirable in a Court-Leet.

are inquirable in a Court-Leet.
INNATE HEAT. See Calidon Innatum.
INNATE IDEAS, or Principles, are certain primary
Notes or Characters, supposed to be stamped on the Mind
of Man when it full receives the Being, and which it brings
into the Werld with it 3 but the Doctrine of Innate Ideas is abundantly confuted by Mr. Locke. See ldta.
INNINGS; Landsrecovered from the Sea, by drain-

INNINGS; Lands recovered from the Sea, by drain-ing and banking, are fo called.

INNOCENTS-DAY, the Name of a Feaft celebrated in Commemoration of the Infants murdered by Hered, hererofores it was the Cullom to have Dances in the Churches herectóreit was the Cathon to have Diasces in the Charchez on this Day, whereit were Perfeat who repredented Bis fleeps, by way of Derlikos of the Epifogral Deginter. This agaptar by a Gonson of the Causal of clogacs, Held in Sparse to the Cathon of the Causal of clogacs, Held in No. 100 Mills This fleet in the Cathon of t

Name to have no Name at all.

INNOMINATUM, in general, figuifies any thing without a Name. Many Parts of the Body are left under this inditined Term, as the Innominate Glundul Geni, now called Carseala Goul, See Eye. Innominate Traines Graff. See Eye. Innominator Ot. See Ilino.

now called Connected Octob. See Eye. Innominate Tonica Octob. See Eye. Innomination Of. See Ilino. INNS. Our Colleges of Municipal or Common Law, Proceffors, and Students, are fill called Inter; the old English werd for Houses of Noblemen, Bishops, and o-thers of extraordinary Note, which is of the same Signifi-cation with the French word Metel.

cation with the French word Hitel.

Intel Gwar, are fo called, as fome think, because the
Students there are to streve the Courts of Judicature, or
else because aminently these Colleges received on
the Sons of Noblemen and better for of Gentlemen, as
Frentjewa diffuse. Of these we have four; was, the two
Temples, heretoscotche Dwelling of the Knights-Templers,

ifed by fome Profestors of the Common Law about purchated by lome Protenors of the Common Law about 200 Years ago; and Lineshn-lin and Gray. Thefe Socie-ties are no Carporations, nor have any Judicial Fower over their Members, but have certain Orders among themtheir Membezi, but have certain Orders among their felves, which have, by Confint, he force of Laws: for lighter Otheres they are only excommoned, or put our lighter Otheres they are only excommoned, or put our are expelled the College; and the their Clumbers, and are expelled the College; and the other Clumbers, are of one Society, they are nefer received by any of the others. The whole Company of Gentlemen in each So-ciety may be divided min four Jurts, Benchers, Utter-cal Bernifer. and Sarnetter, and Sarne and Barrifter.

IN

and Berrieer.

Inst of Chancery were probably fo called, because antiently inhabited by fach Clerks as chiefly studied the founding of Writs, which regularly belonged to the Carfitors, who are Officers of Chancery. The first of the fits Thansierism, begun in the Reignof Edward III. and fince \*\*Tawtei-Jun, begun in the Reignof Edward III. and fince partiand by the Society of Lincoln-Linu; a thom New-Jen, Clement-Jun; a Climent-Jun; a microly the House of the Lord Clifford, Saple-Lin, belonging to the Merchans of the Staple 3 Lyon-Jun, antiently a common lim with the Sign of the Line; Fermani-Jun, and Bernard-Jun.

These were herecolors preparatory Colleges for youn-own Sindows. and meany we also make the property of the Staple Staple

I Bele were acretorore preparatory Cotteges for younger Studens, and many were entered here before they were admitted into the Inns of Court. Now they are mostly taken up by the Attorneys, Sollicitors, &c. They belong all to fome of the Inns of Court, who fend yearly fome

of their Barrifters to read to them

all to fome of the low or Coart, who feed yeary fome of the Coart, who feed years for the Coart, who was the feet.

In a word frequently ufed in Wars, Declaration, and Fresings, The Ufe of it is only to declare and affect of the Coart of t the Incline field up with the Earth or Clay. The me-chod of Insudation, now in the BR Repue, is as follows: They cut off a vigorous Shoot from the Tree that is to be propagated, a Month before or after Modigamers; the chalf out a finooth Place in the Stock (which should not be of above three or four Years Growth) making a perpa-dicular Slit in the Bark a little above an Inch long, and another at right Angles to it, at the lower end, to give way to the opening of the Bark. This done, the Bark is gently loofened from the Wood on both Sides with a Penknife, loofened from the Wood on both Sides with a Penantic, beginning at the bottom; they then prepare the Bud, cut-ting it off from the afarciald vigorous Shoot, and taking with it as much of the Wood above as below it, and as near as may be to the Length of the lift in the Stock. When the Bud stakes cut off, they take out the woody part of the Bud stakes cut off, they take out the wood year to the Bud stakes out off, they take out the wood year the Bud stakes out off, they take out the wood year the Bud stakes out the Stock with the Stock of the Sto and the Word of the Stock, at the Crefs file before open-cial, leading it wowent by the Stall, where the Leaf gives the Word of the Leaf Stall, which was the Leaf gives the Leaf Stall, which was the Leaf Stall with Word-lea Xens, the better to my bell litters of the Word-lea Xens, the better to my bell litters of the Word-tie was the Leaf Stall with the Stock, which is well the in three Words turns. This Operation is faid and its observed, that the quicket of in an Decompt of function. This Pradicts has the advantage of Engelsing in a special may repliedly, both as it is more fectors; it is a special may repliedly, be and it is more fectors; the Bads are put into the first Stall plant was the Pradict Indian Leaf Stall Pradicts and the Stall Pradicts and the Stall Pradicts and the Stall Republic Stall Pradicts and the Stall Pradicts and the Stall Republic Stall Pradicts and the Stall Pradicts and the Stall Republic Stall Pradicts and the Stall Pradicts and the Stall Republic Stall Pradicts and the Stall Pradicts and the stall Republic Stall Pradicts and the stall Republic Stall Pradicts and the Stall Pradicts and the stall Republic Stall Pradicts and the Stall Pradicts and the stall Republic Stall Pradicts and the Stall Pradicts and the stall Republic Stall Pradicts and the Stall Pradicts and the stall Republic Stall Pradicts and the Stall Pradicts and the stall Republic Stall Pradicts and the Stall Pradicts and the Stall Pradicts and the stall Republic Stall Pradicts and the Stall Pradicts and the stall Republic Stall Pradicts and the stall Pradicts and th Bada are pei into the fame Steck, and as in Stecchi is more readily discover. Indeed when Inge Stecks are to be practified on, Installation is not proper, and they are chilipped to have recently of Gerriting. This one Rola is observed to held unterfully, wise, that so Success in to be expected to held unterfully, wise, that so Success in to be expected in Installation in the Stephens per most light and the state of the Stephens of the Stephen

a new Practice among us, but of antient Original in the Eaftern Countries. The best Method of performing the Operation is as follows: After the Body is rightly dif-Opperation is as follows: After the Body is rightly during period and prepared, by proper Dieta and Evansimon, two finall Incidens are made, one in the mulcular part of the Arm, about the Place where an liftle is usually read the other in the Log of the opposite Side; then being during the content of the properties o

imbibed by two fmall Dofflis of Line; these are immediately part into the Intellies, whill the Matter remains over the Matter part of the Company of the Company of the Company of the Matter part of the M more plentifully as the Diltemper rites. The European generally appear within eight or ten days after the Opera-tion, during which time the Patient is not conflood, or old-liged to obferre a very first Regimes. The Practice fecus to be affall, because the most proper Age, the most favourable Scales of the Year, most regular Me-thod of Preparation, and all possible Presentess may be be affalled to the proper section of the William of the Patient, his processing on the William of the Patient, his here be ufed, according to the Wiffness of the Patient, and Parants, and Phyfician; Advantages impossible to be had when the Diltemper is caught in the natural way. It had allo been continually observed, that the best fort of Small-Pox is beredy occasioned, that the Emptions are few, the Symptoms light, the Danger next to none, the Recovery early, and that the Patiens is equally feared from this beautiful properties of the properties of the properties of the body for the patient of the would be by having gone ro' it in the natural manner. INORDINATE PROPORTION is thus: Supposing

INORDINATE PROPURITION IS thus: Supposing three Magnitudes in one Rank, and three other propertional to them in another, you compare them in a different Order; as if there are in one Rank thefe three Numberts, 2, 5, 5 and in another Rank thefe other three, Numberts, 2, 5, 5 and in another Rank thefe other three, 8, 24, 56, proportional to the precedent, in a different Order to their a shall be not asked to a final the real state of the shall be not asked to the state of the shall be not asked to the state of the shall be not asked to the shall be not asked t s, 24, ye, judgational to the precedent, in a distremedite, for that a finall be to 3 as 24 to 35, and 3 to 9 as 8 to 22. Then calling away the mean Terms in each Rank, conclude the first as in the first Rank is to the last 9, as 8, the first of the other Rank, to the last 96.

INOSCULATION. See Anasternal and diversy.

INOSCULATION. See Anatomagin and Artery.

IN PACE, a Latin Term, in use among the Monks, to figurify a Prison, where such of them are shut up as have figuity a Prifes, where fach of them are flust up a have committed any givenus Falls. Forensety steek and to be a world fold Ceremony at the parting a Religious in pare, because the first the parting a Religious in pare, as the steek of the parting and the parting a Religious in part as times also the world repided in it pare are afield by way of Allufono to a Calom in the Remije Church, of praying that the Soulis of the Definedt may real in Peace. Those words are all for frequently from at the better of Epiquisty, in line of these lands by the matter Remans, STTLL i. i. e. 2 times are all the state of the parting the state of the parting of the parting the parting the parting the parting the parting the 2 times are all the parting the parting the parting the parting the parting the 2 times are the parting the

ri non omercia ins.

IN PROMPTU, a Latin word used among the French,
the but rarely in the Emplish. It fignifies a Piece made offhand, extemporary, without any previous Meditarion, by
the merc Vivacity of Imagination. Many Authors pique
themselves on their in prospect, which yet were done at
lessive, and in cold blood.

INQUIRENDO, is an Authority given to a Person, or Persons, to enquire into fornething for the King's ad-

INQUISITION, or the Holy Office, an Ecclefiaftical Jurifdiction of ablished in Spain, Portugal, and Italy, for the Trial and Examination of such Persons as are suf-pected to entertain any religious Opinions contrary to those professed in the Church of Rome. It is called Impaifiring, because the Judges of this Office take cognizence of Crimes on common Report, without any legal Evidence Some People fancy they fee the Original of the Inpufit tion in a Conflitution made by Pope Lucius, at the Coun tion in a Continution made by Pope Leew, at the Com-tion in a Continution made by Pope Leew, at the Com-icio of Ferens, in 11-85, in regard he there orders the Bi-fleops to get Information, either by themfelver, or by their Commiliaries, of all fach Perfons as were slip-effect of Herechy; and dilitinguishes the leveral Deprece, of Saf-peted, Convilled, Feniteur, and Relapfed, &f. Howe-ver, in generally allowed, that it was Pope Innevent III. Who laid the first Poundatures of the Holy Office, and the who liad the first Foundations of the Holy Office, and the Praduct and different Periods were who agree the excedion to it. Bit the feveral Periods were the product of the Holy of the Number Cention smeaght the Perlates and Pracos. Thefe Million-ries were to give an account to the Pape of the Number Frences and Periods in Authority, and there the type squared the Nume of Impilium's but thefe original Inquisition lead to start of the Holy of the H nhance of the Crime of Herely to a Set of Ecclesistica, Judges; and as Fire was the Panilinnent decreed for the Oblinate, the Inquisitiess determined indirectly with re-gard both to the Perfora and to the Crimes; by which means the Lairy was cut off from its own Jurifdiction, and abandoned to the Zeal and derout Madness of the Ecclefishies. After the Death of Fiederic, who had long

ago repetited the Power he had given the Churchmen, as having feen fome of the Fruits of it; Pope Jenseers IV, received a perpetual Tribunal of longithors, and deprived the Bilhops and Secular Judges of the little Power the Emperor Freiewie had left them. And this Jurifaction, which depended immediately on himself, he took care to which depended immediately on himfell; he nook care to introduce into moift of the States in Europe. But the la-quistron were fo fiery hot, and made fieth horrible But-carry among the reparted Hercitics, that they railed an universal Deterlation, even in forme Catholic Countries, the Hence it was that their Reign proved very themselves. Hence it was that their Reign proved very themselves. Hence it was that their Reign proved very themselves are determined, now was even Spain en-tirely habited on mental the time of Ferfenand and Ifbells in 1448, when their Power was increased, under pre-tence of clearing the Country of Judnjin and Mahoweta-

nijm.

The Fower of the Inspifition is very much limited in fonce Countres, particularly at Point, where it is received from Countres, particularly at Point, where it is received from the Country of the Point of the Country and the Point of the Country of the State threaf of the Country of the State threaf of the Country of the State threaf of the Country of the Point of the Poin partially. When Ferfon is feized, all the World abus-doon him, not heneral Friend denors feed. a Word in his Defence; that alone would be enough to reader them fourfeeted of Herely, and would bring, them within the Claws of the Inspiritus. The Criminals are feized, exa-mined, firstly, contract, and, which they eccan, con-tinued, incl., contract, and, which they eccan, con-tractions of the Company of the Company of the horse of the Company of the Company of the Company their Access of the Company of the Company of the the Inspiritus his done with them, and continued to doubt, they are runed over to the Socialist Arm, with the Leppline has draw with them, and contermed them to death, they are turned ever to the Secular Arm, with of Freyer and Frein Interacy, that their Lives point of Freyer and Frein Interacy, that their Lives point of Heredy, no code such Carry self-freing the Acuted from the Parlian of the Integrities ; even in De-Acuted from the Parlian of the Integrities; even in De-Acuted from the Varian of the Integrities are sent in De-Acuted from the Varian of the Integrities of the Content of the Integrities of the Integrities of the Integrities of the Integrities of Technology, and Integrities of Technology, and Integrities of the Integrities

in Ferlow. This is accounted the highest Tibbinal in Ferlow. This is accounted the highest Tibbinal in Ferror is Depart in the use of Upper 2011 Vo. on occasion of the Ferroling of Leebroughin.

Ferroling of Leebroughin.

In the Period of the Counter of the Service of Children are of the Counter of the Counter of Coun

INSCRIBED, in Geometry: A Figure is faid to be inferibed in another, when all the Angles of the Figure inferibed touch either the Angles, Sides, or Planes of the

other Figure.

other agaro.

Inferiod Hyperiola, is such an one, as lies intirely within the Angle of its Assymptores, as the Conical
Hyperbola doth.

INSCRIPTION, a Trile assisted to any thing, to give INDURING A THE ARREAD OF ANY TIMES TO BE ANY TIMES TO BE A TO THE ARREAD OF A THE ARREAD OF A

whereof

whereof his Hillery is compeled, from Inforpassion, which certain the best send in Tempers and on Columns, both among the Heathern and the Telleran. It appears indeed that the and Accurate ingereat large part large the Telleran (or mentioned by Hirokhao fliew, that this was the first way of instancing People, and transfaring the Hilleran and Seleran Information (or mentioned the telleran and th with Plates of Lead; and the Treaties of Confederacy, made between the Researca the Degree, were written up-or Plates of Brafi; that, fays he, the Stern might have founding top at them in mind of the Peace and Confe-deracy concluded with the Ramans. The Greeks and Re-search were great Degree in them; and were extreme by find of being mentioned in them; and hence it is that we find formany, in hole Countries of autient Learning, as that large Volumes have been compiled of them; as the Confederacy of Ormany, Re. Since four the Confederacy of Comments of Confederacy and Confederacy Confederacy and Confederacy Confederacy (Confederacy Confederacy).

as that Jange Volumes laws been composed of them;
as that Jange Volumes laws been composed of them;
them, T.R. Renderies published assorber Volume as
Renderies 1999, wherein the place ordered shandance of B.Renderies 1999, wherein the place ordered shandance of B.ries, 195- and salded a great Number of Information omitted
by them. Since all thesic, Govelas the published as concenting of the honosers and ten personauty Members,
to Alfonders, and as many Noviez, who are to meet
any and the since the since the since the since of
Greed and Reneal Literature, and no compose a Hillery
of Greed and Reneal Literature, and one of the since
of Greed and Reneal Literature, and one of the decay at the time of a litelitation on extra kellularition,
in the beginning of this Contray's but at they are not now
whethy complying about Nobella and Information, and
are called the Academy set file? Litera.

INSECULTAILS, in Thoology, is usfully understand
which cames he found out, or into which Hamma Reafon
cancel personaut.

which cannot be found out, or into which Human Readin cannot perceive.

It will be the property of the property of the property of the Ameters, because in found of 'em the Body feems to be cit; as in Anna, whose Belly feems who who is the property of the ther, 1. 'Audiaustrams, or fuch as do not change their Form: Or, 2. Milaustrams, fuch as do really change their Form. These that do not change their Form, are Form: Us, 2. Missasspauss, Nucl as no really canally their Form. Thus that do not change their Form, are chiter, (1.) Tamés, without Feet's or, (2.) Pedian, with Feet: and of their there are found kinds that call their Skins, and others that do not. Ingless without Feet are cited Terrellial or Land-infects, or Aquatic. Terreflyial Ingless, (1), either fisch as are produced on the Land, or in the Earth, and not in Water's as the Lembrich Terreflyial. in the Earth, and not in Water; as the Limiteria Terrifires, which are cither of the larger fors, and are call'd Dew-Woerms; or of a finalier time: And of thefe, there are fome Red, and othere Green with yellow Tails; which last are commonly call'd Gill-Tails. Or, aday, fuch as are found in the Bowels of Animals; And of thefe fome are found in the limitation of Men; sa, (g.) The fame are found in the Institute of Mers as 1, (1). The Lordonia Tevers (5.) Lunden Lan, which are also called Tames (1). Cambrian, which fame will be use to be called Tames (1). Cambrian, which fame will be use to be called the cal

which are found flicking to Stones in the bortom of little which are found flicking to Stones in the bottom of little Brooks. Or, ally, of the Leffer fort, which have a different way of crawling or moving from the former. Thefe are alfo-either round or flar: Of the round fort, there is one that is black with two fmall Horns on its Head, and is found flicking to wet Stones in the watry Tops of Hills; and another which is red, of about a firger's length, with a Forcers at the Tail, found at the bottom of Fishponds, and liagnant Waters. The flat fort are very small and thin, and are call'd Flukes, being sometimes sound in Waters, and sometimes in the Branches of the Parus Bilarius in

and are call'd Falset, being formetimes tound in Water, and are call'd Falset, being formetimes toung in Water, Sheep, Ingiften changing Ferm, and having Feet, are either, Information of Feet, Indicated with Seet, 19-les, Ingiften changing Feet, and having Feet, are either, Information of Feet, Indicated with Seet, 19-les, Indicated

with a very long floory, and a ventral star. I have a fairness series at least a series of the serie or Mirce

or Niles.

Hydrin exchanging Form, and with fourteen Feet, and hydrin the changing Form, and with fourteen Feet, and hydrin the changing Form, and with fourteen Feet, and which there are three fores A, s. it the Stee-folius; the longest and larged of all 1; living amongst the Bocks, common Wood-Lies, Borns, or Chefe bouge, 1, officer fifteen mare, with a fached Cital; in or tolling listed garden for Species may be called, (1, ) The officer Marines (prove bree long Legs and two Haffiese on its TML (3). Falset spaces, both in fresh and full Water. (4) Pedicinel spaces, both in fresh and full Water. (4) Pedicinel spaces, both in fresh and full Water. (4) Pedicinel spaces, both in fresh and full Water. (4) Pedicinel spaces, both in fresh and full Water. (4) Pedicinel spaces, but the fourth of the spaces of

ones reger. There are two kines to inclin observed a both with long Bodies, one larger and of an obfeure Colour, among the Rocks by the Sea-fide; the other of a Silver Colour, found in Hondes. There is a Kind with thirty Feet, of an oblong Shape, Chefout Colour, and full flaruff. Bedy, ufually lying under Logs, and Trunks of Trees. It is very agile and fwift.

Inferiorish do really undergo a Change of their Ferm, the called Mursoppium, of which Somewards had by even the left Account: The he flow that this word is realled Mursoppium, of which Somewards had given the left Account: The he flow that this word is for the Animal, latent before, in miniators, (as I were in the careful and the source of the Animal, latent before, in miniators, (as I were in the careful and the source of the Animal, latent before, in miniators, (as I were in the careful animal latent before the Animal latent latent before the Animal latent la

appearance. And Swammerdam describes the second Ov-

der of Change to be, when the Vermiculus (leaving the former Shape of the Nymphs, with which it appeared in the Egg, and (abbifted without Food) now beginning to offeren Single of the Nyapita, with which is appeared in the Egg, and faddlied whouse Food now begoning to the Egg, and faddlied whouse Food now begoning to feed, and in Members or Part villdy increded and which is not without Nobels 2 and Food of the Control o

er descination.

Sectes of Transmustion includes fach Ireffice (Section 2) and the Ireffice (Section 2) and Ireffice (Sect or membranous, as the Apri, Misse, &c. and these are either Δίπτιος with two Wings, or Telegarres, with four Wings.
The Searabei may be divided, (1.) In respect of their

Horns, into the Naficeenes, Successes, and Cereus relans, or Tearns. (2.) In respect of their America, which are of many storm, into the explorate, havening, and them existen, or storm, into the explorate phenomena, and them existen, thinking shared the multi-timent are those called Cope-coral. (1), With regard to their Motion, as the Scharicer series of the exploration of the exploration of the explora-tion of the exploration of the exploration of the explora-tion of the exploration of the exploration of the explora-tion of the exploration of the exploration of the Municipal of the exploration of the explora-tion of the Diarral is, that they always territ with thinking of the Diarral is, that they always territ with thinking of the Diarral is, that they always territ with thinking of the Diarral is, that they always territ with thinking of the Diarral is, that they always territ with thinking of the Diarral is, that they always territ with thinking of the Diarral is, that they always territ with thinking of the Diarral is, that they always territ with thinking of the exploration of the explora-tion of t wery (testr) occurrence to childed into, (c.) The Generatory grow, which come from the Erosa, (claded Conservant, the Manner of in Walt, which is objained, by carling the Back like the Handle of a Cap) with 8 or 100 feet. The Back like the Handle of the Part of the Cap which of the Walt of the Arest of different Colons. Fieldress Linears, whole by the property of the pro two Kinds; a greater, where the Foftwee are two Inches

3 1 N long; and a leffer, which are very common, and are called Surva Worms. Or elfo the Episse the transferrily, called Surva Worms. Or elfo the Episse the transferrily, stores, thermale, under formerizing prices of flields, to Stores, thermale, under former start of the first allo, have no Episses, but always citier Saud, or Gravit's and of these found have the Theor count, and N. By reckom four Kndy a practice and left filled. (a) Crooked, or henced, which we have the start and left filled. (b) Crooked, or henced, which is the start and left filled. (c) Crooked, or henced, which is the start and left filled. (c) Crooked, or henced, which is the start and left filled. (c) Crooked, or henced to a flying heigh by yet with a familiar from 1 Forescale to a flying heigh by yet with a familiar left compared to the control of the start of the

and that it distributes interested by Degrees is not fliping, that it distributes interested by Degrees is not fliping, and the property of the filtering by Figure if a Noviphan it is For a time it is quite monitority, and then, in a few
primers Rolling in every-energe, and then, in a few
primers Rolling in every-energy, and then, in a few
that Sits, which is not were double, it becomes a Flyth Sits, which is not were double, it becomes a FlyOf this lind are our Fleff-flier, and the Nopopher FarAre to the Greenwise of Joyfe, the World is now geneAre to the Greenwise of Joyfe, the World is now geneAre to the Greenwise of Joyfe, the World is now geneAre to the Greenwise of Joyfe, the World is now geneAre the Greenwise of Joyfe, the World is now geneally considered that they are not be referred to Courspine, but
as it were at once, and because they of continue lunched as
at it were at once, and because they of continue for the
formulation of the Cateriplian to the Batter-By, and other
the Bellemmespheric and have been a failed under the Stin
or Noyalow of the Cateriplian to the Batter-By, and other
the Still of t in the Seed.

in the fixed,

plefer the particular Care to deposite their Eggs, or
Such, in fuch Places where they may have a folicion the
Such, in fuch Places where they may have a folicion the
Such in fuch Places where they may have
the timefic of proper food till their blacked by may have
for themselves. These whose Food is in the Water, lay
for their Eggs in the Water; buffer to whom Fieldh is a proper
their Eggs in the Water; the other whom the Finit, or Leave
of Vegerables are also for the whom the strain, or Leave
of Vegerables are for the first proper to the proper the second for the proper the second form of the Plane. of Vegetables are Food, are accordingly reposited, some in this Fruit, some in that Tree, and some in that Plant, and some on another, but contlantly the fame Kind on the same Tree, Sz. As for others that require a more contiant and greater Degree of Warruth, they are provided by the Parent Animal with some Place in or about the Body of other Animals; fome in the Feathers of Birds, pony or other animals forms in the Feathers of Birds, forms in the Hair of Bealts, forms in the Scales of Fiftes, forms in the Nation of Fiftes, forms in the Nation, forms in the Erlch, may forms in the Bowels, and inmost Recetels of Man, and other Crea-tures. And as for others to whom none of these Mexicods and the National Scales of the National Scales of the Earth, in Wood and the like, carrying in and feathing any Powificans charge to both for the Production of their Yanov. and for their Evo took for the Production of

fealing ay Petwifiness that ferve both for the Probabilion of their Young, and fee their Food, when produced. In First, Better-lifes, Lie. it is oldered, there is a kind of Gitzen, by which the Fenalle fitting the Eggs to the bearing Bash of Trees, Lie. for that the Rains cannot with them off. The Eggs will not be burr by the greated Frod. Mir. Andry, in his Book De la Greenwar de reason of the Primers, rakes notice, that the Anti-cust were mile and Primers, rakes notice, that the Anti-cust were mile and the Primers of the Primers of the control of the Primers of the Primers of the Control of the Rains of the Primers of the Primers of the Primers of the Account of their warrings of the Primers of the Primers of the various convinces, as that Indexing the Primers of the Prim vations convince us, that Infelt have a greater Number of Lungs than other Animals. The Antients thought alfo of Lungs than other Animals. The Antients thought allo that highth and Bolloch, becaused many of them had no red Liquor like our Blood: But it is not the Colour, but the Ufo of the Liquor that is not be regarded. They be-lieved also that highth had no Hearts; whereas our Mi-croflopes do now differer, that when Infelt have feveral Lungs, they have also several Hearts; and in particular, Langs, they have also leveral Hearts; non in particular, it is found, that Silk-Worms have a continued Chain of Hearts, from the Head almost to the very Extremity of the Tail. And it is this Number of Hearts and Langs that occasions those infests to give Signs of Life a long while after they are divided inno feveral Pars. He observes also, that it is wong to call insight imperfield an interest and the second of the sec ferves allo, that it is wrong to call Infelt imported Ami-mals, fince they want no Parse either necediary or conve-nient for their Ule, or to reader them complex in their Kind. There are forme, who affirm that the Earth-Worms, and thole Round-sailed Worms, which are found in the Intellines of Men and Horfes, Ec. allo Smalls and Horfe-Leaches are Hermaphrolines; but that fach Worms as become Flies, and Silk-Worms are not fo, being of no Sex, but are Nefts full of real Animals, which we fee in time some out with Wings. H b h h h The Moderns have proceeded much further in the Rouse and the Control of the Microfese which dilinguishes the Advantages of the Microfese which dilinguishes the Advantages of the Microfese which dilinguishes the Advantage of the Microfese Programmy in 1 from the Party of the Control of the C

with very beautiful Figures.
INSEMINATION, one of the four Kinds of Transplan-tation, in use for the Care of certain Diseases. It is per-formed by mixing the Medium impregnated with the Mamia taken from the Patient with some It Earth where-in has been flows the Seed of a Plant appropriate to that Difeafe; but Care must be taken from Differed 5 but care must be taxen from time to time to figuriable it with the Water wherein the Part affected has been wash'd. "Tis supposed the Differes will decline in proportion as the Plant grows. By Mawie, is here meant

proportion as the Plant grows. By Momie, is here meant a Part of the viral Spirit of the Parient.

INSERTION, a Term frequently aid in Physic, to figuily the Implication of one Part within another. The Inferior of the Bones, Mufcles, and Nerves in the Members of an Animal, is exceedingly artful. The Fon Casa has its Inferior in the right Ventricle of the Heart. Inferior.

has its Inferiors in the right Ventricle of the Heart. Infer-tion is also used in Agriculture for the Inclosing a Graft within the Cleft of a Tree. INSESSUS, is a kind of Half-Bath, usually prepared with a Decochioe of Several Herbs, proper for the lower Parts, wherein the Patient fits down to the Navel. It has several Use, as the casing of Pain, fortening of Parts, difpelling of flatulent Matter, and frequently, promoting

INSINUATION, a cunning and covert way of creep-ing into Favour. Infinantion of a Will, among the Civi-lians, is the first Production of it, or the leaving it with the Register in order to its Probate

INSIPID, that which has nothing in it flurp or pun-gent enough to affect the Palate, Toogue, &c. and to occasion that Sculation we call Talling INSITIO, a Term in Botany, wied in the fame Senfe

INSTING, a Term in Bosay, slich in the firme Seafe with engarings it guidenge in Seafe the Inferring and Uniting of any Uyen, Bad, Sc. now the Sublimes of the Mindle of the Inferring of Infe

is faid to die in olvens

dying, and out leaving Elizes fufficion to dicharge the fa-INSEE/ECING, a Ferfin to whem the Gare and Con-cided of any Work is committed. The Synapson, whem The John how an Older in the Synapson, when The John how an Older in the Synapson, when Elizes in the Synapson of the Synapson, when Elizas, in preparing and Rowing them to the Readon, principally in infectled or overleaking, the Propers and Leifon, in preparing and Rowing them to the Readon, if he make Millades, to correct him. In the Rown Law, Population were fash berform as examined the Quality and proportioning Taxes and in mydificant every Man. Elize. INSTRATION, smoon plythens, (cf. miglice the coa-re Muctices into the Soul. "Thus the Prophens are fail to have false by Dirice Hopinsonias and the Samer in coa-sers no a particular clare of fronthense, which prevented maintaining they overw were entilly inspired, editor with Kowoledge of Espertims. According to M. down, John Kowoledge of Espertims. According to M. down, John which never permitted the Sacred Wireser to be middlen. wants moves permitted fire stateful written to be militaken, and it is a common Oplaine, has the Infjoritus of the World's which ferms to fill in with Most of the Oplaine Oplaine, which ferms to fill in with Most of Direction. Among the Heathers, their Prichs and Pristlelfuls were fail to be divinely infjired when they gave Oracles. The Peets, too, laid claim to it; and to this red, always invoked 4965 and the Mufes at the beginning of any great World.

Inspiration, in Physic, is understood of that Action of the Breast, by which the Air is admitted within the Lungs. This Admission of the Air depends immediately Laogs. This Âdmiflion of the Air depends immediately on in Spring or Editativin, at the time when the Cavity of the Breast is enlarged by the Elevation of the Theorems, and particularly by the Mexicon of the Daphyard property, and particularly by the Mexicon of the Daphyard property of the Laogs, because they are dilated; but those dilates the Laogs, because they are dilated; but those dilates the Laogs, because the Air cartes within them. Now is it the Dilateston of the Hersit which draws in the Air, as is compared to the Cavity of the Air Cavity of the Cavity of the Air Cavity of the Air Cavity of the Cavity of the Air Cavity of the fary to Infpiration, but an actual Intrufion of the Air into the Lungs. See Respiration.

The Lings. See Referation.

INSPISSATE, a Term used in Pharmacy for that Operation whereby a Liquor is brought to a thicker Confist-

peration whereby a Liquor is bronght to a thicker Connece, by evaporing the thioner Fares and thus Jukes, as that of Liquories, are inplificated many and the control of th in the Cathedral Church to which he belongs: It is former inter called Inflatins. This Term is likewife common-ly used for that Cercurony wherein the Knighth of the Garter are placed in their Rank at Windir. The Word is derived from the Levin in and Staffun, a Term used for a Seat in Church, in the Choir, or a Seat or Bench at a Court of Justice, USe. The Vigitar is of opinion, the Word

Gour of Justice, Gr. The Page is or opmon, ne wensignificant of the part of Duratico, whereis we perceive no Seccetion) er is that which take up the inner of only one I does not midned. The School after and the Section of the Section of the Section of rail, and a rational Influent. A temporary Inform is a part of Time inmundately preceding another. Thus the part of Time inmundately preceding another. Thus the the first influence of the Influence Day, A natural Influen-te what we otherwise Call as Prizery of Nanue, which what the Call of the Influence of Nanue, which ex-tends the Call of the Influence of Nanue, which the first defected Cantery Cantes and their Rifician. For the cannot of this requires, that if there he accurate of this requires are the second of the contract of the second of the requires that if there he accurate of this requires that if there he accurate of this requires that if there he accurate of this requires that if the contract of the second of the requires that if the contract of the full and fecond Camfas Camfas and their Efficity. For the nature of things requires, that if there is a fecond Caufe, there must be a furl? and rhat there must be a Caufe, fir there is no Effect. A cutoud Inflant, is no any real Inflant, but a Yeart which the Understranding concertive to have been before form entire Inflant, funded on the nature of the things which occasion is to be con-orred. For inflance, as food has made feveral things ver-ories. The control of the control of the con-cernity of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of t he is in himfelf, before he had made any of those volun-tary Determinations: but as there was no real Instant, when God had not form'd any Determination, this Infram is call'd a rational Instant, by way of opposition to an Instant of Time.

an influent of Line.

INSTAURATION, the Re-effablishment of a Religion, a Church, &c. The Word is derived from the old Latin Influence, which figorified every thing necessary for the tilling and managing of Grounds; as Cartel, Tools, Parmers. Ed.

the tilling and managing of Grounds's as Cartel, Tools, Harnels, Sc.
INSTINCT, a Diffonition or natural Sagacity when the Animals are endued, by virtue whereof they are enabled to provide for themselves, know what is good for them, and determined to preferre and propagate this Species at bears forme Analogy to Reafon, and Implies the Control of Brates. INSTITUTE, to ordain, found, or effablish any thing. Thus Mase instituted the Ceremonics of the Old Law, and

Jefus Christ the Sacraments of the New.

Jelus Christ the Sacraments of the New.
INSTITUTION, is the Act of the Biftop, or one committed by him to act, whereby any Clerk is invested with the Spiritualities of a Rectory or Vicarage. The Clerk kneels down before the Biftop, while he pronounces these Words of Intiliation: (Intilius te Retherms nounces these words of infination: (Ditting to Returem Energielle A. B. com Curd Animarum, & accipe Carem name & mean) and the Clerk holds the written Instrument, with the Episcopal Seal anenezed, in his hand during the Ceremony. But the Clerk most have Indefine after this, without which he has no Right to his Temporalistics, if without which he has no Kight to his Temposalities, if the Benefice he not a Donative. Before the Glora is initial untile, he muit failsfrishe the to Articles of Religion, in Coulary for the Subhitment and the Coulary for the Subhitment and the Coulary for the Subhitment and the Coulary for the Coular (395)

I will confirm to the Liturgy of England, at by Lazo effa-blified. Before Instruction, he must also take the Oaths mention'd in the first Statute of William and Mary, c. 8. inflead of the former Oaths of Allegiance and Supremacy infeated of the foremer Outhor of Allegiance and Sayrenaxy required by 8m. 1.8m. And then he mult like the Oth against Simony, ecipinal by the 4mth 2mt. 1 and the Oth of Chin of Camous, echical by the Chin of Camous and the Chin of Camous and the Sayrenaxy in English, in a 4th finel Influence, water the Handa of Sayr of the Sinfony 1 and 6 his other Subforpitions and Onthis in Latin. The Clerk copits by all means to have Winzeffers of the Influence, the Sayrenaxy and Chin of Chin of the Sayrenaxy and Chin of Chin of the Sayrenaxy and Chin of Chin of the Sayrenaxy and Chin of Latin. Note that the Chin of the Sayrenaxy and Chin of the Sayrenaxy and the S Names on the back of his inftruments; and make Memo-Names on the back of his influtument; and make Mema-randoma who they are, and where they live. The Caurch, by Individuals, it still against all Perions, but the King; and the Clerk by it may enter upon the the King; and the Clerk by it may enter upon the them, not fur for the Clerk by a receive a witten Mandate from the Ordinary to the Arch-Decoon, or other puper Perfus, however to his Indication; which the first first first four Photon of Volumes of the Giril Law; being a Com-sending or Simmary of the Work in Ser Decognition of the four Tomes or Volumes of the Giril Law; being a Com-sending or Simmary of the Work in Ser Decognition.

four Tomes or volumes of the Cayi Law 5 being a Com-pendium or Summary of the whole in four Books, compofed by Tulonianus, Theophilus and Devalbai, by order of the Emperor Julinian, for the Ule of young Students 5 who having the first Elements of the whole Profession in this naving the first Elements of the whole Profession in this title Treastift, might the forement of the whole Profession in this title Treastift, might the forement of the title the title Treastift, might the forement of the title the foremer Book. Littlessions are likewise a System of Laws, or Roles in any particular Sciences; and fo Physical or Medicial Intilizations are finds a treach the profession with the profession of the title the profession of the title the profession of the title titlession and the profession of the titlession of the title

of Dileafes.

INSTRUMENT, properly fignifies any thing that ferres as a Caufe to produce an Effect.

Instrument, is also when the awe to fignify fume public AR or authentic Deed, by means whereof any Truth is made apparent, or any Right or Trile establish d in a Court of Julice.

Control Juneo.

Information of Sacrifice, are Ornaments in the Antique
Architecture 5 as Vaics, Pareze, Candlefficks, Knives,
wherewish the Victims were kill'd, 5%. Inflances of
which, we fee in a Corinthian Process in the Remains of a

which, we fee in a Corinthus Preese in the Remains of a Temple behind the Capilou at Ross, [25] [46] ex. and the Capilou at Ross, [25] [46] ex. and the Lame Injudiants is a Term capily it as a Column that Runds alone, or fee from one percongrous Wall, [46]. Itle an Illiand in the Seas whence the Ward is derived. INSULTI, a Shirmy Term, uled for the attacking of Trenches, Steps, or any regular Approache.

INSULPER is a Word ulided by the Auditors of the Excellent Column and Capilous Ca

due on fuch an Accompt

due on feed an accompt.

INSURANCE, is Security given in Confideration of a
Sum of Money paid in hand, to make good Ships, Merchandizes, Houses, Ec. to the Value of that for which
the Reward is received, in case of Lose by Storm, Pirates, Fire, &c. 1NTACTÆ are Right Lines to which Curves do conti-

INT ACTÆ are Right Lines to which Carres do centi-mulal approach, and yet can sever meet with them. INT ACTÆ (IV), preed, propose, which fee. Heads of great Men, Information, and the these capters on even-foral them, Information, and the three capters on even-foral three frequently fee fet in Kings, Seals, 45% with Ban-diation of Robbert, who inhabited a sear of the North of Emplant, and who made frequent Excurrious into the very mabile of Sonthing planneling the liabilistics where the very mabile of Sonthing planneling the liabilistics where the very mabile of Sonthing planneling the liabilistics where the celled One-Turier, and these who were left behind to re-ceive the Boary for Lefter.

In the Company of the

INTEGERS, tron use an artistic of Fractices, Arithmetic, whole Numbers, in contradiction to Fractices, INTEGRAL: the Integral Calculus in the new Analysis, is that which answers to the differential Calculus. This last has been compleasly explained by the Marquis del Phépinal, but the other still remains imperfect, having the contradiction of the Calculus and th

been but little cultivated.

Integral, among the Schoolmen, is understood of those
Integral, among the Schoolmen of any Whole. Thus Parts which enter the Composition of any Whole. Thus the Arms, Legs, &c. are integral Parts of the Body. INTEGUMENT, a Term in Anatomy, applied to the Skins or Membranes, which cover the Parts within the

the original Memoranes, which cover the Paris within the Body, as the Coats or Tunies of the Eye. The word is originally Latin, and fignifies any kind of Covering. 1NTELLECT, a Term uftd among the Philotophers, so fignify that Faculty of the Scal, ufually called the Un-

derflanding. The Peripareties make two kinds of he-telless, the Active and the Passive; the Active is that which receives the impreffed Species emitted by Objects to the exteriour Senfex, which convey to the common Senforium. These impressed Species being material and Seniorum. Indete impretted Species being material and fenible, are rendered intelligible by the Adrie Intelligi, and fit to be received into the Paffire Intelligi. The Species, fo fprintalized, are called exprefted Species, as being expretted from those others impretted, and it is by these that the Intelligi comes to know material things: in effect, however, the two Intelligibles have nothing really circle. these that the instant comes to know material things; in effect, however, the two lesselfest have nothing really distinct from each other.

INTELLIGIBLE, any thing capable of being underflood or conceived by the Mind. The Philosophers have

flood or conceived by the OSHOL. AND FINITEDPOINTS HEVE invected certain Beings that are purely intellightle, and only fubfift in the Understanding i fach are the Estima Ra-tinini, Universal Ideas, and other Chimeras. The meeting-ble, or intellednal World, is the Idea of the World in the Dirice Mind, frequently referred to by Madelsonsch, INTENDANT, one who has the Conduct, Inspection,

INTENDANT, one who has the Condeel, Infection, and Management of one whing. This is The very free, quent among the French: they have their Intendant of the Marine, who are Officers in the Ser-Fort, whole Bandish is to take care the Ordinances and Regulations relating to Gas-Affinis to oldrever) a forestand of the Frances, who have the Direction of the Revenues; Intendant of the French of the Condens of the C

INTENDMENT OF LAW, the Understanding, Intention, and true Meaning of the Law. The Judges ought to judge according to the common Intendment of the Law. Cake.

Law. Eske.
INTENT, in the Civil Law, is to begin or commence
an Action or Process. an Action or Frocess. INTENTION, in Law, is a Writ which lies against hint who enters after the Death of the Tenaot in Dower, or other Tenant for Life, and holds out him in the Re-

or other Tenant for Life, and hours out that it developes the tenantider.

INTENTION, in Physic, is that Judgment or particular Method of Care, which a Physician forms to himfelf

from a due Examination of Symptoms forms to himlelf from a due Examination of Symptoms, In Physics, it fignifies the Increase of any Power or Quality, as Heat, Cold, &s. as Remission fignifies its Decrease or Diminution.

Decreate or Dimmention.

In Metaphytics, it is sfed for the Exertion of the intellectual Faculties with more than ordinary Vigoue: When the Mind with Earnetheaf sixes its View on any Idea; confiders it on all fides, and will not be called off by any

Sollicitation.

The School men also use the Terms first and second In:

The School men also use the Terms first and second In: The Schoolmen alio use the Terms first and forcoal Liv-turation. A Term of first Instancion is that which fignifies a thing a the first Intensity of Man, in ethebiliting Words, being to experfed Things, or the clear shey have of Things. A Thing art forced Intensity is that which does not fignify a Thing, but arother Term or Sign. Thus a Tree, a Man, G.C. are Terms of first Intensity, and the Terms in Parameter of the Computer of the Computer of the Computer School Computer of the Computer of the Computer of the Computer of the Parameter of the Computer of the Compute

of fecond Intention.

INTERCALARY DAY, is usually understood of the odd Day inferred in the Leap Year. The Word is derived from the Lain Intercedants, of Calo calare, which sattently fignificant or an uniter land principal among the Romans fignifying a Day inferred between two other Days; which for that reason was proclaim'd by the

other Lays, which as unarrented was proclasmed by the Pricifs with a loud Voice.

INTERCOLUMNS, or Intercolumniation, in Architecture, againfy the Spaces between the Columns. The Intercolumn until always be proportion? to the Height and Bulk of the Columns. Privation calls it Intercolumnium. Balk of the Columns. Privaves calls it Introductions and according to that Author, the Interestimation is of five kinds; wie. Pychnodyle, Sillyle, Entlyle, Diolyle, and Arzodyle; which for explaind in their places. For a Medium, from Authors have laid down the following Proportions for the Interessions. In the Tufen Order, the first providence of the Body of the Co-

treashour most be four Diameters of the Body of the Ca-lum below is in the Doric three; in the losic two is in the Carinbins two,one quarter; is the Compositione and a beli. In Carinbins two,one quarter; is the Compositione and a beli. In the Carinbins two,one quarter; is the Composition on and the belalf of another. In the two prays or interredes in belalf of another. In the two prays or interred in the Name of an Officer, whom the Governous of Provinces, the third Law of "yel," (add. the composition of the com-tant of the Carinbins of the C

microgor was also a form acretotree applied to fuch Bi-flipps, as, during the Vesaney of a See, administer of the Biflipprice, till a Successor to the deceased Biflipp had been elected. The third Council of Carrbage calls thefe Interesting. The word intercofor comes from the Laint inter and cells, I go letween.

INTERCOMMONING, is when the Commens of two Mannors lie together, and the Inhabitants of both have

IN

time out of mind caufed their Cattel to feed promifeu

in each.
INTERCOSTAL, in Anatomy, fignifics say thing between the Ribs. There are two intergrind Nerves, which are focally, because in defending they pell near the Ross of the Ribs. They are formed in the Brain, by three Branches of Nerva, two whereof come from the fath Pil, and the third from the filth. The interest have a great Communication with bolls of the Nerva have a great Communication with bolls of the Nerva have a great Communication with bolls of the Control of the Nerva Area and the Nerva A lower Ventricle. There are allo two intereglial Atteries; a the upper, which comes from the Sub-lavian, and diffri-butes itelf within the four Spaces of the upper Ribs; and the under, which comes from the lower Trank of the great Artery, and diffuse titelf within the Spaces between the eight lower Ribs and the neighbouring Mafeles. There is also a Vein call'd Interested, which arties from the four Spaces between the upper Ribs, and terminates in the Subclavian.

IN

in the Subclavian.

Interessital Mosclets are the external and internal, which are forty-four in numbers, one of each fort being between every two Ribis: They arise from the lower Edges of each superior Rib, and are inferred into the upper Edges of each inferior Rib. Their Fibres crus one another; those of the external run obliquely from the back-part forwards plut those of the catternal run obliquely from the back-part

rewards 5 but thole of the internal from the fore-part backwards: they are thin and flefly. INTERDICT, a Centure inflicted by a Pope or Bi-fliop, fuffeeding the Pricits from their Functions, and de-priving the People of the Ule of Saraments, Divine Ser-vice, and Chriftian Barrial.

vice, and Chritian Barial.

Interdit is properly understood of a general Excommunication of a Country or Giry, as appears by the Decretals.

There is a local and a personal Interdit; where the Caracins of the Interdit is said to be mix'd. This Panishare join'd, the Interdill is laid to be mix'd. This Pinilinent, as well as general Excommunications, were but little known till the Time of Pope Graywy VII. In Excommunicating a Prince, all his Adherent, that is, his Subjects who retain their Allegiance, are excommuni-Subjects who retain their Altegnace, are excommunicated, and the whole Country is under an harteful. In the Reign of King 3abs, the Kingdom of England lay under a Papal Interface for above fix Nears tegether; the begin A.D. 1008. In Imitation of the Popes, the Hillings all the begin to arteful? and it became a common thing for a City or Town to be excommunicated for the A.D. 1008. Severity was found to have fuch ill Effects, that they have been oblig'd to moderate it. An Interdit is denounced, and taken off again, with the fame Formalities as an Ex-

communication. In the Common Law, the word Interdiftion is used also in the same Sense as in the Canon Law, where it is defin'd to be Censura Ecclesiastica probibens Administrationen

Doissessen, in the Roman Law, were certain Formule of Words, by which the Preson, when the Medfain of a complete of the Monta of the Mo Divinerum, was afectraird. They had three linds of luntellit, Pro-liberium, Refliterium, and Exhiberium, Problemium were thefe by which the Judges ribrated my concept to the Refliterium and the large ribrated my concept to him. Refliterium care their by which the Judges arporated any one, who had been expelled out of his Etitac, no be re-pedicted before ket light was legally afectually, and that was the fance with what they call the dispersion of the months of the Refliterium and the Refliterium and the entire of the Refliterium and the Refliterium and the entire of the Refliterium and delta deal the Refliterium and Refliterium and the Refliterium and Refliterium and Refliterium and Refliterium and delta d

till it was further determin'd, as the Uti possidetis, &c. the last to the recovering one lost, as Unde or, &c. Interdiffien of Water and Pire; a Sentence antiently

Interdition of Water and Nec; a Sentence antiently pro-nounced against fuch, as for foure Crime were to be ba-nished. They were not directly adjudged to Banishments, but by giving order that no body should receive them, but deny them Fire and Water, they were condemned, as it were, to a Civil Death; and this they call'd Legitimina.

INTEREST, is the Sum recknned for the Loan and INTERES 1, 18 the Sum reckmed for the Loan and Forbearance of fome principal Sum lent fer, or due at a certain time, according to fome certain Rate, and there-fore called Principal, because it is the Sum that procre-ates the hetereft, or from which the Intereft is reckoned, and is cither Simple or Compound.

(1.) Simple Interest is counted from the Principal only, and is easily compated by the Simple or Compound Gol-den Rale, thus: Let that which is the principal Cause of den Kale, thus: Let that which is the principal Caule of the Interest Pop par in the first places, and that which ische the Interest Pop parties of the Interest Pop parties and the ing in the third; under this conditional Perty parties are other Terms, each under is like, and there will be a Blank to fupply under one of those above, either under the first, fecond, or third: As for Example, if no.0. in welve Monthe gain 6.4 (this is the conditional Party what fall type, get in three Monthe? Pitce them down as in

I. Months, I. 100 . 11 . 6

will be under the third Place, multiply the three laft for a Diridend, and the two first for a Diridend, and the two first for a Diridend, the Cauche first by the three poop, and 100 × 13 = 120. Now 1209 9000, 75 = 215, required. But if the Demand had been, in how many Months would to t, have gained t 5, t or if 100 t, in twelve Months gain d, what shall the Trincipal be that in three Months gam 61, what shall the functival be that in three Months would gain 15. In these two Cases the Blank would have been under the first or second Term: Then, by the Rule, multiply the first, second, and last for a Dividend, and the third and fourth for a Divisor; the Quotient is the Answer.

1. Menths, 1.

100 . 12 . 6 3 . 75 = 15 t. Then by the Rule 100 X 12 X 75= 900,00 and 6 X 3=18) 900. (50 L

Rule 100  $\alpha$  13  $\alpha$  1/2  $\alpha$  10  $\alpha$  1 Rule 5 that is, multiply the three last for a Dividend, and the two first for a Divisor. And because  $\frac{G p r}{r \cdot p} = g$ ,

therefore  $G: p = TP_g$ , and confequently  $r = \frac{TP_g}{Gp}$ 

and  $p = \frac{T P_E}{G_F}$ , which is the fecond Rule.

(a) Companing thereof is that which is consect from the Principal, and Simple Intereof fiebben, called allo Intereff report interests, and Simple Intereof forbers, called allo Intereff report interests in because this internation work white to how how to companie. It has befoldered works which to how how to companie. It has befoldered works which the how how to companie it has befoldered works which the how how to companie it. The third work of the companies that the same than the companies of of any Annuity, or other yearly Fayment, Ec. for any Term not exceeding an bundred Years. And in order to this, the following Table of Shillings, Pence, and Far-things, reduced to the Decimal Parts of Pounds, is provionity necessary.

## SHILLINGS, PENCE, and FARTHINGS, reduced to the Decimal Parts of a POUND.

| ľ |           |   |   |  |                            |                            |   |  |                      |   |  |   |  |  |  |
|---|-----------|---|---|--|----------------------------|----------------------------|---|--|----------------------|---|--|---|--|--|--|
|   | s.        | d.  | Desimal<br>Parts of<br>a Pound.   |  | t.                         | d                          | Decimal<br>Parts of<br>a Pound.                     |  | s.                   | d.  | Decimal<br>Parts of<br>a Pound.  | 1 | ſ.                                       | d.   | Decimal<br>Parts of<br>a Pound.            |
|   |           | - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1       | a Posmd   |  |                            | -7-17                      | a Pound.  |  |                      | 1 2 2 3 3 3 4 4 4 4 5 5 5 5 6 6 6 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 |  |   | -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 - | -9 <sup>1</sup> ; 10 <sup>1</sup> ; 10 <sup>1</sup> ; 10 <sup>1</sup> ; 11 |  |
|   | 111111111 | -44<br>-5<br>-5<br>-6<br>-6<br>-6<br>-6<br>-7 | .019792<br>.010833<br>.021875<br>.021917<br>.023958<br>.025<br>.026042<br>.027003<br>.028125<br>.029167 |  | -1<br>-1<br>-1<br>-1<br>-1 | -1<br>-1<br>-1<br>-1<br>-1 | .051042<br>.051042<br>.052083<br>.053125<br>.055208 |  | -1<br>-1<br>-1<br>-1 | -74<br>-71<br>-71<br>-8<br>-8<br>-8                                 | .080208<br>.08125<br>.082292<br>.083333<br>.084375<br>.085417<br>.086458 |   | 13<br>14<br>15<br>16<br>17<br>18         | E  | .55<br>.65<br>.7<br>.75<br>.8<br>.85<br>.9 |

## Examples of the Use of the preceding TABLE.

What Decimal Part of a Pound is 7 off. Look in the Ts-ble for 7 d. and even with it you will find 2021(5), which is the Decimal coppered. What Eventual 6 Ts 7, we be 85, and the Decimal of 6 d. to be 0.5; which added, makes 875, and after the Operflow. What is the Value 875, and after the Operflow. What is the Value of this Decimal 0.575; in Shillings, Pence, and Farthings of Look in the Table, and you will find it to be 1. in of 4.5 Obferve, that if you cannot find in the Table the exact Oblerve, that it you cannot mad in the 1 able the exact Decimal fought for, to take that which is nearest to it, and you can never err above half a Farthing. Knowing thus the Ufe of these Decimal Tables, all the Business of Som-ple Interest will be very easily understood, and dispatched as followeth

as tolloweth.

The yearly Interest of any Sum of Money is had; by only multiplying the principal Sum by the hundredrib Part of the Kate of Interest; For the Product in Decimals is the true Answer. For Example, what is the Interest of 3s. for one Year, at the Race of its Per Cent? 75 = Principal.

06 == the hundredth Part of 61. 4-50 the Product, which is 4 to 00 4.50 the Product, which is 4 10 00

What is the yearly Interest of 157 l. 17 s.
6 d. at 5 l. per cent?

157.875 is the Decimal for 157 l. 17 s. 6 d.
05 the Hundredth Part of five Pounds.

7-8957; which is the Decimal andereing to 7, 4.11.

Year at 1, 1.6.4, the largeful of 17, 11.6.4 for each whatever.

When and the first the largeful of 17, 11.6.4 for each whatever.

When and the Quotient will be the Innereff for one Day. That is being the largeful of each Touri, the Country of the Countr 7.89375 which is the Decimal answering to 7 l. 17 s. for any Sum of Money, for any Time, and at any Rate :

As for Example, what is the Interest of iso I. for 365 Days at 6 1. per Cent.

02001739726018 410958904200 369 150000000033000

9.0000000198000, which Decimal gives the
Answer, near enough for any Use, to be nine Pounds,
By the fame Rule or divided by 959, will gire, in the
Quotient, the Interest of one Pound for one Day, at a
per Cent. and os, divided by 951, will do the fame as §
per Cent. and thus these Numbers following were found. The Interest of one Pound for one Day, at all Rates, from 1 to 10 per Cent.

At 1 l. per Cem. is 000027397260, &c. 212boyes -000054794512 -000081191781

-000191780822 -0001917808 -000246575342 

And when thus the Interest of one Pound for one Day and any Rate is found, then that Interest, multiplied by 2, 3, 4, 5, 6, 7, 8, and 9, Se. gives the interest of any Suns of Money at the fame Rate. Take an Example at 5 l. per Cent. Interest of 1 l. for 1 Day is coco8219178

2-00016438356

Litti

9-00024557534 -00031876712 -00041095890 -00057534246 -00073971602

(398) And then it is easy to find that the Interest of a l. being,

IN

EXAMPLE 6. I, 1000 per ann, what is that per Day?

2.739 Anfw. L 2:14:9 5

zo will be coo8ss 4 - 008119 1000-082191 

Because moving the Point of Separation still one Place Because moving the Point of Separation fill one Place nearest to the Left-Hand, multiplier say Decimal by 12, 100, 1000, 55c, as is there under Decimals. And thus 100, 1000, 55c, as is there under Decimals. And thus Rection that Service is the Place of the Place of the Bergins of the Place of the Place of the Place of the Perkinson force Place, it is proper to said one to the lalf Figure retained, when the next Figure to it, which is omitted, exceeded j.

as before, 000082, &c. that of

To finish this Account of Interest, we shall here sub-join the ingentious Bir. Europe's new and universal Method of Simple Interest, correctly, concilidy, and cassly find-ing the Interest of any Sum, for any Number of Days, at any Rate per Cent. by one General Rule.

ADIX 13 3 4 5 6 7 8 9 19

(ADIX 1000027397 37 L Secting. (General Raile) multiply the Principal, Time, Rate, and Radix one into another, and it's done. RADIX

EXAMPLE 1. Interest of L 271 for 112 Days at I. 3 per cent. per ann. 20352 3

> 91056 2-4654 13

2.494 Anfw. L : : 2 : 10 F EXAMPLE s.

Interest of l. 110 for 71 Days at l. 5 per cent. per ann. 11 78x 4 3905 .8210 12

EXAMPLE 3. Interest of 5000 l. for 60 Days at l. 4. per cent. per ann.

> 3' 4

32. 876 Anfw. L. 32: 17: 6 T

1.069 Aufw. L. 1: 1: 43

EXAMPLE 4. Interest of 1. 800 for \$25 Days at 1. 6 per cent. per ann. x ...

6

16.438 Anfw. 1.16:8:9 T.

Any Annual Sum given, to find what that is per Day. EXAMPLE 5. 1. 164 per ann. what is that per Day !

-2739

.1643 109 5. d. Anfw, 8:115 -449

In Example 1. We principal Time and Rate multiplied too into another, misse perigd, by the Month of multiply the continuation of the principal Time and Rate multiplied too into another, misse perigd, by the Month of Month of the Month of

Contradion.] A Cypher or Cyphers (having no Figure to the Right) may be cancelled (I have noted them with Continuents, A Cypteer or typpeer justing no e-guere and the property of the p

INTERJECTION, in Grammar, is an Expression u-fed to denote fome sudden Motion or Passion of the Mind; as ob i be! Se. As the greatest part of the Expressions ufed on the occasions, are taken from Nature alone; the real Interjetions in most Languages are Monosyllables. And as all Nations agree in those natural Passions, so do

And as all Nations agree in their natural Nettlines, for do-they agree in the Signs and Indicators of them; as of Love, Mirth, Un. Some deep the Interplients to be Words, or any part of Speech, and make them mere as-pected by the Montano of Indicators of the Mind, ex-pected by the Montano of Indicators of the Mind, ex-pected by the Montano of Indicators of the Indicators, particle by the Indicators of Indicators, the Indicators of Indica-tions, and mult be reprefered in Difficulties, and is a necessity in large and the Indicators of Indi Adverbs and Prepositions, calling them all by the general Name Partiele

INTERIM: A Term bormw'd from the Latin, fignifing in the second and the contract was to be a second and the property in the use in order to complete the Diluthonson of Geometry. It was a kind of Ordensance or Regulation of Geometry. It was a kind of Ordensance or Regulation of Regulation Regulation of Regulation Re fying in the mean time. Charles the Vth was the first who

(399)

Instaints made; the one call'd the Interim of Leipfie; the other made by the Divines of Francosia, who retiting to accept the two former, made another for themfelves.

INTERLINEATION, formething inferted between

INTERLOCUTORY ORDER, is that which decides INTERLOCUTORY ORDER, sethat which decides not the Canfe, but only fettles from intervening Matter relating to the Caufe; as where an Order is made by Motion in Chancery, for the Plaintiff to have an Injunction, to quit his Policition till the hearing of the Caufe: This,

to quit his Pedicilion till the heating of the Caulé: This, or any other late Order, not being final, a instrinseray. INTERLOFF, is to insercept or distrib the Traintern of the Caule of t

INTERLUCATION, in Insteading, as a letting in of Light between, by Jopping, or cutting away of Boughs. INTERLUDE, an Entertainment exhibited on the Theatre between the Acts of a Play; to assist on the Speciators while the Actors take breath, and fulfit their Drels; or to give time for changing the Scenes and Decorations. These Interludes usually consist of Songs, Dances, Feats of Activity, Conforts of Music, Es. In the antient Tragedy, the Chornes sung the Interludes, to show the Intervals between the Acts. Appliede and Hunare give it for a Rule, that the In-Acts. Suppose and promote give it for a Mais, that the Bertheld fload confill of Songs built on the principal Parts of the Druma: But fince the Chorus has been laid down, Dancers, Buffoons, Sc. ordinarily furnifi the Inter-looker. INVTERMEDIATE, formething betwist two. It is really underticed of the Space of Time clapfed from any

fuelly underliced of the Space of Time clapted from any certain Point to any other. INTERMEWING, in Falconry, is an Hawk's Metting from the fift Change of her Coat till the turn white. INTERMITTENT figuities a Cellation of any parti-cular Adison for fore time, and that Time is called the Interval: Thus Fevers which go off, and foon return again, as also any other Diffempers, are called Intermittents, in opposition to those which are always continued; and a Pulle which after to many Strokes, flops, or lofes one in its due time, is call'd an intermitting Pulle. With regard are due time, as call'd an intermitting Fulle. With regard to this it has been obletted, hat as often as the Ventri-cle is much inflared with Wind, the Nerva or Pleast Car-alisans at its Orline multi fuller a Contraction, which being continued to the Heart, will occation a Twitching 5 and this, as it is more or leds violent, will preduce a fimple latermifican of Pulle, or a real Pulpitation of the Heart INTERNAL ANGLES, are all Angle made by the

Sides of any right-lin'd Figure within: also the two deples between the parallel Lines on each fide the croffing Line, as o cand c in the Figure are call'd the two internal /ngles, and are always equal to two right are always equal to two ngur ones. The Anglese and dure also called internal and opposite An-gles in respect of a and b. The Sum of all the internal Angles of any right-lin'd Figure, is equal to twice as many Angles as the Figure hath Sides, except 4. For fince every fuch Figure from a Point taken with-

Figure from a roint taken with-in it, can be divided into as many Triangles as it hath Sides, and fince the Sum of the Angles of each Triangle is equal to 2 right Angles (32, Prop. 1. Escl.) that will make twice as many Angleras the Figure bath Sides; from which Sum take away all these Angles about the Point e, which (by 13. Prop. 1. Esd.) are equal to 4 right ingles; wherefore the remaining Sum of all

the internal Angles is equal to twice as many right Angles, as the Figure hath Sides, except 4.

NYERNODII, in Beanny, are those little Spaces contained between any two Knots or Joints of the Stalk of a Plant; and in Anatomy, the Extensives Passes, which fee, are also in called.

are allo fa called.

INTEROSEI MANUS, are the Mufcles which more the Fingers, thus called from their Situation, as being constant between the Spaces of the Bones of the Measurement of the Bones of the Measurement of the Spaces of the Measurement of the Spaces of the Measurement of the Spaces of the Measurement of th

of the Mesacarpus next the Carpus; and being inferted on the internal Sides, of the first Bones of the Fingers with the internat Sides, of the first Boses of the Fingers was the Lowdericale, they are the Addisoned Digrams, for they bring the Fingers to the Thumb. The other half are con-tained in the Spaces that the Boses of the Mentampus leave on the Back of the Hand; they tife from the upper Part of the Boses of the Mentampus, next the Carpus, and are inferred on the external Sides of the Intil Boses of the Thumbus and India and India and India and India.

are inferred on the external slates of the first Bosses of the Fingers, and thesia ext the distillative Digitarium, for they draw the Fingers from the Thumb. The they draw the Fingers from the Total in Number, UK, Origin, and Inferred, they offer were actally to those of the Hand. See Interesting the one of the Total to those of the Hand. See Interesting the American JATER/RUALITION, a Terms used by the Critics in JATER/RUALITION, a Terms used by the Critics in JATER/RUALITION, a Terms under by the Critics in formed prefrom Additions are an interpolation. P. Reinsert made. For the aftercriting in Interpolation, P. Reinsert fome frantos Additios of Allerations have been fines made. For the attentioning in Interpolation, P. Reisen, gives us the five fullowing Rules. 1. That the Frice Gap-poled to be interpolated appear to have all the Aminquir it pretends to . 1. That there be good Proofs that it has been interpolated. 2. That the Impoled Interpola-tions agree to the I time of the Interpolation; 4. That the Interpolation does to routh the Foundation of the Work, be the Refulled of the Research of the Refulled the Refulled of the Refulled the the Refulled of the Refulled Work.

INTERPOSITION, the Situation of a Body between The Teach of the Country of the Coun

the Bloom by the Interpopues of the Laren Detween use San and Moon.

INTERPRETER, a Perfon who explains the Thoughtr, Words, or Writings of fome others, which before were unintelligible. The word Interpret, according to Iffiliar, is composed of the Proposition inner and parts, as fignify-ing a Perfon in the middle betwire two Parties, to make them mutually understand each other's Thoughts. Others derive it from inter and pres, i. c. Fidejuffer, a Person

who cautions another.

who cautions another.

There have been great Debates about interpreting the Scripture: The Romanife contend, that it belongs ablied leatly to the Church, adding, that where fite is filent, Reason may be confuted; but where the frenks, Resion is to be differented; but where the frenks, Resion is to be differented; but where the frenks, Resion that the confuted is to be differented; but where the frenks, Resion that the confuted is to be differented by the confuted in the confusion of the confusi Reaten the Sovereign judge in the Cate; tho fome a-mong them have a firong regard to Synods and others to the Authority of the Primitive Pathers. Laftly, others have recourfe to the Spirit within every Person to inter-pret for them. Which is what Beobure calls attacks of

INTERREGNUM, the Time during which a Throne is vacant, or a Kingdom without a Head. In Heroditary is vacant, or a Kingdom without a Head. In Herodinny Kingdoms there are no Interceptanus, a least they are very rare. In Elective Kingdoms, the Interreguanus are ex-tremely liable to Factions and Diforders. In Germany, the Emperors have lost the greatest per of their Domi-

the influence has not the greatest part of their point-nions during the Interregimen.

INTERREX, a Magistrate who governs during an Interregimen, or in the Interval between the Death of a Monarch, and the Election or Inauguration of his Succe-for. This Magistrature was established in old Raue, and was almost as antient as the City itself. After the Death of Remulas there was an interregram of a Year, du-Denbo fi Remalar there was an interception of a Year, da-ring which the Sentent were each larger in their tran-ge which the Sentent were each larger in their tran-tal properties of the properties of the control of their and a Compressional to the Bellin and a Compressional to Compression of Name and Parallel and of Astrone was the Parallel Remains of the Compression of Compression o according to the Rules. Indeed, at first it was not the Cashon for the Interves to hold Constitus 3 at least we have no Instance of it in the antient Rossen History. The Parisis alone had the Right of electing an Interves. This Office fell with the Republic, when the Emperors made themselves Masters of every thing.

INTERROGATE, a Judiciary Act, performed by a Judge or Commissioner deputed to examine or question a Party; who first gives his Oath that he will answer

Party; who next gives his Oath that he will answer truly to every thing he is interropated.

INTERROGATION is a Figure in Rhetoric, in which the Pation of the Speaker introduceth a thing by way of Question; to make its Truth more conflicteous. It is a kind of Apolitophe which the Speaker

makes to himfelt'; and it must be own'd, that this Figure adds an uncommon Briskness, Action and Force to Difcourfe.

courte.

Interogation, in Grammar, is a Point which ferves to dillinguish fach Parts of a Difcourfe, where the Author freaks at if he were asking Quefition. Its Form is tois: ?

INTERRUPTION, is the fame with Dajunckion of Proportion in Geometry, it is paced that (x) and fignificant he breaking off of the Ratio in the middle of four distinction and former and the proportion in the middle of four distinction and former and the proportion in the middle of four distinction and former and the proportion of the proportion in the middle of four distinction and former and the proportion of the proportion o

disjunct or diferere Proportionals, as A : B :: C : D; that is, as A is to B fo is C to D.

Interruption is also a Figure in Rhetoric, wherein a Perfon breaks off his Diffeourse suddenly, to show some Pas-

INTERSECTION, in Mathematics, fignifies the Point or Line wherein two Lines or two Planes cut ca Thus we fay, that the mutual Interfection of two Planes is a Right Line. The Centre of a Circle is in the Interfee-iameters. The Central Point of a regution of two Diameters. new or two Dannerers. The Central Point of a regu-lar or irregular Figure of four Sides is the Point of Inter-fellow of the two Diagonals. The Equinox happens when the Sun is in the Interfellow of the Equator and Ecliptic, INTERSOILING, is Hubbandry, is laying one kind of Soil or Mould upon another; as Clay on Sand, Sand on Eagle, etc.

on Earth, CENALES COLLI, the Name of five Pair INTERSPINALES COLLI, the Name of five Pair of fmall Muckes difcover'd by Mr. Oweper; and by him fo call'd from their Position. They arise from each double Process of the Spine of the Neck, and run from the upper one to the next below, into which they are inferted. They ferre to approximate and draw together the Vertebre of the Neck, and are more especially proper to this Part, as having both Origin and Insertion in it.

INTERSTELLAR, is a Word used by some Authors to express those Parts of the Universe that are without and beyond our Solar System; in which are supposed to be several other Systems of Planets moving round the De teverat other Syltems of Planets moving mand rhe fixed Stars as the Centers of their religedire Motions: And if it be true, as it is not improbable, That each fixed Star is thus a Sun to fome habitable Orbs, that move round it, the Interfletiar World will be infinitely the greater part of the Universe.

INTERTURS, or INTERDUCES, in Architecture,

INTERTIES, or INTERDUCES, in Architecture, are those finall Pieces of Timber that lie horizontally betwixt the Summers, or betwixt them and the Sell or

INTERTRANSVERSALES COLLI: Certain Muf-

cles between the transverse Processes of the Versebra of the Neck, of the same Size and Figure with the Interspimales, and observed by the same Author. See Philosoph,

Transatt, vol. 21, p. 132.

INTERVAL, the Diffance or Space between two Extremes, either of Time or Place. The Word comes from the Latin Internalism, which, according to Ifidore, fignifies the Space inter Feffans & Maram, between the Dirch and the Wall. Orbers fay, that the Stakes or Files, driven into the Ground in the antient Roman Bulwarks, were cal-led Falls, and the interflices or Vacancy between them

INTERVAL, in Mufic, is the Difference between two Sounds in respect of Acute and Grave, or that imaginary Space terminated by two Sounds differing in Acuteness or Gravity. When two or more Sounds are compared in this Relation, they are cither equal or unequal in the Degree of Tune. Such as are equal are call'd Usijons, with regard to each other, as having one Tune; the other being at a distance from each other, constitute what we being är a diffance from eseh orlier, confliuter what we call an intered in fonke, which is properly the Diffance and an intered in fonke, which is properly the Diffance into Simple and Compound. A fimple forever is without Paras or Divideo, a Compound conflict of foveral letter Interests. But this Diffunction regards Profite only Enfects by the Diffunction of the Profite only Enfelt, by the Interest in the Compound of the Profit Enfelt, by the Interest in the Compound of the Profit of the Elifer which are in the, yet when we would make a found that the Compound of the Profit of the Compound of the letier which are in ufc, yet when we would make a Sound move for far up or down, we always pass immediately from one of its "terms to the other. What is meant then by a compound Internal, will be very plain: It is fuch, whole Terms are in Praclice taken either in immediate Suc-ceffing, of other where the Sound is made to rife and fall from the one to the other, by touching some intermediate Degrees fo that the whole becomes a Compelorition of all Degrees; so that the whole becomes a Compension of all the Intervals from one Extruer on the other. What we here call a simple Interval, the Antients call'd a Distress, and the Compound they call'd a Systom. Each of these fears and the Compound they call'd a Systom is and other left; but reby are always Difficed 3 but of the Compound or System, some are Concerd, others Distress. 'ris plain, camor possibly have any Variery; for here is no difference, as in Unitonance, which re there flows from a Relation of Equality, 'tis plain there can be

no Diffindtion: Unifons therefore must all be Concards, But an Interesal depending on a Difference of Tune, or a Relation of Integuality, admits of Vasitys; and for the Terms of every Interval, according to their particular Re-lation or Difference, make either Concord or Difference, Some indeed have relatinged the world exceed to Intervals, making it include a Difference in Tope, but this is precarious for as the word Consord fignifies an Agree-ment of Sounds, this certainly applicable to Unifion in the fift Degree. Introvals, "in plant, may differ in Magni-nucle, and there may be an infinite Variety according to the public Degrees of Tunes for there is no Difference fo great or little, but a greater or a lefs may possibly be conceived. 'Tis true, with regard to Practice, there are Limits which are the greatest and least Internals our Ears are Judges of, and which may be actually produced by

are Judges of, and what has been continued to the Numbers of Victor of Influment.

The Degrees of Tune are proportional to the Numbers of Vibrations of the fonorous Body in a given Time, or the Velocity of their Couries and Recouries. Now or the Velocity of their Confrés and Reconfre. Now their Defense in Time continue, as has been stready effects of their Defense in Time continue, as has been stready greater or left, as the Differences are; and 'fit the Quantity of their, which is the Budgel of the Madres of their desired and their be all of one openes; otherwise this Abturnity was rollow, that the fame two Soonds may make different Inter-vals. To deferibe the particular Methods of meafuring the Inequality of Intervals, would be too tedious; this one Rule may be observed, that, to determine in general, which of two or more Internals are the greatest, take all the Ratio's as proper Fractions, and the least Fraction will

be the greatest Interest.

The Antients were extremely divided about the mea-furing of Intervals. Pythagenu and his Followers meafor'd them by the Ratio's of Numbers. They supposed the Differences of Gravity and Acuteres to depend on the different Velocities of the Motion that curies Sound's and thought, therefore, that they could only be accurately mea-fured by the Ratio's of those Velocities. Which Ratio's were first investigated by Pythageras, on occasion of his were first lovelligated by Polytopers, so excelled of the spilling by a Smith's flow, and obstrony a Coscord be-ware the Saural, of Hammers thriving on the Avril. The Saural of Hammers thriving on the Avril. The Saural of Hammers and the Saural of the Saural was the only Judge in the Different is the other boing two Saural on the Saural of the Saural of the Saural was the only Judge in the Difference of the chain and yill, the Hammers of the Saural of the Saural of the Saural by the Earst and by the Difference of the chain and yill, the Earst could highly of the presented to mention every Joversal by various Additions and Substitutions made of the Saural of the Saural of the Saural of the Saural of the Various Saural of the Saural of the Saural of the Saural of the Various Saural of the Saural of the Saural of the Saural of the Various Saural of the Saural of the Saural of the Saural of the Various Saural of the Saural of the Saural of the Saural of the Various Saural of the Saural of the Saural of the Saural of the Various Saural of the Various Saural of the Various Saural of the Various Saural of the S tack mentioned one with another: But this Method is very inaccurate. Prolewy keeps a middle Courfe betwise the two. He finds fault with the one for defpifing Rea-fon, and with the other for excluding Senfe; and flews how thefe two may mutually affilt each other in this Matter. See Tree, 15c.

Matter. See '1888, 15c.

INTESTATE, a Perfon who dies without making a Will. An Heir ab Inteffets, is a Perfon who inherits an Ellate by fome other Right, than that of Will or Teffament. Hereforter, those who died Inteffare, were held infamous, and accurfed; in repard, by the Canons of femiliary and accurred in the property of the p veral Councils, every Person was injoin'd to bequeath a part of his Estato (and Masthew Paris says it was at least part of his Eltato (and Mathèus Paris fays it was at leaft to be a tunh part) or the Church, for the Safety of his Soul; which, a Perfor who neglected to make a Will, and to leave this Legacy to the Church, was pindg'd to have abandon'd. Several Councils rook or them to command the William of Olivier Book or them to command and add to several Countries took to the the charitable to the Church; and this they did to carneftly, that Abfulu-tion and the Viaticum were denied to those whom they rom and rate validation were demied to those whom they could not prevail on § 6 that they made no difference between the Sentylates and Self-Murderets; and they were allke denied Christim Barial. Do Compe adds, that all who died without Abfolution, without receiving the Vi-acium, and without leaving Alms to the Church (even though the Cudenty) had their Effects feired and con-ficient on the Cudenty and the Property of the Cou-fficient of the Cudenty and the Property of the Cou-fficient of the Cudenty and the Property of the Cou-fficient of the Cudenty and the Property of the Cou-fficient of the Cudenty and the Property of the Cou-fficient of the Cudenty and the Cudenty of the Cude

In our English Law there are two kinds of Intelligents, the one of falls, which are those who make no Will at all, which are the work, which are those who make a Will; but the other de pare, which are those who make a Will; but it is null and void, either from the Executors resusing to act, or from some other Cause in which he is judg'd to die intestate.

INTESTINE MOTION, of the Parts of Haids. Where the attracting Corpufeles of any Fluid are elattick, they must necessarily produce an Intefirme Mation; that is, a va-sible Motion or Change of Place among the minute Parts note atotion or vaningle or frame among the minute ratis of a finill doly; and this greater or lefs according to the Degrees of their Elalicity, and attractive Poeces. For two elaffic Particles after maceting will fly form one another (abstracting the Refulance of the Medium) with the Iame degree of Velocity, with which they mer: Eur when in flying back from one another, they approach other Particles, their Velocity will be increased. See Elasticity

INTESTINES, in Anatomy, are the fame with what we ordinarily call the Guts or Bowels. These seem to be no-thing but a Continuation of the Stomach, confishing of the fame Number of Coats, and fabricated in the fame manners fame Number of Usats, and tabricated in the fame manners, they are protected with various Grunuvolutions and Inflex-ions to the Joseph American Control of the Control into part of their Contents out of the Body. They are, when (sparted from the McGentery, to which they are all along connected, of a very great Length, ordinarily about fax times at long as the Ferfons whole they were. And the hely fent to be but one continued Channel or Fitula,

they fent to be but one continued Channel or Firlita, yet heardis for everal Burtu bar Magniade, Figure, and Takkanks rea different, shey are in general divided atto the thick and him, and their egains occas of them eliga-ted the state of the state of the state of the con-traction of the state of the state of the state of the Schowness and Hows; and the thick Cornel. Oxfortion, Schowness, and Hows; and the thick Cornel. Oxfortion of the Certain Cornel of the Schowness of the Schowness, and Hows; and the state of the Schowness, and the state of the Schowness, and the Schowness, and the state of the Schowness o ourface being formewhat more uneven, and the Contents

The first of the thin Guts is called Danderson, and rea-ches from the right Orifice of the Stomach, as far as the Ferribre of the Back on the left Side, where, at the first Angle made by the Intestines it ends, which is about it Inches, from which Measure it feems to have taken its This Meafure however is far from being very Name exact, as being much too largely computed. Into this Gut the Gall-Duct and Panereatic Duct empty themselves, and their feveral Liquors mix with the Chyle. The next Intestine is the Jejunam, so called, because it is generally Indigine 18 the Community, located, because it is generally found more empty than the relig which may be occasioned partly by the Fluidity of the Chyle, which is greater in this integline than in any of those that follow it; a and partly by its Capacity, being fornewhat larger than that of the Dadekows, and therefore it gives a tree Passing, and the present it gives a tree Passing, and the passing t and perhaps alto the Irritation of this Gut thro' the Acti-mony of the Bile, which is dicharged upon the Intellines a little before the beginning of this Gut, may contribute founching towards accelerating the Palage of the Con-tents. However, it may feem fufficient, that thro' the great Number of Ladeals, with which this Gut aboards more Number of Lacreats, with which this Gut abounds more than any other, the Defent of the Contents, which are here deprived of the mofi fluid Parts, flould in the reft be more fluggifh, by reason of their greater Confillence. This Interpret is allowed to possess almost the whole Umbe about twelve or thirteen Hands breadth. The Braye, which is the third Intelline, is fittanted below the Navel, and fills the Ilia with its numerous Folds and Convolutions and fill she that with its numerous Folds and Convolutions. It is the benged for all the Intriffuse, being electment to be one and twenty Hands long: But their Editions are are formed by the Hands long: But their Editions are are formed by the Hands long: But their Editions are are formed by the Hands long: But their Editions are formed by the Hands long in the Hands long in the first him and the preceding Intriffuse, the Inter Tunic is much consequently, the local Folds of which have been thought one of the Hands long in the Hands long in the Hands are finance, as the Hands long is the Hands long in the Hands long in the Hands long in Hands long in the Hands long in Hands long is the Hands long in the Hands long in the Hands long in Hands long being larger than the outward.

being larger than the oneward.

Next follow the thick langilines, the first of which is called the Ceens, which has a lateral insertion into the upper end of the Colon, and is not perforated at its other Extremity, but hange to it like the Finger of a Glove, and is about three of four lackes long. The true Use of and is about three of four lackes long. Extremity, but hange to it like the Finger of a Goivey, and is about three of four Inches long. The true Ulo of this part is not yet determined, and fome late Anatomitis have thought that the Name likewise is miliaken, not allowing this to be the Cream of the Antients, which they have the control of the Color, which they have the color of the Color, which imagined to be that thick globous part of the Calon, which is immediately appended to the Illum, and therefore they is immediately appended to the Hemm, and therefore they have given this part the Name of Appendual Fermifronia. This Cream, or Appendua, is proportionably bigger in Intuits than Adult, and in many other Animals oven final-ler than in Men, and it, at the unperforance Extremity, tightly connected to the right Kidney. The next of the thick Integlines is the Colon, which is much the largeft, and

capacious of them all. It begins with the Come and is with that connected to the right Kidney, and is with that connected to the right Kidney. Thence with a winding Coarfe it proceeds towards the Liver, where it is formetimes tied to the Gall-Bladder, and by that tiaged with yellow. From the Liver it runs a-crofs under the Bottom of the Stomach, where it is by very fine toin Membranes failined to the Spleen, and marches over the left Kidney. Where is Coarby the Greek in Coarby the Computing Special Coarby. fine tim Membranes failined to the Subten, and mirches over the left Kohney, where in Cavity is fonctimes very much freighted, and defectability to the bestorm of the Commission of the Paramateristic in Placed a Pales, formed out of the Production of the instant Cost of the Hone, which, like have been commissioned to the Commission of the Commission of the Production of the instant Cost of the Hone, which, like have been commissioned to the Commission of the Commission of the Local Commission of the Commission of the Commission of the page 1600 in the Certain of the Execution of the Commission of the in Honey the Commission of the Commission of the Commission of the in Honey the Commission of the Commission of the Commission of the Internation of the Crimitative Money, it proves not fair. it flops the return of the exerciments, the 'upmentures, as in Inverfience of the Perilability Motion, it proves not fafficient for that Ufe. It has a great many 'Celle's, or, as it were, diffined Cavities, framed by a Canefation of the Gut by two Ligaments, or Bandles of membranous fielly Fibres, about half a Finger broad, each running on cities fide the Gut opposite to each other, the whole Length of it, and as it were girting it in a certain Diffunces, there-by making it refemble a Glafs Incorporator, afed in mixing Oil and Vinegar. The next and laft of the In-reference is the Retium, which reaches from the Oil Sariems to refines is the Kestam, which reaches from the us access to the drast, and is plain without Cells. It is fast tied to the Offa Sarson and Occepts, by means of the Personans, and in Ment or the Neck of the Bladder of Urine, in Women to the Fagina Urers, to which it is strongly connected by a membranean Sublance. That Sublance of the Faginal Least as health difficuntiable from one sone a membraneas Subliance. That Subliance of the Fagi-ass and Intelline are hardly diffinguishable from one ano-ther. The Length of this Gut is ordinarily about a hand? Breadth and an half, and its Capacity about the Thick-uels of three Fingers is its lower end, the Ama, is for-nished with three Markles, wis. the Sphiniler Ami, and Lees Ani 5 which fee.

causers sin, which fee.

There are also in the Intellines, a great Number of Clands, which, in the Lateglines Tennes, are guthered to together in Heaps, as it were like Banches of Grapes, in the file Intellines they are very finall, and were it not for their Concervations, ferere remarkable. But in the lateglines are guthered to the Concervations for their Concervations for their Concervations for their Concervations for their control to the lategline of the their Conference of the Concervation for their control of Maliney China.

Their Glands differance as Lagouer into the Intellines, when the Concervation for Incite Oliands oiseaage a Luquor into the Integrants, wan-ther ordinarily for any thing mere than the Labrication of the Integrants, and diluting their Contents, is not cer-tain; it his three theef feems the greatest part of the Difcharge to be made, which, either upon extraordinary Flaxes, or upon the Administration of Catrocics, we have frequent Occasion to observe. These Integrants, are invisibled with Blood from the Melenneric As-general, are invisibled with Blood from the Melenneric Asteries, which is returned by the Meferale Veins: But the Duelerson receives a Branch of an Artery from the Co-line, which is called Duelers, to which answers a Vein of the same Name, that likewife returns the Blood to the of the fame Name, that likewife returns the Bloom to the Perra 3 the Relinm receives others, which are called Hosser-rbiols 3 the internal from the inferior Melenteric, and the rbiols 3 the internal from the hypogaline, with Veins corresponding external from the Hypogaline, with Veins corresponding of the fame Name, that all 6g not the Fame. These Veffels fpread the Inteffines with abundance of Ramifican less preeds the Integrine's with abundance of Mamifications, and are frequently divertified in feveral Subjects of the fame Species; much lefs are they to be depended upon for an uniform Appearance in Animals of different kind. The Nevere of the Inteffines come fome of them from those of the Stomach, and fome from the great Metentric Plexus, which diffributes Branches to all the Inteffines. The re-

which distributes Branches to all 'the Intestines.' The re-maning Velidic of the Intestines to the Lymphesials, and I view Laster, which lies.

INTRIGUEL, an An Entire high experiment pre-tributes and the state of the Intestine Community of the Intestine Community of the Intestine Community of control of Glickon, what have their Feet instangled in Hair, and is derived from the Greek's and stags. In this feeth Interior is used to lightly the Nockas, or Plot of a Thay or Romance, or that Tome wherein the Plot of a Thay or Romance, or that Tome wherein the Plot of the Intestine Community of the Intestine Community of the Intestine Community of the Intestine Community of the Plot of a Thay or Romance, or that Tome wherein the Plot of a Thay or Romance, or that Tome wherein the Plot of a Thay or Romance, or that Tome wherein the Plot of a Thay or Romance, or that Tome wherein the Plot of a Thay or Romance, or that Tome wherein the Plot of a Thay or Romance, or that Tome wherein the Plot of the Tome of Tome Intestine Community of the I

principal Chareders are the molt embardied, through the Artifict and Opposition of certain Fericos, or the unformatte falling out of certain Accidents and Crasmillanders and Crasmillan

fite Efforts; the Solution or Catalityphe commences whose the Koste begins to mercha, and the Difficulties and working the solution of the Catality of the Cat of America in state, the feecod in his Klishilimment there. The Opposition he men with from "ms, in both those Understanding and the America and the Country of the America and Subject of the Form. Bylin gives as three Manners of Country of the America and Subject of the Form. Bylin gives as three Manners of Country of the America and Subject of the Form. Bylin gives as three Manners of Country of the America and Subject of the Form Bylin gives as the America and Subject of the Poet; ju the third the Intringing in folial, and that the Solution follows from it of coarte. So Country of the Poet; ju the third the Intringing in folial, and that the Solution follows from it of coarte. So Country of the Poet ju the third the Intringing in folial, and that the Solution follows from it of coarte. So country of the Poet ju the third the Intringing in folial, and the Solution of Coarte.

firsphe.

[AVTRINSIC, a Term applied to the inner, real, genuine Values, Properties, Se. of anything, in opposition to their extrinsic, apparent, or popular Values, Se. INTRONATI, the Name of an Academy at Senna in Italy. The Members of this Academy contented them-

Italy, The Members of this Academy conference themselves, at their field Inflittation, with childlifting the following fix floor Lawer (1). To pay, (3). To thus, (1). To thus, (2). To thus, (3). To thus, (3). To thus, (4). The thus credit now lightly. (6). To let the World milk.) Not no credit now lightly. (6). To let the World milk.) INTRUSION, in the Canon Law, fignifies the Enjoyment of a Benefic, or the Exercise of an Office, without a good Title to it. Interplied diqualifies the Farry from the Lawn York interplets, the law ill. or enter of Favor from the

Latin Verb intraders, to threat in, or enter by Force.

INVALID, a Perfon wounded, maimed, or difabled for Action by Age. At Chelfea and Greenwich are magnififor Alian by Age. At Cheffor and Greenwish are magnificant Helpfields, our trafter Colleges, but it for the Receptor Helpfields, but it for the Receptor Helpfields, and defished in the Service. At Paris' is a College of the fined Radillings in that Gry.

General Radillings in the College of the Green Helpfield in the Radillings in the College of the Green Helpfield in the College of the Colleg

things that are new. The state of the state things that are new. Rhetorical Inventors is only out of the Stock of Know-ledge laid up in the Mind, to felect fuch Articles as make for the purpote. The fame Author divides this Faculty of Invention into two Parts, the one topical, the other promp-rary 3 the fift points out the way in which we are to purfue the Argument, the latter only lays up and diffuois parine the Augment, the fatter only tays up and dipote ahings, for which we have frequent occasion in the Mind. incention, in Poetry, is understood of every thing, that the Poet adds to the History of the Subject he has chefen,

the Foet adds to the JHMMY of the Subject he has chotten, and of the Turn that he gives it.

Inventors, in Painting, is the Choice which the Painter makes of the Opicts that are to enter the Composition of his Piece. Do Pile observes, that Invention is different from Diffordition, and that "its those two things together his Piece. Die Pale oblerves, that hemotion is different that the control of the pale of t

Janjon d'Alsoclesces has written au Onomafticon of Js-centions, wherein are shewn, in an Alphabetical Order, the Names of the loventors, and the Time, Place Sc, where they were made. Parsonless has written a Trea-

one course or the foreign, and the Time, Place, Eff.

the Committee of the

not restrictly storces, to possible be no further changed became, in Trees, in Life to previously valuation of Garden (1988) is a lattle or periodical valuation of Garden (1988) is an anteriod of a matter of working the Ratle of Three, or of Propertien, that ferms to be in-worted, or to go backwards. In the Ratle of Three di-fearsh; that, if the fecond became the find in our flowers, fourthy, that, if the fecond became the size of the tens the third in the fine Properties. But in the fewerly as the fecond is left state the first. In the merely Ratle, therefore, the Torperties is one, as the fift is no the fe-tor-flowers of the fecond on the third. For inflance, in the first, to is the fecond on the third. For inflance, in the first, the first of the feton of the first of Tapeirry colle-tions and the form of the feton of the first of the first to the first, the feton of the first of Tapeirry colle-tors, and the free feton of the first of the first on the results of the free feton of the first of the first on the results of Tapeirry of the first of the first on the results of Tapeirry of the first of the first on the results of Tapeirry of the first of the first on the results of Tapeirry of the first of the first on the results of Tapeirry of the first of the first on the first of Tapeirry of the results of the first o ty. In the Inverse Rule we tay, If twenty Workmen make ten Yards in four Days, in how many Days will forty do it? The Answer is in two Days.

INVERSE PROPORTION. See Proportion.
INVERSION, an Action, by which any thing is inverted, or turned backwards. Problems in Geometry and Arithmetic are often proved by Inversion, or making a con-

trary Rule or Demonstration

trary Rule or Demonitration.

InVVRRSION, in Grammar, is where the Words of a LivVRRSION, in Grammar, is where the same the property of the same of of th

Design.

INVEST figuifies to confer on any one the Title of a Fee, Dignity or Office, or to ratify and confirm what has been obtained elfewhere. The Emperor pretends to a Right of fiverfring feveral Finces both in Germany and Italy. There was formerly a particular Ceremony for bearing for \$0.00.

the investing of Bishops.

the novelting or diffuse.

Reege, in the military Art, figuifics the opening of the Siege of a Place, and the incamping an Army roand it to block up all its Avenues, and to prevent all ingreis and Egreis. "This the Cavalry that always begin to incept a Place. The word comes from the Latin in and sefline, to

Piece. The word comes from the Latin is and splite, a schemel, in Law, Registee to put in polefilms. A Tenant is newfet by giving him a Verge or Red into his Hands, and administing an Oath, which is called herelying the latin in the Land, and administing an Oath, which is called herelying cheers, as give Livery of Scientor Polefilms. See herelyiners. INVESTIGATION properly inguistics the fear-tipe detects, in give Livery of Scientor Polefilms. See herelyiners. INVESTIGATION properly inguistics the fear-tipe of a Theorie I be Arts, Method, or Manner of Beding the activation of a Theorie I be Arts, Method, or Manner of Beding the add Perfon of any Verb, for removed from its Source. To understand a Gred Anthon, via abblicatly needf-gaing a Theore. Then Theme, in the Gred Toughe, is the prefer Tends of the Indicative Mood. Cleaned was againg a Theore. Then Theme, in to that yars where he reaches the manner of finding where any Perfon or Tends (Pallotto, or of finding its Indicative Mood. Cleaned was agree the Title Permiyears Tenastis, to that yars where he reaches the manner of finding where any Perfon or Tends Dillato, or of finding its Indicative Mood. Cleaned was agreed to the Cleaned of the Perfonding the State of the Performance of the Cleaned of the Perform of Woods, and the Company of the Cleaned was agreed to the Performed Woods, advanced by the Delivery of tech things as has it. Referenced by a Formed Woods, advanced to the Performed Woods and Performed

Forms of Invellitave,
INVOCATION, an Action by which we adore God,
and call on him for his Affilance. The Remanifes also prac-

and who the control of the control o not decent he flould fer them to work, without first ask-ing them leave. Indeed in the Course of an Epic Poem, ing them leave. Indeed in the Courte of an Epic Form, there are usually several Invocations, particularly where any thing extraordinary or miraculous comes to be related: as when Virgi describes the Mexamorphesis of Zhear's Fleet into Sea-Nymphs; but the first Invocation is always the most confiderable.

Zenaria Ficte imo Sega Nympha s bor the first Insection of always the medic anotherable, there was things a the first in what the Peter requestit, the focused to what Detry let and effect his lowest. As to the first, Hamer has joined referred his Newell. As to the first, Hamer has joined extensive the properties of the control of the

and moral Things. Thas the Mairs come to be offall Ages, Committee, and Religions; there are Pagen, Christian, Grock, Louin, and Employ Musics.

INVOLUTION, a Term in Allgebra fignifying the trailing of any Quantity from its Rose to any Height affects of the Committee of the Co

IN CASTON, and the second of Green by the Chiefer of a furf, and to flee the level were transferred as the func time, a floor, the level were transferred as the func time, a floor, the level were transferred as the func time, a floor, the level were transferred as the func time, a floor, the level were a floor, the level were a floor, the level were a floor, and the level were a floor, and the level were a floor, and the level were included by the Delivery of a floor, a floor, and could, by the level were a floor, and could, by the level were floor, and the level of known in an another Country.

[JOACHIMPTES]. And the level of known in the level of known related to Mm. Time, bectme, and Manner et Lung, into three Chiffe or states, according to the three Ferdina into three Chiffs or states, the state of the high all and ready, or was hereafter to facecal in items of the high all ready, or was hereafter to facecal in Time for Termany was that of Men. This comprehended three States or being called their Duffines Terminer. The first Termany was that of Men. This comprehended three States or being the states of the control of the states of the stat Year from Jelas Chinit to their Times; during which, the Spirit of Grace pression. Lattly, the thirt, which was to come, and which they called the Time of though to come, and which they called the Time of though continued to the Holy Spirit. Amother Ternary continued the Fatter, Non-Hord according to the Fifth; in the class the Fifth; and the Fatter, Non-Hord according to the Fifth; and the Spirit of the Fifth; and the continued to the Fifth and the Spirit of the Hord, which was to late to the cold of the World, a thirt, which was to late to the cold of the World, a thirt, which was to late to the cold of the World, a thirty which was the state of the Hord the World, and the World of the Hord the Hord the World of the Hord th to the Spirit. The Jackimites maintain'd, That in the last Times all Sacraments and Signs were to cenfe; and the Truth was to appear openly and mish the e Truth was to appear openly, and without any Veil.

JOBBER, a Perfon who undertakes Julia, or fm

Pieces of Work. In fome Statutes it is used for a Person who buys and fells Cattel for others. who buys and fells Cartel for others.

JOGH18: The Name of a Sect of Heathen Religious in the Engl-Indiac. They sever many, nor hold any rings in private Property's but live on Alms, and private Property is the five on Alms, and private for the private Property is the second of General, who find the private Property is the first private to preach. They see properly a kind of penine Publicate to preach. They see properly a kind of penine Publicate to preach. They see properly a kind of penine Publicate to preach the property and properly a first properly a kind of penine Publicate to Publicate Public fed to be a Branch of the antient (pseus/philir. They frequent principally feel Places as are conferenced by Devotion of the People's and precent to live feveral Days or properly without cating or draining. After having gove the properties of the properties of a certain Time, they look out therefore of inferious for a certain Time, they look out the properties of the pr

thing i spon which they give a Looke to their Pullous, and can total at moure of Debancher.

John, T. de Junchere, Articlation, or Affemblage of two or more things, John, in Articlation, or Affemblage of two or more things, John, in Articlation, or Affemblage of two or more things, John, in Articlation, or Affemblage of the control of the Articlation, or Affemblage of the Control of the Contro

Some other Friend in his behalf, marketh over no his Wife, on condition of Marriage, certain Lands and Tenements for Term of Life, or otherwise.

JOISTS, in Architecture, are those Pieces of Timber framed into the Girders and Sammers, on which the

Boards of the Floors are laid: They are from fix to eight luches fquare, and aught feldom to lie at a greater di-fiance from each other than ten luches, never than twelve; seasce from each other than ten inches, never than twelve, nor ought they ever to be longer than ene Foot, or to like lefs into the Wall than eight Inches. Sometimes the Carpenters furr their Saylit, as they call it, that is, slay two Rows of Saylis one over the other. The Control of the Carpenter of Saylis one over the other. JONCTURE, or JOINTURE: The fame with

Joint.

10NIC, in Architecture, is the Name of one of the five Orders. The first lides of it was given by the People of Issia; who, according to Virtusius, formed it on the Model of a young Waman, deckéd in her Hair, and of an activations. Show whereast the Deric had been found. eafy elegant Shape: whereas the Doric had been form'd on the Model of a flrong, robust Man. The lowic Column is the third in order; and is diffinguish'd from the Compofite, in that it has none of the Leaves of Acanthus in Capital; and from the Tufean, Deric and Carinthian, by the Voluce, or Rame-Horns, which adom its Capital; and from the Tufean and Doric, too, by the Channels or Flutings in its Shaft. Thefe Flutings are in number, s4-They are not always concave from the top of the Shaft to the bottom; but for that third of it next the Bafe, are parts of its Capital are different from its Sides. But this is attended with an Inconvenience, when the Ordonnanos is to turn from the Front of the Building to the Side: To obviate which, the Capital may be made Angular, as is done in the Temple of Farmon Verila. Scamooni, and fome cone in the Lempte of Farman Variats. Samessei, and forme other medern Architech, have introduced the upper part of the Competite Capital in lieu of the Issue; unitating that of the Capital is lieu of the Issue; unitating to render it mere beautiful, the Volute may be made a little coal and inclining. See Ooder and Valuer. Issue, Daulett, in Granman, is a manner of Speaking pe-culiese, the Daulett, and the Issue Capital Capit

Intic oras and including. See John Market Property of the Bown Dukel's, in Grammar, is a manner of Speaking peculiar to the People of Issue. At first it was the lame with the anticut duffe, but palling into offer, did not arrive at that Delicacy and Perfection to which the Athenisms at attaind. Inflaced of that, it rather degenerated, in Affa 186-186; being corrupted with the Admillion of forcing 1. dionis. In this Dialett it was that Herodom and Hipperster

wrote. wrote.

Innie Temfosirpation was hererofore a very celebrated
Epselse. It rouk its Rife from the Retreat of the Atherrisan Colonice, who, upon the Death of Codent, partnerfelves under the Command of his Son Nelson, and ethabillit'd the verelve Cities of Innia in Min. Thefe Colobillit'd the verelve Cities of Innia in Min. Thefe Colo-

feites under the Commund of his 800 Notice, and ella-bilité du teveler Cities of tein in ofts. Thefe Colo-nias, according to Europhiese, were elibbilité 20 Years points, 200 Notice and the Colonia of the Colonia points, 27 Notas neiter the asking of Tray. Jonic 601, was the fift of the amirat 601 to Philofe-phy, 1 the carbon were the holose and Euror. The Foun-tion of 1002. The Notas of the Colonia of the Colonia of the tray of the Colonia of the Colonia of the Colonia of the Colonia This was the Principle of all Nature Things. This was read and lance to in the beginning of the fifth

IOURNAL, a Day Book, Register, or Account of

JGURNAI, a Day Book, Regifter, or Account of what patiest ships what patiest ships what patiest ships with a Book ship was a beautiful the control of the ship was a beautiful the control of the Walfe-Book, and marked behow. This is to be very clearly see printed, and fairly composed.

"Journal", in Sea Adhira, in Register Leest yet the Property in the Ship from Day to Day, and from Hour to Hoar, with regard to the Walfe, the Rhamby, the Rale, Soundines, Etc. in order to enable them roadigate their Receiving, and determine the Place where

Tearnal is now become a common Name for many of our News-Papers, which detail the daily Transactions of Europe. It is also used for the Title of several Books

which come out at flated Times, and give Abstracts, Accounts, Etc. of the several new Books that are published, and the several new Improvement daily made in Arts and Sciences. The first Journal of this kind was the Journal des Journals, printed at Paris. The Defign was set on the Sciences of the has are no budy or tool baryto read sorter the hale of tuch as are two buty or too lary to read the entire Books themfelves. It feems an excellent way of fatisitying a Man's Cariofity, and of becoming learned upon eafy Terms: And to ufeful is it found, that it has been executed in most other Countries, the under a great spon cay technical and the Constant of Mani, and a present Varriey of Titles. Of this kind are the Philopphona Varriey of Titles. Of this kind are the Philopphona Varriey of Titles. Of this kind are the Philopphona Varriey of Titles. Of the Manifest of Leading and Leading of the Manifest of Leading and Leading of the Journal Varriey of the Journal Varriey of the Journal Varriey and Rights, benchmark, Gerichas, and Orense, have done formetising of the fame, kind. The Monney of the Journal Varriey of Blooks that he had red during his Embelling in the Durbyll of the Varriey of Blooks that he had red during his Embelling in the Durbyll of the Varriey of Blooks that he had red during his Embelling in the Journal Varriey of Blooks that he had red during his Embelling the Schotzer of the Varriey of Blooks that he had red during his Embelling the Schotzer of the Varriey of Blooks that he had red during his Embelling the Schotzer of the Varriey of Blooks that he had red during his Embelling the Schotzer of the Varriey of Blooks that he had red during his Embelling the Schotzer of the Varriey of Blooks that he had red during his Embelling the Schotzer of the Varriew of the Schotzer of the Varriew o

tracts of Books that he had read during his Embaffy in

Sh. Gab firth began the Suremit des Spramus ar Fors's in Stress, under the Same of the Silvar Holomolity is ten in Death Gon after increapped the Work. Upon this the way to the Abbot at the Rosey, who continued a final first the Abbot at the Rosey, who continued a final first the Rosey way to the Abbot at the Rosey, who continued to the Rosey and R M. Salo first began the Journal des Scapans at Paris in by M. Bayle in 1684, and carried on by him till the Year by M. Lughe in 1851a, and curried on by him till the Year 1557s, when M. Rope being difficult by oxfordis, has 1557s, when M. Rope being difficult by oxfordis, has certificated [on till 1559s, After an Interpretation of nine Years, M. Formed refused the Work, and continued it not the Lorentz Japanese of the Health of the Lorentz, After an Interpretation of the Month of the Lorentz, The Lorentz Japanese of the Month of the Lorentz Agen-continued in the Year 1559s, and continued recent five gain in year. The Montenty for a Blandy of Sections and After, disable called Month of Terents, from the Place Lorentz recipied for to a twelch (Volume in 175a, 1754). Literature reached but to a twelfth Volume in 1702, 1703, and 1704; these only take notice of antient Authors. The Jeannal Litteraire, by Father Higs, begun and ended in 1705. At Hamburgh they have made two Artempts for a French Journal, but the Design fulled: an Ephomer's Syaa Frende Stemmel, but the Defign failed: an Rebourn's spanner has allo been undertaked, but that foun diffuguered, when has also designed that the design of the spanner has allo been and was drope the Year following. That of M. Chouses and was drope the Year following. That of M. Chouses and the Stemmel Stemmel Was made at Grown. To their many the spanner has been designed to the fame kind was made at Grown. To their many the spanner has been designed to the fame had well as made at Grown to the Highter Literature & Is Growth Investigate, by M. & Is Resde, whereof there have already been found Volumes, and which is confined to England the spanner of the span Life Books alone.
The English Journals of this kind are the History of the

Works of the Learned, begun at London in 1699. Cenfora Temporom in 1708. About the fame time there appeared two new ones; the one under the Title of Measure of Li-terature, containing little elle but an English Translation of form Articles in the foreign Sourals, by M. de la Rache; the other a Collection of those Tracts, entitled Biblishbear Coriofa, or a Mifcellany.

The Italian Journals are that of Abbne Nazari, which

The Indian Journals are that of Abbit Nucara, which lafted from 1668 to 1681, and was princed at Rome. That of Venice began in 1671, and ended at the fame time with the other; the Authors were Peter Maretti and Francis Miletti. The Journal of Parma, by Raberti and Father Buc-

abini, was dropped in 1690, and refumed again in 1692. The Jaurnal of Ferrara, by the Abbot at la Torre, begun and ended in 1691. La Galeria di Menerca begun in 1696, and ended in 1691. La Galleria de Monresa Begun in 1696, is the Work of a Society of Men of Letters. Signior A-populo Zens, Secretary to that Society, begun another Jonath in 1710. under the Aufsice of the Grand Duke 3 it is printed at Venick, and Geveral Perfons of Dittinction have a hand in it. The Fight Evudus della Bildostbeca Volan-

re were published at Parma re were published at Termin.

The principal among the Lenius Journals is that of Leppie, under the Title of Alla Evalutrone, began in 1685. P. P. Manzami began another at Perma. The Nova Literaria Marsi Babbiel, Isiled from 1698 to 1798. The Journal of Humbosty, began in 1703. The Alla Literaria et Mamifeliphii, and the foldestives Gravilla, Babbiel and in 1703, and ended in 1703, are the Work of M. Serwiss. M. Kapler and M. in 1907, are the Work of M. Stravins. M. Kuffer and M. Selvin 1867b, Sepan albilities on fine Books, and continued it for two Years. The Suff I Journal, called Nor LL termin Hebreure was beginn in 1700 by M. Schookse's 2 and the Alla Scholar Lifering Ing. published by F. Bartholin, make five Volumes, from the Keat 1671, to 179.

There are two Law-Dusch Swamals; the one under the

Title of Baseka alvan Europe; it was begun at Raterdam in 1692, by Peter Ralbus, and continued from 1702 to 1708, by Medicurs Sewel and Gavern; the other is by a

The German Searnals of beil Note are the Monatlichen Un-The commitment of our Note are the Numericans, and the commitment of the Note are the Numericans, which hold from 168, no 168, The Billiodeca receiving the Note of the Note o erek, Kraufe, and Groschuffus; and a fourth at Hall, by

In 1882.

JOURNEY-MAN, from the French Journée, Day or Days-Work, anticuly fignified a Perfon who wrought with another by the Days the now by the Stature it extends to those likewife who covernant to work with another in their Occupation or Trade by the Year.

JULY Son Pleasure and Page 1987.

Pleasure and Pa

JOYNDER, in Law, is the coupling or joining of two Perfons in one Action or Suit against another.

JOAN DEA, in Law, at the coupling or joining of two JOAN DEA, in Law, at the coupling or joining of two JOAN DEA, the Art of working is Wood, and of fixing or affembling various Parar or Members of it together. The rends call it Sodayarie, from Misstaria, finding the contract of the coupling of the co

mitre, and le found one of the best and furest Recencies histore of discovered or a Dyfenerey.

In Modellik, a Strain in the old Phistophy, applied in the Company of the C

busing their Trust, and distressing and perfecuting the People, instead of maintaining Peace among them. The word is composed of the Greek spire, Peace, and appear word is composed or the uses appearance. Frince, from app., Command, Qiby of Reflection of the IRIS, a Rainbow, occasioned by a Reflection of the Rays of the San in a warry Cloud. The word is derived from the Greek eigns, to fpeak, to tell; as being a Meteor that is fuppoied to forcet Rain.

Let a Grandow all fine that fifteness Girdle next the Papil of the

that is tuppoled to forctel Rain. See Rain-low.
Fir figures all of that fibrous Girde next the Papil of the
Eye: See Eye. It alid figurities those changeable Colours,
which fometimes appear in the Gallies of TeleGoope, Microfcopes, &c. which are fa call'd from their Similitude to
a Rain-bow; as is that coloural Spectrum, which a Triangalar Prifmatic Glafs will project on a Wall, when placed
at a due Aeglo in the Sun-beam.

IRON, a hard, futible and malleable Metal, of valt Use in the Affairs of Life. It consists of an Earth, Salt,

The last feature in the last manufaction to the last feature and the last feature in t an Instance.

took the live in the better or Nove Disse at courser a similar from Three, are fivered kinds of lives, the have Properties very different from one other. As, L. Englis, which is a scoole, which of all others, is the best stidl at legislation and the similar free lives and the lives of the lives of the lives and the field and the lives and the field to whit, and in all rigides the best in section of the lives and the lives of lives of the lives of the lives of lives of lives of lives of the lives of lives of

firth Iron that rans from the Mine-Steen, when 'ris meltings, and is referred purely for the making of Wire.

Generally freaking, the belt lives is the lifetit and
tomplett, and that which, when the twesh; hi of an execumonaper of the many of the lifetit and the second of the lifetit and lifetit and

on it, while 'tis heating, and let it cool of itself.

Square and flat Bars of Iron are sometimes twisted Ornament; and the manner of doing it is this: After the Bar is Iquare or flat forged, they give it a flame Heat, or if the Work be Imall, but a blood-red Hear; and then or it to work be imail, but a blood-red item; and then
'its eafy to twift it about as much or as little as they
pleafe, with the Tonga, Vice, or the like.

The feveral Heats which Smiths give their Iros in

The feveral Hears which Smiths give their Irses in workings, are, 1. A fearling or weeking Heas, which is afed when they double up their Irse, or weel two Pieces which is used when the year has no in Form and Sise, but must be forged into both. 3. A blood-red Heart, which is suited when the Irse has laredy its Form and Sise, but waste a little hasmering to fineous and fit is for the Irse has largely in Irses and Sixe, but waste a little hasmering to fineous and fit is for the Irse Irses Irses and Irse break or crackle under the Hammer while 'is working, between hot and cold. For the Manner of making and preparing Iran, fee Iran-Works. 'To make Iran into Steel,

fee Seef., MOULDS are certain yellow Lumns of Earth, MONS, MOULDS are certain yellow Lumns of Earth or Stones, from his Challengin, about the Children in On-Stones, which is called the seed of the Children of London of London of the Children of London of the Children of London of the Children of the C

fining Specks, like Grains of Silver's this affords the greateril Quantity of Irws, but being melted alone, pro-teed for the property of the property of the Con-ference of the Control of the Control of the Con-trol of the Control of the Control of the Con-control of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Control of the Con-trol of the Control of the Control of the Control of the Con-trol of the Control of the excellent Temper of Toughness, that causerh this Iron to be preferred before any other brought from foreign Parts. be preferred before any other brought from foreign Part. After they have provided their Ore, their first Works in or elicite it, which is done in kilns, much after the fifthion or with Coal and Ore, Kilms trefer they fill up to the co-with Coal and Ore, Kilms trefer they fill up to the co-with Coal and Ore the Coal and the Coal with Coal and (III) and the Coal to the Coal Layer upon another: and for patting Fire to the bottom, they let it burn till the Coal be waited, and then renew the Kilms with freth Ore and Coal in the form vinancer as the Kilms with freth Ore and Coal in the form vinancer as the Kilms with freth Ore and Coal in the form vinancer as the Kilms with freth Ore and Coal in the form vinancer as

before. This is done without Fusion of the Mexal, and foreva to confiame the unere denty part of the Gre, and wish-ing, but are used in order Mexals. From hence they may hat are used in order Mexals. From hence they are the many states of the mean of the confidence of Stoor, about receip-four Foot figures on the outfiel, and star thirty Foot in Height within, not-above cipit or no Foot over where it is widel, which is about the middle p when the mean of the mean of the confidence of the con-location of the mean of the confidence of the con-traction of the mean of the mean of the con-traction of the mean of the mean of the con-traction of the mean of the two hige Fair of Bellows, the Notes of which meet at a little hole coar the bottom; thefe are comprefed tege-ther by certain Burrons, placed on the Axis of a very large Wheel, which is turned about by Water, in the manner of an Overfhot-Mill. As foon as thefe Burrons are filled off, the Bellows are raifed again by the Counterpoife of off, the nellows are taken again by the Salarately, the weights, whereby they are made to play alternately, the one going its Blaft the time the other is rifing. At first they fill these Furnaces with ore and Cinder, intermix'd they fill thefe Furnaces with Ore and Cinder, intermixed with Fuel, which in thefe Works is always of Charcoal, laying them hollow at the borrom, that they may more easily take fire; but after they are once kindled, the Materials run together into a hard Cake or Lamp, which is futilisted by the faffine of the Furnace; and through this hand. fulfationd by the taffition of the Furnace; and through this the Metal, as it meets, trickled down into the Receivers fee at the bottom, where there is a Paffage open, by which the Men take away the Scum and Droft, and let out the Metal, as they fee occaffon. Before the Mouth of the Purnace lies a great Bod of Sand, where they make Furnams of the Shape into which they would have their Furrows of the Shape into which they would have their I-me call. As foon as the Receivers are full, hev let in the Metal, which is made to very fluid by the Violence of the Fire, that it not only runs to a condicable di-dirace, but flunds afterwards boiling for a good white. When the Furraces are once at work, they they them When the Furrace are once at work, they keep them foring the Fire to discken Discharts orgether, never fuf-fering the Fire to discken Discharts of Day, but full furplex-ies the watting of the Viona Chapter. fering the Fire to flacken Night or Day, but shill supply-ing the walling of the Fuel, and other Materials, with fresh, poured in at the top: Charcoal is used altogether in this Work, for Sea-Coal will not do. From these Fer-neces the Workmen bring their Sows and Pigs of Fose, as the Workmen bring their Sows and Pigs of Fose, as they call them, to their Forges, where it is wrought into

IRON-SICK: A Ship or Boat is faid to be Iron-fick, when ber Spikes are fo cates with Ruft, or Nails, and fo worn away, that they make Hollows in the Planks,

when her Spilies are two-week Hollows in the Flatas, whereby the Ship ledds.

RIONY, its Figure is Speech, wherein we plainly inRIONY, its Figure is Speech, wherein we plainly inRIONY, its Figure is Speech, wherein we plainly inprefix as when we ferm to praife a Perfar and the sevent way to be a second to be a sec

Greek, conside, Diffirmulation.

IRRADIATION, fignifies an Emanation or fivorting out

IRRADIATION on the Bedy to another. See Quality,

IRRATIONAL NUMBERS, are the fame as Sird

Nambers 3 which fee.

Nomber's which fee:

IRREGULAN, founding that devians from the conlibrational Quantities.

IRREGULAN, founding that devians from the contraction of the property of the contraction, an irregular shalling, an irregular Figure, &c., the
Grammar there are feveral Declinations and Copingations that the irregular anomalous, or Heterocline, A,
who is unqualified for carering into Crieter, as being a
Baltard, Missimod, &c. or to an Excellentific, who is intracticities, infraended, or centred, and by that recens ren
er tracticities, infraended, or centred, and by that recens ren
or of the force? Faunchine, & & Boenier, or discharging as well

of the force? Faunchine, & & Boenier, or discharging as the

order of the force? Faunchine, & & Boenier, or discharging as the

order of the force? Faunchine, & & Boenier, or discharging as the

IRREGULAR BODIES, are Solids not terminated

by equal and like Surfaces.

IRREGULAR COLUMN, in Architecture, is fuch a one as not only deviates from the Proportions of any of the five Orders, but whose Ornaments, whether in the Sha or Capital, are abfurd and ill-chosen.

five Orders, was brust and ill-chofen.

IRREPLEVIABLE, in the Common Law, fignifications what may not be replevied, or feat large, upon Surctice.

IRRORATION, a kind of Transplanetron used for the Care of secretin Disease, the constitution in the spinishing of the Care of secretin Disease, with the every Day either Trees, or other proper Plants, with the Urine or Sweat of the Patient, or with the Water wherein his Body, or at least the Part affected, has been washed, 888 Hody, or at seast the Farratheeled, has neen wathred, ill fuch time as the Difficate is removed. As foon as the Sprinkling has been made, they throw fresh Earth on it, in order to prevent the Virue of the Mumia, that is, of the vital Sprit of the Liquid, from evaporating into the distribution.

Air.

BGHIADIC, an Epithet given by the Physicians to two Veins of the Foot, which terminate in the Cural. The fair, clittled for Gent lightain, formed by ten little Branches, proceeding from the Tex, which untime progenitor, path by the Mullecks of the Call of the Leg. The latter planes is formed from forcest Ramifications, produced in formed from forcest Ramifications, produced in the Call of the Leg. The Mulleck of the Call of the Leg. The Call of the Leg. The Mulleck of the Call of the Leg. The Mulleck of the Call of the Leg. The Mulleck of the Call of the Cal

confequently condenfed, the Spirits necessary for their Contraction cannot ger Admittance; whence it is that

Contraction cannot get Admittance; whence it is that perfens, who have remained their Urine a long time, find a great call of difficulty in difficultying in. The word is a great call of difficulty in difficultying in. The word is the second of the second the Example of Angolius, and the Asbeniuss, who did the like to the Congarers as the Object, Pythans, and Illia-diance Genes. They were rewarded on the flost, immedia-tion of the Congaret of the Congaret of the Congare-date of the Congaret of the Congaret of the Congaret earlied with Pervisions at the public Col. and were carried to Triamph into their Country. ISIA p Festla and Secrifices anisotry federamized in In-ternational Congaret of the Congaret of the Congaret Secrit of the Congaret of the Congaret of the Congaret of the ISIA pervision of the Congaret of th

ble Impurities, and for that reason there also communicated were obliged to rake an Oath of Secrety. They held for nine Days (accedifively), but were for abominable, that are the properties of the Goddefic and the properties of the properties of

was the first who trught Mankind the Culture of this Com-modity, See Diobarto Scales, and Plastack's 1st and Offici. ISING-GLASS: See Ithyseola. ISLAND, a Track of Cround encompassed trans with the Sea, or with Rivers. This Term is opposed to the Com-tinent of Term Firms. Some conclude from Genx. 5, and from Eact, xlill. 25, that Islands are as antient as the World,

from Eest Mills 25, that [Minds are as antient as the World, and that there were force at the beginning. Whatever become of this Proof, 'tis by no means probable, that the large [Mands, far remote from the Continent, are new, or that they either article unto the Sea, or were torm from the main Land. Nor is it lefs true, that there bare been

new Illumis formed, by the eating up of vail Heaps of Clay, Mad, Sand, &. as that for inflance of Tlaysmag, in the Province of Tongaris in Cirus: e by the Visolence of the Sea, which have torn off large Promoneries from the Continent, as the Antients imagined Scrip, and even Great Britain were formed. It is also certain, that fome have emerged above the Waves, as Santorini former-ly, and three other likes near it lately; the last in 1707, Ny, and there office files near it learly; the little is 1707, which role from the bestom of the Sea after an Earlinguake, that was figpeed to have loodend it from its hold. Revenal Niteralities are of opinion, that the little was recommended to the little state of the little state of little state is little state to the little state of the little state of little state is little state to the little state of little state is little state to little state the little state of little state of little state the little state of little stat most of the Engi-Indian Iflands he thinks were rear sit from the main Land 3 and concludes, that the Iflands of the A-chipelage were form'd in the fame way; imagining it probable, that Describes's Flood might contribute towards it. The Antients had a Norion, that Diele, and forme few other Iflands, role from the bottom of the Sea. Which, how common Opinion among the Antients, that all the Cya common Opinion among the Antenns, that all the Cy-islades had done the fame. Gryphiander has written a Latiss Treattic expressy on Islands, de Infalis. ISLES, in Architecture, are Sides or Wings of a Build-

ISOCHRONAL LINE, is that in which a heavy Bo-(SOCHRONAL LINE, is that in which a Every Bo-dy is improved to extend without any acceleration. Low-mus in the 6th. Ernd. Lipf. for formary 1639, that a Dif-course on the 6th. Ernd. Lipf. for formary 1639, that a Dif-tonation of the 16th Ernd. Lipf. for formary 1639, that a Dif-tonation of the 16th Ernd. Lipf. for the 16th Ernd. That a Body with a degree of Velocity acquired by the De-fense from any Height, may defected from the fame Faits, by an intuitie Number of findermar Carres, which may be a seen of the 16th Ernd. The 16th Ernd. Lipf. In the 16th Ernd. Lipf. Lipf.

the Quadratos Cubical Paraboloids, and confequently firmi-les to one assorber. He there said, of, there, how to find a Line, in which a beavy Body defending final recede uni-tal parabolic states of the properties of the con-ISOCHRON F.s. a Term applied to find: Universities of a Pendulum as are performed in equal Times: of which said are all the Vibrations of Springs of the fame Pendu-lum, whether the Ares it defershes be longer or flatters; and the properties of the properties of the control of the flower; and when a lower one, reconstruction to much the flower; and when a lower one, reconstruction of the control flower; and when a long one, proportionably fafter.

ISOMERIA, in Algebra, is a Method of freeing an E-quation from Fractions, which is done by reducing all the Fractions to one common Denominator, and then multi-plying each Member of the Equation by that common Denominator. Thus c. g. \( \frac{x}{2} \)^2 + \( a \) x - \( \frac{1}{2} \) = \( a \) b be-

comes ax + 4 aax x - 4 bex = 4 aabb ISOPERIMETRAL FIGURES, are fach as have e-

qual Perimeters or Citcumferences

ISOSCELES Triangle, is a Triangle which ! two equal fides; to which it may be added, that the Angles opposite to the equal Sides are e-qual, and a Line drawn from the Top or Vertex, cutting the Bafe into two equal Parts, is perpendicu-lar to the Bafe, e.g. Let the Infector Triangle be A PC,

M. Hygelet I Friangte pe A PC, and let its Hafe A C be into two equal Parts in m: I fay, P m is perpendicular to A C, and the Angle P C A is equal to the Angle P A C 5

for the Triangle Z hath all its Sides equal to those of X for the Armsgre Z man mire once equation more or As and therefore must have all is Angles equal 410 reflectively to those in X: And then the Angle P is A == P is C, because they are both right; therefore P is in perpendicular to A C, and the Angle P A is == P C is.

ISSUANT, a Termin Heraldry, underflood of a Lien, each as Angle, in a Case of A is in the Count in 6 in.

ISSUANT, a Termin Herallay, understood of a Lin, or other himsi, an Got st of Area, but feems juil file ing out from under a Chief, I-effe, a Houfe, a Weed, or difficult and the property of the control of the con-diting and the property of the control of the con-ference of the control of the control of the con-ference of the control of the control of the con-ference of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the con-trol of the control of the con-trol of the

ISSUE, is a Term in Common Law, having divers Ap-plications; fometimes it is taken for the Children begot ten between a Man and his Wife; fometimes for Profits production; i domestiment in autem for the Chanters began-proving from Americanean or Fines; and domestimes from Profits of Lands and Tenements; formeriment for Parties join, and part their Cante of the Parties of the 21. And yet in all their is bith but one Signification, the Parties join, and part their Cante to the Tradi of the 21. The Profits growing to the King or Land, from the Pa-ailment of any Blant Collects, in the Erkelt of his Trand-dom are the Erkel and Collects, in the Erkel of his Trand-ing of the Collects of the Collects of the Collects of the in the Erkel of Piccasing or Process. Ups, in this last Sign-alization, in either General or Special, the Piccasing or Process. It is the Erkel of Piccasing or Process. Ups, in this last Sign-alization, in either General or Special, by its retired to to the Jury to bring to their Veralid, whether the Erkel-cher has the case may fast him as the Finishell Sign to the states, and the Derindson plead Net Guilly; this being you to the Jury, it call the General Jobs. And if Alm Joseph

Stature, and the Defendant plead Not cutilty is this being put to the Jury, is call'd the General life. And if a Man complain of a private Wrong, which the Defendant de-nicth, and pleads no Wrong, nor Difficing is and if this be referred to the Jury, it is likewife the General life. The Spead life then must be that, when Spead Mat-ters being alled ged by the Defendant in his Defence, both

Parties join thereupon, and fo grow rather to a Dematrer, if it be Quaftic Juris; or to a Tryal by the Jury, if it be

It is the experience of the control of the property of the pro

cers, 8cc.

ISTHMUS, a narrow Neck or Slip of Ground that
Joins two Continents, or joins a Cherfonefus or Peninfullacon
the Terra firms just of terraters two Seas. The most celebrated lifewar's are those of Pannaus or Daries, which
tools North and South Successia, that of Suces, which connects sjin and driving that of Cerimits, or Pelaparnofic, in
the Continuous and Persistant of Suces, which conmedia sjin and driving that of Cerimits, or Pelaparnofic, in nects just and styrea; that or cerums, or responses, in the Morea; that of Crim-Turary, otherwisic called the Tan-rica Cherjonejus; that near the Island of Romania and Eriffs, or the lifebury of the Thomasian Cherjonefus, twelve Furlongs broad; being that which Xerxet underrook to cut through. broad 3 being that which Xerxet underrook to cut through. The Antients had feveral Defigns of eating the fibure of Orinto, which is a rocky Hillock, about ten Miles over to the were all vain, the Investion of Shites being so then known. There have been Attempts, too, for eating the Hillowing Section of Shites being the the Hillowing Section and the Communication between the Rockson and the Malternatum. The word comes from the Rockson and the Malternatum. The word comes from the Anti-Markon Miles and the Section of the Term Anti-Markon Miles and the Term Anti-Markon Miles and the Miles and the Section Anti-Markon Miles and the Miles Anti-Markon Miles Anti-M

Greek spalt, a Neck. Hence Austomitis us the Urran for feveral Para of the human Body, particularly that narrow part of the Throat finance betwint the rwo Tom-ton Annual Control of the Para of the Para of the ISTEMIANA OF AUSES sparser the row Northis, in order, of those 50 much eclebrated in surient Greeke, Pleaserly, in the Life of Thefore, sell-usu, they were infli-tured by that Hero in imitation of Heroster, who had be-fore inflinted the Copyrages Cannas y but archive the foreign and the Copyrages Cannas y but archive the their Institution to Mediceria or Palents, whom the Latins call Pertents. Others fay they were instituted by Nifts, Son of Neptune; and others by Sifyphra, Brother of Alb

mus, King of Grimits, about 1330 Years before Christ be lowever this be, 'teus in the lylews of Grimits bey were excludenced, and because after dear her between exclusive dear of the least set fo facred, that after the Deffraction of Carinth, the Segu-mians were charged with the keeping them up. They were to facted, that atterthe Delfruction of Connot, the Sergo-sians were charged with the keeping them up. They were focelebrated, and the Concourfe at them was fogreat, that only the Principals of the most remarkable Critics could have place in them. The Athenium had only as much room allotted them as the Still of a Ship, which they fent

room attorted them as the Sail of a Ship, which they feat yearly to Delay, could cover.

ITALIAN, the Language fpoke in Italy. This Toogue is derived principally from the Lain, and of all the Lan-guages formed from the Lain, there is none that carries with it a more visible character of its Original than the gauges convect from the Lann, there is used in Gerries and Lann. He are constructed one of the moil sprifted among the modern Tongues, containing Words and Phrafes to represent all telests, in experied all Sentimens, to deliver and Extra of Arts, \$G^{\pm}\$. The complained indeed, that is has too many Diministrice and Separative, a realer Age constants to be without any prest realest, for finder and the sentiment of the constant of the sentiment o branch Auslane shar don't Mescel with resultant dam Flar-fly, and which an Draftsman canner read, with pleasing, crean their Original. The Languages correlesate, to the necessary of the Company of the Company of the Company (Company) of the Company of the Company of the Company (Company) of the Company of the Company of the Company (Company) of the Company of the Company of the Company (Company) of the Company of the Comp there in Oper's, and tothe Terrico Trouty, out "Intuit in Ormenh and News j become and in the finding of the Ormenh and News j become and in the finding of the they are not safely known again. The Multitude of Sove-ring Strees into which tady is divided, has given occasion to a great Number of different Dislocks in that Language as which, however, are all good in the 'Place where they are used. The Tiplem is usually preferred to the other Dis-lects, and the Rosson Frounciscian to what of the other Cities ; whence came the Italian Proverb, Lingua Tolema Gliefs; whence came the Indian Proceth, Lingua Toleans m Foura Romans. The Indian is generally pretty well and edit four throughout Europe, and is frequently flocken in edit for the Indian in Indian in Indian Indian Indian Indian is uffer as commonly as the Language of the Country; indeed as commonly as the Language of the Country; indeed in India Places is in India Places and in Talgians, but is corrupted with many of the Forens in Indian States, and is called Frank Indian. See Language.

of the Place, whereo it takes a new Name, and is caried Framb Indian. See Lamyage.

ITALIAN HOURS, are the 24 Hours of the natural Day, accounted from the Sun-festing of one Day to the fame again the next Day. This way of reckoning was useful by the firestor of old, and by the Indian to this day.

ITALIC, the Name of a Character in Printing. See

Printing the Name of a Sect of antient Philosoph Halic, the Name of a Sect of antient Philosophers, founded by Pythsgovar 3 they were so called, because that Philosopher raught in Italy, spreading his Doctrine among the People of Tarentinu, Metapont, Heraelen, Naples, &c.

See Pythogoria.

17CH, a Difease of the Skin, wherein it is corrupted by the ouzing out of certain flurp faline Humours, which gather into Pullules, and occasion a Pruvirus or Itching.

There are two kinds of Ireb, a bumid and a dry kind. The There are two kinds of Int. is, beamind and s dry kind. The latter has been ideally furped for the owing roa arrabi-lations. Humons, and the forence on a filine Finish: They were all the control of the control of the control of weight Account of the Casie of this Ublemper than any Author before him. He cammed feveral Globales of the Matter pikel of and of the Tallett on 6 inch Perfine the Matter pikel of an of the Tallett on 6 inch Perfine Contamy, in fining refembling a Toronto, of train. Mo-tion, with far Feer, a farty Blead, and rwo limit Homes at the end of the Spoon. Hence he makes no fraugle to impact this conception Difact to the contend bling of

these Animalcules in the Skin, by means of which some Portion of the Scrum ouzing our thro the small Apertures portion of the Serim Guing our thro the small Apertures of the Catif, little warry Bladders are made, within which the Infects continuing to graw, the Infected are forced to feracth, and by feraching increafe the Michief breaking not only the little Parlules, but the Skin roo, and forme little Broad Vorlat, and the made Seate 100. breaking nor only the little Futures, but the skin reo, and flower little flowed Vetlet, and for not Seaths, entity of control flower little flowed Vetlet, and for not Seaths, entity of control flower little flow and fome little Blood-Vessels, and fo make Scabs, crufty

JUBILEE, a Church-Solemaity, or Ceremony observed at Rosse, wherein the Pope grants a Plenary Indulgence to the Univerfal Church; as many of them, at least, as wift the Churches of St. Peter and St. Paul at Rosse. The in the Churches of St. Feer and St. Feet at Rowe. The Fablete was first infalling by possing Will in 1850. in Fablete was first infalling by possing with the 1850 at 1850, was only to return every bushed Year. The first Octa-bration brought in fuch flow of Woulth to Rowe, that the Genumary Via route the Period of the Twitter to ye Years. Urban VI. appointed it to be field every 37 Years, that being the Age of our Servioury and Strust IV. brought is

being the Age of our Saviours 3 and Savien IV. Prought it downs oversy a, but every Perfoin unjuly have the Benefit of it once in his Life. Savience IV. Benefit of the case in his Life. Savience IV. Benefit of the Committee Co fufpended.

One of our Kings, six. Estand II. caufed his Birth-Day to be observed in manner of a fieldic, when he became or Years of Age, but not before or after. This he did, by releasing Fritmers, pardoning all Officaces but Treaton, making good Laws, and greating many Frivileges to the York.

There are particular Jubiless in certain Cities, when fe-veral of their Featls fall on the fame Day: Ar Pay in Veveral of their Fealls till on the fame Day: At Pay in Fe, logy, for inflance, when the Fead of the Amendments hap-pens on Goad Friday; and at Lyan, when the Eesth of St. 3den Registic concurs with the Feath of Carpor Chiffil. In 1640, the Highest Carbon of the Carbon Schiller at Romes, that being the Centenary, or hundredth Year from their Individual; and the fame Ceremon was observed in all their Houses throughout the World.

Jabilee, among the Tess, was underflood of every fiftieth Year, boing that following the Revolution of feven Weeks of Years; at which time all the Slaves were made free,

of Years, at which time all the Slaves were made free, and all laboritances reverted to their anistict Owner. The word Judice, according to force Authors, comes from the Silver-Side, which signifies 61%. But nist must be suffered to the silver of the sil the first Inventor of Mutical Instruments, which for that rea

for were call'd by his Name; whence the words Joled and Jabilee came to figuify the Year of Deliverance and Remiffion, because proclaim'd with the Sound of one of those Instruments, which at first was no more than the Horn of a Ram.

Justice, or Jubileus, is also used among the Remanists to fignify a Religious who has been fifty Years in a Mo-nastery, or an Ecclesiastic who has been in Orders fifty nattery, or an Ecclefiatic who has been in Orders fifty Years. Such veceran Religious are diffeenfed with in forme places from attending Martins, or a firtic Observation of any other of their Kules. Jubiless also fignified a Man a dred Years old ; and a Poffession or Prescription for fifty Xents. Si Ager non invenieur in Seriptione, inquiratur de Se-nioribus 3 & fi sub cerro Jubileo non sit, fine Vitaperatione ma-

scar in element. States a grey, foft, brittle Stone, in form JUDAICUS LAPIS, a grey, foft, brittle Stone, in form of an Acom, having Lines drawn regularly on its Surface, as if they were turn d: It is sfed in Physic to diffolve the Stone in the Bladder. JUDAISM: The Religious Doctrines and Rites of the JUDAISM: The Religious Doctrines and Rites of the Seen. Subsipie was warranced by Divine Authority, being delivered to that People immediately from Heavens it edijered to that People immediately from Heisens, if was, however, but a temporary Differentiation, and was to give way, at leath the Centemonial Fair of it, at the Common temporary of the property of the property of the Books of Mofet. Judalija was anticutally divided into feveral Sed3s; the principal whereof were the Phanifeer, Saddheer, and Effectionist: which fee. At prefers there but way, with the Karaiter, who admit of an Rule of Research of the Common temporary of the Common signer, out the Law, written by solicity and the Robbinities, who add to the Law, the Traditions of the Talmal. It has been observed, that "Judaijon, of all other Religions, is that which is the most rately abjured. In the 18th of Edward I, the Parliament granted the King a Fifteenth for the Expalsion of "Judaijon". See Cansan, Spencer, and Good-the Expalsion of "Judaijon".

usin. In Sugland, formerly, the Jenr and all their Goods belian Sugland, formerly, the Jenr and all their Goods befail a bidding-Toperry in them, that he may lead to be alfail the sugland of the sugland of the sugland of their fail the sugland of the sugland of the sugland of their fail the sugland of the sugland of the sugland of the one leave. Mor. Park tells as, that Jiney III. fold the theory of the sugland of the sugland of the sugland on the sugland of the sugland of the sugland of the sugland on their contract of the sugland of the sugland of the sugland out their contract of the sugland of the sugland of the out fails budges. They were never harde of the Com-month of the sugland of the s

JUDGE, an Officer appointed by the Powers of any Country, to difftibute that Julice to their Subjects which shey can't administer in Person. The Character of Judge is a part of the Regal Authority, whereof the Prince

divetts himself.

directs himinefil. Judges are all choics out of the Ser-gents at Law, and are continued by Letters Patenta. For the property of the Continued by Letters Patenta. Statistical and Significant Section Continued Letters 80 con-formations regulars and at their Creation they take no Oath, that they will indifferently ministly patient to all them that they will indifferently ministly patient to all them they will not forbest to Go, to the King by his Letters, or by cayeful World of Mouth, Boadd command the con-trary. They have Salatrics of 1000. For answer exh from the King, belock very condidental Pengaline, and trary. They have Salarics of scool. for assess each from the Aiga, Seider very consistent Perquitire, and from the Aiga, Seider very consistent Perquitire, and from the Aiga, Seider very consistent of create emission. The Aiga and the Aiga (7.) They had no Authority to make any new Laws, but

were only to take care of the Observation of the Leibert Major. In some respects they resembled Kingspots, 1. Their

Moje. In fome tripect they refunded Kongosa. Their Aucherity was grown been for Life is and not so a limited Time: 2. They ruled above, and without any department of the control of the Space of the Vern, we, from the time of tol-off the Space of the Control of Journals, Annals, or Memoirs, composed by the several

Journals, Annals, or Memoirs, composed by the Greent JUDOMENT, I Searly of the Soul, by which had prescrive the Relation that a hetween two or more Meas. Thus when we judge that the San in greater than the Than when we judge that the San in greater than the Company of the San and the Moor, and the Moor and the San and the Moor, and the San and the Moor, and the San and the Moor, and the San and the Sa

no more than pure Ferceptons.

When we percive, for inflance, twice z, or 4, this is no more than a simple Perception 3 when we judge that wrice a are 4, or that twice a are 4 are not 5, the Understanding does no more than barely perceive the Relation of Equality that is between twice a and 4, or of Inequality and Inequality I between wice a and s. Farther, Reafining conflits in per-ceiving the Relation, no between two or more things, for civing the Relation, no between two or more things, for that would be a Judgester, but of two or more Relations of two or more things. Thus when I conclude that from being left than fits, twice two being four, are by conf-quence left him fits? I perceive not anyly the Relation of Integrability between two and two read fits, (for this were only the read of the Relation of weight and the read of the Relation of weight and the Relation of weight and and 6: Which conflicted is Reafining. The Understand, the read of the Relation of which we reviews and it is the Will that indexes. ing therefore only perceives, and 'tis the Will that judges, and reasons in affenting voluntarily to what the Under-

flanding reprefents

flunding reperform.

Indeed, when the things which we confider, appear clear, and perfectly evident, is forms as if it were not won-like the confidence of t ledge, cames at the the Understanding; that is, cames define it to represent any thing new in its Object, as having already view'd it on all the fides that have any relation to the Question in hand. It is obliged, then, to reft in what has been already represented, and to ecase to in what has been already represented, and to ecase to in what has been already represented, and to ecase to it, that Judgment confilts. This Reft or Judgment, then, as the ledge free, when things are in their last Evidence we not being free, when things are in their last Evidence we are apt to imagine that it is not the Effect of the Will. So long as there is any thing obfcure in the Subject that we confider, or that we are not fully fatisfied that we have differer'd every thing necessary to resolve the Question, as it happens in most of those things that are difficult, and an inappens in morious Relations; we are then at liberty not to acquiefce, the Will may command the Under-flanding to purfue its Enquiries further, and to make new Diftoveries: whence it is, that we are more ready to allow the Judgments formed on these Subjects to be vo-

learner,
Moft Philosophers, however, maintain that even the
Judgment which we form on obscure things are not volearner, and will have our conforming to the Truth to be
an Action of the Understanding, which they call Affens,
an Action of the Understanding, which they call Affens,
they are the transport of the William of Confeas
they are the William of Call it Confeas
they are the William of Call it Confeas
Teres

It mm mm

Error is owing to this, that in our prefent State, we fre-quently fee things to be evidently true without the least reason to doubt of 'em ; in which case the Will is not at ration to duste of 'em' is in which case the Will is not at liberty either a give a refusile are Affair; she it is set to in distance of Gooden's t there being unships, which have been been been a substitute of the set of the set and the set of the set of the set of the set of the have been perceived a manifell faultivance, and set tally convinced that when we love any thing, even God by the set of the set of the set of the set of the But the Ulew entage of our Liberty is not for papears, when we confers to the Trach, effectedly when it appears Conferr to Trach, that, our J'obspeces, if not obtaining, and it is a divine, to be vulnerary, mult be indifferent. At case they cannot be determed from the year of the thing case they cannot be determed from the year of the thing case they cannot be determed from the year of the thing. caufe they cannot be diverted from it by any other thing; nor we confert freely to this evident Proportion. That swice a are 4, because we have no appearance of Reason to diffunde us from ir. See Way, Liberty, Truth, Good-

"Indigeners, in a legal Sentence, is a Sentence or Decision pronounced by Authority of the King, or other Power, either by their own Mouth, or by that of their Officers whom they appoint to administer Juffice in their flead. (Indigenerations are definitive ultra galar measurements) whom they appoint to administer fulfice in their flead. Of Sudgment name are definitive, others only preparatory provisional, or interlocutory. The antient words of Tadapasent are very figorificant, Confiderations 69, 2% a because to the form of the Court upon Confideration had of the Record before them. In every Sudgment they could be the court before them. In every Sudgment they could be the court before them. In every Sudgment they could be the court before them.

Judic. JudiciarURE, the Profession of those who administer Jutice. Judiciar Judiciar Sakuture, is a kind of Pricishood. The word is also field to signify the Extent of the Judiciaron of Judice, and the Court wherein he fits to do Judice. Judiciaron of the Judiciar

By understood of any extraordinary Prainfel Tecre Crimes; a sa those by Arms and fingle Combat, those by Fire or red-her Plow-fhares, by plunging the Armin boiling Wa-er, or the whole Body in cold Water, in bopes God would work a Miracle rather than fuffer Teuth and Indi-cence to perith: 8.8 fo forpe defender compost, Judicio Dei fold. Agia and Ferra forces do a Taylina, These Calloms were a long time kept up, even among Christians, and are fill in Ue in fome Nations. See Orateal, Water, Sec. Thefe Trials were held in the Churches, in prefence of the Bi-Thops, Priefls, and Secular Judges, after three Days Fast-ing, Confession, Communion, and a world of Adjurations and Ceremonies, described at large by the Cange.

JUGULAR, a Term, among Austomists, applied to certain Veins of the Neck, which terminate in the Subclaveans. There are two on each Side 3 the one external, receiving the Blood from the Face and the external Parts of the Head; and the other internal, which receives the

Blood from the Brain.

Jugular is also applied to certain Glands of the Neck, in the Spaces between the Muscles. They are in Number 14, and are found of different Figures, some larger, ner 14, and are bound of different Figures, forme larger, eithers left 3 they are fallened to each other by certain Membranes and Veffels, and their Subfigure is like that of the Maxillaries. They feparate a Lympha, which is conveyed by these Veffels to the adjacent Mufcles. "Tis an Obstruction in those Glands which occasions the King's-

Dionis

LUCE, a liquid Subflance, which makes part of the JUICE, a liquid Subflance, which makes part of the Composition of Plants, communicating infelf to all the other Parts, and ferving to feed and increase them. Just is that re Plants, which Blood is to Auimals. There are is that re Plants, which Blood is to Auimals. Satest aqueous, vinous, oleaginous, gummous, refinous, and bitumitous, of all Taftes and Colours. Dr. Lijier oband birnienous, of all Tatievand Colours. Dr. Lijier ob-ferrent, that mol' prior of Plaust coappiare, whether they be fush asarc drawn from the Wounded a 2 Plaus, of sich as fineatmostly exided a barrier of a great Number of Plaus. He ands, that as the judice of Plaust ferm to be composed, ed and mixed of Liques of different knale's for per-bable, if the Caloura Part be arrowed, he barriel, the Whey may not be for a for the second of the con-act detection a good and stellar Medicament. See Sop,

and the orner a good and uncut accuration. See Say, See.

The word Thine is also applied to feveral of the Fluids in an animal Body. The nervous Twice is a Liquor which, according to fome Phylicians, is found in the Nerves, whence it takes its Name. Collings, Whenevan, and Williams were the first who made mention of the nervous Twice; preventing them from difficulty to be animal Spirits, preventing them from difficulty to babilly, and think it also ferves to nourish the Parts of the Body; but a great part of our modern Physicians deny the Existence of this Taste. where the first who had so Vehicle to the animal Spirits,

Panerestic Juice is a Liquor Separated in the Glands of

the Pancreas. See Pancreas.

Joice is also applied to the Vapours and Humidines in-closed in the Earth. Thus they fay Chrystal is formed of a lapidific Joice, and Metals are formed of Vapours and Joices condensed in the Earth.

Justice conducted in the Earth. JUJUEE, the Partie of a Tree of the fame Name, gooding very commonly in Process, and some other Parts. The Justice are them the Star of a Talmah, sond, and the Justice and the Star of a Talmah, sond, and sond Talle; they are peckoral and agentine, forties the Actimizery of the Humans, and promote a Blickings by the Spanne. Play tells us, that Starto Papinso brought the the Actimizery of the Humans, and promote a Blickings by the Spanne. Play tells us, that Starto Papinso brought the the Earth of Papinson's Reigh. JULAP, in Pharmaccy, is an early agreeable Potton pre-ference and the Papinson Papinson Translate on the Papinson Papinson Translate and the Papinson Translate and the Papinson Translate and the Papinson Translate Translate and the Papinson Translate Tr

Waters, or light Decoctions, frequently fweeten'd with Sugar or clarified Juices. It is fometimes ufed as the or-dinary Drink in certain Difeases, but usually as a Vehicle for other Forms of Medicines; ferving to correct the pecfor other Forms of medicines; to rength of the cast Humours, to reflore the declining Strength of the

card Humours, to refuler the declining Strength of the Heart, and to powers Stope. The work, according to the Monge, is derived from the orbite, Girdy, or rether from the property of the strength of the strength of the Fine Word, fighting high Heart. I U.E., a kind of unitest Hymon foug by the Greats, and after them by the Romant, design the time of their and after them by the Romant, design the time of their about Desiries proprises. The word is derived from the Greek has, or look, a Sheel. This Hymon was fonctiones all ox called Downrate, or Downrate, the his is, but of Cere. J ULIAN EARS, in the old Account of the Text, sills

in ufc among us in England; it is fo called from its Foun-der Julius Cefar, and by that Name is diffinguished from the new, or Gregarian Account, ufcd in feveral Parts of Europe. It is either Common or Biffextile; the Common conditits of 365 Days, and the Biffextile of 366. Softgenes, whom Cefar made use of in the Reformation of the Calender, judged the mean Solar Year to confift of just lendar, jadged the mean Solar Year to confill et sjill 565 Days and fix Hours; and on this Ground it was that Cafar appointed one Year in four to be Biffextile, and the other three Common. See Part. The Julian Period is of great Ufe in Chronology, and was invented by Socializer; it confills of 7980 Years, the Pro-duct of the three Cycles multiplied into each other, six, the

duct of the three Cycles multi-lied into each other, size, the indiction, which is 15 s the Golden Number 159 and the Cycle of the Sun 25. It is made to commence before the Creation of the World, and that moreor left, according to the Hypethesis that is followed. It principal Ad-vauage conflis in this, that the fame Years of the Cy-cles of the Sun, Moon, and Indiction, belonging to any Year of this Period, will never fall together again tittl of ter the Expiration of 7980 Years, which, according to the received Opinions, will fearce happen before the Confummation of all things. The first Year of the Chri-

Cociummston of all things. The first Year of the Christian Zen, in all our Systems of Checoslogy, is always the Vision of the Systems of the Systems of the Tofic and price of Tofic what Year of the Systems To find what Year of the Systems To the Gyrian Year of Christ and 4715 (because for many Years of the Julian Period were experied before 2.b. 1) and the Sum gives the Year of the Julian Year of the Systems of the Year of the Julian Year of the Systems Period A.D. 1710 would know what Year of the Systems Period A.D. 1710 would know what Year of the Julian Period A.D. 1730 andwers to: Now 1720 + 4715 = 5435, the Year Gught of the Julian Period. On the contrary, having the Year of the Julian Period given, to find what Year of Chrift andwers thereto: From the Year of the Julian Period given, substract 4713 (for the Reason above-mentioned) and the Residue will be the Year sought. For instance, I would know what Year of Christ answers to the Julius built, J. P. 3960, I would know therefore how long it was built before Chrift. Now 4714-3960-3754, wherefore Rosee was built 754 Years before Chrift. It is called Julian as being adapted to the Julian Year. See Pe-

ried. II.S. a Nome which the Bountin give to they wormhile Turk, or Plains, as they are called, included loss, which, at the beginning of the Year, grow out, loss, which, at the beginning of the Year, grow out, and heapy revolutes down from Hazels, Wallent-Trees, Gr. Mr. Ary thinks them to be a kind of Collection of Gr. Mr. Ary thinks the mobile and the Collection of th

enters the Sign of Lee. About the 24th Day of th

Month the Dog Days begin. The French cell this the Month of Red-Frenty, and with Reafon, fays Relimine, because they are then in their height. On the 17th Day of this Houth, according to Hipperarter and Flory, the Dog-Star rifes, the Gas bolls, Wine turns, Dogs go mid, the Bile is increased and irritated, and all Animals decline and langualth, Go. The word is derived from the Latin aloss, the Sirname of C. Cefar the Dictator, who was born Jalous, the Simame of C. Cofar the Dichtor, who was nom init. Mark Johnson firling suc it this Names before, it was called Quantita, as being the fifth Month of the Vear, in the cold Roman Calcader elablified by Romandar, which began in the Month of March. For the Jame realfor degree was called Scatilis, and Sprember, Olisker, November, and December fill recain the Name of their firlt Rank.

Que Sequitur, Numero turbs stotata fuo. Ovid. Fast.

JUNCTURE, is any kind of Joint, or cloting of two

Bodies.

JUNE, the fixth Month of the Year, when the Sun enters the Sign of Caseer. In this Month is the Summer Solflice. The word comes from the Latin Janius, which fome derive a January. Oxid, in the 6th of his Faffi, makes the Goddess fay,

Samins à postre Namine Nomen babet.

Others rather derive it à Janisrilos, this being for young People, as the Month of May was for old ones.

Junius est Juvenum qui fuit aute Senum.

JUNIPER-BERRIES, the Fruir of a Shrub of the fame Name; much ufed in Medicine. Etomolic bad a vast Opinion of them, and thought they deferved a whole Treatife to be wrote of them. The Rob a Form whole Treatic to be wrote of them. The Rob (a Form of Medicine now out of use) made of the expressed Juice of the Green Berries, has been called the Theriana Germa-norum; for much have they been in eiteem amongst them warms, to finich have they been in circem amongst new for anti-pellinerial Qualifiers. They are certainly carmi-native, but their most remarkable Properties are in feour-ing five Vitera, and particularly the Reins and Urinary Patinges, as all of the Turpentine-kind do. The Wood of this Sarub is all to of confiderable Ufe in Phyfic, it freegthens the Stomach, expels Wind, clears the Lungs, prora. It is further faid to be Sudorific, Cephalic, and Hyfte-ric. From it they draw a Spirit, a Tincture, an Elizir, Ex-tract, and a Ratifia. "Tis faid it will laft an hundred Years without corrupting; and the Chymits add, that a Coal of Jamiper, covered with Ashes of the same kind, will keep

fire an entire Year. JUNTA, an Affembly, Council, of Society, of feveral Perfons meeting for the Different of any Buflock. This Term is particularly in ule in the Spanish and Permanel of the Charles of the Death of Charles II. King of Spain, e Kingdom was governed, during the Absence of Philip V. by a Jama. In Paringal they have three confide-rable Junta's, the Jama of Commerce, that of the three Effates, 'and that of Tobseco. The first was established by King Juhn IV, this is a Council of Marine. The same King affembled the States of his Kingdom to create the

Tribunal of the Janta of the three Effares. K. Peter II. created the Janta of Tobacco in 1675, it confifts of a Profident and fix Counfellors.

faderi and mx Countriers.

Janua was the Name of a Society of Bookfellers or
Printers art Fenice, who published many beautiful and correct Editions of Books, which still go by the Name of

Smath. TVORY, the Tooth or Tusk of an Elephant growing to each fade of his Trunk, in form of an Horn. Ivery is one can the control of the Control of the Color, in Politic, and the Finesch of its Germel for Electron of the Color of the Color of the Color of the Color of Mancheson, and the Color of Mancheson of the Color of the August with the Root of Mancheson of the Color of the Color of the Color of Mancheson of the Color of the

Black fewy is no more than Isory burnt, and drawn into a Leaf when it is become black. It is ground with Water, and made up into little Cakes or Troches, afed by the Painters.

JUPITER, one of the feven Planets: its Character is I. Its Orbit is fituate between Satarn and Mars. It has a X. In Orbit is truste between 3stew and Mars. It has a Roestion round its own Asis in 9 Hours, 5 of Minares 3 and a periodical Revolution round the Sun in 4353 Days, it a priority of the 10 Hours. It is the biggel of all the Flanest. In Diameter to that of the Sun appears, by Altronomical Obfervations, to that of the Sun appears, by Altronomical Obfervations, to be as 100 Hours of 1000 Ho

797, 15 is to 10000, to that or anares as 797, 15 to 534,337, to that of the Earth as 797, 15 to 407,632. The Dankty of its Matter is to that of the Sun as 7404 to 10000, to that of Samen as 7404 to 6011, to that of the Earth as 7404 to 3921. The Quantity of Matter contained in its Body is to that of the Sun as 9,243 to 10000, to that in Body is to that of the Sun at 9,448 to Proce, to that of Sun at 9,448 to 4,232, but that of the Earth at 9,449 to 4,232, but that of the Earth at 9,449 to 0,0044. The mean Bilincot of Sparse from the Sun is 300 of thefe Parts, whereof the mean Bilincot of the Earth from the Sun is 1000, the Keple mean Bilincot of the Earth from the Sun is 1000, the Keple mean Bilincot of the Parts. M. O. O. Gipt calculated Spatses mean Bilincot from the Earth to be 11,5000 Semi-Bilincot of the Earth. from the Earth to be 111,000 Semb Dismeters of the Earth of Corecy Comparison the Diffuses of Diptire from the Sam to Greeny Comparison that Diffuses of Diptire from the Sam to Monte of the Comparison of the Co is 250 ; and Haygous computes his Surface to be four hun dred times as large as that of our Earth. See Solar System.

Jupiter is one of the superior Planets, that is, one of the ree above the Sun. Hence it has no Parallax, its Dithree above the Sun. flance from the Earth being too great, to have any fend-ble Proportion to the Diameter of the Earth. Though it be the greateft of the Planets, yet its Revolution about its Axis is the fwifieth. Its Polar Axis is observed to be Its Axis is the fwifinth. Its Polar Axis is observed to be floriter than its Equatorial Diameter; and Sir I. Neuron determines the Difference to be as 8 to 9. So that its Figure, is a Spherood, and the Swifines of its Rocation occasions this Spheroidiim to be more feelfable than that of any other of the Planets. Suprier appears almost as them to be the specific or the specific property of the pr occasions this Spheroidiffen to be more Genüble than that of any other of the Planett. Joppur appears allowed a jung ear Fount, but it is not sloggisher to bright. He is large as Fount, but it is not sloggisher to bright. He is the state of the planet by the state of the planet by the state of the state

covery of this is controvered netween neglecture, I. tung-nier, Laffini, and Compani.

The four little Stars, or Moons, which move round Jim-pure, were first different by Galife, who call it them the offire de Moderis has we the Satellites of Jupiter. Capital beforeved, that the first or innermost of thefic Satellines was five Semi-diameters of Jupiter diffant from Jupiters in was five Scin-distinuction of Taylore diffusal from Taylore In-felfs, and mide in Revolution in 1 Day, 18 Hours, and 12 Minutes. The fectoral, which is formewhen greater, he found 8 Dimeters distints from Joyler, and its Revolution 3 Days, 13 Hours, and 1x Minutes. The children is 3 Days, 13 Hours, and 1x Minutes. The children which is the greated field, it siditate from Joyler 13 Scimil-dismo-ters, and faithles its Coarle in 7 Days, 18 Hours, and 52 Minutes. The Island with the Science of the Coarle of all, it distinu-ficant Joyler 2 3 Camil-dismoters; in Petricki is of Days, 18 was the Coarle of the Coarle of the Coarle of the Coarle of the wave before Science and the Coarle of the Coarle very pleasing Spectacle to the Inhabitants of Supicer, if it he true there are any; for fometimes they rife all togehe true there are any; for formetimes they rife all toge-ther; formetimes they are all together ig the Merkdian, ranged one under snorther; and formetimes all appear in the Horizon, and frequently undergo Ecilipers; the Ols-fervations whereof are found of especial Use in deter-mining the Longitude. Confew has made Tables for each lating the Immersions and Emersions of Suprise's first Sa-

The Day and Night are of the fame Length in Japiter all over his Surface, wiz. five Hours each; the Axis of his Diurnal Rotation being nearly at right Angles to the Plane of his Annual Orbit. Though there are four pri-Plane of his Annual cross. I mough there are nour pri-mary Planess below Spitter, yet an Eye placed on his Surface would nover perceive any of them, except Sa-tava's unlefs, perhaps, as Spots pating over the Sun's Disk, when they happen to come between the Eye and the Sun. The Parallax of the Sun, view'd from Japiner, will fearce be fentible, no more than that of Saura; neither being much above 20 Seconds; fo that the Sun's apparent Design much above as Decounds; Is client the Sun's apparent Diameter in Septere will not be above fix Signates. The state Micros of the Septere will come to the Septere as the Micros does no us, vis. five times the Diameter, and as times the Diak of the Sun. Dr. Greepy adds, that an Altronomer in Septere would castly dillinguish two kinds of Planets, four nearer linn, sie. the Seattlers, and two, we, the Sun and Sarara, more remote. The Grover, however, will fall waitly Morr of the Sun in Indiametrs, fourwaith as ad-with fall waitly Morr of the Sun in Indiametrs. wur zu varsty Inorr nt the Sun in Frightents, notwithis anding the great Diffroportion in the Diffances and apparent
Magniades. From those four different Moons, the Inhabitants of Fagirte will have four different Mids of Monthay
and the Number of Moons in their Year will not be left
and 400. These Moons are cellped as often as, being into
opposition to the Sun, they fall within the Stadow of Taopposition to the Sun, they fall within the Stadow of Tapites and again, as of a school in controllion with the same, they proof their Scholers to printy, they may be a school their Scholers to printy, they school the Scholers to printy they are the Ediple of the Sam to as Exp placed in that part of their serve where the Stateow falls. But in regard the Orders of their Scardines are in a Place which is reliated to, or their Scardines are in a Place which is reliated to, or their Scardines are in a Place which is reliated to the Scardines and when out of this Politica, the Scardines are country, because the Scardines are country, because the Scardines are country, because the Scardines are supported by the Scardines and when out of this Politica, the Scardines are country, because the Scardines are country, because the Scardines are supported to the Scardines and the Scardines are supported to the Scardines are supported to the Scardines and the Scardines are supported to the Scardines are supported to the Scardines are supported to the Scardines and the Scardines are supported to the Scardines she Ediffer, may be used, the most several transfer fine Breadth of Super's Shadow in security decipies that for the Breadth of any of the Satelliters is and the superare Domester of any of the Satelliters is and the superare Domester of the Satelliters is and the superare of the sum of the Satelliters of the Satelliters and the final Indi-sants the Flues of the Other of the Satelliters are stated to the Satelliters of the Satelliters and the sum of the Satelliters of the happen Ediffers both of the Satelliters of the Satelliters of happen Ediffers between the Satelliters of the Satelliters of the happen Ediffers the Satelliters of the Satelliters of the Satelliters of the Satelliters of the Satelliters

Satellites foundations collipse another, where the Phatfarmath be distrecting spire foregoning opposite to both of the Satellites filling into the Statelow of Jupiter juli mention til, for in this, the Zaltent land immerage that it, and the Wetfern and the Statelow of Jupiter, but the state of the Statelow of Jupiter, the it reaches in Satellites, yet falls fiber or any other Phatest, so could any other Phatest, Storm alone excepted, be immerged in it, even that there withinken Indeed, Spirer's Shandow of Jupiter Statelow, Statelow, and Statelow, and the Statelow of Statelow of Statelow, and the Statelow of Sta

ninth of it. ninth of it.

The Courfes of Sepirer's Satellites, and their various
Eclipfes, would render Navigation very fure and eafy on
the Globe of Sepirer. Even we, at this diffance, can
make very good ule of them; those Eclipfes being found
of the state of the sepirer one of our bell means for determining the Longitude at Sea.

emor our bull means for determining the Longitude at Sea. For the Manusor of calculating them, Jr. fee Sazolfites.
Armong the Alchymith, Joyler Sagnifes the Philodophila and Compared to the Alchymith, Joyler Sagnifes the Philodophila and the Alchymith and the Alch Japier, who tought for Pleature in the low, but prolife and fruitful Earth, difcover, fay they, its Fecundity; and that Gold might be formed, were the way of preparing it diffeovered. In a word, "spear is the Son of Contrar, which flows fome Refemblance between the Qualifica of Gold and Load. of Gold and Lead.

of Gold and Lead.

JURATS are in the nature of Aldermen, for government of their feveral Corporations as the Mayor and Javast of Maifglove, Rye, Windelfee, &c. 80 Jeyfey hath a Bailiff and twelve Javast, or Iwoon Affiliants, to govern

she Hland JURIS-CONSULTUS, among the Remans, was a Perfon leatmed in the Law, a Matter of Juris-prudence, and who was consolted on the Interpretation of Laws and Peyfine learned at the Law, a Muther of Juris' paradicties, and who was continued on the Interpretation of Laws and was on an excellent of the Interpretation of Laws and seen Book as the Depth were compiled wholly from the Anterior Report of Peyron of Report of the Report of and the Emperors appointed their Judges to follow their

Advice. Anyofasi advanced them to be public Officers of the Empire; fo that they were no longer confined to the petry Counfels of private Perfons. Barn. Restiling has written the Lives of the most famous Juny-Confult, who have lived within these 2000 Years.

Detween Ecclematics and Laymon.

JUNIS-FRUDENCE, the Knowledge of what is juft
and injust, or of the Laws, Rights, Castlons, Statutes, &c.

necestary for the doing of Justice. Cool Junj-Pradunce is
that of the Rewart Law, Canonical that of the Cason Law, Fendul that of Fees.

Fondshin of Fees.

UROR, is a legal feef, is one of those receny-four JUROR, is a legal feef, is one of choice Train upon fact Evidence as final important products and the second products of the Evidence as final in profition. The Symptomes of the Feed of giving a Vendict contanty to Evidence, willingly, is very feed to the Company of the Company of the Matter of Fact, and the Company of the Matter of Fact, and declare the Train point fact Section, affail the definition of Twelve Men form to enquire of the Matter of Fact, and at declare the Train point fact Section, affail the definition making the Matter in questions. The Groy is to very section of the Company of the Comp and if he be a Foreigner, he may demand a Jury half Fo-reigners and half Englishmen. There are ordinarily Thirty-fix impanuel'd, whereof in Criminal Cafes the Person accufed has the Liberty to challenge or fet afide Twenty-four, and to pick out Twalve at his pleasare. These Twelve are present at the Trial, after which they withdraw into a Chamsad to pick our Twelve as the pleasine. Their Twelve as process at the Trials, they which they suchhards also a Champeron at the Trials, they which they suchhards also a Champeron at the Trials, they will be the property of the Trials and the Tri

Shire, to comfider of all Bills of IndiStructs prefired to the Court's which help de chiese approve, by writing upon them Bill even is or elfe diffillow, by indexing farmense. Some of the court of the court of the court of the farmense of the court of the court of the court of the because the Cafe is of much importance, without more work, fixed by the Bench : except the Party surverfe the landstimens, or challenge it for Indifficiency, or remove work, fixed by the Bench : except the Party surverfe the landstimens, or challenge it for Indifficiency, or remove former Cafe it is refirld to method "farm"; is mixing two former Cafe it is refirld to method "farm"; in which two former Cafe it is refirld to method "farm"; in which two former Cafe it is refirld to method "farm"; in which two former Cafe it is refirld to such or "farm"; in which we were translated to a hisher. And prefixed upon the all-

the Casts on a laptice court by Certhorn's is which two the Casts of the Casts of the Casts of the Casts of the text, readinated to a higher. And percentage on the Island to lowance of this Bill, by the Crued Inquest, Man is fall to be indiched. Such with the Middle, are delivered to the Casts of the Casts of the Casts of the Casts of the The Percentage of the Casts of the Casts of the Casts of the text inquancial sea well upon Criminal to upon Critic Casts of the de bring in their Verific to Casts of the Casts of the theorems to the Principe of the Casts of the Casts of the theorems of the Casts of the Casts of the Casts of the theorems of the Casts of the Casts of the Casts of the theorems of the Casts of the Casts of the Casts of the many, at on conveniently be had, of the fame Entandend, for at Leaft and Terromen in question dead in the being in their Verific citize for the Demandant or Tenus.

JURY-MAST: so the Seamen call whatever they fet up in the room of a Matt, lost in a Fight or by a Storii, with which they make shift to fail, inticad of the Mast which they have loft.

which they have lott.

JUS CORON.E., the Right of the Crown, is part of the
Law of England, which differs to many things from the
general Law concerning the Subject. Code on Litt.

JUS PATRONAT US, in Law, is the Right of prefenting a Clerk to a Benefice.

JUS and LIPA 6 66.

forning a Clerk to a beneather, JUS and JURA, fee Law, Right, JUST, a Combut on Horfeback, Man against Man, arm'd with Lances, Antiently, Juffs and Tournamenta made a part of the Entertainment at all follersm Feals and Rejoicings. The Spanishs borrow'd these Exercises from the Mowy, and call them the Came-Play. This is from the Now, and call them the Care-Fley. This is this fame with the Lead Tevianus minently perdicted by the Youth of Rosen. The Trieb use is fill, and call ir lausing the Covid. The difference between Belgrand Don-lancing the Covid. The difference between Belgrand Don-which the former is the Species. Tournaments were all kinds of Military Race and Engagement, made or of Galliarry and Diversion. Tournaments were all kinds of Military Roser and Engagement, made or of Galliarry and Diversion. Tournaments were all the Care and the Care and the Care and the Care and the with Lazer and Sword: It The Tournament was frequency performed by a Number of Cavaliers, who fought in a body. The Tournament of the Cavaliers, yet was fingle Combact of cooking and the Cavaliers, yet they were Gonetimes fingly, and independent of any yet they were Gonetimes fingly, and independent of any vet they were fornetimes fingly, and independent of any Tournament. He who appear'd for the first time at a July, forseited his Helm or Casque, unless he had forseited

"Jeff, Berling his Helm of Chaffee, male in the Mal feetled before at a Tourneau content. Land joine, beauth is the before at the Mannamer of the Land joine, beauth is the Combination fought near one unders. Schraffee derives it from the modern Gorde audit, or enter vipere, which combine the mannamer of the complex of the Land Trought was also for this Reseries; that being furpoid to the term Tourneau could be the theory of the Land to the Land Charles of the Land to the Land to the Land Trought was also for the Land to the Land to the term of the Land to the term of the Land to the Land to the Land to the Land to the very mannamer of the Land to the Land to the Land to the very mannamer of the Land to the Land to the Land to the very mannamer of the Land to the Land to the Land to the very mannamer to the Land to the Land to the Land to the very mannamer to the Land to the Land to the Land to the very mannamer to the Land to the Land to the Land to the control of the Land to nifhments; and herein a Geometrical Proportion is ob-ferved. Commutatore Juffice is conversant in Matters of Commerce, and in the equal Commutation or Exchanging Commerce, about necessary commention or execusions of things, and proceeds according to an arithmetrical Equality, without any regard to Perfons and Circumflances. Legal Judice is that which resides in the State or Monarch, by whose Power and Authority the Effects of commutative and distributive Judice are frequently Insperieded or suspended; as in a Dearth of Corn, if a Person that has a Stock by him will not fell it, it shall be taken from him: and the like

JUSTICE is likewife the Name of an Officer appointed JUSTICE is incomic the Name of an Olinic appointed by the King or Commonwealth, to do Right by way of Judgment. He is called Justice, and not Judge, because he was antiently called Justice, and not Judgment, and because he he as his Authority by Departation, as Delegate to the King, and not Bure Magifiratus; and therefore can-not depute any other in his flead, the Juffice of the Fo-rest only excepted. Of these Juffices we have various

kinds in England. kinds in England.

Splikes, or Kind's Splite of the King't-Bench, is the capi
sal Splike at Great Britan, and a Lord by his Office. His

Buffines is chiefly to hear and determine all Pleas of the

Crown, that is, fach as concern Offences againf the

Crown, Dignity, and Peace of the King, as Treafons, Fe
lonies, Sec. Sec King't-Bench.

"Audite, or Chiefle "Julies of the Company Pleas, is he who.

"Judite, or Chiefle "Julies of the Company Pleas, is he who.

Coronia, Digitty, and Feesood the Aung, at resulton, acylogice, or Left Spince of the Conser-Pleu, in he who,
ylogice, or Left Spince of the Conser-Pleu, in he who,
with his Afillants, beans and determines all Canfes a tene
Common European in a lock, all Gell Canfe beaven
Common European in a lock, and the Residence, and
Led by his Office. This Officer was fermenly not caly
Carlo 'julipe has find Cheff Baron of the Englesyer, and
King's Palace, and there executed that Office, formerly
performed per Conserve Falion's he determined, in that
Ning's Palace, and there executed that Office, formerly
performed per Conserve Falion's he determined, and
and other Great Men. He had the Prespatire of heing
Vicegorate of the Kingdon, whenever the King went
and cuber Great Men. He had the Prespatire of heing
Vicegorate of the Kingdon, whenever the King went
due to the Conserve Pleus.

Selfend in all Kingdon and Conserve the King went
Gelfull's John Conserve Conserve Pleus.

Cipitali Spincare of Palattic Cipitali Anglit Spincare of Conserve Pleus.

Justice of the Forest is a Lord by his Office, and hath Power and Anthority to determine Offences committed in the King's Forests, Sc. which are not to be determined by any other Court or Justice, except fach as are appointed by special Commission to assist him in his Office. Of these special Committion to estitis him in his Office. Of these there are two, whereof the one hard Jurisdiction over all the Forests on this fade. Trent, and the other beyond it. By many dustion Records in appearant to a Flaze of great Honour and Authority, and is never believed but on from Person of great Distinction. The Court where this Taylire tits, is called the Splitte-Start of the Fargit. This is the only Infice who may appoint a Deputy s he is also called Jus-tice in Eyre of the Forest.

the in Eye of the Event.

"Phylicatic Research, Quilloudi linearmy, or Ereastra, and to termed from the old Psychiatic Research word Event in Care. These, to the extract from the old Psychiatic Research word Event in Care. These of the Crewn and that for the Essi of the Subject) and Pleas of the Crewn and that for the Essi of the Subject) amongles, the Care of the Crewn and that for the Essi of the Subject) amongles, the Care of the Crewn and the Regio of King Henry II. but they appear to be of an older Date. They are the Crewn and the Crewn

were mech like uur "Jujiter of Affice at this Day, the for Authority and Manner of Proceeding very different, Authority and Manner of Proceeding very different, Committion, to be the fact has were worn, by Docidi Committion, to be the fact has a were worn, by Docidi Affices, for the Eafe of the Salpjeles: for whereas thefe Affices paid always by Jarry, for many Men might nor, without gent Damage and Charge, be brought up to Lunders and therefore Suffices, for this purpose, by Com-Thele continue twice every Verse to paid the Chronic by Thele continue twice every Verse to paid the Chronic by These continue twice every Year to pass the Circuit, by two and two, thro' all England, dispatching their feveral Businesses by several Commissions; for they have one

Banactics by several Commissions for tocy have one Commission to take Affisce, another to deliver Goals, and another of Oyer and Terminer, Es. See Affisce, Juffices of Goal-Delivery, are such as are commissioned to hear and determine Cause a superaining to those, who for any Officine are east into the Goals. Their Commission is

any Offices are call into the Goals. Their Committee is a sow turned over to the Julices of Agic — Spiletes of Agic — Agic — Spiletes of Agic — A

Jujiier of the Perce, are Perfass of Interest and Creatin, approaced by the King's Committion to nated the Pesce of the Country where they live i of whom, form, for figure 1. The perface of the Country where they live i of whom, form, for figure 1. The percentage of the Country became to the first of th ject; to commit to Prifon fuch as cannot find Bail, and to fee them brought forth in due time to Trial. The Origi-nal of Infliors of the Peace is referred to the fourth Year

and of Syderics of the In case traction from Lab Copyloride of the In Case traction of the International Copyloride of Syderide of the former, etc. to thew the Beauty and Exactness in the Turn, or choice of a Thought; the latter conflicts in the just Relation which things have to one another. JUVENALIA, Games, Exercise of Body, or Com-bats, inflituted by Nove the first time his Beard was Shaved.

They were celebrared in private Houses, and even the

KAB (414) KEB
Women had a flare in them; they were the fame with any Body, whereby they are joined and combined toge-IUXTA-POSITION, is that Disposition of Parts in

## Ŕ

A double Conforant, and the 10th Letter of the Alphabet. It is borrowed from the Greek Kappa; and was bur little used among the La-Profesar Inoked on it as a superfluous Letter, and fays, it was never to be used except in words borrowed from the Greek. Danfgnins, after Salnft, observes, that it was unknown to the antient Romans. Indeed we that it was unknown to the articus Resourt. Indeed we follow find it in suy Latific Authorities, excepting in the word Kalends, where it formetimes that in live of a C. ACIGG. CALES, P. Et. LARIT. and florentimes the Lever K alone flood for Carridge. M. Peger has observed, that a Capital K, so on the Reverte of the Medial of the Empresers of Confinemines for the Carridge. The Capital Confinement of Capital Capi

andreder, an opposition of the desired of the stage of the control K is also a Numeral Letter, fignifying a to, according to the Verfe;

K quaque decentos & quinquagima tenebit.

When it had a Stroke at top, it flood for 130000.

KABIN, or KEBIN, a temporary Marriage, in use among the Makemerans. The Kakin is contracted before the Cadi, in whose Presence the Man esponses the Woman for a certain time, upon condition that if he quits her at the end of that Term, she shall be allowed a certain Sum the end of that Term, fire final the allowed a certain Sam of Money. Some Authors fax, has the Kakin is only permitted among the Perisias, and in the Sect of All 5 but other maintain that it is allo perdicide among the Twist. KADARE, or KADARIE, the Name of a Sect among the Masserman, who deep the Parounter Tener of the Muffulners, Predefinestons; and maintain the Docume of Litery and Free Will is all it Latitude.

KALENDAR, Sec Calcularia,
KALENDAR, Sec Calcularia,

KALF.NIS. See Calend.

KALI, a Plan, otherwife called Glaffours; it grows in the Stands on the Sea-flow, where the Propile fow it in order to burn it green. Of its Affaste thy made Song, it is considered to the season of the Stands of the Season of the Stands of the S Kilns dug in the Ground for that purpose, which are close envered up with Earth, so as no Air may come at the Fire. centred by with Earth, fo as to Air may come at the Fire. The Matter by this means is not reduced into After cody, but make into a very hard force, like Rock-cody, but make into a very hard force, if the Rock-cody, but make into a very hard force, or above the Perron, They wake fact Quantities of it been, that they have the Promiser manufalcular in the thot beautiful Glaffea, which they directed return into moth interface the promiser manufalcular. The left is in Illind Agriculture and the Promiser manufalcular. The left is in Illind Agriculture and the Promiser manufalcular. The left is in Illind Agriculture and the Promiser manufalcular in Illind Agriculture and the Professional States.

fall of little Eyes or Holes.

KAN, the Name of an Officer in Perfia. The Kant are the fame things in Perfia that Governours are in Europe: There are Kantof Provinces, Countries, and Cities, who have different Additions to dillinguish them.

KAPI, a Term in the Enflern Countries for Gate. Thus the chief Gate of the Palace of the Emperor of Persia is called Ask Kopi, the Gate of God. Thus also the Officer who has the Command of the Grand Signior's Palace-

who has the Commund of the Grand Signier's Pilace-Grace, in celled Kappil Banks, proving in Associate Laboratory and Carten and Laboratory and Carten and

KARKRONI, a Building where the Royal Manufac-

KARKRONI, a Bailding where the Royal Manufactures of People are carried on. Here are much chief Tatescent People are carried on the extra the control of the Painter in Manister, and other Arms. There are allo Painters in Manister, Goldinthin, Lapidaries, 67.

Goldinthin, Lapidaries, 67.

For the Control of the Control o

(Asserts. K ASI, a Term in the East, applied to the fourth Pon-tiff of Persia, who, at the same time, is the second Civil Licuccant, and judges of Temporal as well as Spiritual Affairs. He has two Deputies who determine Matters of

Affairs. He has two Deputies who destremine Marters of led Confequence, particularly Quarter affing in Confection for the Confequence and the Confequence and the Confequence and the Confequence and the Confederation of the Confederation of

does, tene the Kans and other Officers when differed, on and out off their Heads when the King commender.

KAT, a Wharf or Place by the Water-life. In a SeaKAT, a Wharf or Place by the Water-life. In a SeaKAT, a Wharf or Place by the Water-life. In a Seath of the Common of th

KAYAGE, the Money, or Toll, paid for loading or sloading Wares at Kays. unloading Wares at Kay.

KEBER, the Name of a Seft smong the Perfision.

Thefo of this Seft are, for the generality, rich Merchants.

The Seft of this Seft are, for the generality, rich Merchants.

In one of the Seft are, for the generality, rich Merchants.

In one of the Seft are, the Seft are set of placins, we the

set a bring nebting in common with the Order Perfision. In one laws, whether or no they are originally Perfision, as

a bring nebting in common with the Order Perfision with

which they were very long, early their Defis, which is

optical director from the cell. They are in effect Henden,

but are in great Reputation for the Regulativy of their

originality of the seft of the Seft are set of the senter Perfisions but this confidence in minutes. Life. Some Authors fay they adore the Fire, in imitation of the antient Persians; but this is contradicted by others: of the autient Terjians is but this is contradicted by others. They believe the Immorrality of the Soul, and have fome things like what the Autient raught of Hell and the Elyjans Fittled. When say of them die, they let looke a Cock in his Houle, and drive it out into a Field; if a For iteries it, and bears it off, they make no doubt but the Soul of the Defunch is faved. If this first Experiment Soal of the Drivard in fewed. If this first Experiment don't fasify them, they have recount jo a fecond, which is ended when the property of Carcels into the Charch-tic Company of the company of the company of the the Birdy peck of the right Eye, they look on him as one of the Procellmanted, and bury him with a great deal bury of the company of the company of the company has a Reproduce, and thour him baselmon into a Dirth-har a Reproduce, and thour him baselmon into a Dirth-har a Reproduce, and thour him baselmon into a Dirth-har and the company of the company of the company which, in the Challes, Jorden, and Anthon, figuides to dear, the company of the company of the company of the when they make their Preyers. Mallower at first due that the proport on synders of their theory to the Charles proport on synders that the Challes the Charles when the proport of the company of

of Jerofalew, which was the Keldeb of the Jeror and Chri-jians. In courie of time, however, being willing to bring his own, off from any Communication in Matters of Relihis own, off from any Communication in Materier of Religious with the Euro and Criplians, the populous therm, in
growth the Euro and Criplians, the populous therm, in
Tempte of Mores, from which time they called their two
Tempte of Mores, from which time they called their two
Tempte of Mores, from which time they called their two
Tempte of Mores, from which time they called their two
Tempte of Mores, from which time they called
their two the two they called
the middle of the Amphithearce of the Morgae.
More than the called the two their own rather a Natle
to the middle of the Amphithearce of the Morgae.
The the Called the two the two they can
the middle of the Amphithearce of the Morgae
the Called
the Morgae
the Mo

Cheer, 6% REBLEIN OMA, the Name which the Twiz and Profines give to a little Pecker Compafs, which they always earry with them, in order to place themfelves the ways earry with them, in order to place themfelves the REDGING, a Sea-Ferm, after when a Veffel is brought up or down a narrow Rivey by the Wind, that the Tide the contrary not. To do this the Seamon for their Pescellif, of Perceptific, and the United with the Tide, that they may first her about; if the could be the Kind or New, they have a little Andrea Could.

with the Tide, that they may flat her about 1 if the come soon exto early believe, they have a little Ancher ready, called the Kedger, an Kedge-Ander, with a Hawder sitter, which is the Kedger and Kedger-Ander, with a Hawder sitter, and the Kedger and Kedger-Ander, which a Hawder sitter and the Hard about a s Cuttoms, Commodities, and Advantages as the Lord Chancellor of England hath for the time being. But shell Officers cannot properly foldfit at the fame time, fince the Statute of 5 Eliz.

Refer of the Privy Seal is a Lord by his Office; thro' whole Hands pais all Charters, figned by the King, helore they come to the Great Seal, and fome things which do not pais the Great Seal and Jone the King's Privy

of pals the Great seat at all. He is of the Ring sarry ouncil, and was antiently called Clerk of the Privy Seal. KERAMIAN; the Name of a Sect among the Mufful-nen, so called from Mahammad Ben Keram its Author. men, so called from Mohammad Ben Keram its Author.
The Keromians maintain, that whatever the Alcoma fays
of the Arms, Eyes, and Ears of God, is to be underflood
literally; fo that they admit the Targinflow, that is, a
kind of Corporeity in God; which however they explain

variously.

KERANA, a long Trumpet, in form of a Speaking-Trumpet, used by the Persians: To the Sound of this they add a confused Noise of Hauthoys, Timbrels, Drums and other Infrumena every Evening at Sanfet, and two Hours after Midnight.

Hours after humanit.

KERMES, a kind of Husk or Excreffence, as tis generally thought, about the Bignels of a Juniper-Berry, round, fmooth, and flinking, of a beautiful Red, and full of a mucilaginous Juice of the fame Colour. It is found thicking to the Leaves and Bark of a kind of flex or beautiful for the fame Colour. flicking to the Leaves and Bark of a kind of Hes or Holm Oak, in dysmir, Lowprodes, and other bot Countrie. It has a viscous Smell, a bitter, the agreeable Tarke, and over the state of the state of the state of the state of the countries. On the state of the state of the state of the oral bitter, and as it ripens becomes red. When the Krawes is dried, there comes out of it can infinite the Krawes is dried, there comes out of it can infinite

Namber of little forciba set Flies, for front II shat they are fearer featible; informeds that the whole invoid solutions are considered in the set of the set of the feature featible; informeds that the whole invoid solution, that they forcetime call it Formalise, (selled, protein, it has feet of call the main to beautiful Vermillen Colour.) To the feet of the feature of the feet of the feature of the feet of t

the Crim of Krower has the Rifted of Collas Statements with Virtical, and makes a good late, Milk's with Old Tarter of Lances, and the Statements of the Collas Statements

Grain of Formilion, because of the Woorms, Magages, or Bauertien's, into which the Grain Louden's Millerin's, figurity-in a Foot-ability of the American Loye Millerin's, figurity-ing a Foot-ability. Canders tells up, the Armics of Free Intel conflicted of Cavalry, cell'd Collegistic, and Infinitry lightly armed, called Karner. The Armes bore Swords and Datras to the laft were fitted Cords, by which they could rector them after they had been loanniched out. Kerner, in our Laws, fignific saile Ferfora or Vageboats. [ELV], a little for infirmment for the opening of Loxers.]

In UE and Figure are no well known on seed a pretis-lar Deferfprise. In Million has written a Trenite of Kopy prime as Vipid, I. Million has written a Trenite of Kopy prime as Vipid, I was a seed of the control of Kopy prime as the control of the control of the control of Kopy prime as the control of the control of the seed known in ferre Parts of the control of the prime and vipid as the control of the control of the Three and Vipid and the control of the control of the Three and Vipid and the control of the control of the first and prime as the control of the control Its Use and Figure are too well known to need a particu with they satisfully focused their Doors but the Lassue Kry, he minimize, were nearly ach in sofe to our ownst they constituted of these Brench and the satisful and the satisful and the satisful and the satisful and the forein in the Cahones of the Cariosa. There was another Key, Called Backbeyes, must on the manner of a Mide-fest of the Cariosa. Key, hence, becomes a general Name for leveral things that there up, or close other things. Key of an Arth or Visit in the Usin or Please deep than Bestrom, wedges, at it wore, and binds in all the ref. This Key is different in the different Orders in the Tipless and Doric via a plain Stune, burster as Pro-jection; in the new Visit and west in Visin, are

ter the manner of Confoles; in the Corimbian and Com-polits, 'tis a Confole enriched with Sculpture, Folia-

ter the manner of Conplete 3 in the viscoulture. Felling  $K_{\rm c}$  is a Golffer carried with Scalpure. Felling  $K_{\rm c}$  is a flux field for Exclosified Justification, and for the Newtor of Excommunicating and Aladerine. Thus the Newtor of Excommunicating and Aladerine. Thus the Example for, the Populs has the pener of the Key, and Complete on the Profiled as he placed, promoting their first of the Newton Scale for the Complete on the Profiled as the place for the Newton Scale for the Newton Scale for the Newton Scale for the Newton Scale for the Populs in East a true the Colline hereoffer for the Populs in East a first for the Fillings of St. Peris Collins, by Figure 1997, we were in the Soften, as being lapped to contain fome wonderful Alexander and Steasanersphy.

Key is also a Term in Polygraphy and Steganography, figoidying the Alphabet of a Cypher, which is a Secret known only to the Person who writes the Letter, and him who decyphers it. Some Cyphers have a fingle Key, where the fame Characters are used throughout, in other where the lame Characters are used mroughout, in ounce Cyphers the Characters are varied, and the Key must be double. In this Sense it is that we afe the words Key of a Book, Kry of an Author, as being let by it into some Secrets, with regard to Person, Times, Places, &c. which

and a speer without it.

Key, in Music, is a creatin finalmental Note or Tone, results the whole Firec, be it Concerts, Sontax, Canustra, but the state of the control of the state of the don't appear without it. different Subjects, yet so as that they have all a visible Connection with the principal Subject, which regulates and influences the whole; so in Music there may be vaand man subaltern Subjects, that is, various Keys, to which the different Parts of the Piece may belong: but then they must be all under the Influence of the first and princithey make a monte the inductor of the first and principal key, and have a feelible Commection with it. Now to give a more disting? Notion of the Key, we must obtered, the Colave contains in it the whole Principles of Music, both with reflect to Confinance or Harmony, and Succession or Miclosy and that it clitch Scale be constanted to a found to Colave, there will, in that Cate, the lower different Octates of the Degrees of an Octave, the Colave different Octates of the Degrees of an Octave, the Colave different Octates of the Degrees of an Octave, the Colave different Octates of the Degrees of an Octave, the Colave different Octave of the Cola proceeding, from the fevo different Lextus with which the Terms of the Social see marked. Any given Some did not determine Fisch or Tune, the Lextus with the Control of the Social see marked. Any given Some did not be the Control of the Control o proceeding from the feven different Letters with which the Terms of the Scale are marked. Any given Sound governs all the rest; limiting them so far, as that they must be, to it, in relation of the seven effectial Notes of an Octave; and when any other Note is brought in, 'tis called, gaing one of the Kry. From which way of freak-ing, was a Song, continuing in, or going out of the Kry, in the continuing in the continuing of the Kry. In which has been of the word Kry (cas. Note in fails to be out of the Kry, when it has not the Relation to that Fundamental of my of the natural later of the control of the Kry of the continuing of factors of the control of the Kry of the control factors of the control of the control of the control factors of the control of the control of the control factors of the control of called, going out of the Kry. From which way of fpeak-ing, viz. a Song's continuing in, or going out of the Key, it

Keyi i i.e. it may begin in one Kry, and be led out of that into another, by introducing fome Note foreign to the first, and fo on to another: but a regular Free must not early recurn to the first Key, but those other Kry, too, must have a particular Connection with the first. It may be maded, that those other Kry must be forme of the natural content of the principal Aky, the cut may of them as a superior of the third that the cut of the cut and the cut of t

pleafur. As to the Difficience of Keyr, we have already ob-ferred, that to confirms any giren Note or Soond, a ferred, that to confirms any giren Note or Soond, a form of the Confirms of the Confirm of the Confirms of the Confirm of the Confirm of the Confirm of the Octaves, all the Notes of the Proc mult be takes, while it a keep within the Keyr, i.e. within the Government of that Pandamanal. "In evident therefore there are but two different Species of Keyr, which arise according as we just the girant or left Third, the feeting always ac-cient the third, or financial result of the fame Spe-ciest the third, or financial result of the fame Spe-ciest the third, or financial result of the fame Spewe join the facute or that a most neck being aways acticity the third; for inliance, with the first, and lecvath g; and the third with the first and lecvath g; and the third with the first and lecvath g; and the third with the first and lecvath g; and the third with the first and lecvath g; and the bind g; and the least g; and
the line k/y, which is that with the obid; f; gf.
whence tip pin, with the many different Clode fover
there les in Fiece, there can be but two Key, if we comclusted the line first g; and every share, from the line
as to Medoly, as well as every flat one. It must be obfered, however, the in cumman Praffer the Key as an
iddifferent Tune, or Firth of the Nore, in which the different Clodes are must le which Sea first the first West
full on the line first the first with the first West
full on the line first first form sing the first West
different Sextes, M. Maistale propeles the word Male to
be foliable that all of the west Key, in the first Male
different Sextes, M. Maistale propeles the word Male to
be foliableted intend of the word Key, in the first Mer. different Serfes, M. Maishub proposes the word Made to be fulfillated inflicted of the word Agy, in the former to fulfillated inflicted of the word Agy, in the former to the fulfillated of the word Agy, in the former natural Notes, beful exhibit to fix the conflicted of the act two officies of it, he proposels, that with a third there are two officies of it, he proposels, that with a third defer Mode is appropriating the word Agy in the Notes of the Piece in which the Chence is made at all of which way be called different Key, in redpect of their different way be called different Key, in redpect of their different may be called current Acys, in respect of unor durerent Degrees of Tune. To diffinguish then accurately between a Mede and a Key, be gives us this Definition, viv. an Ochave, with all its natural and effential Degrees, is a Mode, with refrect to the Conflictation or Manner of di-viding it; but with refrect to its Place in the Scale of viding it; but with respect to its Vance in the Scale of Musc, i.e. the Degreene Picho of Tunc, icis a Key; tho' that Name is peculiarly applied to the Fundamental: whence it follows, that the same Mode may be with different Keys, i.e. an Octave of Sounds may be raid in the same Order and Kind of Degrees which makes the same Mode, Order and Kind of Degrees which makes the tame Moote, and yet be began higher or lower, i.e. be taken at different Degrees of Tune with respect to the whole, which makes different Keys and, wice verifi, that the fame Key may be with different Modes, i.e. the Extremes of vew Octaves may be in the same Degree of Tune, yet the Division of them be different. See Madalation, Harmeny,

Dividion of them be different. See Modalaim, Memery, Messey, M. fight hole little Press in the Generard of Organ, Spinette, or Virginal, by means whereaf the Jakic play, to an of thick the Grange of the International Conference of the Pope, by radiog and the Pope, by the Conference of the Conference

and carrying it to the Grand Vifice, that Mindler first kiffes it, and then draws out of his Bosom the Grand kiffes it, and then draws out of his Bosom the Grand Signior's Gold Scal; in the mean time he looks narrowly after the Officer, who, when he has done his Bufine's in the Treafury, locks and feals up the Place, and returns the Seal to the Vizier with the fame Ceremony as before.

ly after the Officer, who, when he has done his Barbert in the Testerley, places, and century the Place, and termine the Seal to the Visiter with the fame Ceremony as before, where the Officer are nover, allowed to the transmission of the Ceremony as before, where the Officer are nover, allowed to the transmission of the Ceremony and the Clark the Clark

King of Delos, fays, Rex Anins, Rex idem Haminum Phabique Sacerdor.

King of Doin, Inj.,

Res doins, Res idea Haminum Philippes Geordas.

Res doins, Res idea Haminum Philippes Geordas.

As to the Romans, Livy and Dungfus are captefy, they

Res doins seemed to the seemed to the control of Research

Felina Andre the Expallion of King, they were obliged

to create a Res Owners, a King of the Societies, for the control as Research

Among the Grest, the King of Feyle had departed

Among the Grest, the King of Feyle had departed

Among the Grest, the King of Feyle had departed

Among the Grest, the Fine of Research

Among the Grest, May to King of Feyle had departed

Among the Grest, May to King of Feyle had departed

Among the Grest, May to Live Live See and the King of

Grain that of Guidel, King, The Live See and the King of

Grain that of Guidel, King, The Live See and the King of

Grain that of Guidel, King, The Live See and the Convenience of the Empire, as to Academies in the

Normal Womens. Accordingly the Dose the Title of King

Bad dade her Kingling, and though any which there is a substitute of the Convenience of the Conven

activated carried calce, via a Ruk. A the Transact most reparables per billion, and an Englishman Hall not, in any order Calce, but a support to the control of the Calce of t

our el Iné Ecclesifical Bienefica in Emissa. He has Power, without say Att of He has I wore, without say Att of Treaties, make Leagues and Treaties, the Coule Were or Foace, make Leagues and Treaties, the Coule Were or Foace, make Leagues and Treaties, the County of the Has and the County of the Has and the Has and the Has and Has a on other Towns for Tensing Burgetters to Petriamon. He has power to entrache an Alexa and make him an Des has power to entrache an Alexa and make him an Des to the power of the Alexa and the power of the Alexa and the Alexa and the Alexa and the Arrelate of others. He may define the Cedabur from the Arrelate of others. He may difficult for the whole Debt and the Alexa and the A He can unpenie with the Argort of the Ecclemental Laws, except those that have been confirmed by an Act of Parliamens, or declared by the Bill of Rights, as for a Battlard to be a Friett, for a Billiop to bold a Benefice is commendant, 55. He has Power to dispense with feveral Acts of Parliamens and weal Senters. In a 3th and 4th and the

a Balland volue à Friefi, for a Billiogue to bold à Biennética se de l'estation de la possibilité de l'estation de

nor be nonfuited.

Some things, however, there are which he cannot be nonfuited. Some things, however, there are which he cannot do, who cannot do Wrong, no can he dived himfelf, or Succellors, of any partot his Regal Percegative, Authority, &c. There are feveral things also which he cannot do, Salvo Jure, Salvo Jurenauer, & Malvo Carifochia fas. In particular the care two things which he cannot do without the Canfant of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Laws, or mile own The Market of Patisament, vis. Make now Market of Patisament, vis. Make no

winfout the Conford Patilament, wis. Make new Lewe, or realing new Taxes, we are Rrute of a brief, by Minister of Religion, in anison Rrute. He was the Minister of Religion, in anison Rrute of Possific Musiness. He was ceared as the Conford, or Alfrenhy of the Conford Minister of M

KINGDOM, among the Obymitts, is a Term, which they apply to case to the three Orders, or Claffes of advanta Bodger's finingst, Vegetuble, and Mineral. RINGS 11 "ARMS, Officers of great Antiquity, and milecul" of great Authority, they direct the Heralds, profile arther Chapters, and have the Jurificilism of Heralds, profile arther Chapters, and have the Jurificilism of the Mineral Internal was been dependent on the Chapters.

and Narroy.

remeas, and Narray.

The first and principal is called Garter, inflituted by Henry V. His Office is to attend the Knights of the Garter at their Affenthlies, to marfind the Solemnittes at the Funerals of the higheft Nobility, and to carry the Garter to Kings and Princes beyond the Sea 3 on which occafrom he used to be joined in Commission with fome princi-

fron he used to be joined in Commission with fome principal Peer of the Kingdom.

The next is Clarence, to whom he first belonged. His Office is to marshal and diffeose the Funerals of all the interior Nobility, as Baronets, Knights, Efquires, and Gentlemen, on the Sooth-fide of the Treet.

The third is Norvey, or Norsbern, whose Business is to do
the same on the North fide of the River Trent. These
two last are called Provincial Heralds, in regard they divide the Kingdom between them into two Pravinces

Thefe two laft, by Charter, bave power to vifit Noble-mens Families, to fet down their Pedigrees, diffinguish their Arms, appoint Perfors their Arms, and, with Garter, to direct the Heralds.

Antiently the Kings at Arms were created and folemnly crowned by the Kings of Logland themfelves; but of later Days the Earl Marthal has a special Commission, at every Creation, to perforate the King.

every creation, to perforate the king.

To the former may be added Lyou, King at Arms for Sostand, who is the fectod King at Arms for Great Bitans, it is invested and crown'd with great Solemnity. To him belongs the publishing the King's Proclamation, the man-

belongs the publishing the long's troctamation, the mar-fialling Fauerals, reverting Arms, 4%. KING'S-BENCH, a Court, or Judgment-Seat, fo cal-led, in regard the King is dupposed to fit in Person as Judge of the Court, and may do fo whenever he plea-terly for which reason all Write, and other Process in this Court, are made returnable coross solve, that it, bethis Goard, are made returnable errors stoby, that is, of-fore the King himfelf, and not come "Splicanity roples," as is the Form in the Cosmon Plan. The Judges of this Court are the Chief Julice, and three other Judges. In his Gourt are principally determined Matter's relating to the Crown, and the letter. When any Perfors aggreeted by any Order of Julices, of Quarres Addinguisting aggreeted to the Crown, and the Court of the Comment of the Comment recourter histories the Right of Electhological way become recourse hisher; the Rights of Elediscas of Mayora, Bal-lini, Gealibles, E., ear often, que anisatural, hosquis-hester this Coart to be collected in the Carte to be con-tracted by the Carte to be compared to the Carte to be unfailly, or any siferiar Coart, whose the Matters appear to be tryable at Common Law. The Subject hash also a Right on the my Perlan in this Carte from 190 bet or vanapourly and expeditionally preceed. The Chief Jul-tice is continued by Wiri, and in mold, Romado Fre level geller, and so cannot be difflaced without from general difference success to for survey by Carte Julius 190. leave geliver, and to cannot be displaced surhout forms other infrired planels, were unack only downed here planen, and accordingly were turned out at the King's pleasure. The Sattary of the Lard Chair Juliuse under to be based on the planels of the based of the ba of Leefs. The three-inferie Judges of this Garra go the Circuits, and are to Committion of Oyer and Termine at the Oldstaulers, their Salary is 37st. For Term, to which they, as well as the Chief Judges, are entitled, the dreb phapen not to fir one Day in Court in the Term, under they give their Affeiter to Highland, yes, on 4 story-free, in, to be charged with Negligence; and their all to hald by Quenning Judges (and the Appendix of the Circuit of New York (1998)). The Circuit is the charged with Negligence; and their calls hald by Quenning Judges (1998), and the Circuit of New York (1998), and the N trans, who are supposed to enter all the Pleadings and Judgments between Barry and Parry, althot this is done by an Entring-Clirk under them; and all Writs of Lati-tat, no control, Bills of Model'ex, Halesto per, &c., are fubferibed with the Names of these chief Clirks. The

Secondary all as the Mafter of the Office on the Pleas Stok, and is the Califer's Deputy, 5 the Office is to containing any Ferding, who is to be Ferrira an Estraja-Califor, the California of ment of all Deeds in Court

folgment of an incess in court.

KING's-SILVER, is that Money due to the King in
the Court of Common-Pless, pro Lecentia Concording, in
refpect of a Licence there granted to any Man for levy-

ing I rine.

KINTAL, or Quintal, is a Weight of One Hundred Pounds, more or lefs, according to the different Ufage of divers Nations. The Kinnal of Guirna is 123 Pounds, 50 Dunces, 9 Drams; or 120 Pounds, 7 Ounces, 12 Drams; but that of Meppo is 465 Pounds, 11 Dunces,

KIPPER-TIME is a Space of Time between the Fe fival of the Imains of the Holy Cross, May the 2d, and Twelfib-Day; during which, Salmon-Fishing in the River Thames, from Gravejend to Henley, is forbidden by Res. Parl. 50 Edw.

Park, so Libro, 3.

RIKKMOTE, a Synod 3 femetimes 'tis taken for a MIKKMOTE, a Synod 3 femetimes 'tis taken for a Metting in the Church or Vellty.

KIRK-SESSIONS, the Name of a petry Ecclefiatistal Judicatory in 'sostomed. Each Parith, according to its Extent, is divided into feveral particular Diffrists, every one of which has its own Elder and Deacon to overfor it. A Conflictory of the Nivillexs, Elders, and Deacons of a A Consistery of the Ministers, Elders, and Deacens of a Parish form & N.-& Sefont. It is meets once a Week, the Minister being Moderator, but without a negative Voice. It regulates Matters relating to publick Worlding, Elec-tions, Carachining, Visitation, & It judges in Matters of lefs Standal; but greater, as Adultery, are left to the Probyecty, and in all Cales in Appeal lies from it to the Probyecty, and in all Cales in Appeal lies from it to the Minister of the Cale of

Presiyeery,

KiZILBACHE, a Twikjó word, fignifying Red-Head.

This Term the Twick have applied, by way of Obloquy,

to the Feylinar, ever time Ipimael Spih, Founder of the

Family now reigning in Feylia, ordered his Soldiers to

were a red Cap, reund which is a Scar of Turban with a

dozen Blats in it, in memory of the twelve Insum; Soldiers

from Whom he petended to defected. Fa
cellins of Af, from Whom he petended to defected. Fa
cellins of Af, from Whom he petended to defected. cetter or Ab, From whom he pretended to delected. From which we week According, and adds, that according fore writes in weak According, and adds, that according to twoke Plains figurify the rewlew Sacrameans of their twoke Plains figurify the rewlew Sacrameans of their Law. But as this does not faitfy him, he looks out for enother Original, and tells us there is a Mylitery for the control of t their walter in total and the state of the state of the state of the twelve Plaits shew the twelve Months of the Year, and the twelve Signs in which that Luminary performs

his Courte, KNAVE is an old Savon Word for a Man-Servant, and is fourfed in 14.E.3, Sar 1. e. 3, Verifegan thinks it comes from the Dateb Caspo, figoritying the fame. It forme-times alfa fignifies a Male-Child, or Boy, in which fenfe a Knave Child hath been frequently uled, formerly, in contraditionction to a Girl3 and in this tenfe Wickeling. uses the word in his Translation of Exacts 1. 16. and other Places of the Bible. In the old Seast Translation of Mar. 8.6. Puer mens jaces in Domo Paralyticus, was turned, Myn

arre was fometimes also used as an additional Tirle. as Mindelmo Competing and the same an accurrant litte, as Mindelmo Competed to Denly, Kamer, G.S.—Tisa common Opinion, that Room, 1:1. was translated, Paul at Kamer of Joyat Chill. This Milliabe has been excessioned by a Biblio in the Duke of Leaderdal's Library, where the word Kenesse is inferred in lief. Characters than tho others, and a

in the Duble of Louderina's Laterary, Waret one worn Refure may be cash; difference, Refure may be cash; difference, Refure may be cash; difference, Revision of the Common Common, Korebe, Rignifica a KNIGHT, in its original German, Korebe, Rignifica a Gardiner of Mand Viwa. We have been one lathance among us, where the word Krighe's study in the first Borfs, and that in in Kareby of its Slow, who properly fergine a lateration, as the size of the size of the common co

(419) for perfonal Defert, dies with the Perfon deferving, and not defeend to his Heirs.

does not corrected to an Merra.

Knight was the first Degree of Honour, in the antient Militis, and was conferred with a great deal of Ceromory on those who had dillinguistful themselves by force notable Exploit in Arms. They were originally fail to be adopted, which we now call dubbb'd; as being (upposed, in fome measure, the Sons of him who knighted them.
The Ceremonies at the Creation of a Knight have been The Coremondes at the Creation of a Knigh have been various. The principal were a box on the Ear, and a ration. The principal were a box on the Ear, and a pat on him a Shoulder-belt and glit Sword, Spurs, and the other military Accourtments after which, being armed as a Knight, he was led in great Pomp to the Court-ham of the Court of ques in Namine Dei. This is meant of Knight-Batchelors, which is the lowest, the most antient Order of Knightwhich a five lowelt, find no moist sentent Cucke or Ampst-bood stiming us. Angight prope to very namerous, the ob-bod stiming us. Angight proper to very namerous, there to have made soo in a fingle Day. On which secount therefore, new Orders of Kuichebash were influred, in order to dillinguish the more deferring from the Croad-For the Several Histol of Kneight samong us, for Batchelor, Banneror, Javaset, Jank, See. Everina admitted into any English in all on underticed or experience and relieves

Coder, either purely military, or military and religious, inflittuded by fome King or Prince according to a certain Permula, with certain Marks and Tokens of Honour and Diffinction: as the Order of the Garrer, of the Elephant, of the Haly Ghoff, of Malen, the. All which fee under Laisenessee Marks.

of me may notify, by Ballan, gife. All which fee under Knippt, among the Remen, was the Focal Degree of Nobility, following immediately that of the Senason. Art is nine of Sonaling the Groy of Reme, the whole Minch and the Company of the Company of the Senason. Art is the Company of the Company of the Senason Figure or Knippt. Their made the found Order of opinion, that bendes the Equations Order, and their Knippt immediately below the Senason, Remeir inflienced a Military Order in opposition to the Intury. But head, inflittent of the proposition of the Equation of the Senason of the Senason, they refigired that Frindiges. The A Novelly views necessity when the Senason of their proper Names. feribed Revenue, they were expunged out of the Lit of Knights, and thruit down among the Plebeians. Ten rhoufand Crowns is computed to have been the Revenue The Knights grew fo very powerful, that they required. The Knight given for very powerful, that they became a Balance between the Power of the Secure of the Secure and the Power of the Secure of the Secure of the Secure of the Power of the Secure of the Sec required. time that a certain Revenue was necessary, and that this intitled them to the Knighthood, without being descend-

KNIGHT ERRANT, a pretended Order of Knights, whereof ample mention is made in old Romances. They were a kind of Heroes who travel'd the World in foarch of Advenures, redrefting Wrongs, refering Damfels, and raking all occasions of figualizing their Prowess. This Ro-mantic Bravery of the Old Knights was heretofore the mantic Bravery of the Old Knight was necessors are Chimzera of the Spannards; among whom, there was no Cavalier but had his Miffrefs, whofe Effects he was to gain by fome heroic Action. The Duke of Alea, for all his Age, and Gravity, is faid to have vow'd the Conquest of the control of the

his nge and Orravity, in taile to nave you of the Conquery,
NNIGHTHGOOD, a Military Criter or Honoury a
Mark or Degree of antient Nobility, or Reward of Perfor
Mark or Degree of antient Nobility, or Reward of Perfor
Noville Military, Regular, Honoury, and Social. Military,
it that of the antient Rubpits, who scapined it by high
Feats of Arms. Thefe are call'd Molese in antient Charbear Social Conference of the Conference bare Barchelors, &c. Several Princes have been installed Military Knights with a great deal of Ceremony. Thefe Knights were girt with a Sword and a Pair of gilt Spurs,

whence they were call'd Equites Auran. Regular Knighthood is understood of such of the Military Orders, which profess to is underfined of fuch of the Military Colear, which profits no user from particular Habit, to bear Arms against the Infi-dels, to Seccure and aftin I Plajrimin in heir padlage on Helbidy, and a single property of the Infi-dels of the Infinite Arms of the Infi bocal Languesses is that water is not exect, nor communes by any formal inflitation, nor regulated by any lafting Sta-tutes; of which kind there have many rifen on occa-fion of Factions, of Tilts and Tournaments, Mafquees, &c.

rades, &c.

Knighbiswalis inot hereditary, but acquired. It does not
come into the World with a Man, like Nobility; user can
the revoked. The Sone of Kings, and Kings themfelves,
with all other Sovereigns, heretofree had Knightbood confer'd on'e mas a Mark of Honour. They were usually
knighted at their Beprifm or Marriage, at their Goronaton. Aufter or office a thomat.

before or after a Battel, &c.

tion, before or after a Biatel, §6..

The Abbot Fernands Sylfinismi, at the beginning of his Hitlery of Kniphinot, gives us a very complent Catalogue of the feveral Orders, according to whole Computed they are in number 92. Favin has given us two Volumes of 'em, under the Title of Tearre of Hosses and Chicalogue of 'em, under the Title of Tearre of Hosses and Chicalogue, Statement has published Delichte Experience Ordenson and And Movile Research and Part of the Statement of the Chicalogue and And Memit has written de Ordinaius Militaribus. Belds has traced their Original, and Gelsu in his Armavial Index has given us their Indituations. To thefe may be added, Father Newlyties's Autonia and Moder Knijkshood, Micheli's Trefor Militaire, Caramerl's Theologia Regulare, Mercus's Origine Freedistion for Militaire, Ordinains.

In the Child of the Child of Continuous of the Child of th

Houle, having Juridiction and Cognizance of any Trans-greefilm within the King's Houfe and Verge; as all of Commelt made there, whereof one of the Houfe is Parlu-Ment, are two Knights or Gentlemen of Worth choles on the King's Writin pleus Camitant, by fach of the Freeholders of some Comment. the King's Write place Comitans, by Inch of the Frecholders of every Country as an expend 4.07, per animam Thele, when every Man who had a Kinghis-Feo were enflowardly confirmid to be Kinghès, were of necessity to be Malues Clada aintil, for 6 the Writ runs to this day but most Cathon admis Efigures to be chosen to this Office. They mult have at least 400.2, per animos 3 and their Expenses are to be defrayd by the Country, though this be feldom,

now, required.

KNIGHTS, in a Ship, are two Pieces of Timber, to each of which go four Shivers, three for the Halliands, and one for the 'Do-Ropes: they are dially in the figure of fome Head. One of 'em tlands aft the Main-Mad, and for that reafon is call'd the Main-Kmels; another Hands abate the Fore-Mail, on the fecond Deck, and is call'd the Fore Knight,

call'd the Iore Knight.

KNIGHT-EERVICE, a Tenure whereby feveral Lands
in this Narion were antiently held of the King is which
drew after it Homage, Etchage, Wardfiny, Mariage, &c.
But taken away by the Statute 1s. Car. s.

KNIGHTS-FEE, an antient Law-Term, figoifying for
much laberisance as is fulficient to maintain a Knight with

much inheritance as is futnetient to maintain a Knight with fuitable Retinue; which, in Henry the Third's days was reckon'd at Fifteen Pounds. But GirT.South traces it at 40. By a Sart, 12Em., is then as had not, per natures in Fee or for Life, might be compelled to be Knights; but whis Sarane is nowed 14 or 50.

Fee or for Life, might be compelled to be Knights j but this Statute in repealed 1 / 2m. 1, for all in England, at the Some flay, that there were found in England, at the Some flay, that there were found to be supported to the control of the control of the Chiples Houries, before their lappereline, were possessive for the Stationar Houries, before their lappereline, were possessive for the Stationary Lord in the Control of the Chiples of the Stationary of the Houries of the Stationary of the Stationary of the Stationary Room. The Wood is bartlet and cloter in the Korn than Room. The Wood is bartlet and cloter in the Korn than

NOOES I DE WOOD IS BRAITE and CLOICE IN the EASIST that in any other part, but it is all of more fubied to fells. Vince and low Fruit-Trees are loop? dat the fecond Krest of the new Shoot. The Ufe of the Krest of Plans is to firengehen the Stem: They ferre also as Searces to fittency purity, and refine the Juice rais'd up for the Nourithment of the Plans.

or the Fight.

The Divisions of the Log-Line at Sea are also call'd Knott. These are usually seven Fashorns or forty-two Feet alunder, but they should be fifty Feet; and then as many Knott as the Log Line rouss out in half a Minutey for many Miles doth the Ship fail in an Hoar, supposing

be many states dont me Ship iau in an Hoar, tappoing her to keep going at any equal rate, and allowing for Yawa, Lee-way, Ee.

Kust, in Medicine, is a Tuberofity form'd in the Joint of old Goary People, confifting of a thick vifcous, crude, indigefied Firuita, accompanied with a billious Humour, her and actinguishes: the confifth and profit seasons. hot and acrimonious; the groffest and most terrestrial part whereof clogs and converts into a stony Substance like Chalk: whence Knots are ingendred; like Stones Tophi.

Tephi, or Nedus, is also used for the Intrigue of a Ro-mance or Dramatic Piece: that is, for that part where the Persons are the most embarased, by a Compandeure of Affairs whose End it is not easy to foresee. Arisistic, under this Term, includes all the Incidents of a Tragedy, The Keet holds as long as the Mind is kept furpened on the Event. The Keet ought always to last to the middle

the Erent. The Kest ought always to latt to the minuse of the fifth Act, otherwise the reit of the Free becomes feeble and languilling.

Order of the Kest, the Name of a Military Order in the Kingdom of Naple, infiltrated in the Pear 1332, by Queen Janel. on occasion of the Peace established between her and the King of Hattgary, by means of her Marriage with Lanis Prince of Tarenton. The Order confilled of fixty Knights. Clement VI. approved this Order, and gave in the Rule of St. Eafil: It chofe St. Niebolas for its Protector,

but dwindled away after the Death of its Foundress.

KNOWLEDGE, according to Mr. Lecke, confilts in the Perception of the Connection and Agreement, or Difagreement and Repugnancy of our Ideas. Thus we knew the Confilts of the Connection and Conne agreement and repugnisary of part basis. And we see that White is not Black, by perceiving that thefe two Ideas do not agree. Again, in knowing that the three Angles of a Triangle are equal to two right ones; what do gles of a Triangle are equal to two right ones; what do we more than percive that Equality to two right ones doth necessarily agree to, and is infeparable from the three Angles of a Triangle? As to the Agreement or Difagreement of Ideas, we may reduce the whole Decrease, Confequently the whole Stock of our Knumberg to their four Heads; sie, Identity or Divertity, Relation, One of the Conference of the Con Co-existence, and Real Existence.

Co-existence, and Keal Existence.
With regard to the Identity or Diversity of our Ideas,
we may observe. That 'its the first Act of the Mind
to perceive its own Ideas, and fo fir as it perceives
them, to know each what it is, and thereby to perceive
them, to know each what it is, and thereby to perceive them, to, have each what it is, and thereby a precise their distrence, that is, the one not be the other; by that he billed clearly perceive each left no agree with itthere is the control of the cont the Reliam between my two Ideas, of what had fo-wers; that is, their Agreement on Diligeneeurs one with snober, in the feveral ways or refpects the Mind takes of comparing them. The third for ref Agreement or Diligeneeurs to be found in our Ideas, is Co-exilience or Non-Oversittenee in the firms Subject, and this belong particularly to Sublimeros. Thus when we prosonate conceived Cold test it is fixed, it amounts too more but conceived Cold test it is fixed, it amounts too more but continued, is an Idea that always accompanies, the resi-cultural, is an Idea that always accompanies, the con-inuals Section 19 (Fellownee, Weight, Fighfillity, Fe confumed, is an Idea that always a companies that par-ticular Sert of Yellownef, Weights, PuBbillty, Ser, which makes our complex Idea fignified by the word Gold. The fourth born is thora's chall and real Existence, agreeing onany Idea. Within their four Serts of Agree-ments of Diagreeoms, feerns contained all the Kenn-ment of Diagreeoms, feerns contained all the Kenn-ledge we have, or are capable of i for all that we know or cut siltern contening any Idea, is, That it, not in so the fance with fourcooker; as that Idea is not Yellow: School's - what pans informatible amobile in the fance School's - what pans informatible amobile in the fance Subject; as that Iron is susceptible of magnetical Impref-fions; that it hath that or this Relation to fome other

that does to does not co-cuit with another in the fame frost that it shall that on the Relation to fame show that the relation to fame show that the relation to fame show the flows, at That two Tringles, upon equal Bafes, between without the Mind. (a. The Goth, as a real Existence without the Mind. (a. The Goth, as a real Existence without the Mind. (a. The Goth, as The Goth, that The Goth, as the Goth, a

Trarbs where the Ideas themselves, by an immediate View, discover their Agreement or Disagreement one with another. The other is of such Truths, whereof the Mind having been convinced, it retains the Memory of the Conviction, without the Proofs. Thus a Man that office navely been constructed, if remove the neutrony of the control of the cont be true, he will always know to be true, he will always know to be remember that he once knew it.

remember that he once knew it.

As to the different Degrees, or Clearnels of our Knowledge, it deems to lie in the different way which the Mind
has of perceiving the Agreement or Different of any
of its Ideas. When the Mind perceives his Agreement
or Different or the Mind perceives the Agreement
or Different of two Ideas immediately by themselves, withour the Intervention of any other, we may call it Intatree Knowledge, in which Cafesthe Mind perceives the Truth,
as the Eye doth Light, only by being directed towards it. as the Eye don Light, only by being directed towards in.
Thas the Mind perceives, hat White is not Black; but
three are more than two, and equal to one and two.
This Part of Knowledge is irrefulfule, and, lithe
bright San-fline, forces itfelf immediately to be perbrigati Sun-filine, torces itself immediately to be per-ceived, as form as ever the Mind turns its View that way, It is on this Intuition that depends all the Certainty and Evidence of our other Kosselsele, which Certainty eve-ey one finds to be for great, that be cannot imagine, and incredire cannot require a greater. The next Degree of the control of the control of the control of the control of the perceive and the control of the firm as it is greater to the control of the control of the control of the firm as it is greater to the control of the contr usent or Difagreement immediately, or by the Justic-ro-fittion, as it were, of the Idea, became the hole Idea, con-cerning whole Agreement or Difagreement the Enquiry is made, cannot by the Mind be to put roughter as to flow it. In this Cafe the Mind is obliged to difcorte the Agreement of Diffurpress, which is faculty for Bow it. In this Cafe the Ddird is obliged to different set the Agreement or Different or Different the Agreement, which it features for by the Intervention of other Ideas: and this is that which we call Rendering and thus if we wealld know the Agreement or Different or a Bignet, between the three Angles of a Total or the Agreement or Different or Differe Angles of a Triangle, and two right Angles, we cannot do it by an immediate View and Comparison of them, because it by an immediate View and Comparition of them, because the three Angles of a Triangle cannot be brought negether at once, and compared with any other one or two Angles a and for this the Minds has no immediate, or in-gless a few or this the Minds has no immediate, or in-dangles, and for the three Angles of a Triangle have E-quality is and the three Angles of a Triangle have E-quality is and the decay of the three Angles or two right ones, we come to know the E-three Angles of the three Angles to two rights ones. come to some mentil throw option, or was fragmental variety of the common to the commo right ones. Those intervening Ideas, which serve to she w

KNO (421)

KNO

of the Demonstration, must also be exactly carried in the Mind i and a Man must be fure that no part is left out, which, because in long Deductions, the Memory cannot cally retain, this Kwaedog's becomes more imperfect than intuitive, and Men often embrace Falshoods for Demonstration. Demonstrations.

Ir has been generally taken for granted, that Mathematicks alone are capable of demonstrative Certainty; but to have such an Agreement or Disagreement, as may maticks close are capable of demonstrative Certainty's but to the tells and Agreement at Differencent, as may but to the tells and Agreement at Differencent, and Figure 1 and mode, and counted by Degrees, and nor Quantity, we have see for the and scenaries a Difficultion of helf-this have see for the and scenaries a Difficultion of helf-this have seen for the and a second of the seen of the see

of Konsielde.

Nothing can be more certain, than that the Idea we receive from an external Object, is in our Minda: This Vision of the Control of the Contro no fach. Object stiffets their Stoffes. But it is evident, what we are invisibly conficious to outflews of a different Perception, when we look on the Sun in the Day, and think on it by Night; when we extually tatte Wormship of the Sun in the have of the actual knerance of Ideas from them, and allow thefe three Degrees of Knowledge, via: intuitive, demonstrative, and feenfaive. But fince our Knowledge is founded on and imployed about our Ideas only, will it follow thence, that it must be conformable to our Ideas, and that where our Ideas are clear and diffined, obtained the conformation of the Conforma Ideas, and that where our Ideas are clear and diffinely, ob-forward confided, there our Knwischer will be for not. We an (wer, No: For our Knwischer will be for not. Ver an (wer, No: For our Knwischer confifting in the Per-ception of the Agreement or Diffagreement of any two Ideas, its Clearness or Obfcurity confifts in the Clear-ness or Obfcurity of that Perception, and not in the Clear-wels or Obfcurity of the Perception, and not in the Clear-wels or Obfcurity of the Ideas themselves. A Man (for inflance) who that a clear Idea of the Angles of a Tri-nitance) who that a clear Idea of the Angles of a Triangle, and of Equality to two right toots, may yet have but an obfere: Perception of their Agreement, and fo have but a very obfere. Kenteley of it: But obfere, show the property of it: But obfered find Kenwelder, became from the care of the find Kenwelder, became from the care percent for the object of the contract of the care of the fearer or confided, for the Mind can never perceive clearly, whether they agree or different or the to fine this percent of the contract of the contract has been described did to the Words he after, cannot be a support of them, of whose I with the care the certain.

certain,
From all this it follows 5 (1.) That we can have no
Knowledge farther than we have Ideas, (2.) That we
have no Knowledge farther than we can have Perception of
the Agreement or Disagreement of our Ideas, either by note in Austrologic Intellect in mose can have Perception of Inquision, Demonstration, or Stendislos. (3) We example Inquision, Demonstration, or Stendislos. (3) We example Inquision, Demonstration, or Stendislos. (3) We example Inquision through the Inquision through have one to another by Justa Pedinion, or an intellective precision that Inquision through the Inquision the Agreement or Difagreement of our Ideas, either by Intuition, Demonstration, or Sensation. (3.) We cannot

perceive to be what it is, and to be different from any other. (2.) As to the Agreement or Different of our ideas of Co-exiftence, our Knowledge herein is very defec-tive, the 'visit in this that the greatest and most material Parts of our Knowledge concerning Subflances confishs; For our Ideas of Substances being nothing but certain Collecour lders of Sublitations being mishing bas cernin Gallec-tions of finight leads, co-citting in one Subject, (our lde of Hamo, kir initiance, is a Body her, luminous, and mor-ing awards.) When we would know say thing traffice the control of the subject of the subject of the con-bolish of the subject of the subject of the subject of we but cogine what other Qualities or levers their Sublitances have or have not a which is southing ellow to how what other finight ldens do, or do not crift with their hards are just as complete ledes. The Reta-fon of this is, because the finight ldens, which make up our complete ledes of Sublitances have no willbe needled. ry Consection or Inconfiltence with other fimple Ideas, whose Co-existence with them we would inform ourselves about. These Ideas being likewise for the most part seshoat. Their lides being likewife fur the mod part of conduct Qualities, which depend aposition primary Qua-lities of their minute or infectible Parts, or on frontellings into the conduction of the conduction of the conduction of the following parts of the conduction of the conduc (of minate) a 'yeliow Cubiar, or 'weet' 1 tite, or 'himp' comal' i that we can by an omean conceive how my Sice, Somal' i, that we can by an omean conceive how my Sice, of any Golour, 'Taile, or 'Sound, 'whatforer' a three home on conceivable Connection between the one and the other. Our Xivanidegt hereifore of 'Go existince reaches ittle familier than Xiperinces. Some few indeed of the primary Qualities have a necessary Department of the primary Cubic Internation on with another A Figure moetilistic. vilible Comection one with another: A Figure accellative by Impelet Exercision y receiving or communicating Monton by Impelet. Extends preceived by but Qualities co-exilient in any Subject, without this Dependence and Connection, cannot cereatiny be known to co-exil any farther, than Experience by our Series informs as. Thus the appearance of the preceived by the series informs as the property of the property o

other, we cannot certainly know, that where any four thefe are, the fifth will be there allo, how highly proba-ble foewerit may be. But the higheft Degree of Proba-bility amounts not to Certainty, without which there can be no true Knowledge: For this Co-existence can be no farther known, than it is perceived; and it cannot be perceived but either in particular Subjects, by the Observation of our Senses, or, in general, by the necessary Connection of the Ideasthemicives. As to Incompatibi Connection or the neasthermetree. As to momentum-lity or Repugnancy to Coexitience, we know that no Subject can have of each fort of primary Qualities, more than one Particular at once, as one Extention, one Figure; and so of tentible Ideas peculiar to each Senie; For whatever of cond, kind is usefure in each Senie; For whatever of each kind is prefent in any Subject, excludes all other of that fort; for inflance, one Subject cannot have two Smells, or two Colours at the fame time. As to Powers of Subflances, which makes a great part of our Enquiries about them, and is no inconfiderable Branch our Enquires about them, and is no meaniferable Braisen of our Kinewickie, as to their, reaches little farther than Experience, because they confift in a Texture and Motion of Parts, which we cannot by any means come to discover; and, I doubt, whether with those Exculties we hate, we finall over be able to carry those Faculties we have, we shall ever up and the corresponding much farther in this Part. Experience is that which in this Part we must depend on, and the control of the it were to be wished that it were more improved. We find the Advantages some Mens generous Pains have this way brought to the Stock of natural Knowledge ; and it others, especially the Philosophers by Fire, had been so others, elections the Philotophers by Fire, had been to wary in their Observations, and fineer in their Reports, as rhosewho call themselves Philotophers ought to have been, our Acquaintance with the Bodies here about us, and our Infight into their Powers and Operations, had been yet much greater. As to the third fort, the Agree-ment or Difagreement of our Ideas in any other Relation; ment or Dilagrecement of our Ideas in any other Relation, a this sitch larged Field of Knewiologs, and it is hard to determine how far it may extend: this Part depending on our Sugacity in finding intermediate Ideas, that may flew the Habitudes and Relations of Ideas, it is an hard matter to tell when we are at an end of fuch Diforeries. They, who are ignorant of Algebra, cannot imagine the Wonders of this kind that are to be done by it - and what Wonders of this kind that are to be done by it; and what farther improvements and Helps, advantageous to other Parts of Knowledge, the fagasious Mind of Man may yet find out, it is not caff to determine. This at leaft we may believe, that the Ideas of Quantity are not those alone that are capable of Demonstration and Knewledge 5 and that other, and perhaps more useful Parts of Con-templation would afford us Certainty, if Vices, Passions, and domineering Interest did not oppose or menace Endeavours of this kind. The Idea of a supreme Being, infinite in Power, Good-

nefe, and Wildom, whoft Westimsuffly we are, and on whom we depend and the lates of ordirleve, as underfunding amineal Greatwers would, if day confidency distinctions and the lates of confirmed and the lates of th

Letter de la companie del la companie de la compani

rent Ferlon. Semély, Moral Idea are commonly mosecomplex than Ignares i wheece their two lecoversistics consisted of the complex of the consistence of the consiste

Collection.

As no the fourth fort of Knowledge, via, of the real actual Existence of Things, we have an intuitive Known-ledge of our own Existence, a demonstrative Knowledge of the Existence of God, and a femitive Knowledge of the Collection of is another Extent of it in respect of Univerfality, which will also deserve to be considered; and this in regard our Knowledge follows the Nature of our Ideas. If the Ideas, Assended, follows the Nature of our Ideas. If the Ideas, which Agenemiate or Dilagrenceme we perceive, sea as whole Agenemiate or Dilagrenceme we perceive, as the perceive of the Ideas of Ide seece is the Enlittence of Things it to be known any form Experience. As to the Keality of our Krewelge's, it is evoken; that the blind known next Tanga immediate-ly the second of the second of the second of the second control of the second of the second of the second of the Conformaty is errors our liets, and the Reality of Things, Things plannifelves 'I've owhich it is anticovered, There are too Sorte of Ideas, that we may be allered agree with Mulde can by no means make to itsife, mult be the Edica's of Things operating upon the Mind in a narrant way, and of the second of the sec n. courses, teat tumpte falcas are not Telifons of our Fac-cies, but the nutrial und regular Production of Things-Crop, but the nutrial und regular Production of Things them all the Conformity our State requires, which is no recredent Things under thind. Appearances they are fal-it is in the Mind, exactly natives that Poure which is in any Body to produce it there; a land this Conformity is faithful to the Conformity of the Conformity of the Conformity of the Conformity of the Conformity fall to the Conformity of the Conformity of the Conformity of Things at to their Originals, cannot wate any Confor-mity steediles for earl Knowledge's (b) that While is not mity accellary to real Knunkelge; for that which is not deligned to reprefent any thing but itfelf, can never be capable of a wrong Reprefentation. Here the Ideas themselves are considered as Archetypes, and Things no otherwise regarded than as conformable to them. Thus the Mathematician coofiders the Truth and Properties bethe Mathematician confiders the Trath and Froperities be-longing to a Reflanging or Circle only, as they are ledes in his own Nind, which pellidy the owner found entiting the properity of the properity of the properity of the ledge in set only creating, but real, because real Things are on further concerned, nor intended to be meant by any fich Properition, thus are Things really agree to appear to the properity of the properity of the properity as a Triongle, that its three hangles are equal to you right comes it is true all of a Triingle, wherever it exists. What is twee of their Figure, that have barely an Ideal What is twee of their Figure, that have barely and Ideal three comes to have a call Editions of Matter, Marcail et al. they come to have a real Existence in Matter. follows, that moral Knowledge is as capable of real Cer-tainty as Mathematicks: For Certainty being nothing but the Perception of fuch Agreement, by the Intervention of other Ideas, our moral Ideas, as well as mathe-matical, being Archetypes themselves, and so adequate

while the discontinuous and there as not take to while the control of the common Using of the Commy they are said in the common Using of the Commy they are said in the common Using of the Commy they are said in the common Using of the Commy they are said in the common Using of the Commy they are said to the common Using of t Things. Where-ever therefore we perceive the Agree-ment or Differement of our Ideas, there is certain Knewledge; and where-ever we are fure those Ideas a-gree with the Reality of Things, there is certain real Knewledge.

Aste the Improvement of our Knowledge, it being the received Opinion amongst Men of Letters, that Maxims are the Foundation of all Knowledge, and that Sciences are each of them built upon certain Pr reaguita, from whence can or use built open certain Prosputs, from whence the Underflanding was to take its Rife, and by which it was to conduct itself in its Inquiries in the Matters belonging to that Science; the beaten Road of the Schools has been to lay down, in the beginning, one or more general Propolitions, called Principles, as Foundations whereon to build the Answinder that was to be had of Section to Raild the Areaching that was to be had of that Shipled. That which gave occasion to this way of Proceeding, was the good Success it Germed to have in Proceeding, was the good Success it Germed to have in Section of the Shipled know, that his whole zeedy is bigger than his little zinger, but by virtue of this Assion, The whole is bigger than a Part 3 nor be affired of it, till he has learned that Maxim? Let any one confider from what has been fitle, which is known first and cleared by most People, the particular Instance, or the general Rule, and which it is that gives Life and Birth to the other. These general Rules are but the comparing our more general and ab-firact Ideas, which Ideas are made by the Mind, and

have Names given them, fire the eafer Diffpatch in its foundation of the Namedge began is the Madi, and was founded by the Namedge began in the Madi, and was founded or part Australes began in the Madi, and was founded by the Namedge of the Namedge, is not to fwallow Frinciples with an implicit Fath, and without Examination, which would be a par on the Namedge, is not to fwallow Frinciples with an implicit Fath, and without Examination, which would be a par as the namedge of the Na militate thee, mitead or position them is no Turbit's Dut to start the property of the property of the property of the start by two to be them and and completed it does, as it as as they turn to be them and the property of the confinent Names: and thus barely by confidering due it does not be the property of the property of the property of the items, and comparing them spectra, to desire the property of the ison, we finall get more true and clear Kownielde by the Conduct of the sore Rule, than by pring up Frinciptes, there, we must therefore, if we won the Differed of the starting of the property of the Names of the theory of the property of the Names of the desired, said per on Michael of Inquiry to the Names of the letter we examine, and the Truth we learth after, brinders and Relations of abstral them; as therefore a fe-gacious rectueded Application of our Thoughts for the against the property of the property of the property and propositions. By what Steps we are to proceed in theft, it roble traced in the School of the Mathematical theory, and a continued Claim of Residentity, pro-ceed to the Differency and Demonstration of Truth, that tie Degrees, and a continued Chain of Residuals, pro-ceed to the Differency and Demonstration of Truths, that at first fight appear beyond human Capacity. This may set first fight appear beyond human Capacity. This may well as normal different other least, that are read as to the way familiar to Mathematicins, they would carry our Thoughts farther, and with greater Evidence and for Thoughts farther, and with greater Evidence and Residon finite pathiety, we are up to imagine. This is Residon finite pathiety, we are up to imagine. This is Residon finitely and the state of the control of the Residon finitely and the state of Demonstration as well as Mathematich; for moral ideas being real Effective, which have a differentable Consection and A. Effective, which have a differentable Consection and A. Habitudes and Relation, for far we that can deptice Habitudes and Relation, for far we that the patient of each and price of an extra property and an extra property and the patient of a set of the control of the contro

precences one with another, 6 fire as we can find their Habitudes and Existence, for law elitation, 6 for law fall be positived to Habitudes and Existence, for law elitation, 6 for law elitation, 6 for law elitation, 6 fire with the first law elitation and for law elitation. In contrast, 1 for law elitation, 1 for law elit rhofe Ideas will carry us but a little way in the certain Difcovery of the other Properties in those Masses of Matmilitary of the other broad militar says in the certain rest wherein all hole are lost found, after some Ex-perious reaches we may have certain Kowaldey, and present the control of the formation of the control of the Certainty. This would make it fuglicled, that Namal Certainty. This would make it fuglicled, that Namal Experiments and Hallord Cofferenties we may draw Advantage of Ede and Heelsh, and thereby formed that it is the formation of the control of the part of the control of the control of the control of the grade of the control of the control of the control of the part of the control of the control of the control of the part of the control of the control of the control of the part of the control of the cont Kowniederof ourfelree, mongh to gire us a clear Difference very of our Day and great concentment, it will become us, as rational Greatures, to employ our Faculties about what they are multi-depted to, and follow the Direction what they are multi-depted to, and follow the Direction is is rational to conclude, that our proper Employment is in stational to conclude, that our proper Employment is into the fundamental Capacities, and carriers in it must fluid the conclude of the

(424) KYP KNO

the proper Science and Bufiness of Mankind in general une proper scence and Bulinels or Manakind in general (who are both concerned and fixed to fearch out their Sammun Bunnel) as feveral Arts, converfam about the feveral Parts of Nature, are the Lot and private Talent or particular Men, for the common Ufe of human Life, and their own particular Subfiftence in this World.

The Ways to enlarge our Knowledge, as far as we are capable, feem to be these two: The first is, to get and supable, feem to be thele two: I he first is, to get and fettle in our Minds, as far as we can, clear, distinct, and conflant Ideas of these Things we would confider and know; for it being evident that our knowledge cannot exceed our Ideas, where they are either imperted, concept our Ideas, where they are either imperted, con-

cored our ideas, where they use either imperied, con-incide, or oblicary, we come raped to have certain, peried; or other formulation, which may be a period, peried; or other formulation, which may these use the A-greement or Repulsation, which may these use the A-greement or Repulsation. The chief-term form period to the contract of the chief-term form operate proportion) are the right Method of imper-ing our Namiodes in the bleast of entire the con-traction of the chief-term formulation of the chief-th state of the chief-term formulation of the Namiodes with chief-term formulation of the chief-th state is the chief-term formulation of the chief-th state is the chief-term formulation of the chief-th state is the chief-term formulation of the chief-term of the Namiodes with chief-term formulation of the chief-term of the chief-th state of the chief-term formulation of the chief-term of the my thing, is urterly thereby incapable of any Knowledge about them. Suppole a Man not to have an exact Idea of a right Angle, Scalenum, or Trapezium, and it is about them. Suppose a man not to have an exact idea of a right Angle, Scalenum, or Trapezium, and it is clear that he will in vain feek any Demonstration about them. And further it is evident, that it was not the Influence of Maxims, or Principles, that had led the Matters of this Science into those wenderful Diffeoveries they have made. Let a Man of good Parts knowall the Max-ims of Mathematicks never fo well, and contemplate their Extent and Confequences as much as he pleafeth, he will, by their Affiffance, fearce ever come to know

he will, by their Affilianes, ferree ever come to hance, that the Square of the Hypothenule, in a spike-apple. Trinsigle, a coal to the Square of the Hypothenule, in a spike-apple. This, by the Thoughts observed spiked. The Mind Land obset Object, where Views before it, far different from thole Maximu, which Men, well enough acquainted with these received already and the spike of the Hypothenule of the Hypoth fulficiently actimite.

Our Konsleder, as in other Things, fo in this, has fo greata Gonfermity with our Sight, that it is neither wholy necessary, nor whelly voluntary. Men, who have Senfes, cannot chufe but receive fome Ideas by them; and if they have Memory, they cannot but testin fome of them; and if they have any difficulting Faculty, fufficiently admire

of them; and it they have any distinguishing Faculty, cannot but perceive the Agreement or Difagreement of frome of them one with another. As he that has Eyes, if he will open them by Day, cannot but fee form Obiects, and perceive a Difference in them; yet he may chuse whether he will rare his Eyes towards an Object, coule whether ne will rurn his Eyes towards an Object, curioully furvey it, and obferve accurately all that is wiftle init. But what he doth fee, he cannot fee otherwise than he doth; it depends ner on his Will to fee than Hisck which appears fellow. Juff thus it is with our Understanding: All that is voluntary in our Knewledge, it he completions or withholding and one New Lord. our Understanding: All that is voluntary in our ensembles, is the employing or with-bolding any of our Faculties from this or that fort of Objects, and a more or lefs accurate Survey of them 3 but they being employed, our Will hath no power to determine the Knowledge of the Mind one way or other; that is done only by the Objects that is done only by the Objects and only the Objects and the output of the original of the original of the original original or the original original original original original or the original rund one way or other; and is unit only dy the objects themfelves, as far as they are clearly difcovered. Thus he that has get the Ideas of Numbers, and has taken the pains to compare one, two, and three, to fix, cannot

chaffe but know they are equal. He allo that hash the lete of m intelligene, but week and frial Being, made by, and depending on another, who is External, Ornal by, and expending on another, who is External, Ornal being the second of the se

kinnfelf about them. SetUL, or XOUL, a zu-kip Term, properly fenificing KUL, or XOUL, a zu-kip Ar Term, properly fenificing KUL, or XOUL, a zu-kip Ar Term, them the Namer private at all the Solulers in the Crimense Empire, particularly to their of the Crimense Empire, particularly to their of the Crimen Signior's Guard, and the Infairry. The Captains of the Infairry, and thole who command the Camera, are called Zin Zabelev, and the Command the Camera, are called Zin Zabelev, and the Camera Chem, and the Captal Capt take the Title of KM, as more creditable than that of subject 3 even the Grand Vifer and the Bafhawa value themselves upon it. A KM, or Slave, of the Grand Signer has Authority to abuse any who are only his Servanns; but a Subject that should affront a KM, or Slave, vants; but a subject that should attront a Kal, or Slave, would be severely spuisshed. The Kal ate entirely de-voted to the Will of the Grand Signior, and look on it as a kind of Marryrdom that merits Heaven, when they die either by his Order, or in the Execution of his Com-

mands. The word, in its Original, figurities Army, and is applied to a Body of Cavalry, confilling of the Nobility of the Kingdom of Perfor, and the Potterry of the conquering Turk, who placed figured Sph on the Three. They are in Number about 18000 Men. Their Commander is called Xurabi Bujdes, which was formerly the

marder is called Karaki Kidsi, which was formerly the first flori in the Kingdom.

KYPHONISM, as a suiter Parishment, frequently undergone by the Marrysin in the Primitive Times. The Body of the Perfon who was to fuffer was anotherd with Honey, and for expected to the Sun, that the Piles and Wafer might be temped to terment him. This was the Piles of the Piles of the Piles of the Piles and Wafer with the Piles of the Piles of the Piles of the Piles into the Aris, and Infraeded him in a Basker; and fonce-times they derived him on at on the Ground, with his into the Air, and fufpended him in a Baiketz, and forni-tizes they fretched him out on the Ground, with his interest they fretched him out on the Ground, with his an old Law, which pusified thofe, who treated the Law with Contempt, with Xyphomile for the face of twenty Days, after which they were to be precipitated to grant the contempt of the contempt of the con-originally Green, and comes from where, which figuifies the Stake to which the Patient was tied, the Collas field of the Collas field of the Collas field to the Neck, on an Inflatment wherewish they ser-ted to his Neck, on an Inflatment wherewish they sercol to hat Necl., or an Inflaments wherewith they per-mented him. The Schelinft, on Ariphysme, fryst, rises as wooden Lock, or Cage, and that it was called nives from the Verb newlin, newls, a feed, hecasile it kept. I log of Wood were laid over their Heads, to prevent their standing urpith. Highests action under figured as Fisce of Wood, whereou Craminals were firestled and their feed with the properties of the standing urpits. Highests and might fightful their feed with the standing the standing of the standing their feed with Medicine, in the Nume of a Bag, or Membrane, in form of a Bholder, fall of unmanuf Ha-manus. The word counterful the Greek days, Indian-ments. The word counterful the Greek days, Indian-



If is the Name of the Eleventh Letter of the Alphabet is has a footen Sound, and is promarked by the property of the Compact to the That and the Compact to the That of the Compact to the That of the Compact to the That of the Compact to the Com

The Figure of our L we borrow'd from the Lasins, they from the Greeks, and they again from the Hebrews, whose Lawes is perfectly like ours, excepting that the Angle is

ore acute. L was also a numeral Letter among the Antients, and is fill so in the Roman Cyphering, fignifying fifty; accorng to the Verfe.

Quinquies L denos numero designat babendos.

When a Dash was added at top I, it shoot of shiry thou-land. L was used for fifty as being half a C, which fig-nified a hundred, and was formerly written thus L, which according to Palymier makes two L I, the one upright, the other inverted.

The french Could 'O'n have a Crist on 'en, confliction of a Crist. The french Could 'O'n have a Crist on 'en, confliction of eight L's interverven and diffeoded in form of a Creft. The Expectable on Creft Mehalia se unfaight written with a confliction of the Anaiquaries, finals for Ausign/in, a Pecicial Word, authorson in common Sepech, figurifyed, down, and which of the Anaiquaries, franks for Ausign/in, a Pecicial Word, authorson in common Sepech, figurifyed, down, and which of the Anaiquaries, down, and which of the Anaiquaries, down, and which a LaBa RAUM, as Endign or Standard born before the Rosses Empreson in the Wars 1: I conflict of a long Lance, with a Staff at top, crosling it as right Angles; a short of the Anail and the Confliction of the Anail and the Confliction of the Anail and the Anail as the Anail and the Anail pointed the Anail and the Anail pointed to the Anail Anail and the Ana Enfetius tells us, that in the Battel against Muserium, the Perfon who bore it being fatigued gave it to another, and that he had no fonore parted with it but he was kill'd; all the Strokes he receiv'd while the Labarson was in his charge, not being able to wound him. The Author adds, he had this Miracle from the Emperor's mouth. This Standard the Romans took from the Germans, Dace, Sar-

mais, Pannonians, &c. whom they had overcome.

The Name Labaram was not known before the Time of Into Name Laberns was not known behave the Time of confamine, but the Standard itfelf, in the form we have defetibed it, abstring the Symbols of Christianity, was used by all the preceding Emperors. Some derive the weed from Laber, as if this finished their Labours; forme from laber, as if this finished their Labours; forme ufed by all the perceding Empereur. Some enerte saw word from Lefts, as if this finited their Labours i from word from Lefts, as if this finited their Labours is form from isosakes, Persy 1 others from Aspalin, to take; and character from Aspacy, Spolls. The Labours has afforded ample matter for Criticifin, and has been diffeourfed of by their states, and considerable and their control of LABEL, is a long thin Beaf Roller, with a final Sight at one can also all control fined are to other commonly ufed with a Tangent Line on the Edge of a Circumferen-

ter, to take Altitudes, &c.

tet, to take allitudes, co.

Ladel in the Law is a narrow Slip of Paper or Parchment
affixed to a Deed or Writing, in order to hold the appending
Seal. Soany Paper annexed by way of Addition, or Explication, to any Will or Tedament, is called a Label or Codicil.

Ladel, in Heraldry, a kind of Addition to the Arms of
a younger Brother, to dilinguish him from the clder. In a younger Droner, to change in the control of all others, and is formed by a Filler ufually placed in the middle, and along the Chief of the Coat without touching its Extremities. Its Breadth ought to be a ninth part of the Chief. It is adorn'd with Pendants fornewhar like the Drops under the Triglyps in the Dovie Freeze. When there are above three Pendants, the Number mult be free-field in Blasoning: There are fornerimes fix in the Coats of transpare Resident. younger Brothers. LABIAL, a Term in Law afed in the fame fenfe with

On the Control of the Control of the Control of Control

tal is the risce where the remedies are made up.

LABYRIN'TH, among the Antiens was a large intricate Edifice cut out into various files and Meanders running into each other, fo as to render it difficult to get
of it. There is mention made of four celebrated Labyinto the Antientin That of Ours in the world find alof it. There is menton made of tour cetebrate Lang-rush of Antiquiy. That of Cree is the most famed yit was built by Dodalas, and it was hence that Thefan made he Ekcape by means of Ariander's Case. That of Egypt, the Company of the fitting of the Company of t fair makes it the Work of leveral Kings; it stood on the Banks of the Lake Myrit, and conflicted of 1: Palaces and 1500 Apartments: Mels fays, so mile doubte. That of Lemnon was supported by Columns of wonderful Beauty, there were form Remains of it at the Time when Plany wrote. That of Italy was built by Porfenns King of Hemistoff the Temph. traria, for his Tomb.

stroin, for his Tomb.

Labyrunh, in Anasomy, is the Name of the fecond Cavity of the Internal East, which is hollowed out of the

Or Persjow, and is fo call? as having feveral Windings

in it. This Cavity is divided into three Parts; the first

is that call? the "fightlasse of the Ladyrunh, because it is

tend in to the other two. The fectord comprehend

there can be considered (ministrally) and there call? and

to consider the call of the call of the call of the call

towards the back of the III. See Far. The III the

conductor was the call of the call of the call of the call of the call

covering the back of the III. See Far. The III the

covering the call of the ca

Semicrolas Canala, placed co noe fide of the Felikadam, convoint the back of the Head as and the other call'd the convoint the back of the Head as and the other call'd the convoint the back of the Head as all the other call, and the convoint the back of the seminary of aufe of the Rains.

because of the Raim.

To prepare the Lawas, they first separate it from the Branchet to which it adheres, pound it in a Marrar, and throw it into boiling Water; and when the Water is well dyed, they pour on firsth, still such time as it will tinge no more. Ther of the Water than still cole in the Sun; after which, the thickerd I'llustare is trianid in the Sun; after which, the thickerd I'llustare is trianid in the Sun; after which, the thickerd I'llustare is trianid in the Sun; after which, the thickerd I'llustare is trianid in the Sun; after which is the Sun; and it to be a hind of Comb, then as the Bees and some other Institute.

are accustomed to make. Upon breaking it into pieces, it appears divided into a great number of Aveeli or little Cells of an uniform figure, and which plainly flow that it never ouz'd from Trees. These Cells are not mere is never ouz'd from Trees. Thefe Cells are not mere Excrements, as fome imagine, but are intended for forma-thing to be deposited in 'cm. And accordingly are found to contain little Bodies, which the first Observers took for

for the Wings or other Parts of the Infects that produced the Lasea. Thefe little Bodies are of a beautiful Red ; the Lass. Thefe little Houses are of a beautiful steet; and when broke, make a Powder as fine as Cochineal.
"Tis most probable thefe Cells are deflined to lodge the young Broed, as thefe of the Bees; and that thefe little Carcaffes are the Embryo's of Infects, or perhaps their

There are feveral forts of Lacca: that mention'd in the last Article is the natural; when it is prepared, as in the former, those kinds of dry Cells are not feen. M. Geoffrey toriner, thole kinds of dry Cells are not feen. M. Googley reckons fix of feen different Kinds; befidles which, there are feveral Pasts used by the Painters, that go by this name, or that of Lapne. This Gum boil'd in Water with Acids, makes a beautiful Red Dye. The English and Dutes use it in Scatler.

Lemery having examined the Gum Laces chymically, judges it to be a mean Mixture between a Gum and a Refin, more abundant in Salt than Oil.

Refer, more abundant in Stil than Oli.

"onlipsed Lance, et Apare, is a colored Subblance, drawn
from loveral Flowers; as the Yellow from the Honer of
the Lance of the Lance of the Lance of the
Lance of the Lance of the Lance of the
Lance of the Lance of the Lance of the
Lance of the Lance of the
Lance of the Lance of the
After and Alumn. Artificial Lares is also made of Braadding a little Cochineal, Terramenta, Jhama, calient,
and Affein incorporated with the Bonco of the Cartie offi
pulpetricit, annothe up into first Cales and dry's. If first
is brown, they add Oil of Tarrat. Damon is in o made
is brown, they add Oil of Tarrat. is brown, they add Oil of Tarrar. Dove-colour's or Co.
Iombire Leaves is made with Braille of Fremmedose fleep'd
in disfill'd Vinegar for the space of a month, mix'd with
Alumn incorporated in the Bonco of the Cuttle-fifth.
LACKENA, the Name of a Garment worm by the
Antients. It was a kind of Cloke made of Wool, only
used by the Men; they wore it over the Tgg3, and when
that was not on, over the Town. It was at first very

fhort, but growing popular in the Roman Army, was foon lengthen'd. The Lacerna was feared known in Rome till the Time of the Civil Wars and the Triumvirute. Then indeed it came into fashion, for the Soldiers being then requently in the City, or at the City-Gates, the Sight Use of it; infomuch that it became the common Drefs Ufe of it; informuch that it became the common Drefa of the English and Stratest, till the Time of Falentinian and Tieselfish, when the Stratest were prohibited the with the Calentinian and Tieselfish, when the Stratest were the farmer with the Calenty and Borris. Mendal means was the farmer with the Calenty and Borris. Mendal means the farmer ten thouland Settleress price. The word comes from the Calenty and Borris. Mendal mental to the ten thouland Settleress price. The word comes from the Calenty and Settleress price and the ten than the Calenty and Borris. Mendal the Calenty and the Calenty and

Name of a finall bolong Gland fautre above the Eggi, near the little Carthay-whene proceed woo erther finall Disk, which opening on the inner Surface of the Rys-lid, fil, which opening on the inner Surface of the Rys-lid, gil, and the surface of the Rys-lid, gil, and the surface of the Rys-lid, gil, and the facilitate in Morion. Near the larger daugle is also a little Emissece, in form of a Carande, which force have taken the modern Cardwidz Lorghandi, but by mid-key larger and the surface of the Eye-Lids. On the fame 6de, near the faller Angle, are we ultra Performance, call? Famile Larger Rys-lid Pamile Rys-lid Pamile Rys-lid Pamile Rys-lid Pamile Rys-lid Pamile Rys-lid Rys-lid Pamile Rys-lid those of the upper Jaw, fometimes call'd Os Lachrymale, but more usually Os Ungair.

but more usually of Union.

Fiftula Lockywalli is a Fiftula in the larger Angle of
the Eye. It usually happens after an Abfects formed in
the Bag above mention'd, by means of the Scrofity lodg'd
there; which being retain'd too long, becomes actimonious, and occasions an Ulcer which frequently degene-

some, and ceditions an Uter which frequently degene-LACHER/MALIA PUNCTA, in Anatomy, we little Aperture in the extreme Angles of each Lyschid, sinc Bood by the Gandal Lackymark, is coveryd, and these carried of thy the Lackymark coveryd, and these is carried and the Cavity of the Noise Hearth and the Cavity of the Noise Immediately was det the lower Or Jamaiyies. Hence appears the Reafon passed by the Gallands Lackymark, force to monition and labricate the Ball of the Eve, and prevent any heartful to cover the Cavity of the Noise Cavity of the Lackymark covers of the Cavity of the Noise Lackymark covers of the Cavity of the Noise labricate the Ball of the Eve, and prevent any heartful to working the Evel, list, it is call? Texas, nature, to as LACHER MATORIES were solitority family Eartfura for the Dead. Some of their see failt from in the Colbertur of the Cartous. rates into a Fiftula

LAC LUNE, Milk of the Moon. See Milk. LACONISM, a fitors, brisk, fententious Speech, the manner of the Lacedownians, who were remarka who were remarkabl for the Closeness and Conciseness of their way of deli-

vering themselves.

LACTATION, the giving of Suck, and the Time the
LACTATION, the giving of Suck, and the Time the
LACTATION of the Company of the Lactange of the
Lactange of the Company of the Intelligent to the
Lactange of the Chips from the Intelligent to the
common Keferstory: They were first different by Afew on Intelligention in city, and cell A states, from
the Company of the Company of the Company of the
Lactange of this, as to be invisible, except when
diffended with Calpive of Lympha. They arise from all
the Patrix of the final Coats, and as they run from the
the Company of the Coats of the Coats of the Coats of the
Lactange of the Coats of the Coats of the Coats of the
Lactange of the Coats of the Coats of the
Lactange of the Coats of the Coats of the
Lactange of the
La sides of the Court on the Clinadi in the Medicinery, when and form large Henche, called Face Medicinery and the man learn large Henche, called Face Section of the Activation of the Latter, which are open into the sar for intal as not to be feen by the best Menchegor, It was necessary they should be faulter than the finest from the Court of the the Court of the charges the Chyle into the vedesler Cells of the Clinadi office of the Activation of the Court of Chyle immediately into the Receptualism Cells is their are called Latter from a great. The Latter of Vanhares of the Court of the returning back into the Intelligence of the Latter from the Court of the Cour

returning back into the Intelline.

It is fill deadward whether or no the Intelline Coff, fill at Intill deadward whether or no the Intelline Coff, fill and Diffelline proper for fach an Enquiry, give no nome citize to offenn or dear. But the Comens of the Law Coff, and therefore from the Coff, and therefore from the Coff, and the Coff, Contents, the Chyle's but how their Drea are difficied to receive it, has not yet been difforced. Not is there only created in the content of the content of the content of the of the Gura sine Death. This probable then, their Ele-rance into the Gura is oblique, fine oneither Wind not Luquers can pair from thene. At 'this found their Dreas can only receive any thing in the limit State, we may be comply the content of the content of the content of the Gus which diffords them in that State to receive the Chyle. And this may be done by means of the Greate and Longiuvdinal Tibless of the Intellines fill applying and Longiuvdinal Tibless of the Intellines fill applying the content of the Child Child of the Child of the Child and Longiuvdinal Tibless of the Intellines fill applying the Internal Coats of the Guts to their Contents, by which means its Porce absorb the Chyle from the Excremen-

tition Par.

LACUEA, VIA, the Melly Wip, Sec Galaxy,
LACUEA, Seared, Anatomits the Name Gerstin
Corcuror Consil. Between the fifthy filter of the Ure.

Lacue Between the fifthy filter of the Ure.

a whirth glandless Bedy shour a finger thick, running
road the Need for the Hidder, briding a great number
of exercity Delta, which Grong calls Leanner, and which
conveying thicker a flingy Mutrat, that sulces with the
Seed of the Male. See Generation.

LACUENAR, in Architecture, an arched Roof or
Cleling, more effectivily the diabeling or flooring above

LADANDA, C. Laldannen, in Hammary, the Name

the Portion's and Plazara's.

LADANUM, or Laddstown, in Pharmacy, the Name
of a Gammous or Refinous Matter outing out of the
Leaves of a Shrub call'd Cyfle Ladsoffers, which is very
common in the bot Countries, and whereof there are us,
rious kinds. They gather the Ladsoffers by means of
Goats, which brouging on the Leaves of this Shrub, re-Goats, which browsing on the Lexves of this Shrab, pe-tura to the Stable with their Bettals loaden with a fix Subflunce, which the Perfaits rake off, with a kind of Combus stade for that partyoft. This Matter they this colled into Lumps, and, at '16 mixed with the Goan Hair and other Imparies, call it Leadenson in the Bettal Hair and other Imparies, call it Leadenson in the Bettal or natural Leadenson. Others draw Cords over the Leaves and other the Cords, much tunn, and ferrings off what that out on the Cords, much tunn, and ferrings off what that Leadenson is uffed in Phylick to Selene, diged, account

and refolve. That which is brittle, of an afh-colour, fweet-focuted, &c. is the best. Pietro della Valle tells us he was informed by the Indiana, that Ladanow is formed like Dew, and falls from Heaven like Manus, that it is gather'd on the Leaves of a Plant, a Palm and an half high; that after gathering they boil it, by which means it becomes fuft like Wax.

becomes fels like Week.

Lynd Ledsows, is a Preparation of the natural Ledsows, by making and pairlying, it from the Hairt, Ge.

Like Man, as first was the Signation of the Hairt, Ge.

Like Man, as first was the Signat whosh credited Ledsows, by making and pairlying it from the Hairt, Ge.

Like Man, as first was the Signat whosh credited Ledsows the Control of the

LAGOPHTHALMIA, a Difease of the Eye-Lids, when the upper Lid is to contracted that the Eye can't be quite that, but remains open even in the time of Sleep. The word comes from the Greek keys; Hare, and opensules, Eye: this being the Property of the Eyes of Hares.

LAIR is a Term in Hunting, for the Place where Deer harboar by day; also a Place where Cattel usually rest under some Shelter, the Ground being enrished by their

Dung.

LAKE, a large Quantity of Water included in the Ca-vity of firms foliast Piece, of a considerable Extent and the Carlot of the Carlot Issues they make artificial Lukes, which they wall about, to each the Kaio in wet Seafons, and preferve if for their Use in the dry eness. There are feveral of this kind of Lukes, formed by the Issuedations of the Sea and Rivers, particularly the Nile and Niger; which, when they retire within their Banks, leave Floods of Water, which the Islandingsts take care to include, to ferroes an Magazine for Inhabitans take case to inclofe, to ferre as Magazine for the enfanis Monthes. The Generation of perennial Lakes the enfanis Monthes. The Generation of perennial Lakes as to receive a Quantity is Winter more than the Heat of the Som will exclude in Summer; the 'disprobable many of the Lakes have their Springs as bottom, by be be offered the 'I'm Winter Monthes and the Charles have their Springs as bottom, by be be referred the 'I'm University's i.e. I revoke Lawes, or I and Lakes in belowing which are Lakes one past of the Year, and the refit very fromost Fieldes I at the bottom of their

and the reit very intooth fields: At the bottom of thefe Turloughs are found Holes, through which the Water runs in Winter, and finks towards Summer. The fecond Species of Laker, which emit without re-ceiving Rivers, is very aumerous; they owe their Origin to Springs, the Cavities where the Spring is found not be-ing hites or cours full the Water is risid.

ing able to contain all the Waters it yields.

The third kind, we those which receive Rivers without emitting any, apparently owe their Origin to those Rivers, which, in their Progress from their Source, fall-ing into fome ample Cavity, are collected together, and form a Lake of fuch Dimensions as may lofe as much by Exhalation as it continually receives from its Spring; or fometimes happening on a foft fpongy Soil, that in-bibes the Water, and transmits it to the neighbouring Grounds. The Number of these is small.

Grounds. The Number of these is small, emin Rivers. This fourth Species both receives and a tibe Quantyof Water they emit is greater, equal, or lefs than that they creeive. If the Quantity they emit be greater, 'is plain they mad have a Spring at the bortom if lefs, the theorem of the company of the contract of the contract of the the Earth must be species of the contract of the species of the contract of the contract of the species of the contract of the contract of the species of the contract of the contract of the species of species specie

confiderable ones.

bound, ferve for very good Purpoles, inafmuch as the warm Vapours arising from them ferve for a Defendative against the pinching Cold of those Climates. To this is owing, that Ireland, Needland, Sc. are lefs affected with Frofts than much warmer Con

LAMA, the Title of an Order of Priefts among the Western Tartars, on the Frontiers of Chrus; these Lama's are held in great Veneration. They have a Grand Lama, who is their High-Prieft, and who is the fecond Perfon who is their High-Prieft, and who is the fecond Perfor in the Kingdom, being the next in Amburity to the King-He receives Homage and Adoration not only from the People, but from the neighbouring Kings; nance of sphon are erre inthroacd, without fending Ambuffidors to him to obtain his Benedition. The Leavi's are extramyly and perfittions, and are remarkably given to Highelt, perfittions, and are remarkably given to Highelt. The Bod of 1,15% a Form of Medicines to be liked off the Bod of 1,15% and Euleyana, which for Labitati, and Euleyana, which has the performance of the AMBUFILISS. In Austream. ag Euleys and Labitation of the State of the Manual Performance of the Manual Performance

Labstoff, and Laterman, which loc.

LAMBOIDIES, in Ansarony, an Epithet applied to
the third proper Suture of the Cranism, in regard it
refembles the Form of a Greek A. Lambdo 5 for the fame
reason it is fornetimes called Trifliate, as bearing some
Resemblance or orce? Trifliate, as bearing some
LAMBILLE, a Diminative of Lamin, little this Plates,
LAMBILLE, a Similative of Filics, &c. are com-

pofed.

LAMILE, among the Autients, were effectived a kind
LAMILE, among the Autients, were effectived as the
LAMILE, among the control control to the
tital Women, deverated Colleton. Javes with the
lamil Javil, and the eff persy, some Authors and
them Javil, a Javilson, Philippinon Ray, they are also
them Javilson, and the property of the
tom crys, is drawn, alledging the Pable of the Lamil
LAMINES, they Places or Tables, whereof asy thing
confide, particularly the basens Skull, which are two,
ALMINES, they apple Lamines, it is the first of August
LAMINES, they apple Lamines, it is the first of August
LAMINES, they apple Lamines, it is the first of August
LAMINES DAY, apple Lamines, it is the first of August

confile, particularly the means Skull, which are we'n, the total half error he collection with the confidence of the collection of the collection of the collection of the collection of the first of early for called, as forme will have it, because Lambs were one than fit we cat, a sheigh grows too light, of the collection of the collec shey had the Secret of making Lampa that were nextinguished, adlenging feveral thru he been found huming capitables, allenging feveral thru he been found huming parallel and the state of the state of

have been found in the Sepulchers of the Anteners. Cardan's Lampe, is a Contrivance of that Author which furnishes it felf with its own Oil. It confishs of a little Column of Brais, Tin, or the like, well cloted every where, excepting a finall Aperture at Bottom, which opens into the Middle of a little Neck where the Wick is placed. Here the Oil cannot get out, but in proportion as

it fpends, and fo clears the Passage of that little Apertur This Kind of Lamp has become much in Use withi Thus Kind of Lemp has become much in Use within their tenenty or thirty Years; but it has feveral Inconveniences, as that the Air gets into it by Starra and Gluts; and that when the Air in the Cavity comes to be much rarefied by Hear, it drives out too much Oil, fo as former times to eximpoint the Lamp. Dr. Hoek and Mr. Bryte have invented other Lamps that have all the Conveniences of Cirallys, wighout the Lamps.

have increased other Lamps, that save all the Conveni-caces of Cardin's, without the Isocorrelector. See Gene Lambada and the Cardin's control of the Cardin's Lambada and the See Tayle before the Cardin's Conjunatopie. His Buffarin's us to fee the Chards will lighted, and he base Tayle before the Cardin's con-trol of the Cardin's control of the Cardin's con-trol of the Cardin's control of Cold in manner has been considered to the Cardin's control of Cold in manner has been control of the Cardin's control of Cold in manner has been control of the Cardin's control of Cold in manner has been control of the Cardin's control of Cold in manner has been control of the Cardin's control of Cold in manner has been control of the Cardin's control of Cold in manner has been control of the Cardin's control of Cold in the fact that the Cardin's two till manner has conference than con-trol of the Cardin's control of the Cardin's control of the fact that the Cardin's two till manner has conference than con-trol of the Cardin's control of the Cardin's control of the Cardin's con-trol of the Cardin's control of the Cardin's control of the Cardin's con-trol of the Cardin's control of the Cardin's control of the Cardin's con-trol of the Cardin's control of the Cardin's control of the Cardin's con-trol of the Cardin's control of the Cardin's control of the Cardin's con-trol of the Cardin's control of the Cardin's control of the Cardin's con-trol of the Cardin's control of the Cardin's control of the Cardin's control of the Cardin's con-trol of the Cardin's control of the Cardin's control of the Cardin's con-trol of the Cardin's control of the Cardin's control of the Cardin's control of the Cardin's con-trol of the Cardin's control of t See the Greek Euchology, Baljamon, &c.

There were also Lampadones in the Emperor's Palaces; at first the Privilege was only granted to the Great Officers of the Crown, and the Chief Magistrates, but afterwards the Emperor allowed it to other inferior Officers, as Quethe Emperor anower it toother interior Officers, as Que-ffors, Treatmers, &c. Togother with the Taper, they bore before the Magilitates the Emperor's Image, &c. On which account, 'tis probable, they were first permitted to have a Lampadary. 'The word is formed from the Latin, Lampara Lump

Later, Lamber I Lamp.

LAMPADIAS a is hind of bearded Connet, refembling a barring Lamp, the' of feveral Shapes; for fonctiones in Flame of Blaze man spring puwed like a later of the state of the stat

LAMPETIANS, a Soct of antient Hereticks who fell in with fome of the Opinions of the Arians. der Lampeiins is faid to have been one of the Chiefs of the Mirconnes. They condemn'd all Kind of Vows, parti-cularly that of Obedience, as inconfiftent with the Liberty of the Sons of God

tributes the Invention of Lances to the Lithium. Farry and Aula Gellins fly, the Word Lance is Sponish, whence other conclude the Use of this Weapon was borrow'd by the People of Italy from the Spanniards. Disdorat Sicular derives it from the Ganalib, and Figlia from the Grick Airye is Peceson from the Celtic, and Borell from the Hebrew.

LANCETI, a Name given by the antient Laws of England to a kind of Vaffals who were obliged to work for their Lord one Day in a Week from Michaelmas to Automn, either with Fork, Spade, or Flail, at the Option of the

LANCETTE, is Chirurgeo'h little Rufie, fireightpointed, two edged, utd in opening Vinn, Efe.
LANDEAU, Tere in the Moham, whereof the NoLANDEAU, Tere in the Moham, whereof the NoLANDEAU, Tere in the Moham, whereof the NoLandeau, Tere in the Moham, whereof the Notion of the Moham, and the North Moham, which is
rever exactable when it comes refin one of the Tree. They
chop it very family till fa h ince as it is reduced into a
put in in a Scarce mude of the Best of the True. They
and place the Searce over a Ciliera mude of in Lewex,
pooring Water upon it, and by this mean (spraning the
pure Brar of the Poodler from the Veins of Wood whereearling and the North Moham, and the North Moham
and Moham, and the North Moham, and the North Moham
and Moham, and the North Moham
and Moham, and the North Moham
and Moham with the Pith abounds. The Flower thus filtrated, they call Stagus they make it into Passe, and bake it in carrhen Furnaces; and this they do with so much Expedition, that in three or four hours a Man makes as much Bread

as will feed an hundred Perfons a day. From the fame Tree they draw a Liquor as agreeable to drink as our wines. The Leaves, when they are young, are covered with a kind of Cotton, whereof they make their Cloth, and as they grow older they ferre them to tile their Moule. The larger Veins of their Leaves ferre can for Stakes in building; and of the fmaller they make a kind of Hemp, wherewith they make very good Ropes.

LAND CHEAP, is an antient cufformary Fine paid ei LAND-CHEAF, as a supert currounty from past ex-ther in Cattle or Money, upon the alienating or felling of Land in fome particular Manner, or within the Liberty of fome Borough; as at Midder in Effex, a Payment is till made of 15 d. in every Mark of the Furchate-Money, for certain Lands and Houfes fold in that Town.

certain Lands and request for in rat Lowa.

LAND-FALL, it as Sea-Term, fignifying to fall in with
the Land. Thus when a Ship out at Sea expects to fee
Land in a little time, and it fo happens that the doth,
they fay they have made a good Land-fall.

LAND-GABLE, an antient Term for a Tax or Rent

This country is the sea of the country in the country

iffuing out of Land istumg out of Land.

LANDLOCKED. A Ship is faid to ride Land-locked,
when the is at Auchor in fuch a Pluce where there is no
Point open to the Sea, for that the is fafe from the Violence of Winds and Titles.

lence of Winds and Tides.

LANDSKIP, or Landighope, the View or Profped of a
Country, extended as far as the Eye will carry. Landkepin in Paining, are Pieces reprefending fome Champaign
or Rural Subject, as Hills, Vales, Rivers, Country Houfes, Esc. where human Figures are only introduced.
Accidents or Grummiance. This is effected one of the

lowest Branches of Painting.

LANGREL SHOT, is a fort of Shot used at Sea; it is made of two Bars of Iron, with a Joint in the Middle, by which means it can be shortened, and so put the better

hy which means it can be floormod, and fay not be bester into the Gun a and a teach End there is in half Ballet either of Land or bron. When it is difficharged, it files out a ready of the control of t pendent of Kealon or any other Caule: Nor has Reason any thing to do in Language, unleft so fluidy or teach it, fuch as it is: Here then commences Grammar; a july Plan of which, supposes a Language already introduced by Ufe, and without pretending to after or amend a tittle, only furnishes Residestions, call'd Rales, to which the Man. ners of fpeaking ufed in that Language can be redu-ced; which Affemblage of Reflections is what we call the Grammar of that Language. This Remark may obviate an Abuse introduced among Grammarians, who are ever crying out, Use is in this Penn opposite to Grammar, or the Language here frees infelf from the Rules of Grammar,

Ge.

"To Clance then to which we owe Ufage and Ufage that makes the Rules and Meedures of A Lanyange. Ufeindect is forewhat adobon, and may be divided for ago and abd at! It is asked wherein the difference between thefe lies; I is in his, that the one is better disblicted or submirred than the other: A self if he saked wherein the Lanyange, that which makes the pool Ultim the Winley of the best hand to the control of the theory of the theory of the best and the Lanyange, that which makes the pool Ultim the Winley of the best Authors in that Lanyange; And if if he further auxiliased which were the best just been a lowed fact how encinced, which are the bell; thoic are like of fucil who were when then Same was in a like of fucil who were when then Same was in the day of the full who were the day of stagetar being the most diffinguithed by great Mine who then fundified, we call that pool Laton which is conformable to the Manners of Spraking and by Austhors who were fifty Years before, and first farter the Reign of that Emperor. As to the living Language, their good Use, or their isoled, is derived from the Expertitions used by the most remnent Person among that People's whicher as to Quality and Autonitive, or as we questioned, which are the best; those are allow'd such who prefilion wide by the most fermioner Perfox among that People's whether as to Quality and Autority, or as to Learning and the Reputation of writing well. With this Manner of Speaking used by the bell Part of the Court, conformably to the Manner of Witting among the bell Part of the Court, conformably to the Manner of Witting among the bell Part of the Court, conformably to the Manner of Witting among the bell Part of the Court, conformably to the Authors of the Time. But this conformation was to be the bell Part of the Court and of the Wittern I Sach Party doubleft thinks itself the bell. J. Saffer, therefore, very juilly, in-with homes the Wittern I Sach Party, the good temperature of the Party of the Court and of the Wittern I Sach Party, the good temperature of the Party which brings the Matter to a Certainty; the most numeLAN (429) LAN

rous Part being fumething fix'd and palpable, whereas the most found Pare may be infensible or arbitrary. See

Commun.
There is found a confluor Refermblance between the
There is found a confluor Refermblance between the
Language they frest. That the Corest, a puller but we,
language they frest. That the Corest, a puller but we,
language they fired. The Research of the Corest
poly been programmed that The Research of the Corest
and angult and their Defonders, the Indians, are fash
into Sofreet and Effernment, which is as width to in their
make the diltinguishing Consulter of the People. The
makes the diltinguishing Consulter of the People. The
that must extremely brink and lively. And the English,
who are naturally blant, thoughtful, and of few Worls,
who are naturally blant, thoughtful, and of few Worls,
who are naturally blant, thoughtful, and of few Worls,
the confliction of the Core of the Co

tion.

The Diverfity of Language is generally allowed to have took in kife from the Cardiano of Eulel, both by Teer, took in kife from the Cardiano of Eulel, both by Teer, took in kife from the Cardiano of Eulel, both by Teer, took to the Cardiano of Eulel, because the Euler of Eulel of Euler of Eul

tanks might be very well effected, without introducing a Multiplicity of Languages. See Edgra de Confisson Linguages Balydonica ad Gesef, XI.

As to the Point of Antiquity, that too has been extremely controverted. Herodone tells us, that in the Diffusion to the Experiment and Physicians about the Antiquity of their Languages. Plantages of the Confisson and Physicians about the Antiquity of their Languages. Plantages of the Confisson and Physicians about the Antiquity of their Languages. pure between the Expitions and Peoplem about the Anti-quiny of their Languages, Planematers, Rigo of Expt, no-dered two Children to be brought up, with express Probli-tion of the Children of the Children of the Children of the total children of the Children of Language figuries Breach, The Expitant between verse or Language figuries Breach, The Expitant between verse or Expects of the Honour of their Nation, politically intelligent the Children of the Chi Language of the Canaanites.

Language of the Consmires.

M. Let Use is to Opinion the Hobrew is fix indirator to the Greek, both in Copinion field, Ediginary and Perifyacity is the Greek, both in Copinion field, Ediginary and Test Friedrick 1988.

The Copinion of all Languages; it has post different World to expect a Linu, and to left than 1210 for a Swort.

The Copinion of th

so left that 12:0 for a Sweet marriabure or original Language, and he Merica and Joseph and Early, the Toronse 1999, and 12:0 feet the Early, the Toronse 1999, and 12:0 feet the Early, the Toronse 1999, and 12:0 feet to 1999, and 1999, nosse suspettum Hebraice prope Hareticam.

The living Languages are those still spoke in some Country or other, and which may be learn d by Conversation. The most popular among these are the French, Italian, Spanis, and English; which see under their respective

Spanis, and Englis's which for under their refrictive National States of the Control of the Cont Way to the English, which in thele, as well as in Gigiconcess behalf dime of them in Bronchine and Delicary.
Of all the modern Lampacy, the English is illowed to be
reconcess behalf dime of them in Bronchine and Delicary.
Of all the modern Lampacy, the English is allowed to be
referred in in Diffuse, the model admitted and free mode
in Ornaments. Of all others it is the model housel, open,
it of the Compacy of the Compacy of the Compacy of the
international control of the Compacy of the Compacy of the
international control of the Compacy of the Compacy of the
theory of the Compacy of the Compacy of the Compacy of the
theory of the Compacy of the Compacy of the
theory of the Compacy of the Compacy of the
theory of the Compacy of the Compacy of the
theory of the Compacy of the Compacy of the
theory of the Compacy of the Compacy of the
theory of the Compacy of the Compacy of the
theory of the Compacy of the Compacy of the
theory of the Compacy of the Compacy of the
theory of the Compacy of the Compacy of the
theory of the Compacy of the Compacy of the
theory of the Compacy of the
theory of the Compacy of the Compacy of the
theory of the theory of the
theory of the Compacy of the
theory o bours; but its Faculties are more extensive, its Conduct more ingenuous, and its Views more noble. See Enrigh French, &c.

French, RC.

Emniss and Cerops are celebrated for their Knowledge
of various Language. Mibridates King of Postus underthood twenty two Tongues, which was the Number of
different People over whom he commanded; and thole
Languages he knew (to well, that he was able to harangue
each of his People in their own Language. "Twan a Sayeach of his People in their own Language. Twas a Says, and Charles the Vish, that is many Language; as a Man underthind, for many throat is illum. Sailam Schmerks of the Charles of the C

made the 10tr of the Choose mixed the Challegy and Proportion of all Languages and Letters, De rature Common Longuerum, and Languages and Letters, De rature Common Longuerum, and the Languages of the Challegy of the Languages of the Challegy of the Languages of the Challegy of the Languages, and different Data Scheme of 40 different Languages, and different Data Return Letters. Letters

lecta, Specimens of each whereof be gives in the Lord's-Prayer, in 1593. De Revolte, in his Addition to the World of Dassi, has published the Paten-night in all the Lan-guages (poke among Chrittians) and M. Chamberlayne has lately proposed to do the fame in the Languages, a Speci-men of which has been already published. Aberia Genmen of which has been already published. Mistina Gen-tals wence of the Mixture of Languaget, in 1603. And Father Reinie's Diffcourfe on Etymologies, is a Work of the fame Kind. In 1613, Deer published a Threafter of the Hiftory of Languages 3 and Guichart of the Etymol-gical Harmony of Language, in 1619. Revertood has made curious Enquiries into the Difference of Languages and Religions.

Among the Multefe, the Word Language is used for Nages, three whereof are for France, viz. the Language of Provence, of Autorgne, and of France; two for Spain, those Presence, of Amergue, and of France; two for Spain, 1900s of Caffile and Arragen; the other three are the Language of Bully, England, and Germany. Each of thefe Language to Which he belongs.

LANGUED, a Term in Heraldry, applied to fuch Animals whole Tongue appears out of their Mouths, be-

ing of a Colour different from that of the Animal. LANGUOR fignifies a Faintners, which may arise from a Want or Decay of Spirits thro' Indigestion, or too much Exercise; or from an additional Weight of Fluids, from a Diminution of Secretion by the common Difchar-

Sec. LANGEROUS, any thing that bears Wool. Heroe that LANGEROUS, any thing that bear would work the bear would violence the sec. The control was the sec. LANTHORN, an Useful of ransparent Muric, fat-with the sec. LANTHORN, an Useful of ransparent Muric, fat-with the sec. LANTHORN, and Useful of ransparent Muric, fat-with the sec. LANTHORN was the sec. LANTHORN with the fat for too Discharia. Landware are made of Glids, Hom, Paper, Dackmar Landware are made of Glids, Hom, Paper, Dackmar Landware were formerly made of the Born of a quity. Landware were formerly made of the Born of a quity. Landware were formerly made of the Born of a made, Play 1611 as was very renderion. A Dark Learn was the paper of the Born of a made, Play 1611 as was very renderion. A Dark Learn was the paper of the Born of th wide Bull call'd Livas which when car into nhis fa-mons, Play tells as set very renderican. A Dark Lara-which, too, may be cloted up, when he Light is to be initiely hish, and may be perfected to the Perfect one would be the Darkey preceded one be clot. The form one is the property preceded to the Perfect of the most in the property preceded to the preceded one one; is they were covered with four Stris, one of cast, Side or Light, three whereof were black, and only the time, not if them Allamefring of Julias Frammers, Their time, not if them Allamefring of Julias Frammers, Their were principally sled in their Jamies when they were to ment lyvin the side from their Leening the Night-time many privately side of the property of the property of the ment by the property of the property of the property of the ment by the property of the property of the property of the ment by the property of the property of the property of the ment by the property of the property

march systemly off from their Esemisis in the Night-time. The World Leadin's desired from the Lealin Jeans of the Lealin Jeans of Lealin Leans of Lealin Leans of Lealin Leans of Lealin Leans and L fail de 'onl 2000 Crowns. Some of their Grandeer re-treeths, Incombat every day out of their Table, out of treeths, Incombat every day out of their Table, out of cost in Landwers. They are about of with Gilding, Sculp-ture, Pathing, Jayaming, Ge. and are to their Sine, the extraorgant's forms are from 25 to 3p Foot Diameter: fine their particles of the Company of the Company of their con-traction of their company of their contraction of the fine Machines together would make handform Headler's for that in Cabas they are able to cas, Jodge, receive Vidia, them, they froudd have Boefferies 1 to as that seaded be inconvenient, they consent thomshives with lighting up in them an infinite Number of Torches to Lamps, which as warinas Kinds of Slews to direct the Propile. Befilder their monthly combined to the Pathing in the their contraction of the Company of the Company warinas Kinds of Slews to direct the Propile. Befilder their monthly combined to the Pathing in the Wood finely gift and adomest your their they flerech a fine tunfureurs. If they war the pathing was the Pathing in the Wood finely gift and adomest your works the Pathing in and when the Turches are lighted, they appear very beau-tical and furnisms. tiful and furprising.

Lambors in Architecture, a kind of little Dome raifed over a large one, or over the Roof of a Building, to give over a large one, or over the Roof of a Building, to give Light, and to fever for a Cotton, or to finish the Build-ing. The Word is also aided for a figure Cage of Car-ried, and the Cage of Car-ried, and the Carried, and the Carried, and the saint them, as that in the Royal Exchange, London. Moje Landon, in Opticks, the Name of a Machine, which in the Dark reportions various images and Spectra which in the Dark reportions various images and Spectra that the Carried Carried Carried (Section 1).

that those who are not in the Secret, think them the

Effect of Magic. See Magic.

LANUGO fignifies a Down, or foft woolly Substance, which grows upon fome Plants, which therefore are called lanuginous Plants.

led lanugmous Plants.

LAPIDARY, an Artificer who cuts peccious Stones.

The Word is also applied to Merchants who trade in 'em, and Vertuoso's well vers' din their Nature, Kind, Us. in which Seofe, the perfect of reat Moyal is faid to be one of the greatest Lapidaries in the World.

the greatest Lapidaries in the worth.

The Art of cutting precious Stones is very antient; but like other Arts, its Original was very imperfect: The Frosch have fosceceded in it the bet; and the Lapidaries of Parit, who have been a Corporation fince the Year remor have the extension in the feet's men in Laplantees report to the control of the control of

has preferibed the Rules of it; Accedes operess Oratio varia, has preferibed the Rolesot II; Accounteporter Undoo para, velocious, pleus Spirins. Omnine Stratumerum Grazinate, sunnium Februmo panderibis eff stendam. The Lapidary Side, which was loft with the accient Monuments, has been retrieved at the Reginning of this Age, by Coost Emanuse Thefaners: It is now uted various Ways at the beginning of the Cookies of the Cookie

retrieved at the Bengiuming of time Age, e-ty-come Learnings Technique 1 in an world various Ways at the beignings of the Technique 1 in an world various Ways at the beigning of the Medical Part of the Part of

a Dryneis, and the Remainder kept in a Glais well ftopp'd from the Air: fometimes it is made of Vitriol and Tartar, calcined Sal Armoniac, and Quick-Lime boil'd in Water to a strong Lixiviam, then strain'd and evaporated till it

is dry.

LAZULI, a Mineral Stone of a blac Colour.

They and Dofwinds make it a Sand, Agricula Mineral

They and Dofwinds make it a Sand, Agricula Mineral

mere Stone, call 140 by any of Excellence Lapis, or Lapis

Lambia. When perfect, 'it ladded with little Specks or

Lambia. When perfect, 'it ladded with little Specks or

Lambia and to be good, fitned to able to refill Fire and

lame: and to be good, fitned to able to refill Fire and

is Mines of Gold, Silver, and Couper, as allo in Piks of

in Mines of Gold, Silver, and Couper, as allo in Piks of Smale, and to come out of ten with new Lattice, it is found in Mines of Golds, Silver, and Gopper, at 16 in First of Mattachin their late in the greens!) in U.S. Namentan and Mattachin their late in the greens! in U.S. Namentan in Jenney and the second of the second in the Control of Gold, which yet are friendly selected in the Wester, in finding with common Smoots; in Golden is weaker, and in Free Inverse their two Kanda Collected and Wester, in finding with common Smoots; in Golden is weaker, and in Free Inverse their two Kanda Collected and Mattachine Collected with the common Rock their common Smoots; in a finding with common Rock their common Rock and their common Rock and their common Rock their com L AR

of Pyrices. This when fufficiently charged with Spots of Green, is fold for the Armenian Stone. The Lapse is of fome Ufe in Medicine; they prepare it by calcining and washing it feveral times; which done, it makes an Ingredient in the famous Coufection of Alkermer. Sometimes, in fpight of all its Lotions, it continues to be a Purgative, by reason of the Vitriolic Matter it contains.

by reising of the Viriolic Matter it contains.

LAPIS MEDICAMENTOSUS, the medicinal Stone, a Composition of green and white Viriol, Alum, Anatron of Sandhere, Common Salt, and Salt of Tartar, medical over the Fire, and fürrd till they thicken; then mix'd with Founder of Verince, Crashi, and Americais Bole, first ring the whole till it grows hard. This is faid to fatten the Testh, petfert the Gram, heal and dry up Ulcera and Wought, and is safe in injections, and in Composition of the Composition of the

tions for fore Eyer.

LAPSE, a Slip or Omiffinn of a Patron to prefent a Clerk to a Benefice within fix Months of its being rood; in which Cafe the Benefice is faid to be in Lapfe, or lapfed.

IAQUEARIUS, the Name of a Kind of Athleta among the Antients: In one Hand he held a kind of Searce, wherewith to embaratis and intangle his Anta-gonifi, and in the other a Poniard to flab him. The ord comes from the Latin Laque

LAQUEUS in Chirurgery is a Band fo tied, that if it be attracted, or prefied with Weight, it fluts up clofe. Its Use is to extend broken or disjointed Bones, to keep them in their Places, when they are fet, and to bind the

Parts close together.

LAR-BOARD is the Left-hand Side of a Ship when

you fland with your Face to the Head.

LARCENY, in Law, is a Theft of personal Goods or Chattels in the Owner's absence. In respect of the Thing LARCENY, in Law, its Theri of prefueal. Goods or delete, it a cliebt great of final 1 great Lawreny is when the Thirgs folies, it a cliebt great of final 1 great Lawreny is when the Thirgs folies, the Versully, exceed the Value of the third that the Company of if they have not performed fomething remarkable in that Way. Slimst tells us, that in Surdmin there was a Fountain that had the Virtue of diffeovering a Perfon that had committed Lareeys. The Word comes from the French committed Largery. The Word comes it

Larons, and that from the Latin Laroscinion.
LARENTINALLA, the Name of a Steefa among the
Rassars. Some take this for a Yeefl of the Lone, but 'tis
conference of the Control of the Lone, but 'tis
conference of the must be the Name of Computate, the
saft Rould also be deveted to them under a Name.
Mansins, Golinian, Regions, and other take Laroscinials to
be the fame with Lawestriands, which fee.
LARES, sameget the Autients, were a slid of Domethic
Geni, or Divinities, worthlyd in Houles, and effected
of the Control of the Control of the Control
of the Control of the Control of the Control
of the Control of the Control of the Control
of the Control of the Control
of the Control of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Con

Geni, or Drimitic, worthryd in Houfe, and ettern'd the Gurdinas ned Pracedros of Panilles is approfed to reliade in the Chimney Comer. Flowed the limiting to profe to reliade in the Chimney Comer. Flowed the limiting to the control of the Chimney Comer. Flowed the limiting to the control of the Chimney Comer. Flowed the Chimney Comer and Chimney Chimney Comer and Chimney Comer

Lare: but there was a world of difference between the Lare of the Rossas and the Profiles of the Exprisor. Lare of the Rossas and the Profiles of the Exprisor. Construct Conference also called Comprisor. Conference Conference and Conference Conference of Conferenc Preftites from prefto,

Qued prastant ocalis omnia tata suis. Ovid. Fast.

They gave the name Urbani, i.e. Laves of Cities, to these who had Cities under their Care; and hapitile, to those who were to keep their Enemies off. There were also Lares of the Country, called Rurales, as appears by fevo-

ral Antique Inscript

The Antients differ extremely about the Origin of the Lares: Apuleius affures us they were the Politerity of the Lemanes. Nigridiat, according to Arnolius, made 'em fome-times the Guardians and Protectors of Houses, and sometimes the fame with the Careter of Samothraesa, which the Greeke call Islam Daffyles, and whereof we have made mention under the words Caretes and Daffyle. Nor was Varre more confident in his Opinion of these Gods;

fometimes making them the Manes of Heroes, and fame-times Gods of the Air. times Gods of the Air.

Tersidear tells us, the Cufform of worfhipping the Larer
arole from this, that they antiently interred their Deal in
arole from this, that they antiently interred their Deal in
to intuit the thin the Cufform of their affe, and proceeded to pay 'em divine Housers. To this it may be added,
that the Cufform being afterwords introduced of burying
in the Highway, hence they might rake occasion to regard
in the Highway, the they might rake occasion to regard
Larerin the public Sectificat, was all Eqs : In private they em as Godoof the Highways. The Victim offered wine Leare in the public Scarliner, was at Hog : In pravate they Leare in the public Scarliner, was at Hog : In pravate they of what was left as the Table. They crowed them with Flowers, particularly the Violet, Myrtis, and Rofemary. Their Symbol was a Dag, which was ulsaily repreferred in the Company of the Company of the Company of the it does to Man, in wasting his Houlet. They were also repreferred as clothed in a Dag's Skin. See Pleaser. On the Laren, fee all Granules, Lebulaners, Angujin & Godo. Natalis Comes, Lambin on Plant. Aslat. and on Hor. Cafaulon

Sueton. &cc. LARGE, a Sea-Term. See Veering. LARMIER, in Architecture, a flat fquare massive Mem-

LARMÜRR, in Architechue, aftat figures maffire Member of the Confeix, between the Cyminian and O'bals, for each of the Confeix, between the Cyminian and O'bals, for each of the State Larme in Freed Benjing a Plaze. The as it were by Texas. Larme in Freed Benjing a Plaze. The Lark William of the Confeix of towards their more fixed Ends) together with the great Efflux of Blood when the Jugulars and Carotid Arterics are allo wounded, create in most Men a Dread of the Operation, and make many believe all Wounds of the Trackes mortal. The fame Author makes no feruple howwere to fay it ought to be practifed in Quinzies, and other Dangers of Suffocation from Caufes of a like nature with 'em'; from an extraordinary Care which he himfelf had wrought in this way. The word is derived from the Greek Angolg and rigum, feo. This is the fame with Branchaston.

LARYNX, in sharoup, item 1 min to the same with trans-LARYNX, in sharoup, is the upper Part, or Head of the Tuckea, lying below the Rost of the Tomes, and before the Pharyse. It is now of the Organ of Re-dy is silmed wholly circultaginous, and it is to be con-stantly open object room for the Art to pain and regal-dly in the contract of the contract of the con-tractive of the contract of the contract of the is a little fasted behind, left if flould incommode the Cofephagus whereon it is placed. The Layrus it of dif-ference Diameters, according to the different Ages is to be accuse in their contractive of the contractive of the beauties in their contractive of the contractive of the search in their long the contractive of the con-tractive of of the con-trac

Reception of the Food, the Larynx raifes itself to com-press it, and facilitate its Descent.

preis st, and facilitate its Delcent.

There are five different kinds of Parts belonging to the Lasyns, wiz Cartilages, Mufeles, Membranes, Nerves, and Glands. Its Cartilages are the Thyroides, Criciodies, Arytemoides, Glottis, and Epiglottis, by means of which it can eafly dilate and contract, flux and concentrally. These forms have been dead of the state of the sta means or which it can eathly dilate and contract, flux and open ideld. The form the whole Body of the Laryne, and grow dry and harden, in proportion as the Perlon grows old, whence the Laryne, sometimes appears as if it were bony. The bigget of thefe is the Thyrodles or Scatifornia, this goards the Forepart, and has its Name from fome fuppoted Refemblance it hears to a Shield. from some supposed Kelembiane: it bears to a Shield. It is of a Generato-convex (square figure, the hollow part being inward, and the gibboss outward, having a little Frommuzece in the middle, called Passess Admir, and forme of the forbidden Freit had fluck in Admir Thront, and considered the Swelling. The Force of its called considered the Swelling. The Force of its called considered the Swelling. The Force of its called considered the Swelling. The Force of its considered that the Swelling of the Force of the Swelling of the Force of the Swelling of the Force of the Swelling of the Bows. The forepart of this is very narrow, coming un-der the other Carrilage, but behind it is broad, thick, and firong, being as it were the Basis of all the others. fitrong, being, as in were the Balls of all the others. The third and fourth are called algorisation of crimitle, from the Figure of an Eure, which there two together formwhat reclemble. At the juncture of their worther is a little produced of the production of their worther is a little produced by the companies of the contract of the resident called Giran, or Liengale. Thereign the Chilar he Air defencials into the Lungs, and the printous Matters ejected by coughing in Casarnha is it cour. It ferres allo for modulating the Voice, and is imituated in Flates and the Pipes of Organs. Over the Glottis lite a fifth Car-tillage active the Englowers, which is every thin and fold, religious and the couples of the couples of the couples of the large active the Englowers, which is every thin and fold, and tillage called the Epigiotis, which is very tim and for, and in Non-adults almost membranous, concave on the under Side, and convex on the unper: It defends the Entrance of the Laryns, and hinders the Liquids which in drinking filly over it into the Octophagus, from falling into the Trachea. The Laryns has feven Pair of Mufeles, which ferve to move its feveral Cartilages, and to contract or dilate them at pleasure; two Pair of them are com-mon, the other five proper; the proper are those which have both their Origination and Insertion into the Lasyns, the common have only their Infertion there. Of the former the common lave unity their Inferrion there. Of the fermer Klodd are the Croscopiusles, which more the fundrom Klodd are the Croscopiusles, which more the fundrom by in Casmathen, to draw the Asymmodica Carrilage, and to open the Klom. The third is the Asymmodica gether, and to flust the Klims. The fourth is the Circu-arymmodica Laurelle and the fifth the Thyto-carrenceder, which that the Larges. The common Burdele are deep with the Croscopius of the Croscopius of the Croscopius Asymmodica Laurelle and the Croscopius of the Croscopius that Carrilage. The Largest has but too Membranes, the the Trackness and the Hystopius which if the great the Trackness and the et clerk internal, which is the fines one external, water is a Continuation of that where evers the Traches; and the other internal, which is the fame that lines the whole Mouth I treceives two Branches of Nertes from the Recurrent, and it is moiltened by four large Glands, two fituate above called Tonfils, and two underneath call'd Thyroides.

undernesth call'd Thyroides.
The Laryus is of very cenfiderable Ufe, not only in forming and modulating the Voice, by the different Apertures of its Rims or Chale, but all of in comprelling the Lung; is a genate or left Degree by the Air: For if the internal Diameter of the Laryus had been equal to that of the Trethese, the Lungs could have undergone on the Laryus could have been requeled as a supervision of the Laryus could be not be Laryus could be when created as Advantage, from Benching, in regard the Air would not have resident that Breathing, in regard the Air would not have traced that Porce whereth it is driven out in Expiration, nor confe-quently could the Compression have been made in the Lungs, which is found necessary for the Commission of the Globules of the Blood, and the mixing of the two Floids, Air and Blood, rogether. For the Action of the Lawynx in Sound, see Glorin and Sossol's see also Epighanic.

Tracben, &c. LASH, t Honors, etc., the Sea-Word for binding up to the Ship's Lobbin, the Sea-Word for binding up to the Ship's Lobbin, the Lobbin the Water of Beer, or Fieces of Timber to make for "I when the saftlend to the Ship, it is called Lobbing. But the Lafetar are properly those Ropes only, which bind full the Tackles, and the Breeches of the Ordannee, when they are haled, or made full within board.

LASKING, a Sea-Term. See Peering.

LASRING, a beat-term. See Feering.

LASRING, among Phyticians, expertles that Weatness or Heavings of Members that proceeds from a diffenenced state of Body, and not from Exercise 9 either from an Increase of Bulk, from a Diminution of proper Beacaustion, or from no great a Confumption of that Fluid which is necellary to maintain the Force and Spring of the Solid-k as in Ferres and Convultors are from a of the Solids, as in Ferers and Convultions; or from a vitiated Secretion of that Juice, whereby the Fibres are

not supplied either in due Quantity or Quality. The Remedy in the first Case is Evacuation, in the latter proper Diet, or fach Alterative Medicines as influence fuch a Secretion.

lean s Secretion.

LhST, et Ltft, in general fignifies the Borden, or Load of a Ship. It is allowful for a certain Weight and Mea-fure, which is return in revious Countries; in he in the grant, which is return in revious Countries; in he in the part of Code/fin, White Herrings, Meal, and Affects for Sup. is 1. Barrels for each of Come Reported, or 2400 he weight; Of Compowder 24 Barrels, or 2400 he, weight; Of Red Herrings 20 Codes to Hilders 12 Deans; Of Leather 20 Dickers Of Finch or Tax 14 Barrels; Of Wood 12 Seats; Of Stockshift 1000 Of Place of Feshers.

13 Sacks: Of Stock-till Icoo! Of Files or Featners 1700 hb. weight. Leffsee, according to Raffal, is a Du-ty exacled in foure Fairs and Markets to carry things bought where one will. Laffage, fays another Author, is

Dought when no even it staller, flayers notice planets, properly that Cultion, which is paid for Waterfield by the Lati. In a Law of R. 1. the Focoal Laplace is taken for the Lati. In a Law of R. 1. the Focoal Laplace is taken for the Lati. In a Law of R. 1. the Focoal Laplace is taken for the Lati. The Lating Lating the Lating L

out a Strait Liou and a Circle casting each other.

LATERAN, was originally the proper Name of a Mnn, whence it defended to an antient Palace in Roser, and to the Emillion flow cereded in its place Perticuted to the Company of the Proposition of the Company of the Letters, it as Congregation of Regular Comes, whence if the Company of the Company of the Letters, it as Congregation of Regular Comes, whereof that Church is the period pulse. The present of the Company of From the lettle of the Apolities, and that a number of the ower effabliffed in the Lateran in the Time of Con-fination. But the Canons were not introduced till the Time of Los 1, and thefe held the Charch Seo Years, till the Reign of Buniface, who took it from "em, and placed Secular Canons in their room, 150 Years after, the Re-agiless were reinfared.

Secular Canons in their room, 150 Years after, the re-gulars were cinditated.

A LATERE, a Lain Term used for the Qualification of Cardinals whom the Pope fends as Legates into foreign Courts, who are called Cardinals a large, as being his Holiness's Counfellors in ordinary and Additiants. See Legar. The Guards of Princes were heretoofore called Lastrones, because always attending at their Sides, a la-tere. Dn Cange, in his Gloffary, fays there were antiently

tore. De Conye, in his Gloffery, first there were subscally Counts alters, and Montines alters. LATH, in bialiding, long, thin, survow Sipa, or Wood, LATH, in bialiding, long, thin, survow Sipa, or Wood is allowed to the Control of the Control of the Control of set Heart of Oak, Say Laths and Daulkathas; the of set Heart of Oak, Say Laths and Daulkathas; the first control of the Control of the Control of the unit control of the Control of the Control of the unit control of the Control of the Control of the unit control of the Control of the Control of the which are to be an inch and half in breadth, and half an which are to be an inch and half in breadth, and half an LATHE, or Leafue, a very which Injune for discussion.

such in thekiness. There are what Furnesse calls doubletes.

LATHE, or Leatie, a very seful Engine for the terming of Wood, Ivury, Metalls, and other Materials. The
Invention of the Latie is very antient. Disdorus Scientia
fays, the first who used it was a Nephew of Dedalus, named Talus. Pliny ascribes it to Tesabure of Samos, and
mentions one Phenicle, who rendered himself very famous

by his Dexterity in managing the Laube.
With this Infroment the Antions turn'd all kinds of Vafes, many whereof they enrich'd with Figures and Ornaments in Baffo Relievo. Thus Vingil,

Lenta quibus Torno facili faperaddita Vitis.

the Latke, and Ciero calls the Workmen who used it Vaf-cularii. Twas a Proverb among the Antients, to fay a thing was formed in the Latke, to experts its Delicacy and Joshuck.

and Jefincis.

The Lathe is composed of two wooden Checks or Sides, parallel to the Horizon, having a Groove or Opening between 3 perpendicular to these, are two other Pieces called Puppers, unade to lifido between the Checks, and to be fix'd down at any Point at pleasure. These have two

LAT (433) LAT

ner or appropriate Transing.

LATHE, in our Law. See Lette.

LATHE, is fenfl, or Ceremony inflitted by Tergal

LATHAR, a Fenfl, or Ceremony inflit LATIAK, a Feath, or Ceremony influence by Tespa-inus apprint, in bonne of Tespire Latini. The Founder only appointed one Day for this Feath; the first Contals added another to it upon condealing the Feate with the added another to it upon condealing the Feate with the titred to the Most Sacr were returned to Roser; and a formh after appearing the Sections maid on occasion of the Conflate, in which the People would need have a non-devery thing done during the Court of the Feat, as Feath, Sacrifices, Offerings, 46. were called Latiners. Section 200, 100 of the People would need to the Feath of the People would need to the People and propuls having made a Treasy of Alliance with the Latini, propuled, in today for preparating it, to cred a common Yelfe, Sectional distribute thempletey every Year, add Voje, &c. should aftemble themselves every Year, hold a kind of Fair, exchange Merchandizes, feast, facti-fice, and make merry together. Such was the Institution

of the Latine.

LATICLANUS, a Germent of Didinstion and Dignity money the Remain. It was a kind of Yunis, or long wife to the west sides of the Tunis. In which the Remain wife to the two Sides of the Tunis. In the Latinesan the Gillpa were perry bread, and in the department as the Remain and the Remain an

reace of Benth, be put off the Practacts, but rectained the LATINE, a clear Language first Hydrox in Latinus, and afterwards at Rome, and this left in the Romfo Church, and among the Micro Alexandry, Some Anthors and the Latin temperature of the Micro Alexandry and the Latinus and particularly the Rome Latinus and particularly the E-Role Ballect of his Tongque; the his has a prear Number of Words which is bestowed from the his has a prear Number of Words which is bestowed from the Latinus and particularly the E-Role Ballect of his Tongque; they of his his a fine for region conneces and Wars, in courfe of Time, added a great many more. The Latin is a strong, first Language, prefetly invitation to the Character as in infinite Number 16d. The Latin is more figure, are in infinite Number 16d. The Latin is more figure, in the Latinus of the Latinus and the Latinus of the Latinus and the Laticlay Neighbour, or to the Nations they fablached. Gare ele-ferced that even in his Time Grobe was add atmost among refer that even in his Time Grobe was add atmost among reason of the Company of the Company of the Company of the time became femilies of the Necetifity there was of its being generally underrolled for the Conveniency of Com-tain of the Company of the Company of the Company that all the Nations Edylect to their Empire, Bould Be united by forme common Languages to that at length they impedid that as a Long, which they the Content of the English of the National Company, and the Content of the English of the National Company, and the Content of the English of the National Company, and the Content of the English of the National Company, and the Content of the English of the National Company, and the Content of the English of the Well, absorbed to I Garoot the Lenin Tongue, and allowed their Judge to pub Sentence in Novels composed in Grock. Chebrogare coming to the English of the Order Company of the Content of the Well, appointed the Proceedings in fore-cessing Control and Information to the furner Tongue, Chair and Information of the Information of the Parising Company of the Empire of the Well, appointed the Proceedings in fore-cessing Control and Information the Information of the Parising Control and Information the Information of the Information of the Parising Control and Information the Information of t ferred that even in his Time Greek was used almost among

Points, between which the Piece to be numed in futhanced y of Europe, but at length it give very, and the Frenciscuck the Piece is sured round, backwards and forwards by means place of the Louis, not only in Frience, but in time of a Suring pure round, is and trained shows to the find of the Piece is the Piece of the Louis, not only in Frience, but in time of a Suring pure round, in an attention of the Interneut should be the Tool, and keeps it fleathy.

Al 'it is the Ule and Application of this Interneut shart that the Ule and Application of this Interneut shart.

Al 'it is the Ule and Application of this Interneut shart from the Ule and Application of this Interneut shart.

The Interneut of the Continued Towards into Dray, brought me of applying it in various Works, to that Head. See California.

See The Piece See Lettic.

LATIAR, a Feeli, or Ceremony influented by Towards and Seedan, in loose of Species Lettics. The Piece of Seedan and Seedan is loose of Species Lettics. The Piece of Seedan and Seedan in Interneut Seedan in See was debauched to that degree, that it was almost become feandalous to use it. In this Condition it was found at the feandalous to ufe it. In this Condutes it was found at one time of the Reformation; when Free, Erafams, &c. began to open the way for its Recovery: fince which time, Months time, Months that has been declining, and all Endeavours have been ufed to retrieve the pure Language of the Angelian Age. Twas faid of Cardinal Bowles, that he would never the contract of the Angelian Cardinal Bowles, that he would not the Cardinal Bowles.

steen beine der eine LATISMUS DURGI, is a Term eine far the Resignatur LATISMUS DURGI, in a Term eine far the Resignatur LATISMUS DURGI, in Aussen, in ein Mitchelle der eine der eine

and the II at alloca, and an another broade it curries the Arm to the Aom.

I AUTITAT.

Write where by all Men in perfoul had not been dear to the Arm to the Aom.

I AUTITAT.

Write where the Arm to the Arm to the Arm to the Aom.

I AUTITAT.

While the Arm to the

called the Mcridine of the Place, and on it the Lumae of the Place is understand. The Election of the Note of that Place is understand, and Election of the Note of that Place above the Horizon, are Terms add indifferently for each other, in regard the Landse and the Election of the Note of the Place Geography where the Circle H 2 of re-precises the Meridine, H O the Horizon, ECCQ the Place Geography where the Circle H 2 of re-precises the Meridine, H O the Horizon, ECCQ the Arthur Control of the Place, or its Distance from the Levision of the Place, or its Distance from the Levision of the Place, or its Distance from the Levision, the Arch Z A, other P to No. over the Arch A cardine, and the Arch Z A, other Arch Z A, other the Control of the Place o

We have already observed that the Altitude of the Pole is always equal to the Latitude, for which Reason the La-titude might be best found by observing the Pole's Height But in regard the Pole is only a mathematical Point, and no ways to be observed by our Senses, its Height cannot be determined in the same manner as that of the Sun and Stars, &c. for which Reason another Manner has been contrived. In order to this, a Meridian Line is first drawn; the Method of doing which, see under the World Meridian. Place your Quadrant on this Line, so as its Plane may be in the Plane of the Meridian; then take fome Star ne in the Plane of the Merchans, then take fome Star heat the Pule, v. p., the Pole Star, which never fies, and ob-ferre both its greatest and least Aldrude (fee Quadrant). Let the greatest, v. p. be SO, (Fg. p. Plan. (Govephy) and the least rO; the Half of which PS or P. q. de-ducted from the greatest Altrude SO, or added to the least rO will give PO, the Altitude of the Pole above the Merchantskin and the processing of the Pole above the Horizon, which is equal to the Latitude of the Place.

JAGOZEON, which as equal to the Latitude of the Place.
The Latitude may allo be found, by having the
Sun<sup>2</sup>, or a Star's Declination, and Micratian Altitude
taken with a Quadrant or Altholabe. The Michael is
this: Oblere the Meridian Diffunce of the San from
the Vertex or Zentih, which is always the Complement of the Meridian Altitude; and add to this the San
et al. (1997) and the Complement of the Meridian Altitude; and add to this the San
et al. (1997) and the Complement of the Meridian Altitude; and add to this the San
et al. (1997) and the San de Complement of the Meridian Altitude; and add to this the San
et al. (1997) and the Place are on the San
et al. (1997) and the Place are on the San
et al. (1997) and (1 Declination, when the Sun and the Place are on the Jame Side the Equator, or fubfirds the Doclination when they are un different Sides; the Sum in the former Cafe, and the Difference in the latter, will be the Latinder expired. But when the Declination of the Sun is greater than the Latinder of the Place, which is known from the Sun's being nearer to the elevated Pole than the Verrex of the Place. nearer to the elevated role than the Vertex of the Fisco is, as it frequently happens in the Terial Zone 5 then the Difference between the Sun's Declination, and his Zenith Dittance, is the Latitude of the Place. If the Sun, or Star, have no Declination, but move in the Equincedia that Day; then the Elevation of the Equator will be equal

than Day's then the Elevation of the Equators will be equal to be in Merdian Attitude, and conferency bit Merdian Attitude is the Complement of the Latinder to you. This vegeta is the Complement of the Latinder to you. This vegeta is the Complement of the Latinder in New House the Complement of the Latinder, in Attitude, in Attitude the Conference of the Latinder, in Attitude the Conference of the Confere called Circles of Lutinois, or Secondaries of the Schlörie I By means of which, every Star and Potent of the Heavens is redeced to the Ecliptic, and has its likes in regard of one of the Secondaries, intercepted between that Star tand the Point where it interfects the Ecliptic; in which it efficies from the Declination, which is the Dilatace of a tellifest from the Declination, which is the Dilatace of a World: So that the Geographical Latinois is the from thing with the Alteronoical Declination, and the Affrence mical Latinois as the Company of the Company of the Declination of the Company of the Company of the Declination of the Company of the Company of the Declination of the Company in the common Sphere the Zodiac has fome Breadth. The Antients only allow'd fix Degrees on each Side the Eclip-tic, but the Moderns have extended it to nine. According to the Observation of some of the modern Astronomers to the Observation of some of the modern Attronomers, the greatest Latinute of the Planets is not always the fame; but Fensa never exceeds a Degreen Northern Latinute, Mermy a Degrees, the Moon in the C quadratus with the San 5 Degrees, 50 Minutes, Taphirer 1Degrees, 50 Minutes, Minutes, When they have no Latinute, they are faid to be in the Nodes of they have no Latinote, they are failed to be in the Nodes of the Ecliptic, or in the Interfection of their Orbit with that of the Sun; and in this Situation it is that they eclipfe, or are eclipfed by the Sun. North Afcending Latinote is when the Moon pro-ceeds from the Afcending Node towards her Northern

Limit, or greatest Elongation; North Descending La-titude, when the Moon retorns from her Northern Li-mit to the Ascending Node: South Descending Latimit to the Altending Node: South Defeending Lais-stade, is when flor proceeds from the Defeending Node to her Southern Limit; South Alcending Latitude, is when flor terums from her Southern Limit to her Aftending Node: And the fame holds good of the other Planets. Heliacentric Latinals of a Planet, is its Diffance from the Ecliptic, fach as is is feen from the Sun 3 and this, when the Planet comes to the fame Point of in Orbit, is always the fame, and suchsangeable. Geocen-tric Latinals of a Planet, in the Diffance of the Planet from the Ecliptic, as it is feen from the Earth: And this, though the Planet be in the fame Point of its Orbits, Planets. Heliocentric Latitude of a Planet, is its Diffance yet is not conflantly the fame, but alters according to the Position of the Earth, in respect to the Planet. See Heli-

Dr. Halley has fome Confiderations in the Philosophical Translations, which make it probable the Lastsades of fome

ocentric and Geocente

of the principal fix'd Stars, particularly Palilicium, Serius, and Atlanea, after in time; whence it may be argued, the reft likewife after, the the Variation may be left confpi cuous in thefe, by reason they are supposed at a greater Distance from us. See Star.

LATITUDINARIAN, among the Divines, fignifies a moderate Perfon, not over-closely tied to any religious Opinions, but thinks there is a Breadth or Latinde in the

Road to Heaven.

LATOMIA properly fignifies a Quarry, or Place whence Stones are dug. These were antiently used as Goals for Criminals. Dionysiss had a Place of this kind dug in a Grimman. Downyas nan a Flace of this kind dag ma Rock near Syrasife, where an infinite Namber of Feople were flut up. Gerever expeades Frores with imprificioning Roman Citizens in Latenais j. 6 that Latenais became a general Name for a Frifon, and the Petioners inclosed in cm, were called Latenaism. The Word comes from the

cm, were called Lausmann. The Word comes from the Greek Ass Stone, and vigus I cat.

LATRIA, in Theology, is a religious Working doe

LATRIA, in Theology, is a religious Working doe

LATRIA, in Theology, is a religious Working doe

Latrice and the Committee of the Committee of

LATUS TRANSVERSUM of the Hyperbola, is a Right Line intercepted between the Vernices of the two opposite Sections; or that part of the common Axis which is between the Vertices of the upper and lower Cone, as the Line E D (in Fig. 5, Plat. Conieks) where also D d and E e may be the Parameters, or Latus Rectums belonging to the two opposite Sections GLRO, and OEOR. To this Latus Transfers was naswers the longest Diameter in the Ellipfis; which Apollonias calls the transverse Axis or Diameter. Latus Primarium is a Right Line belonging to a Co-nick Section drawn thro' the Vertex of the Section of the

such Schlien drawn thro' the Vertex of the Schloe of the Cone, and within it; as the Line E & or D B in the Figure above referred to. LIVATION, LIVATION, A Name gives to LIVATION, LIVATION, LIVATION, A Name gives to LIVATION, LIVATION, LIVATION, A Name gives to the Livath by walking. M. Frezer gives us the following Defection of the Lorensies of Chili. Through deep inso the Larth, in fish Places as they have reason to ex-tend the Lorensies of Chili. Through deep inso the Larth, in fish Places as they have reason to ex-tense the Lorensies of Chili. Through the Lorensies the Lorensies of Chili. Through the Lorensies of Larth as much as possible all the time, that the Cur-rent may have in General Effect, and core up the Earth they more throughy. When they are got to the Earth they more throughy. When they are got to the Earth they have the control of the Lorensies of the Lorensies of the through the Lorensies of the Lorensies of the Lorensies of the through the Lorensies of the Lorensies of the Lorensies of the through the Lorensies of the Lorensies of the Lorensies of the through the Lorensies of the Lorensies more finogly. When they are get to the zarm tary weat, they turn of the Stream, and dig try. The Earth that they, now, get in carried on Mules, and dicknaped in-flations, and the stream of the stream of the Stream Stream of the Stream of the Stream of the Stream great deal of Rapidly, difficulting the Farrori the Earth, and the Stream of the Earth, and mix with a line black of Earth, which by their great Weight precipious to the Bartom of the Earth, and mix with a line black of Earth, which by their great Weight precipious to the Bartom of the Earth, and mix which a line black of the Earth of the Stream of the Stream fad very confidentible Force in Learnment, particular-tical stream of the Earth of the Stream of Carlo field very confidentible Force in Learnment, particular-tical Learnment, when they find Feyn, or Grade of Vigin Cold, of a predigious Stor. Among others hely count de I Mannies, Victives of Free. Nine or to Leagues who Earth of Learnment of Andal-tical Carlos of the Earth of Learnment of Andal-cies. est, inc Gold whereon is twenty-three Carats fine. Their Work, here, always turns to great Profit, excepting when the Water Fails them. The Natives maintain that the Earth is oreades, that is, it produces Gold continually a because after having been walled fixty or eighty Years, they find it impregnated afresh, and draw almost as much out of it as at first.

ous of it as a first.

LAUDANUM, or Oriem, by row by the Chymits to LAUDANUM, or Oriem, by rowfor that part of the control of

took their Name. See Matins and Brewiary.

thy between those Parts, in to pur out; thus they fay, lands a Sip out of the Duck, or any fish English and they fay, lands a Sip out of the Duck, or any fish English antiendy dwelt. Authors can't agree about the Difference between a Land and Stondarder, Some percent dute a Land was a Mondarder, Some percent dute a Land was a Mondarder of the Contract of the Contrac nauery, wareen there lived at leaft a thouland Monks; but this is in no wife cedible. The more credible Opinion is, that the antient Monafteries were the fame with the Modern, confifting of large Buildings, divided into Halls, Chapels, and Cells, pofteffed by the Monks, each of whom had his Apartment; but the Laws were a kind of Villages, whereof, each feweral Houle was chabitated. as held of Villagus, whereas the term I food over imbibiled by one or two Manks at the med 1: first the Heads of the Charteras from, is fono measure, to repre-per the Charteras from, is fono measure, to repre-per Monatteries. The Term Lance was only upderfixed of the religious Places in Agypt and the Last, where their places are the control of the Charteras of the Charteras of the places of the Charteras of the Charteras of the Charteras by any common, Goldier, the Monda sha rinabilete them only meeting in publick once a Work. The word conce LAUREATION, a Term in the Gampie Universities, under for the Adrino of taking up the Dayere of a Matler Varian cold in the Universities.

of Arts, to which the Students are sumition, state now, Years Study in the University.

87: LAUKENCE, an Order of Regular Canons, for alleld from the Monaftery of 3. Lawrence 30 old in Dan-called from the Monaftery of 3. Lawrence 30 old in Dan-phint. This Congregation is fail on have been Southern, by 31. January, it was deliveryed by the NAL of Monagare and the Students of the Students of 10 old in Students of Students of Students of 10 old in Students of Students of Students of 10 old in Students of Students of Students of 10 old in Students of Students of Students of 10 old in Students of Students of Students of 10 old in Students of Students of 10 old in Students of 10 old In 1017, Odd Count of Arrey gave it to one Gorras was un-Canons. This Donation was confirmed in 1065, by Candrer Bifloop of Turin, who added to it above forty other Churches. By which means a very confiderable Congregation was formed, to whom the fucceeding Popus Congregation was formed, to whom the fucceeding Popus

Congregation was ferrined, to whom the faceceding Popes and Connts of Smy genared a great many Printinges. It had thirty Printines. The Chieft, who is the Price of the Congregation, because the Price of Two Mannes, and carceries as the Printing Printing of the Printing Pri

ble to fay, That a Sch-Wilf finded then. She afterwards married a very rich Man, who brough be great Wealth, which, at her death, the left to time Rossan People, in LAW, a Command of Pracept; coming from form for point Archerity, to which as inferior in obliged to obey; or, more propely, a Command of Manhate of form Fer-yr, more propely, a Command or Manhate of form Fer-tor, more propely, a Command or Manhate of form Fer-fret to Men, of a City with regard to the Chizinan, and universityl of all powerful Reings in respect to these of Obelience. Thus the Commands of God with re-fige to Men, of a City with regard to the Chizinan, and universityl of all powerful Reings in respect to these a. Zim will be the med clacific difference by the Chizinan, and who cannot refift, are called their Laws. The Nature of a Lum will be the most clearly differenced, by fluctuage, wherein it differs from Covenant, Counfel, and Right or Equity, with all which it is frequently confounded. The Difference between a Counfel and a Law will be best determined from the Difference between Counfel and Cornell and Counfel and C terminen from the Difference between counfel and Com-mand. Now a Counfel is a Precept, wherein the Reation of Obedience is taken from the Thing itself presented a Command is a Precept, wherein the Reason of Obe-dience depends on the Will of the Presenter; for we cannot properly fay, fie well, fie jubes, unless fier pro ratione
Voluntas. But fince in Laws we do not obey for the fake of
the thing itself, but for the sake of the Person who prethe thing it fell, but for the lake of the Perion who pre-feribles it, a Louis not properly a Consile), but a Com-mand. A Law comes from a Perfon who has a power over those whom be commands, a Consile from him who has no fuch power. To do what is enjoined by a Lou is an Act of Dury, what by a Counfel an Act of Choice or Free-will. A Counfel is directed to his Advantage who receives it, a Law to his who gives it. A Counfel only takes effect over those who are willing, a Law over those that are unwilling. Laftly, the Authority of the Coun fellor is taken away at the Diferction of him to whom the fellor is taken away at the Diference of him to whom the Counfel is given; but the Authority of the Legislator is not taken away at the Diferention of him on whom the

not utken away at the Direction of him on whom the Lew is always confunded with Coresant, by those the two the conting elic but ipasywars or Ferma of Living determined by the Confiert of Manage determined by the Confiert of Manage of the Manage of th we confider what is to be done e'er we are obliged to de it; in a Law we are obliged to do, in the first place, and what is to be done is determined afterwards.

what is be done is determined afterwards.

Leon is confined with Righer of Eguiny, by bufel we have been filled with Righer of Eguiny, by bufel was perfit in doing what is permitted by the Lorest Leon, the perfit is doing what is permitted by the Cloud.

Leon, now what is commanded by the Divine Leon when the Cloud of the Cloud

is first extensed by the National and the Journal arms, maintained in the state of may be divided into that natural Law of Men, which, in a pocular Senfe, is called The Law of Nisawe, and the natural Law of Countries, commonly called The Law of Nisawe. The Procepts are the fame in both. But because, when Societies are once inflinted, certain perforal Properties become veited in Men, that Law which, when we speak of the Duties of Men feverally, we call The Mattard Law, when transferred to Gilica or Countries, wo

Natural Law, when transcered to Causs or Countries, we call The Law of Nations.

Again, All Human Laws are Civil 5 for, according to Holder, the State of Man out of Society is a State of War, wherein no one being fubject to another, there can be no other Law besides the Diktates of Natural Reason, which is the Third Law Child Law has been been bedieded with the Country of the Co other Law bendes the Dictates of Natural Reason, which is the Divise Law. Civil Laws may be divided with regard to the Difference of the fubject Matter, into Sacred and Secular. Sacred are those that relate to Religion, that is, to the Ceremonies and Worflip of the Deity, and which are not preferibed by any positive Divise Law. Secular, are those that relate to Property, &c. commonly.

cular are those that relate to Property, S.c. commonly call'd by the name Civil.

Further, Cwil Laws confidered with regard to the two Offices of the Legislator, vis. to judge, and to compel, may be divided into two Branches 5 the one Distributive, the Compel, was be divided into two Branches 5 the one Distributive is that may be divided into two Branches; the one Distributive, is that Branch by which every Man has his Right; or that which constitutes the Rules and Meafares of Things, whereby we know what belongs to us, and what to others, fo as we may not disturb or interrupt others in the Enjoyment of their own, nor be interrupted by them, and what each Man may lawfully do or not do. Vindicative is that Branch by which the Punishments to be inflicted on those

ned. The Diffributive who violate the Laws are determined. The Distributive and Vindicative are not two Species of Laws, but two Parts of the fame Law. For if a Law fay no more than Whatever you catch in your Net in the Sea fault be yours, 'tis in vain'; for the another take from you what you have caught, 'tis fill yours; in regard in the Stare of Navalue in the State of Na-caught, 'is fill' years; in regard in the State of Na-ture, where all things are common, years and another's are the fame thing. So that what the Less defines to be yours, was yours force that Less, and will be years after it, the poffict's dy sandter. A Less therefore is but an empty Sound, unless it determine the thing to be years in the common that the same that the same that the same compty Sound, unless it determine the thing to be years in empty Sound, unleft it determine the thing to be years in feath stelle, as to brible dreey body life from disturbing you in the positions of it. But fach Publishion will be vain, andles there be a Penalty anose? do it. A Lear therefore must contain both thole Parts, that which problishing, and the width punishes. The first whereof, which is call a Distributive, in probibinary, and freaks to all. The latter, all Id vincilative or Prenary, in Mandatory, and freaks only to the public Olisects. Whence it sold-circles were provided to the probibility of the punishes of the control of the control of the punishes. lows, that to 311 Crost Laws there is annex a a remain, either implicitly or oxplicitly; and where that Punifi-ment is not afcertain'd, either by Writing or by Example, 'ris fuppofed to be Arbitrary, and to depend on the Plea-fure of the Legislator; for that is no Law, which may be

Morrowie, Cuil Luw conflected with regard to the different Museus or prompling them are of vow binds different Museus or prompling them are of vow binds of different Museus or prompling them are three to the conflection of the conflection of the different Mill to be come Luce. Their unwirtent, are facil as need no other become Luce. Their unwirtent, are facil as need no other more conflection of the conflecti Moreover, Civil Laws confidered with regard to the of the Supreme Power, which is argued from their passing into Ufc.

into U.E. The first Principle, or Law of Nature, according to Hibber, it Self-preferration. Themsglow will have it no be Hibber, it Self-preferration. Themsglow will have it no be ment of Hibber. Fullented minimize it to be Stecklity. Valentine Allerit, the Bellet that we are the Image of God. Henry and Somel Coccia, the Will of God. Genius, Right Reafton. Fullenius, the birtine Decreey or Turpetade of Address. Stronglow and Lonns, that we are Turpetade of Address. Stronglow and Lonns, that we are to love God, Ourselves, and our Neighbour. M. Regis fays, that the Laws of Nature are the Dictates of Right Reason, which teach every Man how he is to use his nararal Right; and the Lass of Nations, the Dictates in like manner of Right Reason, which teach every State how to act and behave themselves towards others.

haw to att and behave themselves towards others.

Low is alfo used for the Neveral Policies of States and
People, or the Maxims and Rules they have agreed upon
or received from their Magistrates, to live in Peace and
mutual Society. The Lows of the Twelve Tables were
that mattient Laws of the Romans, for which the December's
were feat into Greece, and which ferved them for the were feat into Greece, and which ferv'd them for the Ground-work of all their Jurifyrudence. The celebrated Lauve of the more modern Days are those of the Angle, Verience, or Tissening, of the best of the Kongail, of the Rymaril, Germann, Danes, and Norme giant, of the Franks, the Frijern, the Lambard, the Goddie Lauve, the Mariane or Mercian Lauv 3 the Lauve of the Saxons, Scots, Sicilians, Visitoths, the Low of Oleron, the Molmatin Law, the Salie Law, the Low Gombette. See

Molhasim Lew, 100 older same, we saw from Salic, Somphasin, Sec. Among the first Remain, the word Leav properly figal-field an Ordonance of the People made at the Request of a Magillaruce, particularly a Coafel. These Ordonances differed from the Pelasifica and Serman-Conjula, and even from other Ordonances made at the Request and other Pelasifical Coaffel, the choice of other Pelasifical Coaffel, the choice of other Pelasifical Coaffel, the Choice of the Pelasifical Coaffel, the Choice of the Coaffel Coaffel of the Coaffel Coaffel of the Coaffel Coaffel of the Coaffel ment Magiftras befices a Corful, the thôt less how the ment and partial states of spains and failed were colly Thibaces when they made their Requelt, yet we fill fay Thibaces when they made their Requelt, yet we fill fay Remain and filling partial states of the states

the most Learned in the Roman Low; to which he gare the Sanction of Laws, as appears by the Epithe preha'd to the Work: And 'tis this that conflitures the Roman

The Lex Talienis, or Law of Like for Like, is the most antient and equitable Liw in the World. It was observed by the Hebres

The Law of England confifts of three Parts. 1. The Common Law, which is the most antient and general Common Law, which is the molt antent and general Law of the Realm. a. Statutes, or Acts of Patlianent. 3. Particular Cathons. The Common Laws of England are derived from the English, Saxons, and Danes, and were antiently divided into three Parts, visc. the Mexical Laws, the West-Saxon Laws, and the Danish Laws. Those call'd Mercian were composed by Mertia Queen of the Britons, from whom there was a Province call'd Provincia Mercioram. Many Laws were published by Esbeired King or Kens, by King Ina and Offa: But Afred, who subduce Kenn, by King Ine and Offs: But Affred, who fullwheel the whole Kingdom, busing reviside at the Laws of his Producetion, remain'd those which he thought proper, Law of the American Company of the Compa ward's Laws, and abrogated none that any way concern'd

warth Lain, and abrogated once that any way concent'd Compositions or Mulls or Delinquest.

The Comess Law is also call'd Les was ferjous, (or to the contract of the contract is for their as a colly Matters of Fag, and are so where but in the Memory of the People, and of all Law mull be the belt for the English or the Writter Law Contract of the Writter Law Contract of the Contra

made by King and Parliamond, are imposed upon the
Subjects before any Proissons of Till whether they are
should be the proper of the Propel, except where they are first made remperary,
and for that expressed Utfellight a literaceal made point
and suppressed Till the proper of the p

wage Law (usdare Legus) and to make or de Law (Jasce Legus). When an Addion of Debr is brough sagainf one upon fome fecret Agreement or Contrad, the Defendant may sage bit Law if he pleafes; that is, freez, and cer-nin Perfons with him, that he owes the Plaintiff sorbing: But this is only allow'd in cafe of the Plaintiff wants But this is only allow'd in cafe of the Plaintiff wants of the cannot prove his Sarmide by any Evidence, and when he cannot prove his Sarmite by any Deed or open Act. When one wages his Law, he finall bring with him to many of his Neighbours as the Court final adign (Sir Ed. Oke Tays, eleven) to freezr with him that they believe in their Cociciences he hat fivem truly; and thee in the Giril Law are call'd Companyaner. The

and thefe in the Civil Law are call'd Comparisons. The Offer to make Oath is call'd the Magne of Law, and when it is accomplified, it is call'd the making or doing of comparison of the Civil Civil Comparison of the Civil among the Egyland field to have obtained, formerly, among the Egyland field to the Civil Civil Comparison of The World Law is all to study flowering in per-formed. These we say the Laws of Massian, the Laws of Medicanic, the Laws of India, the Laws of a Game, Sec.

Sec Morian, &c.

LAW OF ARMS, is that which gives Precepts how rightly to proclaim War, to make and observe Leagues, to attack the Enemy, and to punish Offenders in the to attack the carry, The Camp.

Camp.

LAWING OF DOGS, a Term used in our LawWriters. Thus Massists must be Laused every three Years;

Compton Juris, fol. 163; that is, three Cliews of the ForeFoor shall be cut off by the Skin, or the Ball of the Fore-

Foot fall because op unefoot rat out.

The West strong is derived from the Green, Zap or Largh.

The West SCOURT. On Entry-tile at Indian to the Strong of Hour, or quia dilla fine lege. It is mention'd by Cambien, who fays this fervile Attendance was imposed on the Te-nants for conspiring at the like unscasonable Time to raise

LAWLESS MAN, Exlex. Sec Ostlaw.

LAWLESS MAN. Letter. See Content.

LAW DE MAKULT, from the Grozens Word Marci,
LAW DE MAKULT, from the Grozens Word Marci,
LAW DE MAKULT, from the Grozens Word Marci,
LAW DE MAKULT, from the Grozens was the content of the Party that has done 'cm weng, and of whom they
came gas redularly Julice on Mercever they can take them
LAW MERCHANT, is become a Part of the Law,
of the Kingdom; it conditis in this, that if there he was
of the Kingdom; it conditis in this, that if there he was
of the Kingdom; it conditis in this, that if there he was
of the Kingdom; which is not for in the Cell
of others, not Merchans.

LAW OF THE STAPLE, the fame with Law MorLAW OF THE STAPLE, the fame with Law Mor-

ckers.

LAWS OF MOLMUTIUS. Sec-biolemeire Laws.

LAWS OF MOTION, or of Nature (taken in a phyficial Serds.) Sec. Moreo.

LAWS OF MOTION, or of Nature (taken in a phyficial Serds.) Sec. Moreo.

LAW STRITUALS, in the Eccledatical or Canon Law
allow'd by the Laws of the Realm jo for as it is not a
again the Common Law, nor against the Statutes and Cufrone of the Kingdom. And regalatyle, according to pick

Eccledatical Laws, the Ordenary and other Eccledatical

Lagogue do proceed in Cule within their Organistics. See

Carson."

LAXATIVE, in Mcdicine, is used to fignify a loofe
Strate or Diffusition of the Body, so as to go frequently
to thool. Hence basatise Medicines are fuch as promote
that Diffusition, which they do by some smooth softening
oughlity, raking away the Trainty of the Fibre, and facilitating the Patrage of the Corrents of the inteffinal
Table then is far which Rection all oily Subflaces come
Table they are for which Rection all oily Subflaces come

Take the it is few which Reafon all oily Sabiltaness come under this Glafs. See Prognies:

LAY, an old French Word, figuritying Mean, or Complaint. Ley is life the Same of a laid of senties Proplint. Ley is life the Same of a laid of senties Profess of Lay, the great and the little; the great Ley was a Prom contiling of a Prom, confiling of vewler Couples of Verfe of different Mediares; the little Ley was a Prom contiling of Professor of Lay, the great and the little; the great Ley was a Prom contiling of Professor of the Complete Comple goes gives us an extraordinary Instance of one of these an-tient Lays in his Treatise of French Poetry :

Sur l'Appui du Monde Que faut il qu'on fonde D'E/poir ? Cesse Mer profonde, En Debris feconde Fait pair Calme an Matin, POnde Et l'Orage y groude

Le Soir.

LAS THE LAND, a Sea Phrasic, saled for falling out of fight of Eastly, in which Gale, they say, shey have had the fight of Eastly, in which they say they have had the say that they say they have say they have say they have say they had been a Las BROTHER, among the Reasestip, in a pleas in Hubbanday is also fallow Ground which lies untilled. LAS BROTHER, among the Reasestip, is a pleas were, to the Service of the Religious. He wears a Hubbit different from theirs, now ever enter into the Choir or different from theirs, now ever enter into the Choir or Laybrister's ind but old for an illiterate Religious, how takes care of fonce of the temporal Concerns of the Co

Brothers, who make the three Vows of Religion. In the Feeders, who make the three Vows of Religios. In the Numerica are all of Lary-Spiers, who excer enter the Clost, 5%: and who are only retained for the Service of the Convent. The Intifitation of Lary-Swieter began in the eleventh Century. The Perfoss on whom this Title was conferred, were fact as were to signours to become construction of the Convent Convention of the Convention of the Convention of the Lary who the Convention of the Con that the Luty is moto Days has not, to the government be leaft 'Includer of Learning is whenceallf before came to be called Clerks, by way of Diffinding, who had found that the control of the control o

they are rooted; when they are to be cut off.

LAYMAN, a Person not engaged in any Order of Ec-

clefiafficks.

and a morodial, when they are to be out offcleffidicks. Profess on congoged in any Order of Eccleffidicks.

\*\*Loyana\*\*, among Painters, in a Samae of Wood, whole

\*\*Loyana\*\*, among Painters, in a Samae of Wood, whole

\*\*Loyana\*\*, and the same of the same of the same

\*\*Loyana\*\*, and the same of the same of the same

\*\*Loyana\*\*, and a same of the same of the same

\*\*Loyana\*\*, and the same of the same of the same

\*\*Loyana\*\*, and the same of the same of the same

\*\*Loyana\*\*, the same of the same of the same

\*\*Loyana\*\*, the same of the same of the same

\*\*Loyana\*\*, the same of the same

\*\*Loyana\*\*, the same of a military Order and

\*\*Loyana\*\*, the same of

Bonofices.

Fathers of St. Leasurs, or Lazarist, a Name given to certain Regular Clerks of a Congregation infiltrated in France in the 17th Century by M. Frances. They take their Name from a Houfe in the Fastleway of Paris. They have a Seminary in Paris, called The Sominary by Born Enfant.

The Vowerhey make are fimple, and on occasion may be differed withal.

may be differred withal. LEAD, a coarfe, heavy, impure Metal, of all others the forfieft and most faible, when purified; called by the Chymilis Saturn. Those who have made an Analysis of it, find it contains a little Micreury, forme Sulphur, and a great deal of birminous Earth. Lead is found in various Countries, but abunds particularly in England. Tils found, to or, in several hand of 50 dail and Stones, forme foods, too, in fercual kinds of Solits and Stones, fonce whereoft, beliefs, comin Golds, from Stirre, other Time, whereoft, beliefs, comin Golds, from Stirre, other Time, Golds, and the Startes provided for the purpose, of the Common Contract of the Contract of the Contract Contract once Bold of it, leveling the Earth, Stones, and Scenia, with the Afrect of the Costa. The purified by Solits into it. Some very shell have already the the the Weighted Loui incredies, either in the open Air, or the Lessel of Contractes, which, he Isys, frequently grows both in Bulk and Weight, for a to become two punders are considered to the Costa of the Costa of the Costa of the land of the Costa of the Costa of the Costa of the Costa of the cost of the Costa of the C Texture of its Parts, by means whereof the Particles of the Air getting Admission within its Pores, are attracted, and Air getting Admillion within its Porcs, are arrarded, and castify stimulated to at 1. Best others, who rely wholly to except the control of t

ing able to endure the Violence of the Fire which they undergo, it retires, and carries with it all that was hete-rogeneous in them; so as neither Gold nor Silver are refined without Lead. To which it may be added, that the coarfer kind of precious Stones, boiled in Lead, are there-

by rendered much more brillant.

Lead is much used in Building, particularly for Cover-ng, Gutters, Pipes, and Glass. Lead is eather east into Sheets in a Mold, or milled; which latt is found by much the least ferviceable, not only on account of its Thin-nefs, but also because 'tis so exceedingly stretched in milling; that when it comes to lie in the hot Sun, it fhrinks and cracks, and confequently will not keep out the Water. The Lead used by Glaxiers is first cuit into Bhones and crows, and the Water. The Least wird by Glaziers is first cast mo flender Rods, twelve or function locks long, called Canes; which being afterwards drawn thre' hier Vice, comes to have a Groove on either Side for the Panes of Glafs; and this they call Twent Lead.

The Marbod of valing or foldering Lead for fitting

The Method of paling or foldering Lead for fitting on of Imbols'd Figures, &c. is by placing the Part where-on the Figure is to be paled, horizontal, and strewing on it on the Figure is to be paled, horizontal, and throwing on it from pulverined Rofi 1 under this place from Coals, sill fuch time as the Rofin becomes reddiffh, and offes in Finyles; then apply the Figure, and rub four foft Sod-der in tothe joining; when this is done, the Figure will be paled on, and as firm as if it had been call on it. Berrichies affers, that Lead reverberanted into Minium.

melted into Glafs, reduced into Cerufs, and burnt into Litharge, immediately refumes its original Figure, upon the dexterous Application of a lixivial Salt. The Anrients, according to Schindlerss, used to compose Books of Plates of Leaves of Leave.

For the Manufacture of Lead, fee Plumbery, There are various Preparations of Lead, ferving for

There are var various Purpofes: Lead-Deft, a Preparation used by the Potters, made by throwing Charcoal-Duft in melted Lend, and ftirring them a long time together; to separate the Coal again, they

only wash it in Water, and dry it afresh. Its Use is to give a Varnish and Gloss to their Works. Burnt-Lead is a Chymical Preparation used in Medi-cine, made of Plates of Lead melted in a Pot with Sul-

cine, made of Plates of Leaf meltod, in a Pot with Sulphur, and reduced into a brown Powder.

White Leaf, ufed by Painters, is only thin Plates of
Leaf diffelved by Funnes of beiling Wingar. SecComfs.

Mufficers of leveral Colours, and the Sandix, are alfo
Pre parations of Leaf. See Majfort and Gandwi.

Lithingg of Gold or Silver, is only the Leaf ufed in

Lithings of Gold or Silver, is only the Lead uled in purifying Copper. See Lithings. Red Lead calcined, afted by Painners, Puries, and Phylicians. See Minims. By help of Chymifry there are also drawn from Lead, Sale, Balfams, Olls, Vinegar, a Magistery, 25c. dif-guiced under the Name of Samen, to amule the Ignorum. guices ander the Names of Saturn, to amule the Ignorian.

Salt or Sugar of Lead, or Sackerium Saturni, is an effential Salt of Vinogar, incorporated with the Proper Sal

Finance of Lead, diffiched in the Spirit of Vinogar. Balim

of Lead, or Saturn, is an Oil drawn from the Salt of Lead

by Diffillation, after having disholved in Spirit of Tur
pennine. Magiltery of Lead is the Calts of Lead partified

and furbillized, which is made of Lead dishoved in Spirit fortis, pouring a filtrated Salt-water into it; whence re-fults a Magnitery extremely white, which, when fortened by feveral Lotions, is mixed with Pomatums for the Face

by revertances,
and Complexion.

Mask Load, a kind of Mineral Stone, of a black Colour, but filvered, and Rinings, found in Leaf Mines, and appearing to be nothing elfo but Load not yet arrived at Maturity; nuch fold for Foncile or Crayons for defiguing. This melted like the common Load.

"The melted like the common Load."

Mr. Glanvil observes, that the Smoke of the Leud-Works in Somerfershire is a prodigious Annoyance, and subselfs both the Workmen, and the Cattel that graze about them, to a mortal Difeafe. The Trees that grow near them have their Tops burnt, and their Leaves and Out-

fides discoloured and scorched-

When the Lead-Ore is dug out, they beat it fmall, the wash it clean in a running Stream, and fift it in Iron Rud-ders. Their Hearth or Furnace is made of Clay or Fireftone; this they fet in the Ground, and on it build their Fire, which they light with Charcoal, continuing it with young Oaken Gads, blown with Bellows, by Menstreading on them. After the Fire is lighted, and the Fire-Place hot, they throw their Lead-Ore on the Wood, which melts down into the Furnace, and then with an Iron Ladle they take it out, and upon Sand cast it into what Form they

pleate.
The Mine-Men formetimes find the Vois run up into
the Roots of Trees, and yet don't observe any Difference
between those and other Trees. When the Mine is near
the Surface, the Graf's is formetimes found yellow. They make no account of the Virgula Devinatoria; yet fay, that

when a Mine is open, they may guess by it how far the Vein will lead. The Ore runs tometimes in a Vein, fome-Vein will lead. The Ore runs lometimes in a Vein, fome-times differfed in Banks; it lies many times between Rocks; fome of it is harder, others milder; fometimes they have brunched Ore in the Spar; about the Ore is Spar and Chalk, and another Subitance, which they call

LEAF, LEAVES, part of a Plant, ordinarily very thin and flat, growing in the Spring, and falling off in Au-tumn. There are some Plants without Leaves, as Truffles and Mushrooms. As to the Structure of Leaves, Dr. Grew observes, that their Fibres never stand on the Stalk in an obferers, that their Fibres urver fluid on the Stilk in an even Line, but they's in an angular or cristal Follars, and their vacious Fibres of Farcads are 1,5,07. The many control of the control bit in the Fibres of Lexus, in their underly Boilton, fo are to take in an olithy part of a Cincle, as in Midlows; in forms a routh, but in most a twelfth. The farce Author observes far beveral Parts intended by Nauter for the Per-oderres far beveral Parts intended by Nauter for the Per-duction of the control of the control of Lexus, though the court them. The Skin or Coast of the Lexus; is no more than that of the of Loren, Jhooda, and Mandings that cover them. The Skin or Coast of the Lorent is no more than that of the Branches exceeded, as Gold, by bearing, is reduced in-tervo, and foundations freward Hins, floweshest after the manner of a Fan. If the Loren be not shift to plain them to the state of the state of the state of the manner of a Fan. If the Loren be not shift to plain them to the state of the state of the state of the Henry or if they be not final Is Assamler, and their Fibres no delicate, influed of being plained, they are Fibres to delicate, influed of being plained, they are the Mountain Couldy, which are thick; or two Rolls, which belop at each Karreniy of the Lorf, and meet in the Rolls, as Fen j. Everal, Lorens are covered with three Rolls, as Fem ; feveral Leaves are covered with

Hair of feveral Figures, those of Lavender and Olive-Tree have Hair refembling Stars. Botanifts confider the Leaves of Plants, with regard to their Structure, to their Surface, Figure, Confidence, their Edges, Situation, and Size. With regard to their Structure, Leaves are either fingle, as those of the Apple-Tree, Pear-Tree, &c. or double, as those of Angelico, Parsley, &c. With regard to their Surface, Leaves are Parliey, &c. With regard to their Surface, Leaves are cither flat, as the Nummularia, Afarum, Organy, Androfermum, Brionia Canadenfas, &c. or hollow, as those of the Choice and Afphadel ; or in Bunches, as foveral kinds of Kali, Salicot, and Houle-Lecks. With regard to their Confidence, Leavest are either thin and fine, as those of the confidence, Leavest are either thin and fine, as those of the confidence of Leavest are either thin and fine, as those of the confidence of th or beils, 'salleofs, and Ireal-elects. With regard to of Sci. Subset Wern, and Dog's Grafts; or thick and groft, as blocked Porculats; or fifthy, as those of leveral bands with the subset of the subset of the subset of Sci. Subset Wern Edges, Levera ex either our flights), as fome Species of Genun, and Cannabit Latera; or an extensive subset of the s

ing of the Leaves or the reower with those or an even on the Plant, the former are called Feetal, from a Greek Word which the Botsnifts have adopted into their Lesis Deferiptions, when they freak of the Leaves of Flowers. The Leaves of Plants they call Islan, and those of the

Flowers Petala. Sec Petalina

Leaves in Architecture, an Ornament in the Covinthian Capital, and thence borrowed into the Composite; confitting in the Representation of a double Row of Leaves covering the Vasc, Tympanum, or Neck of the Column. These Leaves are usually made in imitation of those of the

Thefe Leave are usually made in initiation of thefe of the Acanthai, fornitines of thefe of Ulive, and fornetimes of Laurel. The Leave are divided, each making three leaves are the contraction of the contraction of their Heighs. SecOppald, Acanthas, &c., one third of their Heighs. SecOppald, Acanthas, &c., in the contraction of the Medical Contraction of Contraction of the Contraction of Medical Contraction of the Contraction of the Contraction of southern of the Contraction of the C

A Sea League is 3000 Geometrical Paces, or three Eng-life Miles; the large Leagues of France, are usually 3000, and in some Places 3500 Paces; the mean or common Lasgue is 2400 Paces, and the little League 2000. Chorier observes, that the antient Gardish Leagues were but 1500 Paces. The Spanish Leagues are larger than the Beneb, 17 Spanish
Leagues

Leagues make a Degree or ao French Leagues, or 69 ½ Eng-lijk Statuce Miles. The Leagues of Germany and Hellands contain four Grographical Miles each. The Perfect Leagues are nearly the fame with the Spenish, that is, they are equivalent to four Italian Milles; which comes pretty see our course me same worn the Spanish sharis, they are copulated to the Include Merica Merica West Course Include All Spanish Course (Spanish Course) antient Newfare among the Perform, comaining thirty States, eight wherea, exceeding to Spanish Merica Spanish Course (Spanish Course), exceeding to Spanish Course (Spanish Course), exceeding to Spanish Course (Spanish Course), exceeding the Spanish

by white Stones.

LEAGUE, an Union or Confederacy between Princes and States for their mutual Aid, either in attacking forme common Enemy, or in defending themselves. There have been feveral holy League entered into by the Christian and the control of the contr have been feveral holy Logues entered into by the Chri-llians againful the Serverse and Infolia, fonctions allow lines againful the Serverse and Infolia, fonctions allow for that famous one on four in Framer, from the King 1196, to 1352. In Interest was represent the Seconfine of En-pty of the Seconfine of English Seconfine of English per an English Seconfine of English Seconfine of English Interest the English of Seconfine of English Seconfine Come of Frame to the King of Spain, or the Infanta his tripation of Calvinian, without any Mentanion of the Co-veningent. The Word comes from Figs. which, in the extension of the English Seconfine of English

ans tigatur.

LEAKAGE, is a Loaking or Leak in a Veffel, through which the Liquor runs out: Alfo an Allowance made to a Merchant in Liquid Goods of 1s.1. per cent. Alfo an Allowance of Brewers of a in 2a Barrels of Ale, and 3 in 23 Barrels of Becr.

as Barrels of Beer.

LEAP YEAR, or Biffextile, is every fourth Year, fo called from its leeping a Day more that Year than in a Common Year, for in the Common Year say fixed Day of the Month changeth fucedirely the Day of the Week, but in the Lapp-Year is fixed relapover one Day. The Common Year hath 5ct Days in it, but the Leap-Zear 16 Days, and then Telensys had by Days, which, in the Common Year hath 5ct Days in It, Days of Days, and Read of Days of Days, and the Leap-Zear, this is the Ralles

Divide by 4, what's left fhall be, For Leap-Yearo, for past 1, 2, or 3.

For Example; what is the Year 1720, a Leap-Tear, or Common Year

ervation of Rent. LEASH is a Term used in the Game for three Creatures of any Kind, as a Least of Greyhounds; as a Brace

expendint wea.

LEAVEN, any thing that will make a Body (well by means of the most fabrile and penetrating of its Parts; which being agiated and divided, divide and agiated the more goofs, as we may observe in Paste, in feveral Liquous, 15c. The word comes from keasures, a teasuris, because Leenew makes the Past, 15c. rife. See Ferment.

LEAVER. See Leev.

LECTICARIUS, an Officer in the Greek Church, whofe Bufinef: it was to bear off the Bodies of thofe who diele, and to bury them. The chief of the Lefticarii was the Deacn. The Roman had two Kinds of Lefticarii different from those of the Greek, and who answered nearly to the Office of our Chairmen.

LECTISTERNIUM, a religious Ceremony among the antient Romans; it confided in a Festival prepared, and

following given in the Temple. And because, according to the Callor of these Times, they placed Beels around the Tallor of the Times, they placed Beels around the Tallor of the Tallor Judoch has abbreved from a Vallage in the Scholist of Pro-der, has the Goetz but all the Latelljersewin U.E. Lay abbreve that the first Intelligence in U.E. Lay abbreve that the first Intelligence from it Rose, on creation of a counsign Niceley than Mill of all their means, Dissay, Provide, Morray, and Nyssay, on creation of a counsign Niceley than Mill of all their memorison can before that.

1. E.F., a Term variously said at Sex, has in general L.E.F., a Term variously said at Sex, has in general L.E.F., a Term variously said at Sex, has in general L.E.F., a Term variously said at Sex, has in general L.E.F., a Term variously said at Sex, has in general L.E.F., a Term variously said at Sex, has in general L.E.F., a Term variously said at Sex, has in general L.E.F., a Term variously said at Sex, has in general L.E.F., a Term variously said at Sex, has in general L.E.F., a Term variously said at Sex, has in general L.E.F., a Term variously said at Sex, has in general to the said the said of the said that the said the said the said the said the said that the said the said the said that the said that the said the said that the said that the said that the said the said that the said that the said the said that the said the said that the said tha

Weather-flore, or under Wind. When they fay A-Lee
the Helm, they mean, put the Helm to the Lee-ward
Side of the Ship They fay alfo, take care of the Leelateb, which is a Word of Command to the Man at the Helm, Helm, to take care that the Ship do not go to the Lec-ward of her Courfe; wherefore they call a Lec-mard Ship one that is not fast by a Wind, or which doth not fail to sword of her Coarfee; wherefore they call a Lee-mood Ship most the Wood, nor make for good way of the Russil. It I say a Ship by the Lee, or to come by the Lee, is to bring her for that all her Saids may lie fair a going in her Malas son her for the said her Saids may leave a significant for the Broad-lide. The Lee may of a Ship, is the Angle mode by the Line on which the Ship floated run, according to her Coarfe, or the Point of the Compati Steened upon, of the Coarfe, or the Point of the Compati Steened upon, of the Coarfe, or the Point of the Compati Steened upon, of the Coarfe, or the Point of the Compati Steened upon, of the Coarfe, or the Point of the Compati Steened upon, of the Coarfe, or the Coarfe of the Coarfe of the Leg Soard, fomething mutil always be allowed for Lee-man Theorem 1997, which was the Coarfe of the Lee-mey The endinance Lee-may, wherefore in calling the Lee-mey The endinance Lee-may, wherefore in calling the Lee-th Lee Coarfee of the Lee-may that the Lee-may (1). If the Jame Sh hard, hast both Top-fails must be in them, and the Lee Coarfee of the Lee-may (2) and the Lee-may (2). If the Mixen, file will make her way four Finish science the Mixen, file will make her way four Finish science the make her way never the Coarfee of the Lee-may should be and the file of the Lee-may the Lee-may the Lee-may should be and the coarfee of the Coarfee of the Lee-may the Lee-may the Lee-may the Lee-may the coarfee of the Lee-may the Lee-may the Lee-may the Lee-may the coarfee of the Lee-may the Lee-ma

ywo Points before the Beam. LEES, the graftest and thickest Parts of Winc, Oil, and other Liquors; or the Sediment found at bottom of the Veffel. A kind of gravelly Sand is made with the Leer of Wine burnt and prepared, used by Dyers, Eff. which ought to find as a Caution to People troubled with the Stone, Eff. The Word comes from the French with the Stone, Eff. The Word comes from the French Captago and the citient from Liman Mod, or from Lyaev one Points before the Beam Lee, and that either from Louise block, or trom Lyou one of the Sumanies of Barches; or executing to Du Came, from Lia, a corrupt Lain Word fignifying the fame thing. The Vinegat-Makers make a great Trade of the Lee of Wine dried and made into Cakes, after having fqueez'd out the Romains of the Liquori Prefics.

LEET, an old Same. Word for a Law-day; from the

ufed, Prob & Legales Homines. Hence Legality is taken for the Condition of fuch 2 Man.

for the Condition of Inch a Man. LEGATE, a Prelate whom the Pope fends as Embaffa-dor to any fovereign Prince. There are three Kinds of Le-pates, via. Legare's latere, Legare de latere, and Lenate by Office, or Legari Nati. Of these the most considerable are the Legaret's latere, inch are those whom the Pope com-missions to take his Place in Councils, so called, in repart

the Pope never gives this Office to any but his greatest Favourites and Confidents, who are always at his Side, a latere: that is, to the Cardinals. He may confer Benefices without Mandate, legitimate Baffards to hold Offices, and has a Crofs carried before him as the Enfign of his Authority. The Legates de latere, are those who are not Cardinals, but are yet intrufted with an Apostolical Legation. Legat by Office are those who have not any particular Legation given them, but who by virtue of their Dignity and Place given them, but who by virtue or their Dignity and Place in the Church become Legate. Such are the Archbifungs of Rheims and Aries. But the Authority of these Legate is much infectior to that of the Legate is alarer. The Power of a Legate is founcitine given without the Title. Some of the Aunito's are invetted with it.

of the Nunrio's are invertical with it.

The Term Legate comes from that of Legatas, which
Fare derives from legate to challe, and others from Agare, delayers, to fend, delegates. So #liepapeline
LEGATORY, a Term tied in Speaking the Government of the authent Research
Provinces of the Empire into the Speaking with the Gofreight of the Company of the Company and Proficial, Alguny (Gregorous, Insurance) the Empire

The Company of the Company of the Company of the Company

The Company of the Company of the Company of the Company

The Company of the C rer himfelf was Governour, but where he did not refide, but adminitred Affairs by his Lieutenant or Legatst.

LEGATUS, or LEGAT, among the Romans, was

and officer of Difficults, who commanded under the size of Green of Difficults, who commanded under the size of Iealing Officer. Of their three were two Kind, was, or Iealing Officer. Of their three were two Kind, was, or Iealing Officer, or Iealing Officer, or Iealing Officer, or Iealing Officer, and at Largeria that Protected of Governor. When any confident who may of the Protect, the Scane age which the Title of Legistry, that is, of Eavey from the Senson, so the that the Circa and Towns that which he ravefuled major distribution of the Commanded Commanded

and the forces as we incombed with any Trail, and night by its data a from an be plented.

LGEND, was originally a Book sted in the old Reread the containing the Letton better of the old Reread the containing the Letton better of Saints and
the Chardes, containing the Letton better of Saints and
the Chardes, containing the Chardes of Saints and
the Chardes were to be read out of from at Mattin, and in the Refertories of the Religional Houtes. The Goalines of Chapters
were to be read out of them at Mattin, and in the Refertories of the Religional Houtes. The Chardes of Saints
and the Religional Houtes. The Chardes of the Reserger, View General of the Deminious, and attenuated
Archibithop of Green, who did in 1976, which it maintion the Chardes who did in 1976, which it maintion the Chardes of the Chardes of the Religional
than the Chardes of the Chardes of the Religion rained for 200 lears; but, in the Romanifit themfelves are and romantic Accounts, that the Romanifit themfelves are now generally ashamed of it.

now generally alhamed of it. The Word Legend it felf is on that account come into different.

Legend is affo used to fignify the Words or Letters en-graven about the Edges, Sec. of Coins. Thus the Legend of a French Crown, is, six rewest Dominis Beneditions that the Modder, the Swam person and on the fact that

of a French Crown, is, sit never Dunish Development of a Period Crown, is, sit never Dunish Development that of a Mesine, in hes dipre viewer and in the property of the prope to reprefent their Virtues and great Aclims: So that the to repretent them Virtues and great Aclinus; So that the Logend is to be looked on as the Soul of the Medal, and the Figures as the Body. Every Medal has two Logends, that on the Front, and that on the Reverfe. The first, the state of the Figures and the Additional Sources of the Source of the S that on the Front, and that on the Meretic. Inte first, for the generality, ferres only to dillinguish the Perfon by his Name, Titles, Ollices, Ge. the latter is intended to express his noble and virusous Semineness, his good Deeds, and the Advantages the Publish are recyl by limin his however does not hald university his recyl by his however does not hald university before find the Titles thared between both Sides, and founcious find the Titles that delivereen both Sides, and founcious the Legont. In the Relation College Place or at Jeast forthe Legond. In the Medals of Cities and Frownecs, as the Head is filledly the Genias of the Place, or at least forme Deity adored there; the Legond is the Name of the Gity, Froince, or Deity, or of both together; and the Reverte, fome Symbol of the City, & frequen-ly without a Legond; foreclines with that of one of ity Magiltrates. The Subjects of Legond are the Virtuse its Magnirates. The Subjects of Legenia are the Virtues of Princes, the Honours they have received, Confectations, fignal Events, public Monaments, Deities, public Vows,

Privileges, & Legends and Inferiptions of Medals, are either in Latin Greek. The Greek Character, confifting of Majufculo or Greek. The Greek Characters, comming of Mayulcule or Capital Letters, appears uniform on all the Medals, no Change or Altereation appearing in confronting the feveral Characters, tho 'ris certain there was in the ordinary Ufe

All we observe on Medals, is sometimes a Mixture of Greek and Latin Letters. The Character was preferred in all its Beauty till the time of racter was preferred in all its Beauty till the time of Gallain. From the time of Confinations, and for the Space of 500 years, the Latin Tonque alone was used in the Legends of Medals, even in those track at Confinitions Medheat begun the first, whose Legend was in Greek, and from his Time the Language, as well as the Characters, beans no alex for the work.

from his Time the Language, as well as the Characters, began realizer for her weller, linear to Bedy of Forces, where of the Men and the Bedy of Forces, where of the Bedy of Forces, whereof the Benny Armins were compeled. The Num-ber of Soldiers and Officers whereof the Legist conflict, was different at different Times. But he proposed the term of the Characters of the land of Hundred Zapins, or Knights: The Cower of Battel. Each Body conflicted of the Characters of Manipules, nauged at force diffuses from each other, forces to command it, celled Tolson, and each Missipher forces to command it, celled Tolson, and each Missipher forces to command it, celled Tolson, and each Missipher two m fice same from. Each Douth had two General Off-fects to commandit, called Tribmes, and each Manipale two Centurions. Under the Confuls the Legen conflicted of 4000 Men, who made four Bodies, commanded by a Corful or one of his Lieutenants, and each Legion had its flare of Cavalry, which was from two to three handred Horfe. Afterwards, in the time of Mains, the four Divitions of the Legen were united into one, and sug-Horfe. Afterward, in the time of Marias, thele four mercal, and Charles were appointed from five to fish bandred Miss, each under the Command of a Tribone. Each College conflict of three Companies of a Tribone. Each College conflict of three Companies of the College conflict of three Companies of the College conflict of three Colleges of the Colleg as the Minotaur in the Labyrinth. They also bore Horfe, a Boar, &c. Pliny tells us, that Marius was th first who changed all these Standards into Eagles. Th Word Legion comes from the Latin legere, to chafe ; cause when the Legions were raised, they made choice fuch of their Youth as were the most proper to bear

Arms.

LEGISLATOR, he who makes the Laws of a Kingdom, or State, which he has founded. The principal and the control of the co awas of the Contestant's Espansial of the Cristalians's Philador of the Cristalians's Ephonia and Minos of the Cretain's Pythagora of the Crotoniates, and most of the Cities of Grecia Major's Parmenides and Zeno of Elea in Lucania; Article Major's Parmenides and Zeno of Elea in Lucania; ribas, or Thareitas, of the Epicores & Zamolnis of the Gete ; Photoness of the Greeks; Bacebus of the Indians; Saturn of Indly; Macarius of the Ifte of Leibos; Zafeness of the Levians; Sixedons Abdea of the City of Masina; Elippo-donne of Miletas; Charenidas of Rhoggie; Lycurgus of the

Assumes youthern denset on the carry on soliton's slightharmony youthern denset on the carry on soliton's slightLocatemonism's youthern of Transeton a Philadisor of the
Tleakes. At Rose the People were, in great menfare,
their own Logislanes, the doken may be fall, in forms
are a long to the property of the property of the carry
and the property of the property of the carry
and the property of the property of the carry
and the property of the property of the carry
and the property of the property of the carry
and the property of the Pathern and the property of the pathern and the encourage Concubinage. In lieu of this he effablished a

way of Legisimatism by the Emperor's Letters. This ren-dered Ballards capable of attaining to Honours, and even of fucceeding to Inhoritances, provided the Persons were legisimated with the Consens of their Father and Mother;

legitimated with the Comen Law.
which is agreeable to the Canen Law.
LEGS, the lower Parts of the Bodies of Animals,
LEGS, the lower Parts of the Bodies of Animals, LEGS, the lower Parts of the Bounes of namels, ferring them for Support and for Motion. Some Anatomitls divide the Foot of Man into three Parts, we, the Thigh, the Leg, and the leffer Foot. In the Leg there are two confiderable Bones, the one called The Great Foile, or the Tibia's the other The Lattle Foile, or the

The Legrand Feet of the feveral Animals, Mr. Derham observes, are exactly conformable to the Poiture, Make, pasy to the Motion and Exercise of those Animals. In some they are made for Strength only, in others for Agili-ty and Swiftness; in some ier walking and running, in others for (winming, in others for digging, and in others for flying. In some more lax and weak for traversing the plain Land, in others stiff and rigid for lee and Precipices. In some shod with tough and hard Hoofs, some whole, fome cleft. In fome the Feet are composed of Toes, fome fhort for only going, others long to supply the Place of Hands; fome armed with Talons to catch and teartheir Prey, fome with short Nails to confirm their Steps in running and walking. In Birds the Ley are curved for their cafy Perching, Rootling, and Reft, as also to help them on the Wing in taking their Flight,

steps in relating and obtained, in latest the LEC are all to bely them on the Wing in stating their Flight, and lobel-breis com modelastly tacked up to the Body, for stating their Flight, and lobel-breis com modelastly tacked up to the Body, for stating their Flight, and the Flight, an wood Propositions, fach Lessuara as these are necessary first to be allowed 1 Teat there is no Peneration of Di-mensions; That all Matter is divisible; and the like-coulars, there is Life, 5c.

LEMNIAN EARTH, a Medicinal Afringent, used in the since class and the contract the contract of the contrac

it, whence it is call'd Terra Sigillata rt, whence the can in terra organiza.

LEMON ADE, a Drink prepared of Water, Sugar, and
Citrons or Lemens. This fulfitious Liquer is to popular in
Paris, that it has given its Name to a new offablish'd
Company, call'd Lemonaders.

Pain, that it has given it? Same to a new extantine LEMURES, Springs, Hologolius; Refliefs Ghodis of departed Perfons, who return to rottness the Livings, Their are the fame with the Larnes, which the Antiques imagined to wander round the Well, and the Larnes imagined to wander round the Well, and the Larnes with the Larnes with the Larnes was the Larnes with the Larnes with the Larnes was the Larnes with the Larnes was the Larnes with the Larnes was the Larnes was the Larnes with the Larnes was the Larnes when Larnes was the thus: The Soul of Man released from the Bande of the Body, and freed timen performing his bodily Fuschizus, Body, and freed timen performing his bodily Fuschizus, were. Of the fisher his body to be the second were. Of the fisher his body to be the second were the Families, were called Letter Lamburg 1 but those, who for their Crimes were condemned to wander continually post Men, and but the bad, were valgarly called Letters. An antient Commentation on Firence mentions, that the Romant tiled the Urann Letters for Romers: which last Word was formed from Remst, who was kill'd by his Brother Romalus, and who returned to Earth to terment him. But Apicies obfereves, that in the antient Lann Tongue Lemuses fignified the Soul of a Man feparated the Body by Death.

Tem title Body by Jecan.

LEMURIA, or Lemuralia, the Name of a Feast folempized at Rome on the ninth of May, to pacify the Manes of the Dead, or in honour of the Lemures. The Institution of this Feast is afcribed to Remulus, who to rid himfelf of the Phan Feelis alexibed to Remains, who to rea mineti of the rean-tons of his Brother Remay (shown he had ordered to be murdered) appearing always before him, ordained a Feal called after his Nama Remains, and Zooman. They of-fered Sactifices for three Nights registers, during which time all the Temples of the Good were finat up, nor any time all the Temples of the Good were finat up, nor any time all the Temples of the Good were finated to the mental time and the second of the second of the second time and the Temples of the Good were finated to the time all the Temples of the Good were finated to the time all the Temples of the Good were final to the con-traction of the time and time and

in this Feath, chiefly intended to exortic the Lownez, and to prevent their appearing or giving any diffurbance to the Living.

LENTITUE, in Payfe, is any fortening refolutive Remedy, that motilens the Part diffrated, and diffigures any finarp Humour collected there. Lenines, in Phatmacy, is a gentle Electuary, composed of Sena, Polypooty, &c. for

a gentle Electuary, competed or sens, rotypoory, Oct. to called in regard it purges eafily, and by refolving. LENS, in Diopricks, is any Glafs (not very thick) which either collects the Rays of Light into a Point, in which enter concers the Kays of Light into a funct, in their paffage through it, or differens them further apart, according to the Laws of Refraction. Len's have va-rious Figures; that is, are terminated by various Surfaces, rices Tigneres, shatis, are terminated by various Surfaces, from which they acquire various Names. Some are place on one field, and cowere on the other s others cowere various Names and the state of the contract terminated in any of the forementioned manners, a right Line perpendicular to the two Surfaces is call'd the Axis of the Lens. Which Axis, when both Surfaces are fpherical, passes thro both their Centres 5 but if one of 'em be plain, it falls perpendicularly upon that, and goes thro

the Centre of the claier.

For Cornez Learnt, the Laws of their Refrackine, and their Rificit despending throres, are as follows.

Rksy of Light EG cent the hist, (Fig. 1. Place Opinité) and parellel thereas, inkings on the plane Surface nous Body, safe Refraction concurs with the Asia in the Paine F 3 and if C be the Centre of the Convexity, C F will be reed. Ly thist, in the Diluxee of the Carner form the Paine F and if C be the Centre form the Carner form the Convexity, C F will be reed. Ly the Convex fourth or, in the Raiso of the Centre form the Carner form to, in the Raiso of the Carner form the Carner form to, in the Raiso of the Carner form the Carner fo

the Centre from the Cawes Surface, in the Ratio of the Keffacilion. See Referialion. Builderly appended to the luminous Body, the Ray E.G is perpendicular to AB, and therefore will past unterfacted to Ht. Thus it filted on A H B IIII parallel to the Asis; and therefore coming on AH B IIII parallel to the Asis; and therefore coming of the Levin H; seed for, a three Common and the Common and of the Levin H; seed for, a three Common and the Ratio of the Sine of the Ratio of the Sine of the refracted Angele to the Sine of the Aggle of Inclination. A will be demonstrated under

the Head Refration

the Heat Referblem. Crashino be out of a Clife Lear into Cor. I then the Rei ad therefore E L = a C L. Thus L = a C L. Thus L = a C L in the Learning of the Learning L with it at the diffance of half the Diameter. So that if a lighted Candle be placed in the Focus of a Plans-forest Leny, hat is, in the Foliot F, diffant from the Surface of the Lens A B, by the length of the Diameter, and from the Surface of the Wave-Lens, by tall the Diameter, its Rays after Refraction will become parallel. Soc Refrails.

See Refrailion.

If the Ray K I (Fig. 2. Plate Optick) near the Axis of a 
Plane-Correct Lent, and parallel therete, firike on its 
convex Surface A H B, after a double Refraction it will 
meet the Axis in F; foas that H G will be to G C, and 
GE to F H in the Ratio of the Refraction.

DE TO FIT IN THE RAIDS OF the Kefrection.

For the Ray K, parallel to the Axis EG, by virtue of the first Refraction in I, will tend to the Point C, so as G H will be to GC in the Raiso of the Sine of the Angle of Inclination to the Sine of the Refracted Angle: therefore by virtue of the fecond Refraction in I., it will Usuau concar

concur with the Axis in F; fo as G D will be to E D in the Ratio of the Sine of the refracted Angle, to the Sine of the refracted Angle, to the Sine of the Angle of Inclination; (See Refrailus) So that the Semidiameter and Thicknels of the Plans-Careex Leu, with the Ratio of Refraction being given, hence arifes a Method of determining the Focus of parallel Rays first

king on the Convex Surface. For

Cor. Honce, if the Less be Glafs, FD== 2 C H—; HD.

So that if two thirds of the Thicknefs of the Less be inconfiderable (as in Practice it ufually happens) parallel Rays meet with the Axis at the Diffance of the Diameter from

meet with the Axis at the Diffusion of the Diameter from the Lean, even when they fithe so the Cource Surface, the Lean, even when the fitted on the Cource Surface, whether the plant Surface, or the course, one, be trained to a Laminary of parallel Rays is the it appears but from Experience and responsemental Calculation, that from Experience and responsemental Calculation, that Surface, than if the plane one to turn of wavenile the Surface, than if the plane one to turn of wavenile the Surface, than if the plane one to turn of wavenile the Surface, than if the plane one to turn of wavenile the Axis of the Surface, than if the Plant of the Surface, the Surface is the Surface of the Surface and the Diffusion of the Bull of the Diffusion of the Surface and Surface

vex Surface is opposed to the luminous Body. Hence, also, arises a Method of determining the Focus of parallel Rays striking on a Lens Convex on both Sides, the two Semidiameters, and the Thickness of the Lens, be

On these Principles is sounded the Structure of refrac-ting Burning-Glasses; the Sun's Light and Heat being execedingly augmented in the Focus of a Lem, whether Convex or Plano-Convex; since the Rays falling pa-Convex or Plano-Convex: fince the Rays falling pa-rallel to the Axis of the Lens, are reduced into a much narrower Compafs; fo that 'its no wooder they burn forme Bodies, melt others, and produce other extruor-dinary Phaepomena. See Barning-Glafs.

dinary Phæpomena. See Burning-Glaft.

If a luminous Body be placed in the Focus behind a

Lent, whether Plano-Convex, or Convex on both Sides; or whether equally or unequally, the Rays after Refraction become parallel.

Hence by means of a Convex-Lens, or a little Glafs Bubble full of Water, a very intenfe Light may be pro-iected to a vast Diffance. See Mirror.

jected to a vali Diffance. See Mirror.

And this furnishes us with the Structure of a Lamp or Lanthorn, to project an intense Light to any immense Di-france: For a Lens convex on both Sides, being placed opposite to a Concave Mirror; if in the common Focus of both be placed a lighted Candle, or Wick, the Rays reflected back from the Mirror to the Lent, will be paral-lel to each other; and after Refraction will converge, let to each other; and after Refraction will converge, till they arrive at the Ditaton of the Some distances, after which they will again diverge. But the Candle being likewise in the Peace of the Leven, the Reys it thereon a likewise in the Peace of the Leven, the Reys it thereon a first the Reys it thereon a result intended to the Reys it thereon a training the Reys is the Reys it the to discover remote Objects, and are used with Success by Fowlers and Fishermen, to gather their Prey together, in order to take them.

If it be required to have the Light at the fame time transmitted to feveral Places, as through feveral Streets, &s. the Number of Lemi's and Mirrors are to be encreased.

If the luminous Body placed in the Focus, be of a large

If the laminous Body placed in the Focus, beed a large execut, the Rays flowing from Plaint feefibly diffiant Factor of the Rays flowing from Plaint feefibly diffiant feweral Trains or Peccils of Rays parallel to each other. The Images of Oblects opposed in any manner to a Convex-Zem, are calibrated, invertedly, in its Fass, feefilly in a dark floom) at the dilatance of its Fasse, the Images of Objects thining apon it, will be repreferred difficely, and in their susuars Dolouve thereon. Now is the Focus of the Sun's Rays any thing elfe, in effect, but the Image of the Sun. Hence in Solar Eclipfes, the Sun's Image, eclipfed as it is, may be burnt by a large Less on

Hence also, if a convex-Loss of any kind, be exposed both to nearer and remoter Objects, and a Paper at the of the care and the control of the Focus from the Convexity, may be control of the Convexity, may be

determined.

If a Coccave-Mirror be so placed, as that an inverted Image formed by Refraction thro' a Less, be found between the Centre and the Focus, or even beyond the Centre; it will again be inverted by Reflexion, and so appear creet in the first Case beyond the Centre, and in the lat-

ter between the Centre and the Focus. Or ciples is built the Camera Olfeara; which fee. On these Prin-The Diameter of the Image of an Object delineated beyond a Convex-Lens, is to the Object it felf in a Ratio of the Distance of the Image, to that of the Object.

Since then the Image of a remoter Object, is lefs di

frant from the Lens, than that of the nearer, the Image of the more remote, will be lefs than that of the nearer. And because the Distance of the Image from the Lens is And because the Distance of the Image from the Levis to agreener, if the Levis be a Segment of a greater Sphere, than of a left is bonce the linage will be greater in the former Cafe than in the latter. The Image therefore will be of fuch a Magnitude, as it would be of, were the Object to fline into a dark Room thro's little Hole apon Wall, at the fame Diffance from the Hole, at which he Focus is from the Lem. When an Object is less the Focus is from the Lens. the Focus is from the Lent. When an Object is left diffunt from a Lent than the Focus of parallel Rays, the Diffance of the Image is greater than that of the Object, otherwise the Diffance of the Image is left than that of the Object; in the former Cafe, therefore, the Image is

the Object; in the former Cale, therefore, the Image is greater than the Object, in the latter, lefs.

If the Images be made greater than the Objects, they will not appear diffinelly; because in that Case there are fower Rays which meet after Refraction in the same Point; whence it happens that Rays proceeding from dif-ferent Points of an Object, terminate in the fame Point of an Image, which is the cause of Consuston. Hence it apan image, which is the caute or Continuon. Hence if ap-pears that the fame Aperture of a Lens mayn't be ad-mitted in every Cafe, if we would keep off the Rays which produce Confusion. However, hot'the image is then most diffined, when no Rays are admitted but those most than the continuous and the continuous continuous continuous and the than the continuous c moil diffunct, when no Kays are admitted but thole near the Axis, yet for want of Kays the Image is a probe dim. If the Eye be placed in the Focus of a Contex-Lens, an Object view d throi 1s, appears creck and enlarged, in a Ratio of the Dis Inton the Len, if it be near; but infinitely, if remote. See Merelope's fee also Prijes.

Tor Concerc-Lens', their Lews are as follow.

If parallel Rays ftrike on a plane-Concave-Lens K L, and F C be to F B in the Ratio of the Refraction, the

and  $\hat{\mathbf{f}}$  Cb to  $0^{\circ}$  E in the Ratio of the Refraction, the Ray will diverge from the Axis, and the Point of Direct, goary, or Difference, call'd the virtual Fucus, will be  $\mathbf{f}$ .  $(F_0, \mathbf{g}, \mathbf{f})$  Ratio of points). For the Ray H I, parallel to the Axis, is perpendicular to K L, and will therefore pass unterfracted to  $\mathbf{E}$ . Wherefore F C being to F B in the Ratio of Refraction, F will be the virtual Fucus. Rec. April 261,  $\mathbf{e}$ . the virtual Foundation of the Levi the Clark, F Bases B G i.  $\mathbf{e}$ . The virtual Foundation of the Parallel Ratio Rec. (See April 261,  $\mathbf{e}$ . the virtual Foundation of the Parallel Ratio Ra

of the Diameter 2 B C. If the Refraction be in Water F Bam 3 C B 5 i. e. the virtual Focus F will be diftant from the Lem K L a Dia-

meter and an half a B C If the Ray AE, parallel to the Axis FP, ftrike on a Lens Concave on both fides; and both FC be to FB, and IP to PH in the Ratio of Refraction; and FP;

and IP to I'H in the Katto of Kefraction: and IP I; I'H :: FB : BG : G will be the Point of Differefion, or the virtual Focus. (Fig. 4. Plate Optick!) If therefore the Kefraction be in a Glaff Lens, the Sums of the Semi-diameters GB and H1, will be to the Diameter of the Concavity of other 2 H1, as the Semi-

diameter of the other C B, to the Diffance of the virtual Focus from the Less B G. Hence the Sun's Rays striking on a Concave Less, their Light after Refraction will be confiderably weakened; fo that the Effect of Concave-Lens's is opposite to that of

convex ones

coavec one.

Lelly An Objekt view'd thro' a Canere Len, appears
creed, and diminified in a Ratio compounded of the
collection of the West of the Canere Len,
appears
creed, and diminified in a Ratio compounded of the
collection, and the Point to which a noblique Ray usually
pais without Refindion, to the Space in the Axis between
the Eye and the Bladle of the Objekt's and the Space in
Eye and the Bladle of the Objekt's and the Space in
the Space between the Middle of the Objekt's and the
Point, the oblique Ray would pai to swittone Refindion.
The 'interpretate of Lent' have been here confidenced
and parallel threesing yet the Rendering will be easily
transferred to Rays remoter from the Axis, and Elling in
any Direction. Thus we may Gy wirefully, that in a
my Direction. Thus we may Gy wirefully, that in a
my Direction. Thus we may Gy wirefully, that in a
my Direction. Thus we may Gy wirefully, that in a
my Direction. Thus we may Gy wirefully, that in a
few and the Canere Canere Canere Canere in a Focus is that diverging. Rays either become
left diverging, or ma parallel, or coverage; and that conveys less diverging, or run parallel, or converge; and that con-

verging Rays converge the more: All which Alterations are more fenfible in oblique Rays, than in perpendicular ones, by reason the Angles of Incidence in that Case are greater. In Concave Lens's all parallel Rays become diverging diverging Rays diverge more; converging Rays either converge lefs, or become parallel, or go out diverging; all which things hold of oblique as well as direct Rays,

but more fenfibly in the first.

A Leni, one of whose Surfaces is Convex, and the other Concave, is called a Mension; the Properties of which fee under Maiglan. See alia but Teemy of Leni', down-firsted under Refratina, and the Application thereof ander Astrogency, Telejope, Barning-Galfi, Jean, &C.
Some confine Lini's within the Diameter of five or six

Some centies, Lew's within the Diameter of five of the Lines, and will have fach as exceed that Diameter, call'el Lenticular Glaffes. Lew's are dittinguistiff with regard Lenticular Glaffes. Lew's are dittinguistiff with regard the little Glaffest on the Common than the Lamp or Taper; (fee Merrigory) but the Figure of thefe is feldom reastly befider that the Simke of the Lamp or taper (fee Merrigory) but the Figure of the fee is feldom reastly befider that the Simke of the Lamp or taper with the Simke of the Lamp or taper with the Simke of the Lamp of the Common than or turned and polish'd in the Lathe, in little Copper Ba-fons or Difhea. The Secret is now found of making the se

exquiftely small, so as some of 'em don't exceed in Dia-meter the fixth part of a Line, which are found to mag-nity Objects several Millions of times.

miy Objects everal Millions of times.

The Manner of praising Lan't A limb Free of Copper in termentation the Rad of the Arbor of a Lathe, and nared, recognized. These of before of the Limberton of the Law copping. The property of the Law copper of the Law copping the Law copper of the Law copping to the Law copping seming it in the Birling, with fine wet Sand, or Free State (See Jaiger). The Tree Genome the Jetter repeated first, the Birling of the State State of the State S

aminut 56.

According to St. Torum, St. Ling, St. Angulius, and others, Low must have been intinated by the Apollex. According to the St. Low must have been intinated by the Apollex received in the American general control of the C thusaits, who durft undertake to ape the nursice of je-fus Chrift, as in effect it appears to have been from a Paf-fage of Irenens, quoted by Enjetins. Some will have it to have been first introduced by Pope Telefiphorus, in the IId Century; others, who own that there was a kind of Abdii-nence observed in the antient Church before Enjer, yet contend that it was voluntary, and was never enjoined by

contend that it was volentary, and was never enjoined by any Law till the IIId Century.

There was fome Difference between the Praffice of the Greek and the Laim Church as to the Buffers of Leve 1, the Greek's beginning it a Week footer, but at the fame time allowing more Days of Intermillion than the Laim: \*\* the fame the Laim of the Company of the

added a fifth, which they call The Repemance of Ninevch 3 and the Maronires a fixth, call'd The Exaltation of the Holy Cross. By the 8th Canon of the Council, 'tis ordam'd, That if any Persons, without evident Necessity, ear Flesh in Less, they shall be deprived the Use of it all the rest of the Year.

of the Year. The forty Days in Lens, for force, are observed in reThe forty Days in Lens, for force, are observed in the World was
drowned; others the forty Days wherein the World was
drowned; other there; of the forty Days inflowed howworld for Repensance; the forty Stripe by which Malefacread the receiving of the forty Days finled by Marforst the receiving of the forty Days finled by Sales; or the forty Days finled by an Savinor.

LENTIGO, a freely or formy Registor expende
of Child bearing. Author, dissipant the Zerpton under
forced kinds.

feveral Rinds.

LENTIL, the Name of a Weight among the old Re-mans. It was the handred and eighth Part of a Drachm.

A Lewil and as half made a Grain. The Word is a Di-minutive of Lens.

A Lordi and an half under Grein. The Word is a Dimatrice of Zon.

The Word of Thee of the fine Nome
and the Word of Thee of the fine Nome
of fome Ufe in Phylic 1 its attringent and entriting, and
mach wide for Techni-Pick. It continues kind of Gons
and the reduces Pich, much like Maile, or perhaps
of the Pick of the North Reduces of the Capetine
to with the Samitor, but his more of the Tarperine in
LEO, Lem, de Hift of the twelve Signs of the Zodick. This the Alfradogen accounts but dry Sign, and
before the Samitor. The Antenna green is 3 Stars, the
two whereof are of the first Magnatus, two of the fecution of the Capetine Samitor of the Samitor
to Word of the Capetine Samitor, the Samitor
LEO, Martin, the Name of a Paul of Sacrifice Coltion of the Capetine Samitor of the Samitor
LEO, Martin, the Name of a Paul of Sacrifice Coltion of the Capetine Samitor of the Samitor
Levis, in capetine the Samitor
were called Lorance, and the Pricits who officiated at
them Loran, in capet they reperfected the San ander
more for Paul the Paul of the Capetine Samitor
were called Lorance, and the Pricits who officiated at
them Loran, in capet they reperfected the San ander
more for Paul the Paul Capetine Samitor
were called Lorance, and the Pricits who officiated at
them Loran, in capet they reperfected the San ander
were called Lorance, and the Pricits who officiated at
them Loran, in capet they reperfected the San ander
Loran in capet they reperfect the San ander
Loran in capet they reperfect the San and the
Loran in capet they reperfect the San and the
All the Samitor of the San and the San and San and
All the San and the San and the San and San and San and
All the San and the San and the San and San and San and
All the San and San and San and San and
All the San and San and San and San and
All the San and San and San and San and
All the San and San and San and San and
All the San and San and
All the San and San and
All and give instances where the Period was not above and Days. The Ceremony was formetimes also call'd Midwia-ce, Mithra being the Name of the Sun among the antient Perfant. There was always a Man facrificed at thefe Feath ull the time of Hadrian, who problined it by a Law. Commodas introduced the Castom afresh, after whose

Law. Commonder introduced the Cantonn and the con-time it was again exploded.

LEONTINE, in Petry, a kind of Verfes which thyme at every Henrifite, the middle always chiming to the end of which kind we find feveral antient Hymns, Epi-nesis of which kind we find feveral antient Hymns, Epiims, Prophecies, &c. For inflance, Moretses speaking the Poetry of Lorenzo Gambara of Bresso, says,

Brixia, veftratis merdofa Volumina Vatis, Non fant nofinates tergere digna Nates. The following one is from the School of Salerma;

Ut Vites Ponam de ponbus incipe Conam The Origin of the Word is fomewhat obsence, Pasquier de-Inc. wign of the Word is tomewhat oblicine, Palguier de-rives it from one Leonisms, or Leonism, who excelled in this way, and dedicated feveral Pieces to Pope. Mexander III. Others derive it from Pope Leo, and others from the Name of Liew, as being the loftiert of all Verfes. M. Eincher makes the Leouine Rhyme the fame with what the french call The Rich, and we The Double Rhyme; i.e. where two Syllables have the fame Orthography, Accen-

nation, and Pronunciation with two others.

LE ROY LE VEUT. By these Words the Royal Astensis signified by the Clerk of the Parliament to public Bills 3 to private Bills this Affentis expressed by first convent is 40 Defendent.

ic Bulls 3 to pervare Dulls und state of the Cords to a Bill, are connected of Deferd.

LE ROY S'ADVISERA. By these Words to a Bill, rescinted to the King by his Patliament, are understood in the Bill in a more eivil way; and the Bill in a more eivil way; and the Bill of the Bill in a more dependent of the Bill of th

the Bill thereby becomes wholly null and word.

LEPIDOIDES, in Anatomy, the Name of the fealy
Suture of the Cranium, from the Greek Assis, Scale, and

Source or the Carangian, from the care army of the General Reference of the Carticle or Surface of the Skin, arting, as most other cutancess Differies of, from thin full Humonra, thrown off from the Blood, and arrefted by the Denfity and Closeness of the Carticle. This Difference has been considered on the Carticle. This Difference has been much more frequent in former Times than at prefent, and much more in the hot Countries of the East, particularly among the Jews, than among us; for the Salts which,

by the Appointment of Nature, are to be climinated thro's the Pores of the Skin, along with the recrementitious Se-rum, their proper Vehicle, are, in bot Countries, con-veyed in greater plenty to the Sarface of the Body, than in these Northern Regions they ordinarily are; and flickin their Novierw Regions they ordinarily are; son diteliging in their Malleg in the third dy Rieberbare of its
away from them. It was a supplied to the same of the
away from them by infendible Evaperation, and leave
them there to corrobo and feet; tail at length, strothe Quantity of gatheted, the Henburson Leave
the Control of the Control of the Control
away in a the Britisharit proceeding merely from the
away in a the Britisharit proceeding merely from the
away in a the Britisharit proceeding merely from the
away in the State of the Control
away in t quency among that People. that People.
on was another Species of the Diffemper,

query among that People.

The Manager of the Difference of their Humility, are not for clitic, and left definition of their Humility, are not for clitic, and Salts, with their Childe, cowaling fatter than they can be evaporated thro' the Fores of the Skin (being till it also also also considered and cut not considered and cut not can be composed to the Difference of the Skin (being till it also considered and cut not can be composed that the Difference of the Skin (being till it also considered deeper, and cut not causific corrolled deeper, and cut not cause of the Skin (being till it also considered deeper, and cut not cause of the Skin (being till it also considered deeper, and cut not cause of the Skin (being till it also considered deeper, and cut not cause of the Skin (being till it also considered deeper, and cut not cause of the Skin (being till it also considered deeper, and cut not cause of the Skin (being till it also considered deeper, and cut not cause of the Skin (being till it also considered deeper, and cut not cause of the Skin (being till it also considered deeper, and cut not cause of the Skin (being till it also considered deeper, and cut not cause of the Skin (being till it also considered deeper, and cut not cause of the Skin (being till it also considered deeper, and the Difference of the Skin (being till it also considered deeper, and the Difference of the Skin (being till it also considered deeper, and the Difference of the Skin (being till it also considered deeper, and the Difference of the Skin (being till it also considered deeper, and the Difference of the Skin (being till it also considered deeper, and the Difference of the Skin (being till it also considered deeper, and the Difference of the Skin (being till it also considered deeper, and the Difference of the Skin (being till it also considered deeper, and the Difference of the Skin (bein Jimor, and 10 more caudic) corrode deeper, and car only the Cautiel, but the exerctory Veffici, and Sarface of the Skin infelf, which thereby Ipews out a Lingor formewhat thicker than ufual; which, when the thinnest and most aqueous Farts are evaporated, are condensed into that Cruit or Scab, which is the dillinguishing Character of this Difface.

Galen defines the Lepra to be an Effution of thick dif-orderly Blood, that corrapts the whole Hahitude of the Body. Avecuma calls it in Univerful Cancer. The Greeks Body. Awsterna calls it. An Università Cuincer. The Greeks give it the Namon oi stopathories, in regard the Tatient has his Skin rough, wrinkled, and unequal, like that of an his Skin rough, wrinkled, and unequal, like that of an Belephant. The Lépa-hegliss within-lide, a long time before it appears without-fide. It was frequent in Lewage in the Xth and Xth Centuries, but feerns at preferr quine exitatic, unlets we allow the Veneral Difficult on the that with the Lépa-3 as it was the Opinion, aboth the surface of the surface of the Skin Region of the Skin Re he the fame with the Lepon; as it was the Opinion, a-mong many others, of the Gener Discript, and as has been larely realexwared to be proved by Mr. Beker, in a station, and the control of the control of the con-dition. The Symposum of the auticat Lepon, as had do can by Gales, dresen, Parasan, Egietta, Crodas, Ta-rasals, Gerdas, Peren, and others, are a follow: The than the Noeth; the Blood fall of little white thining Bedies, like Carlos of Miller, that upon filterine for parase themselves from it; the Serum is feelboar, and pipile its it does not diffusly as it of the the state of pipile its in the cost diffusly as it of the the con-plete the cost of the cost of the cost of the years of the cost of the cost of the cost of the years of the cost of the cost of the cost of the years of the cost of the cost of the cost of the years of the cost of the cost of the cost of the years of the cost of the cost of the cost of the cost of years of the cost of the cost of the cost of the cost of the years of the cost of the cost of the cost of the cost of the years of the cost of the cost of the cost of the cost of the years of the cost of the cost of the cost of the cost of the years of the cost of the years of the cost of the property of the cost of t extinct, unclusus, Rhiming, and bloared, with Irrequent hard Knobs, green at bottom, and white at rop. The Hair is flort, Hiff, and brinded, and not to be toon off without bringing away fome of the cotten Field in which it adheres; if it grows again, either on the Read or Chin, 'the slaways white. Athwart the Forehead run largo Wrinkles, or Furrows, from one Temple: to the other the Eyes red and inflamed, and thine like the food of the the Ears fwollen and red, eaten with Ulcers towards the bottom, and incompassed with little Glands; the Nose funk, because of the rotting of the Cartilago; the Tongue dry and black, swollen, ulcerated, divided with Furrows, and spotted with Grains of white; the Skin covered with Ulcers, that die and revive on each other, covered with Ulcers, that die and revive on each other, or with whith Spect or Scales like a Flish, it is rough and infemblok, and when ear, infended of Bitood, yields a fa-linefindiship, that the Wrijl, Peer, or even the large Tenden may be pierced with a Noedle, without the Vascuria feeling any Plane. It at the Nool, Fingers, Doy, peculiar to each of them anticipate that of the Patient. This added, that the Body is to he, that a firth Apple, hidd on the Handan Honr, will be dried and wrinked, headen on the Handan Honr, will be dried and wrinked, heading Fase lays, that if held Apple.

as it expores to the Sun for a Week.

Markew Paris fays, that in Ceriffendon there were fifteen
Thousand Hospitals for Lepers; but the Difease having
been discontinued for two Hundred Years, the Revenues of those Hospitals were abused, and Persons
feigned themselves kernen, to be entitled to the Provifore, which recognized them Paradiative in . fion; which occasioned their Regulation in some Coun-

tries, and their entire Suppression in others. In France they were united to the Creder of the Religious of St. J.a. saws and Mount Carnel in 654, and the Administration of them given to the Knights of that Order; in England

they have been converted to other Purpofes.

Formerly the Caufes of Lepers were committed to the
Ecclefiaftical Tribunals, and it was prohibited to profecute a Leper before a Lay-Judge, in regard they were un-der the Protection of the Church, which separated them from the rest of the People by a Ceremony still to be feen in the Rituals.

in the Kirulis.

The Lepon appeared differently in different Nations, according to the Climate and the Manner of Living; swhence it was diffinguished into feveral kinds, as the Lepon Archaelms, Lepon Greenem, See. As to the Care, that which proved reficehal in those Sanders Countries, falls among us, where the stronged Medicaments, and the most power-ful Mercuralis are necediary. Beshing is judged to be of full Mercuralis are necediary.

good Use in the Lepra. Dogs and Hares are said to be subject to this Disease. Among the Indians a white Man is despited, this passing with them for the Mark of a Le-per. The word Lepra is derived from the Greek \*\*\* of cale, Scale, in regard this Discase forms a kind of Scales on the Skin. LEPUS, the Hare, is a Southern Constellation. See Star and Confiell

LESSOR and LESSEE, are Terms of the Common Law. The Leffer is he that leafeth out Lands or Tenements to another for Term of Life, for Years, or at Will; and the Perfon to whom such a Lesse is made, is called the

and the retion to whose the first can feare be awaked; or, if awaked, remains flapid, with first the first force he awaked is or, if washed, remain lapid, withone Senfor of Memory, and perfeatly finds again into his
former Steiner. The Zahary is affeatly accompanied with
former Steiner. The Jahary is affeatly accompanied with
gentle Applexys, ariting from the fame Castes, and to be
known and kered in the finen manner. Some Applexes
to the steiner of th

fent, those Countries he divided into Hundreds or then, the Countries he united into Hundreds or 1-hings. The Hundred was a Divition, wherein were hundred Officers to fecure the Peace y the Lethe or Lathe comprehended three or four of thefe Hundreds. Let-was also the Jurisdiction or a Victoran, or a kind of Affize, held once a Year incash Village about Mehotzhoms. When

neld one a lear meach village about Mentelment, Whe-ther this was infiltrated by Effect, or no, is a Quefilion, LETTER, a Sign or Character either in Print or in Writing, by which any People have agreed to express the feveral Sounds, ufed in conveying their Thoughts to each other in Speech 1 Or a Letter may be defined, A fimple measurement of Send of the View themselves as the City other in Speechs Or a Later may be defined, A fimple uncompounded Sound of the Voice, that cannot be foll-divaded into any more fimple, and generally matical with a particular Character. It must be counted forward with a particular Character. It must be counted intelly, but ra-ther the Sign of a Sound, for the y-glaude of the Green's counce from writing, and the Linear of the Laters from firmensal, we knowledge, each fightlying former singuished of the Green's counterful finally of the analysis of the Laters from firmensal, we knowledge, each fightlying contrading marked to hand outerly finally of the analysis of the Laters of the size of the Counterful finally of the counterful finally of the counterful finally of the counterful finally of the counterful size of the Counterful finally of the counterful finally of the size of the Counterful finally of the counterful finally of the size of the Counterful finally of the counterful finally of the size of the Counterful finally of the counterful finally of the size of the Counterful finally of the counterful finally of the size of the Counterful finally of the counterful finally of the size of the Counterful finally of the counterful finally of the size of the counterful finally of the counterful finally of the size of the counterful finally of the counterful finally of the size of the counterful finally of the counterful finally of the size of the counterful finally of the size of the counterful finally of the size of the counterful finally of the counterful finally of the size of the counterful finally of the size of th is not fo properly a Letter as an Abbreviation, containing in itself as many Letter as its Power does simple Sounds. This is evident in the Latin &, and the Greek &, J. s. This is evident in the Latin S, x, and the Greek S, A, c, S. S. W. which are composed of c, c, s, s, s, s, c, r, S. O. On the contrary, a simple Sound, the expressed by several Characters, is yet to be eftermed one Letter, for the ph.

Characters, is yet to be efferented one Letter, for its, pc, and f.

Letter make the first part or Elements of Grammar's anticinate of the first part or Elements of Grammar's and firmblage of thefe make Syllables, of those Words, and of thefe Sentences. The Alphabet of overy Language conflist of a certain Number of these Letters, which ought each to have a different Sound, Figure, and Syngification. As the Difference of articulate Secunds was to express the different Ideas of the Mind, So one Letter we experted the clifferent I clear of the Mind, Is one Letter was enginally intended to figuily only one Sound, and ever, as at prefective, to experts functiones one Sound, and fome-times another 5 which Practice has brought as great edd of Confidoninos the Languages, and trader'd the learning of the modern't Grogars ministry more cliffical them is would otherwise have been. This Confidenties, together with the Powerty of all the known Alphabers, and their wast of foure Letters to experts certain Sound by, has to exclude the second of the control of the c phabet, to contain an Enumeration of all fuch fingle

## ASPECIMEN

By WILLIAM CASLON, Letter-Founder, in Chifwell-Street, LONDON.

## ABCDEFGHI ABCDEFGHIJK ABCDEFGHIJKL ABCDEFGHIKLMN

French Cannon.

Quoulque tandem abutere, Catilina, pati-Quousque tandem abutere, Catilina. patientia nostra?

Two Lines Great Primer.

Quousque tandem abutere, Catilina, patientia nostra? quamdiu nos etiam Quousque tandem abutere, Catilina, patientia nostra? quamdiu nos etiam furor

Two Lines English.

Quousque tandem abutere, Catilina, patientia nostra? quamdiu nos etiam furor ifte tuus elu-Quousque tandem abutere, Catilina, patientia nostra? quamdiu nos etiam furor

DOUBLE PICA ROMAN.

GREAT PRIMER ROMAN.

Quousque tandem abutêre, Catilina, pa-

ENGLISH ROMAN.

ENGLISH ROMAN.

Quoufque tandem sbutier, Catilina, patientia noîtra' quamdiu nos etiam furor ifte tuus cludet; quem ad finem fele effrenta jachabit audacia? nhihine te nocturnum pezefidium palatii, nhihi urbis vigilis; nihil timer populi, nhih confenfus benerum comnum, nihil bir munitifirmus ABCDEFGHIJKLMNOPQRSTVUW

Melum, novis rebus fludernem, manu fia occidit. Fuit, fuir fits quoendam in lase repub. vitrus, ut viri. Fuit, fuir fits quoendam in lase repub. vitrus, ut viri. exception for the properties of the properties o

SMALL PICA ROMAN. Not. SMALL PICA ROMAN. NOI.

satortials: Inhemes eräm hulemodi Ænaufornáltum, vera
satortials: Inhemes eräm hulemodi Ænaufornáltum, vera
romenium; que oxématofonáltum confidim interferium te
efic, Casilins, convenit. Viris: & viris non ad deponentim, fed ad confirmandam andexim. Cuplo, P. C., me
fic clementem: cupio in tantis relpub, perciuli non dáABCDEF GHI KLAMNOP QRS TYUW XYZ
ABCDEF GHI KLAMNOP QRS TYUW XYZ

ARCIDET GHIJA DERIKOTE SAN NO 1.

SMALE PICA ROMAN NO 1.

At no vigstimum jam diem gatimut bebefere acim borum autoritati. habeme enim baquismid etsentsformleham, re-rumanens includem in tubulis, tenegum gladium in vagina recondinut: que ex fantationniblo condellim interfeham te effe, Califfan, convenit. Viviz: & vivis non al deponentam, et fle, Califfan, convenit. Viviz: & vivis non al deponentam et fle, Califfan, convenit. Viviz: & vivis non al deponentam et fle, califan, convenit. Viviz: & vivis non al deponentam et fle, and the califacture of the califac

LONG PRIMER ROMAN NOI. entrope de la company de la co

Lu NO PERINE ROMAN. NO 3.

Lu NO PENIER ROMAN. NO 3.

rum ego hos, quod jampridem faftam eiis oportuir, certa de fin endem addarer ei fansa. Inm denjam intréciam te, non newo tum improben, tem predime, tum qui finalis invenier joeden newo tum improben, tem predime, tum qui finalis invenier joeden en de defineder meller, Vervei S. Wvirst, E. ut actu viris, multi is de fraim predime obleffin, no commovere se contra rempale. Em mobrem te etial moult de stress not moritottes, fine a tubus en condition and de stress not moritottes, fine a tubus en condition and tum de condition and testing and tum de condition and tum de condition and tum de condition and testing and tum de condition and tum de con

Double Pica Italick.

Quousque tandem abutere, Cati- Quousque tandem abutere, Catililina, patientia nostra? quamdiu na, patientia nostra? quamdiu nos etiam furor iste tuus eludet? nos etiam furor iste tuus eludet? quem ad finem sese effrenata jac- quem ad finem sese effrenata jac-ABCDEFGHJIKLMNOP ABCDEFGHJIKLMNO

Great Primer Italick

Quousque tandem abutére, Catilina, patienta noffra ? quamdiu nos etiam fu-ror ifte tuus eludet ? quem ad finem fe-ror ifte tuus eludet ? quem ad finem fe-fe effrentat jactabit audacia ? nibilne te effrennta jactabit audacia ? nibilne to nocturnum præfidium palatii, nibil urbis vigiliæ, nihil timor populi, nihil con-ABCDEFGHIJKLMNOPQRS ABCDEFGHIJKLMNOPQR

English Italick.

Quousque tandem abutere, Catilina, patientia no-tra è quamdiu nos etiam furer ille tuux eludet è quem ad finem spe effrencata jaëtabit audacia è mizine te nocturuum prasfidium palatii, nihil ur-bis vojeihae, nihil timer populi, mizi confenjus be-norum omnium, nihil bie munitifimus babendi fe-norum omnium, nihil bie munitifimus babendi fe-ABCDEFGHIJ KLMNOP2RSTVU

Meilum, novis rebus gludestem, mana fua ocidit.
Fest, fut ifla quendom in bea repub, virius, ut viri
erbifimom hoftom corrervat. Habemus enim frontigcerbifimom hoftom corrervat. Habemus enim frontigconfiltum in et. Catilina, vibement; Sigrave: non declrriv, cenfiltum, neque autoritat bujus ordinis: non, nos,
dec aprete, confiltu affirmat. Decrevet quandum fenatus. die aperte, confules desumus. Decrevit quondam senatus ABCDEFGHIJKLMNOP RRSTVUW XTZ Small Pica Italick. No 1.

Small Pica Italick. No 2.

Small Pica Italie. No 1.

At not vigitimum june dien gamme rhelefore acteur berum auteritatis, balewat ein beijdnood frontylegelijkun, terentamen teritatis, balewat ein beijdnood frontylegelijkun, terentamen teritatis, balewat ein beijdnood frontylegelijkun, terentalium: z gan es frontylegelijku englijkun interfettum te tije. Castiline, erne verst. Pirus: 6 view an ned deprematus, plad englymma-dam underdam. Oopies, P. C., me sfit elementen: espis in stanti vielek kervillet am utstifictum underit: del im untstiftum inertie-wisch kervillet am utstifictum under: espah, perseutis nm diffolicium videri ; fed jam meiglum inertis ABCDEFGHIJKLMNOPQRSTVUWXYZ

Dica Black.

And be it further enacted by the Authority aforefaid, Chat all and every of the faid Er-chequer Wills to be made fouth by virtue of this Ad, of many of them as hall from A B C D E F S h J is L 19 R D P D R S C

ATTA MNSAK OM IN HIMINAM YEIHNAI NAMA OEIN CIMAI OINAINASSIS OEINS VAIKOAI VIAGA OEINS SYE IN HIMINA

Pica Coptick. -ил вези эфти бевло †фа ихрато изф

ASI - TIKASI ZE NE OVA ORAV ÈPOQ NE OVOS Воко икоиф изха ихран изхао †Доотай - о - чошии пэхів чониран фот балічо

Արչակ (Ծաղաւոր՝ երկրի և ծովու, որդ անձն և պատկեր՝ որպես և է իսկ մեր Մասուծոց՝ իսկ բախա՝ և պատահումն՝ ի վեր բած դաժ Թաղաւորաց, և մեսաց բայնունի, որչափ երկեփ

المحمر الاستان والمرافقة المنافقة المن

Acender weemerner myzom werk acta enden with operate bayond compine the caron librar yes with entirel act se

English Ambiek. لا بلن لك الله آلتم غيري و، لا تاندذ لك صورة ، ولا تمثيل كلَّ مسا

ئِ السَّمَآء من فوق « وما ئِ الارض من اسفل » ولا ما ئِ الماء من تعت الارض \* لا تسجد لهنَّ \* ولا تعبدهنَّ \* فأتى انسا الربّ الاهاك الله فبور \* اجتزي ذنوب الابآء من

בראשורת ברא אלהים את השפים ואת הארץ: (הארץ הַיָּחָה תֹרוֹ וָבַרוּ וְהָשֶׁךְ עַלִּיפְנֵי ְתְרָוֹם וַרוֹחַ אֲלֹהִים מרחפרת על פני הפוס: ביאטר אלקים יהי אור ניהוראור: ברא אַלהִים אָתנהָאַוד כִּישִיב תַבְּרֶל אֲלֹהִים בְּין הָאִוּד ובֵין הַהָשֶׁך : תַּיְבָא אַלהַים לָאור יוסְיַכְּהָשֶׁךְ קְרָא לְלֵבֶׁה

בראשית, ברא אלחני את תשכים ואת הארץ: והארץ הותה תרו וברו וחשך עליפני תרובו ורוח אלחים הותה תרו וברו וחשך עליפני תרובו ורוח אלחים מראדים, עלפני היפטו ויאטר אלחים יהיו אור וחדיאור: ורא אלחים אתרהאור, כיסטב ויברל אלחם בין הארן ובין החשך: ויקרא אלחים לאור יוםולחשך קרא ללה ובין החשך: ויקרא אלחים לאור יוםולחשך קרא ללה

Πρόδους ό συβος το το στορος Επηρικι (στοκ.)

Αροί (στος ός τὸς πλοίς τος επιδείσειδει) το περί τος προί τος αξοίτες στο βροσιός και διακο με το προί τος αξοίτες στο βροσιός διακο Αλίσος διακ έγολ μέμανοματό (στο μέλα πουδιο τες δίνου αξοματος (ε τις ατό τος τος πλοίσες τος πλοίσε

Πρόδους ὁ συθρίς ὁ τοῦ στρέμεμμαϊς τοῦ ταχὰ τοῦ Ημανολίας (Υπες δι ως πλαίτως ἐπαδιστολια) ἐτως περὶ τὰς ἀρτίξε ἀπτ-Φαλοίλας, ὁδί του Μέλος, δεκε ἐγολ μέμουραις Φετὶ μοὰ Ημανολια, ἐτοὶ ἐτα πόδιο τὰ Θεν κορόπος, (ὁ 1 οἰ δια διλ ἀλλοκρότερες γράφιμου ἀλλίστη, ἔτα τὰς δί ἀρτίζε ὁδίο τρέψαδια.

Sounds or Letters as are sted in any Language. A thing of very confiderable (Us a Specience of which is given as the state of the state Early some a Captivity. With regard to watch, there are there principal Opinions: Some imagine the antient Helical Latters the same with those now in Ufe; of this Opinion are foveral Docksor of the Thalmad, Possellas, knaters, See. The second Opinion is of those who believe the Sanaritan Letters the more antient; which is now the more common Opinion, as without doubt it is the elder: more common Oplaine, as without doubt it is the older: Several Michingus and Centuris Delcher, many of the Rabbits and Entherts, Origen, Terom, Berlins, Beds, Geneband, Rombon, Heldmann, Gadigen, Holpins, Opelle, sit, Beds, Geneband, Entherts, Holmann, Gardier, Hoppins, Opelle, sit, Control of Common and Common are of this Oplaine. The things, that from the beginning there were two Chandlers, the conferred of the other profune; which is the Oplaine of Maniette, of the Oplainer, Phylid, Resser, Opensigns, &c. Browners, Phylid, Resser, Opensigns, &c. Browners, Phylid, Resser, Opensigns, &c. Browners, and two his chool Chandlers focus as more Chimms. So may the Washood Chandlers focus as more Chimms. So may the Washood Chandlers focus as more Chimms. he proves that the Leuers in the Inferiptions of those Me-

he proves that the Letters in the interprises or those such dals are the geneine original Habrero Characters. As to the first Letter, what they were, who first in-control them, and among what People they were first in ute, there is till room to doub: 3 however, ferting afthe Conjectures and Prejudice, - the Business of Anniquity features to its between the Egyptum and Chingle. Phile sur-tibutes the first Invention of Letter to Jethous 13 Jelgebas, S. Irenews; and others, to Esseb; Bibliander, to Adam; Espelemes, Eufebius, Clemens Alexandrium, Corn. Agrippa, &c. to Miles; Pomponius Mela, Herodian, Rufus, Feftus, Pliny,

The state of the s

cation with their Parts of the World, we may reasonably make another Raquiny into the Ofiginal of Latter in the lither Parts of Jin. Expps, and Emple. Here indeed the Explains from to have the bell Hills. "This more than probable from the Obeliaks, Us. that slicit Hierogly-Chieselber from the Obeliaks, Us. that slicit Hierogly-Chieselber in their Barres of writing, and the Ofiginal Chieselber in their Barres Chieselber in their Barres Chieselber in their Barres Chieselber while the Parts of World Wo made, at teast in great measure, while the lipscalest were Slaves among them, and of confequence not well quali-fied for Inventions fo very curious and judicious. Whe-ther Cadows and the Pkinichans learn Letters from the Ligapitans, or from their nearer Neighbours of Indab and rin, is a question; fince forme of the Books of the Cold Testament being written in Letters, is more likely to have given them the Hint than the Hieroglyphics of Egypt. But when or whereforever the Phanistans learns is more likely this Art, it is generally agreed, that Cadwas, the Son of

thir Att, it is generally agreed, that Cabers, the See of Agains, filt Dought Letters into Green, whence, in the following Ages, they fyread over the relt of Europe. According to Grinnia, Mode invented the Helver Let-ter, Advantage the Systee and Chelder is the Phosoister that of Adula, brought into Green by Colonia, and thence by the P tellyton into Inty S Neigrans the Letters I fifth Etyp-Radicals, who has in Advanced that the Chey of all luverations from all other Nations for the Sweder, maintain staw the Basins and Letters: before Colonis; that at the

that the Ionians had Letters before Cadmus that at the time of the Siege of Tray, the Greek had but 16 Letters, whereas the Phanicians had 21: whence he concludes, that it was not either Cadwas or the Phanicians who taught this Art to the Greeks. But in regard the antient Northern Na-tions had just 16 Letters, like the Greeks, be concludes the Greeks must either have taught them to the People of the North, or have learnt 'em of them. But because the Form and Make of the Rutis Letters is more coarse than that of the Greek Letters, he concludes that these last

LE I must be derived from the formers; taking it as a Piraciple, that tofic who derive say thing from another, politiand perfect it. He even aftern, that by the Golden Janand perfect it. He even aftern, that by the Golden Janand perfect it. He even aftern, that by the Golden Janand the Lettern in an obligate to illeal, must be undertioned the Lettern in an obligate to illeal, must be undertioned the Lettern in an obligate to illeal, must be undertook the Lettern in an obligate to the cause in the Care.

The Lettern F. G., H. K. Q. X. X. Y. Ay, were unknown or

the anisotrate Rossen, as is proved by Daypense in his OrdegaPyn, where he remest the Origin of the Internal Lettern

The Lettern F. G., H. K. Q. X. Y. Y. Ay, were unknown or

continuants; into Mates, Diple the curry into Novelat and

continuants; into Mates, Diple the Care into Golden

territorial and the Care into Gol

The Art of affembling Letters to form Words, and of combining the one and the other into a number of different Senfes, is a Secret unknown to the Chinese. Instead of the Letters of an Alphabet, they at first, like the Egyp-Solit, I, a Scoret sinceone to use configuration of the size of th changed by little and little their Manner of Writing, making it more fimple, the left-fastured. They even invented feveral Characters, to expects things that did not come within the reach of Patining to reprefent, as Voice, Smell, Thoughts, Pafficar, and a rhouland other Objects that have no Body or Figure. From feveral fample Strokes, they afterwards framed others more compound, and in this manner multiplied their Letters and Characters and in this manner multiplied their Letters and Characters to Infinity; contriving one or more for every Word. This Abundance of Letter feems the Source of that Ignorance which we find among the Chingle. Their whole Lives being feet in featuring their Letters, they have no time the letters of the contribution of the contribu There are fearer any or can that know all their Letters:
They think 'this a great progress they have made, when
after forty or fifty Years hard Study they are able to undershand fifteen or twenty thousand. But the Generality
of their learned Men come far finer of this: Father le of their learned Men come far floor of this: Father Is Congres to of spinise, that they greated Decler smoot the Congres to Periodicard. This is a predigious Isocorreaction to Periodicard the Congres to the Chong Letters, there are found now almost were one of us, and only referred not or fleeffect to Antiquise, and the Congres to the this they call the running Letter.

The Americans had no Lessers before the Difcovery of that Country by the Spaniards. The Acasmbas engrave their Memorable Events and Epocha's on Stones and Metheir Meroschile Evrois and Epochs' on Stuces and Me-stall. Their Songs fupply the reft. In Pers and Chif., to keep an Account of their Goods and Chittelt, and to pre-fere the Memory of their particular Affairs, the Indian-have recourse to certain Knott of Wood, which by the Va-riety of their Colours and Ties, ferre intiend of Chan-ters and Writing. The Knowledge of their Knott, which they call Epoins, in one of their great Sciences; but they call Epoins, in one of their great Sciences; but the Children IIII the Parkers think therefore at the coal of their documents.

of their days.

The Printers diffinguish their Letters into Capital, Ma-The remere dillinguilli their Letters into Capital, Ma-pfuelle, or Initial Letters, which ferve for the Titles of Books, proper Names, &c. And Minufuelle or Small Letters, which are again divided according to their Size, into Pearl, Nosparell, Piea, Great Canon, &c. See Type and Printing. They have all for their Hiltory or Figured Letters engraven on Wood or Metal, which take place of the Illumined Letters or the antient Manuferpus.

(446)LET

LEV

Nowered Letters, are those used by the antient Rowanz inlead of Cyphers, to express their Numbers by. These Nowered Letters are feven in number, C, D, L, L, M, V, X s which are all forms in deferibing a Gricle, and drawing two Lines thro it, crofling each other at right Angles in the Center-

Dominical Letter, fee Dominical,

Nundinal Letter, fee Nundmalia.

LETTERED, Lettrades, Litterati, an Epithet given to fuch Persons among the Chinese as are able to read and write their Language. These alone are capable of being

made Mandorin This is also the Name of a particular Scot either in Religion, Philosophy, or Politicks, confilting principally of the Learned Men of that Country among whom 'tis called Jukes, i. c. Learned. It had its Rife in the Year of Christ 14003 when the Emperor, to awaken the native Affection of the People for Knowledge, which had been quite banished by the preceding Civil Wars among em, and to fitt up Emulation among the Mandarins, choic out and to thir ap Emulation among the Mandarins, choic out forty-two of the abletla mong heir Doltors, to whom he gave a Commillion to compole a Body of Doctrine agre-able to that of the Antients, which was then become the Rule or Standard of the Learned. The Deleganes applied themfolives to the Bufue's with a world of Attention; but they feem rather to have wrefled the Doctrine of the Antients, to make it confift with theirs, than to have built up theirs to the Model of the Antients. They fpeak of the Deity as if it were no more than mere Nature; or the Deity as if it were no more than mere Nature; or the Natural Power or Virtue that produces, diffores, and preferves the feweral Parts of the Univerfe. It is, fay they, a pure, perfect Prainciple without Beginning or End; 'tis the Source of all Things, the Effence of every Be-'its the Source of all Things, the Effence of every Be-ing 3 and that which determines it to be what it is. They make God the Soal of the World, by he is diffued throughout all Matter, and produces all the Changer that happen there. In there, 'tis not eafy to determine whe-ther they refolve God into Nature, or lift up Nature into God; for they afcible to it many of those things which we attribute to God. This Doctrine, in lieu of the Idolatry that prevailed before, introduced a refin'd kind of Atheifm. then prevailed before, introduced a refind kind of Athetin. The Week being compoled by 6 many Perfons of Learning and Parts, and approved by the Large of Learning and Parts, and approved by the Large of Learning and Parts, and approved by the Large of Lar commun of the manusaness and annerents to this Doctrine. The Court, the Mandarins, and the Perfons of Fortone and Quality, &c. are generally Retainers to it; but a great part of the common People fill hold to their Worfhip of Idols. The Lineau freely tolerate the Malamesan, because they adore, with them, the King of Hea-ven and Author of Nature; but they bear a perfect Aver-sion to all other Sects of Idelaters among 'em, and it was once refolved to extirpate them. But the Diforder this would have occasion'd in the Empire, prevented it; they now content themselves with condemning them in general

now content themselves with condemning them in general at Herchies; which they do lofamily every Year at Pelon. When the second of the second

fee also Exchang

tee also Exchange.

LETTER OF LICENCE, in Trade, is an Inflrument
or Writing granted to a Man who has fail'd or broke,
figa'd and feal'd by his Oreditors which Letter afaally
gives a longer Time for Payment is othat the Debtor
having fach an Affarance, can go about his Eufinefs with-

aring an Arrest. LETTERS OF ATTORNEY, are Writings autho-

LETTERS OF ATTORNEY, are Writings suthering and theory, that is, a Man appointed to do a legal A& in our flead. As a Letter of Attamey to give Serin Clands, to receive Debts, to float a tind Pecfon, 5%.

LETTERS OF MART, are Letters under the PrivsSeal, gatacted to the King's Subjects; impowering them to take by Force of Arms, what was formerly taken from to take by force of Arms, what was tolkinely acked home shem contrary to the Law of Mars: and regards any Na-tion with whom Truce is broken. See Reprizal. LETTERS PATENTS, are Writings fealed with the

EETITENS FALENTS, are Writings feeled with the ferent Scale of England, whereby Man is authorized to do, or enjoyany thing, that otherwise of binnelf he could not. And they are to call'd by reason of their Form, because they are open, with the Scal asked, ready to be flown for the Confirmation of the Authority given by them. Common Percious and the Latter Fartant, yet to they are subtreased by the Latter Fartant, yet to difference those granted by the King are call'd Leners PaLesters Patents conclude with Telle meiplo.

tent Royal. Letter Fatent conclude with Tiff emergy.

LETTERS OF RESPITE, Letters iffsed on the plant of the Time of Time of Time of the Time of T some king of the description of the sevent Century by Pop Ur-ban II. in favour of those who went on the Cruzados. They are full in sei in France, and form other Countries: and take their Name à réference, because they give the Debres of breather at the

the Debtor a breathing while LEVANT, in Geography. the Deborg a breathing white.

LEVANT, in Geography, fignifies any Country fitaste to the Eaft of us, or the Eaftern fide of any Continent or Country, or that on which the Son rifes. In Matters of Commerce, 5%, the Word is generally reftrained to the Mediterranean Sus, or the Country on the Eaftern part of it: Hence our Trade thinker is call'd the Levant Trade, and a Wind that blows from thence out of the Streights-

and a Wind that thouse from thence out or the orteger-mouth, is call'd a Levaner Wind.

LEVANT AND COUCHANT, in Law, is when Cattel have been fo long in another Man's Ground, that they have lain down, and have rifen again to feed.

LEVARI FACIAS, a Writ directed to the Sheriff for the Levying a Sam of Money on his Land and Tene-ments who has forfeited a Recognizance.

ments who has retreate a recognizance.

LEVATOR, an Expirite which the Anasomitis give to feveral Muscles, whole Use is to raise or lift up the Parts to which they belong. There are Leoners of the Eye-Lidds, fee Anteless Palpers, of the Omoglate, see Omeglate 3 of the Anas, see Mossi 3 and of the Scapula, see

plant j. of the Anns, tee Anns 3 ma or the assepsin, we LEVEN, and Phyles, it a little white Spee on the LEUCOMA, in Phyles, it a little white Spee on the Centes of the Eye, call'd by the Lanns, Alleys. It is occasioned by a Hamoure gather'd in this Memberas, or by the Sort following a Wound, or by an Ulez: in this World is forced, and is formed from annly, astire. ILEUCOPILECOMATIA, a kind of Dougly, cherwise LEUCOPILECOMATIA, a kind of Dougly, cherwise LEUCOPILECOMATIA, a kind of Dougly, cherwise LEUCOPILECOMATIA, a kind of Dougly, cherwise Anna Petervang the Impreficie made by the Engage Tead and petervang the Impreficie made by the Engage Tead and petervang the Impreficie made by the Engage Tead and petervang the Impreficie made by the Engage Tead of the Elocal, which in the Difference of the Elocal, which in the Difference extravitated, and calls for on an aqueous Harmon extravitated, and explored to open the Parket Speech of the Elocal, which in the Difference extravitated, and gathered together in the Madeles and the Porce of which, and copying, Princie, Pière, Willey, Princie, Pière, Pière, Pière, Pière, Pière, Pière, Pière, Televin, Levella, a Mathematical Informant, ferving to draw a Ling puelle los the Heismon, to loy of Floors, the Coarts.

where, and exerging returns, ranges.

LEVEL, a Markmentical Interument, ferving to draw
a Line parallel to the Horizon, to lay off Floors, the Ganfes of Mafony, 5c. herizontally, to measure the difference of Afcent or Defects between feweral Places,
to convey Water, drain Ferns, 5c. The Wood comes
from the Latin Listella, the Crofs Beam that forms the
form the Latin Listella, the Crofs Beam that forms the Brachiz of a Balance, which to be just, must stand hori-zontally. There are feveral Inframents of different Contrivance and Matter, that have been invented for the Per-fection of Levelling; all of which, for the Practice, may be reduced to these that follow.

Water Level, which flows the horizontal Line by mea of a Surface of Water, or other Liquid; founded on the of a Sarrace of water, or other Lights ; rounded on this Principle, that Water always naturally places itself level. The most fimple is made of a long wooden Trough or Canal, whole Sides are parallel to its Bafe; fo that being Canal, whole Sides are parallel to its Bale; in that being equally fill'd with Water, the Surface thereof flows the Line of Level: this is the Charehate; of the Antients, deferribed by Firstania, Ed. S. Cana, 6. There is allo made with two Cups fitted to the two Ends of a Fipe, 3 or 4 Foot long, about an Inch in Diameter; by means whereof the Water communicates from the one to the whereof the Water communicates from the one to me other Cop; and this Fipe being moveable on its Stand, by means of a Ball and Socket, when the two Caps be-come equally full of Water, their two Surfaces mark the Line of Level. This Indirament, inflead of Caps, may be come country and the Water, their two authors make in come country, the come country and the control of the country and the co

in the Middle of the Tube, the Fine or Rolle wheeling is fixed is food. When it is not root, the Bubble will rife to one End. This Olds Tube may be fit in some of the Middle, whence the Rhoble of Hirth, waving an Apersure in the Middle, whence the Rhoble of Air may be observed. The Ligare where with the Tube is Rill, it is ordinarily either Oil of Tutur, mon Water, nor to Karchellon and Condendation as Spirit of Wine. The Invasion of this latterment is despited.

so Mr. Thereon.

\*\*Of Lend with Splin\*, is an Improvement on that list der Lend with Splin\*, is an Improvement on that list der Lend with Splin\*, is an Improvement on the list of the Common of the C

and the state of t

The do of Pendium Level. That which there we Horisonal Lie by means of nother Lie perpendicular to that defeable by in Fluntmer of Fendium. This intranses of the Lie and the Lie and the Lie and Lie

Socket, by which it is fulfered to its Foot, and is find to have been the Heavenian of M. Piezza. 
Refelling Level: That made by means of a pretty long 
Surface of Water, repreferring the fame (Object inverted, which we fee excel by the Eye 5 to that the Point where 
their two Objects appear to meet, it in Level with the 
Place where the Surface of Water is found. This is the 
Harwing of M. Morinster. There is all on earlier Leyfering 
Level, confiding of a Minror of Sreel or the He, well 
politifs, and placed a little before the Object-Olisto of a 
Object-Olisto of the 
Depth of the Object-Olisto of a 
Minror of Sreel or the Herney 
Depth of the American Street 
Depth of the Object-Olisto of a 
Minror of Sreel or the Herney 
Depth of the Object-Olisto of 
Depth of the Depth of 
Depth of Depth of 
Depth of Depth of 
Depth of 
Depth of Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Depth of 
Dep

Telefcope fulpended perpendicularly. This Mirror muft make an Angle of 4,5 Degrees with the Telefcope 3 in which Cafe the Perpendicular Line of the faul Telefcope is converted into an Horizontal; which is the fame with the Line of Level. The lovention of this is owing to Mr. Caffeit.

We have a mother Level of Nr. Inggrav's Invention, confifting of a "Leifenge a, I Plant derrogation, [77] in form of Cylinder, going through a Ferral, in which it is faitered or Cylinder, going through a Ferral, in which it is faitered once above, and the other below a state cand wherea are faited little moving Fices, which carry two Kings, and the control of the control of the control of the service of the control of the service of the control of the control of the Mater that will not cellify complate, for more sply fealanted full with Linder OII, Old of the one being spinist the way without unmark to the control of the control of the Mater that will not cellify complate, for more sply fealanterment certains were Utelchops and and very parallel to each where, the Eye-Clifd of the one being spinist the way without unmark were the control of the Object Collas of each Teleforon und a little Hair box way without unmark to the control of the control of the force he not found level when full read of the Cheen way in para our in we led along his in the cost of the force he not found level when full read of the Cheen of the control of the contr

the Agant. Majors Level, is composed of three Rules, so joined as to form an Isosceles Rectangle, Somewhet like a Konnta A; at the Vertox whereof is faitened a Thread, from which hange a Flummer; which passes over a fisheral Lane marked in the Middle of the Base, when the thing to which the Level is applied, is borisonal's but declines from the Mina, when the Thing's lower on one Side than

rount ties, water, he is nong is lower on one Saie than Corperers and Pasient Level, confills of a long Ruller, in the Middle whereof is fitted, at Right Angles, another fornewhat bigger, at the Top whereof is failtened at Line for the Right Angles, which was the Right Angles with the Bofe, flows that the fails Bafe is hereinatel. Thefe was full Levels, he'ver common, are effected the held for the Practice of Build-connect Level, for leveling Cammers Level, for leveling Cammers Level, for leveling Cammers and Mexica, and the second se

and a horizontal. These two last Loveis, how every the control of the control of

nera shat the Poinc of the Plummer may fall on the preper Degree to this what they call Verelling the Fice.

Additory for Lead, is in form of a Square, having its
whereof is a lettle follow, where some superior of the Square,
whereof is a lettle follow, where some a There and
Plummer playing on a perspendicular Line in the Middle
of the Quadrant; in infringencity divided into no Degree,
the Ends of its two Breath on the State of the State
laterament may be used so ordinary Occasions, by placing
the Ends of its two Breath on the Fixes for whom the
Thread plays perspendicularly over the middle Division of
Occasions, pick the two Dads on the Fixes of Artillery,
which you may raife to any proposed Height by means of
the Hummer, whole Thread will give the Degree above

the Platumer, whose a measure in the Level, for finding a Line parallel to the Horizon, at one or more Stations, in order to determine the Height of one Place with respect to another; for the laying off Grounds even, regulating

enter as before.

of Defeents, draining of Morattes, conducting of Waters, Get. Use Frience in lain to its mighter than another, in con-orthe Earth; and a Line capally diffiant from the Contro-orthe Earth; and a Line capally diffiant from the Contro-orthe Earth; and the Earth is conson, that Line must be a Carree, and make a part of the Earth's Greamference, or an Arch concentral with it, as the Line B CFG; Flori Sorsping, Fig. 9. all the Points whereof are capally diffiant from the Carree of the Earth A. But the Line 6 of 65/bt trom the Centre of the Earth A. But the Line of Sight which the Operation of Levels give, is a Tangent or a Right Line perpendicular to the Semi-diameter: One Extreme of which Tangent, being the Point of Con-tal, the other will be that of a Secant drawn from the Centre of the Earth; and the Point which determined it, will be above the Surface of the Earth, and of the true Level, as much as that Secant exceeds the Radius or Semi-diameter of the Earth.

This Extremity of the Tangent is faid to be in the ap-parent Level, as being that given by the Sight, but is eafily reduced to the true Level, because we know by Trigonometry, how much each Secant exceeds the Ra dius; and because by measuring we have discovered the precise Length of that Radius. It was for want of the precife Length of that Radius. It was for want of the knowledges of this, the American vers on able to verdene knowledges of this, the American vers on able to verdene prevent falling into an Errer, never levelled above as Feet at most, where fast Radicalism was not necessity. By the January of the American version of the American properties of the American version of the American January of the American version of the American to the American version of the American version of the results of the American version of the American version one do in left than 500.

The American version of the American version of the American version version of the American version of the American version version version version of the American version of the American version version

The Operation of Levelling is as follows: Suppose the Height of the Point A (Plate Surveying, Fig. 10.) on the Top of a Mountain, above that of the Point B, and at the Foot thereof required: Place the Level about the middle nercot required: rlace the Level about the middle Diffance, between the two Points, as in D, and Staffs in A and B, and let there be Perfons infruched with Signals for rating and lowering on the find Staffs little Marks of Pathebeard, or other Matter. The Level being placed herizontally by the Bubble, tile. look towards the Staff A E, and caule the Mark to be railed or lowered, till A E, and caute the mark to be failed or lowered, the the Middle, upper Edge, or other most confpicuous Part appear in the vifual Ray. Then measuring exactly the perpendicular Height of the Point A above the Point E, perpendential Height of the Funt A above the Foint E, which suppose 6 Feet 4 Inches, set that down in your Book 3, then turn the Level horizontally about, that the Eye Glass of the Telescope may be fill next the Eye when you look the other way (if you have only plain Sights, the Instrument need not be turned) and cause the last the Level Read and the look of the Control of the C configuration for the first of the section of the s on at the Staff B to raife or lower his Mark, till forme

If it be further required to know whether there be a fufficient Defcent for conveying Water from the Source A coate Point B, Plate Serveying, Fig. 11. Here in regard the fulficient Defeont for conveying Water from the Source A to the Points, P. Hardwerping, Pet. 11. Here in regard the Diffusor from A to B. Source A. The Beauty of the Diffusor from A to B. Source A. Hardwerping, Pet. 11. Here is negated the Diffusor from A to B. Source A. Hardwerping and the Point A to B. Source A. Hardwerping and the Point A near the Source, which is the Diffusor from A to 11, which fappede soon Yards. Then the Level hope admitted in the Domit I, be the Diffusor Form A to 11, which fappede soon Yards. Then the Level hope admitted in the Domit I, be the Diffusor A to 12, which fappede soon Yards. Then the Level had mediate the Picture A. L. which lappede and the Diffusion Part of a they the Telephon Conference and the Point Part of the Picture A. L. which lappede as Yards you and Man tercourte to your Table for # River. Foot Inches. But in regard the Dillance AI in accost Varian's, you mith have recourse to your Table for 8 Re-dellien', fublishing 11 labets, which will leave the your Book. Now turn the Level benieved the your Book. Now turn the Level benieved by Sonfi at A<sub>1</sub> and fining up another 5 min at II, each element of the Table of the T

to the Table, 4 Inches, 8 Lines, must be substracted from the Height H G, which consequently will bur leave 6 Yards, 3 Feet, 9 Inches, 4 Lines, to be taken down in

your Book.

This doos, remove the Level frewards to force other Emissions, or E, whence the Setti H may be viewed, as the setting of the setting of the setting of the Russians, or E, whence the Setti H may be viewed, as to be correyed. The Level being again adjusted in the Point E, look back to the Setti H is and managing the Mand, as before, the visual Ray will give the Point F, one of the setting the setting of the setting the ches. Meature likewise the Dilance H E, which farpose too Xratis for which Dilance the Light gives a lacker, y Lines of Abstrament; which being taken from the J Lines, which care in your Book. Lyffs, training the Level to look at the uses Setti D, the visual Ray the Cowant, which Emptode S Teen, tableet. Mestern also the Dilance for m the Staton H to B, which fappole so Yards for which Dilance the Table gives a locker of the Dilance from the Staton H to B, which fappole so Yards for which Dilance the Table gives a locker. Height BD, there will remain 8 Fect, y Lines, which contra a before.

canter as bettered.

The description of the control der the fecond Column those observed, when the Eve was next the Source, which we call Fore-Sights, in the manner following :

Fore Sights.
Fost, Inc. Lin. Back-Sights. Foot, Inc. Line. First Height }12 : 6 : 0 Second Height 21: 9:4 Fourth Height 8: 0:9 ThirdHeight 11:3:3 29 1 10 1 t 23:9:31

Having fummed up the Heights of each Column fe-parately, fabfired the leffer from the greater, the Re-mainder will be the Difference of Level between the Points A and B; as in this Example,

If the Diffunce of the two Points be required, add all the Diffunces meafured, together, and dividing the Diffu-rence of Height by the Xards of the Diffunces, for each 200 Yards you will have a Defcent of about 2 Inches, 9 Lines.

A Levelling shaffs are Instruments used in Levelling, serving to carry the Marks to be observed, and at the fame time to measure the Height of those Marks from the Ground. They usually consist each of two long square Wooden Rulers, made to stide over one another, and divided into Deep Instruction. Feet, Inches, &c.

Feet, Inches, Uf.
Ter the common Octafous of Leveling to be performed.
Ter the common Octafous of Leveling to be performed.
Die, the following Method in recommended. See a Polo
appright in a Spring, Pond, Kitver, or other Hise whence
appright in a Spring, Pond, Kitver, or other Hise whence
the performance of the Polowing of the Polo

already directed.

Dr. Hab's tigggell's new Method of Lovelling, which has been just in justice by form of the Fresh Academy; This is performed shally by mean of the Monognere, in This is performed shally by mean of the Monognere, in which the Monognere, in the American State of the American Head of the Monognery in two Places give the Difference of Level. Mr. Derbons, from One Observations he made at the ops and bottom of the Monogneri, found that the Monognery fell \( \frac{1}{2} \) of an inday is every \$8 \).

perpendicular Afcent, when the Mercury is at 30 Inches. De hasty allows of right as lach for every 50 Tards a new made, an loth in force of the being divided into an hundred or more Parts, all very fentiled, he thinks this Achter of the Conveyance of the Conveyance of Water, and left liable to Error than the common Level. The farse Achter found a Difference common Level. The farse Achter found a Difference of 3 Inches 8 Tenths between the Height of the Mercury
at the top and bottom of Spensor Hill in Wales.

LEVER, in Mechanics, an inflexible Right Line Suppor-

LEVER, in incentance, an intextible Right same suppor-ted by a fingle Point on a Fulerum or Prop a and teld for rhe railing of Weights: being either void of Weight itself, or at least baving such a Weight as may be balanced. The Lever is the first of those call'd Mechanical Power or Sumple Machines, as being of all others the most simple, and is chiefly applied for rading Weights to small Heights. It has its Name Lever from its Office levare or lever, to rai

Name Lever toom is Ubice levare or recer, to rate. In a Lever toest are three things to be principally confedered: 1. The Weight to be raisd or futiained, as O, (Flene Medisonel, Pag.). 1. The Power by which it is to be rais' or faitiained, as B. S. The Falceum or Prop D, whereon the Lever is fattiained, or rather on which it moves cound, the Falceum remaining faced.

1. The Lever is threeful; Sometimes the Falceum is 1. The Lever is threeful; Sometimes the Falceum is 1. The Lever is threeful; Sometimes the Falceum is 1. The Lever is threeful; Sometimes the Salceum in the Salceum is the salceum in t

The Leter is inrectole; sometimes the purerum is placed between the Weight and the Power, as in Fig. 1. Plast Mechanich; and this we call a Leter of the first kind. Sometimes the Weight is between the Fullerum and the Power, which is the Iecond kind; as in Fig. 3. And former times the Power of the between the Weight and the Ful-erum; § Fig. 3. the third kind.

The Power of the Lever is founded on the following Theorem, was. That the Space or Arch described by each Point of a Lever, and consequently the Velocity of each Point of a Lever is as its Diliance from the Fulkrum

or Prop.

or Prop.

these is fallow, that the Affined a Power and Englished the Weight incosts in proportion to their diffuses of the Weight incosts in proportion to their diffuse of the Weight incosts in proportion to their diffuse of the Weight and the Weight in the Lincefing of the Power's which it is be ever fo limit intended, multi-rate the Weight is the brook of the lincefing of the Power's which it is be ever for limit intended, multi-rate the Weight is set his Doffries de-Bullettand under the Weight Insert hence which had the Leve there is a great Analogy is Lever of the further than the Weight Insert will be fully little. The Power and Allon of the Lever will be fully little.

The Power and Action of the Lever will be fully illuf-

trated by the following Propositions.

I. It the Power as pulled to a Lever of any kind fustain a Weight, thee Power is to the Weight in a reciprocal Ratio of the Diffances from the Follorum. This is the Converte of that demonstrated under the Head Mechanic

The Weight of a Lever of the first and second kind AB, the Diffance of the Centre of Gravity from the Fulcrum CV, and the Diffances of the Weight and the Power AC and CB, being all given; to find the Power that will

Suppose the Lever void of Gravity, but in lieu thereof a Weight hung at V 4 if then A C be made to C V as the Gravity of the Lever to a fourth Number, we shall have Gravity of the Leter to a tourth Number, we Hall have the Weight which the Leter is able to fulsian, and this fub-thracted from the given Weight, the Remainder will be the Weight to be fulliarild by the Fower. Let C B then be to C A as the remaining Weight to a fourth Weight s and we flatl have the Fower to be applied in B<sub>1</sub> in order to fulliar the giren Weight with the given Leter. Ill. The Gravity of a Leter of the first to a found kind

A B, the Diffance of its Centre of Gravity from the Ful-trum C V, the Diffances of the Power and the Weight B C and C A being all given, to find the Weight to be fuf-

rain'd.

Find the Part of the Weight fuffain'd by the Lever alone, as in the former Problem 3 in the fame manner find the other Part of the Weight which the Power applied in B is able to fuffain; Add the two Numbers to-

gether, the Sum is the Weight required.

IV. The Gravity and Centre of Gravity F of a Lever of the second kind CB, with the Weight G, is Distance from the Fulctum CA, and from the Power CB, being given ; to find the Power capable to sultain the Weight.

to find the Power capable to fulfain the Weight.

Suppole the Leve void of Gravity, but in lise thereof
a Weight equal thereto hang in F, the Power required to
find the suppole the Leve to the list of the Leve to the foliation the gives Weight G; sidd the Powers together,
the Sam will be the Power required.

V. If a Power applied to a Leve of any kind lift a
Weight, the Space of the fail is to that of the laft, she
this lift to a Power able to faithing the Cambridge the
limit to a Power able to faithing the Cambridge the

whence it follows, that the Gain of Force is always at-tended with the Lofs of Time, and wice ver/a. LEVERET, a young Hare, so call'd in the first Year

ot its age.

LEVIGATION fignifies the Reduction of any hard ponderous Bodies, as Coral, Tutty, Pracious Stones, &c. into a light induite Bowder, by granding upon Porphyy, a Sea-fhell, Marble, Stone, &c. as Painters do their Colours. This is much offed in Paternacy and Glymittry, but under the granding influencets are extremely hard. they will wear away, to as formerimes to double the Weight of the Medicine thus managed.

of the Medicine this managed.

LEVITE, a Hollever princil, or Startificer, fo call'd as being of the Tribte of Lees, or the Defendant of the Transach of that Stame. In the Primitive Church they are present of the Manne. In the Primitive Church they are the Collection and Ministers of the Alatz. The Leastwor of the Older, and the Collection of the Alatz. The Leastwor of the Collection, but lived chircle yof the Olderson and Collection of the Collection of the Collection of the Collection of the Collection, but lived hereby all the Tribbe, each of which gave former of the Collection ownhole for the Substituce of their Flocks. According to The Substituce of the Substituce of the Age of 20 MeV. The Substituce of the Substitute of the Substitute of ferring; Twenty-four Thoushad of their he appeared for the daily Minitery under the Pricilis 5 ii. Thoushad to be inferior Judges in the Citics, and to decide Matters relating to Religion, and of no great confequence to the Sutte; Four Thoushad to be Door-keepers, and to take of the Religion of the Substitute of the Citics of the Central of the Substitute of the Central of the Religion of the Substitute of the Central of the Religion of the Substitute of the Central of the Religion of the Substitute of the Central of the Religion of the Substitute of the Central of the Religion of the Substitute of the Central of the Religion of the Substitute of the Central of the Religion of the Substitute of the Central of the Religion of the Substitute of the Central of the Religion of the Substitute of the Central of the Religion of the Substitute of the Substitute of the Substitute of the Religion of the Substitute of the Substitute of the Religion of the Substitute of the Substit the Office of Chanters or Singers.

The Word comes from the Laun Levita, which is form'd from the Greek xeves; the Root of which is the Name from the Greek reverse; the Root of which is the Name Leve, which was given to this Patriarch by his Mother Leak, from the Arbrew 7119 lands, to be sted or assisted Leak hoping, by the Birth of this Son, to be more closely link'd to her Husband Sacot. I EVITY the Privation or Warn of Which, in some

lank'd to her Husband Juses.

LEVITY, the Privation or Want of Weight in any
Body, when compared with another that is heavier, in
which fense it is opposed to Gravity. The Schools maintain that there is fuch a thing as possive and absolute
Lewis, and impact to this the Rife or Emergency of Bodies lishum in Gravit, all the Rife or Emergency of Bodies lishum in Gravit all the Rife or Emergency of Bo-Lewy, and impact to this the kille or Imergency or no-dicis lighter in Specie than the Fluids wherein they rife. But befides that the common Sente of Manktod difcours that Levry is only a Relation Term, we find by Expe-rience that all Bodies send roward the Earth, form Glower, and fome fatter, in all Fluids or Mediums, who-ther Water, Arr. &c. Thus Cork is faid to be lighter than Gold, because under qual Dimensions the Gold will thus Gold, because one count Dimension the Colfford in Sink A, and the Conf. Form you War. Archimeter has the demonstrate, Thus a food food will fine any where in Body will feet passes the conference of the Colfford of the Conference of the Confe Metter; and therefore when we fee, that a Cube of Gold fedfolds in Water, at the fame time that negues Bulk of Coch form aposit, the relicant that the Gold multi lure a Bulk of the Gold, the Gold multi lure a Bulk than the Coh, or the Coch mult have a generate mannes or Vasuities than the Gold, and that there are also in the Water, a generate number of Vasuities than in Gold, and that there are also in the Water, a generate number of Wateries than in Gold and the state cause of the Ref of the Gold and the state cause in a first fifth feed be accounted any thing politic, but a mere Negation or Abdince of Body, which determines that Marter.

Dr. Hoek, 'tis true, fecms to maintain fomething like a positive Lewis. This, if we mistake not, is what he means by the Term Levitation; viz. a Property of Bodies means by the Term Leisnians s size. A Property of Bodies directly contrary to that of Gravitation constain the Sun. This be thinks be has dislocated in the Steams of Co-merc, which the they had a Diction from the Seafcast of the Steams of Comments of the Steams of Co-stain the Steams of Comments of the Steams of Co-and went opposite to the Sun, and that to a prodigious Ex-tern. In effect, where the Power of Gravitation cases, it should form form facts contrary Force does begin, where-of we have Indirects in the Theomomeans of Artraclion. This is what Sir I. Neuron calls the Fis Repellens, and ap

pears to be one of the Laws of Nature; without which it would be hard to account for Rarefaction, and fome other Appearances. See Repulsion.

other Appearances. See Repulsins.

TEURE, in Falcoury, a piece of red Leather, cut in TEURE, in Falcoury, a piece of red Leather, cut in TEURE, in Falcoury and Wings, hung out on a Crook by the Falcoure to eclaim his Birds. They formetimes tie Meat to the Leave, wherewith to feed the Bird. The Word comes from the Leant Leaves, tho others derive it from Leave, Capitalif,

LEVY fignifies to gather or exact; as to levy Money, to levy Troops. Levy is fometimes also used to creek or fet up 1 as to levy a Mill; also to raise or call up, as to levy a Ditch, to levy a Fine, Sr. from the French lever, to

LEX, fee Low.
LEX AMISSA, or Legen anistere, in Law is underlex Amissa, or Legen anistere, in Law is underinformation perfured Perfon, who is faid to lefe
information.

LEX AMISSA, or Legon smitter, in Law is under-thoud of an infanous perjurch Perfox, who is fill to ply for the LEX Company of the LEX LEX SECRAMILES For LEX COMPANY of the LEX COMPANY of the LEX LEX SECRAMILES FOR LEX COMPANY of the LEX COM

ourcea, arter having first tasted it immest. Alexander is faid to have facrificed a Bull to Nepsines and for an Offering to the Sea-Gods, threw the Golden Vessel, used for the Libration, into the Sea. Libration were also in use under the Law of hosfes, being injoined by God in Exadas xxix, and Nambers xx. See Lipsus on Librations.

LIBEL, a Writing containing Injuries, Repreaches, or Accusations against the Honour and Reputation of any Acculation against the Honour and Repention of any Perfers, particularly of Superior of Governor. Planta is of opinion that a Wiring, how insistent Secret is, anneas the of opinion that a Wiring, how insistent Secret is, anneas the control of the

repeated or iumg in the prefence of others: Or cleft "redinent, when the Litel, or any Copy of it, is delivered out to feandalize the Litel, or any Copy of it, is delivered out to feandalize the Litel, as to pain the Party in a Bauerial, or ignominious manner: Or, (z.) Signit, as to fix a Gallows, or other ignominious Signs, at the Door of the Party, or elfewhere. The Punithment of Libelium, and it is a Righdmi, is patting the Criminal on the Pillory, Whip-india of the Pillory, Whip-india of the Righdmi, is an angle of the Righdmin of t

ping, Sc. Libel alfo fignifics the Original Declaration of any Action

in the Civil Law LIBELLATICI. Under the Perfecation of Decise there were feveral Christians, who, to prevent their being obli-ged to renounce the Fairh, and facrifice to Idols in Public, made Application to the Magistrates, and abjared their mude Application to the Magiltanes, and shiperd their Flittin piraces, or by sleavy to yells they were needed to the properties of their sleepine. Their Certificates were called Lieft, minimal Librium. Their Certificates were called Lieft, minimal Librium. Others, parisolarly the Conscience of Magiltanes, are of Opinion, that the Librium were for the properties of the Celebrate of the Magiltanes, bookput for describing and Abjunction, and obtained Letters, by which they were the in effect they had does nother. the in effect they had done neither.

LIBERAL ARTS, in opposition to Mechanical Arts, are such as depend more on the Labout of the Mind, than

are fuch as depend more on the Labout of the Mind, than on that of the Hand; that confift more in the Speculation than the Operation, and that have a greater Regard to Amnéement and Cariofity, than the fervile Mechanical Works: Such are Grammar, Rhetorick, Painting, Sculpture, Architectore, Maño. The Liberal Arts ufcel for ture, Architectore, Music. The Liberal Arts used merly to be summed up in the following Latin Verse,

Lingua, Tropus, Ratio, Numerus, Tonus, Angulus, Africa. And the Mechanical Art, which however are innumerable, under this;

Rus, Nemus, Arma, Faber, Vulnera, Lana, Rates,

The Word comes from the Latin Liberalii, which among the Romans fignified a Perfon who was not a Slave, and whose Will, of confequence, was not check'd by the Command of any Matter.

I.IBERALIA, Feafls celebrated by the antient Rose

College M. 1. In some control by the sations. Remay in home of blacks. The low cert fails with those of home of the first search of the control of the first search of

har is, the 17th of March.

LIBERTIN, among the Romans, was what we call a freed Man, a Person set free from a Legal Servitude. Freed Man, a retton tet tree from a Legal Servinde. These fill retain'd form Mark of their nation State. He who made a Slave free, had a Right of Patronage and of Patron over the Liberin; if the Liberin fail'd of thewing due Refrechts to his Patron, he was reflored to his Sertitude; and if the Liberin died without Children, his Patron mes his University.

rose) soid i oue processor acce vanout Chincro, no re-LIBERTINISE, the Name of a Soil in Religion, that ando in the Year 155. Their principal Teness were, That ando in the Year 155. Their principal Teness were, That ando in the Year 155. Their principal Teness were, The additional to the Principal Teness were the Soil acceptance of the Soil

has been wild in mil Barnle ever fines.
They freen juricelly in Hilland and Breakaut. Their Leaders were one Egumin in Frisand, and another called Leaders were one Egumin in Frisand, and another called LinkERTy, it studies with the called the inclines towards Good in the general; and by Lebery be understand, that you would have determined the poetral impetition would fact (Objects as pleafe principle flower) and the process of the process o fome particular Good. Thus, a Perfou, for initiance, re-prefents fome Dignity to himfelf as a Good to be wifted for, immediately the Will defires this Good i that is, the Impetition which the Mind continually receives towards Good in general, determines it to this Dignity. But as that Dignity is not the univerful Good, nor is conceived clearly and difficility as fuch by the Dind, for the Mind common y and entimenty as such by the binnin, ther the Annia cammot conceive a thing clearly which is noty) the lim-percition we have cowards Good in general, is not entirely exhaulted by thee particular Good; the Island has an In-clination to go further; it does not love that Dignity no-cetfairly or entirely, and in this retpect is free. Now its Leberry conflits in this, that mot being fully covening that this Good corenism in it all the Good is tepable of that this Good constain in I all the Good is it expable of losting, it may fighted its algebrate and its Love. The losting, it may fighted its algebrate and its Love. The Truth. We love this as web the Enjoyment of Good, by a natural Imperficians which Imperfician s not invisi-ble in the latter, excepting Evidence be full, and our knowledge at the Object complexity. We have the fame throughout the Chiper Complexity, and the properties are palled Appetition. See "Judgment, Will, &c. Monti of the Scholmen confound Loderty and the Will cognition, and make one Definition force for c'em both. Both of the Scholmen confound this, in a Libert of the Govern of Contractive, Constructions, White is a Libert of the Govern of Contractive, Constructions, White is a Libert of the

They dissinguish Lobers into a great many Kindts; as Li-boy of Contrarency, contractants; which is a Lobers of design two things not only different, but contrary to each educate Lobers of Contracticities, in a Towar of design exhibit the contractive of the Contractive of the Contractive of the Contractive of the Contractive, with regard to Good. Next Loberty of Contractive to with regard to Good. Next Loberty Francis, is a full holdest Freedom of design and thing. Liberty estate, it is a Loberty that comprehends a natural Fower, the contractive of the Contractive to remove, and to attain to a next Liberty. Thus he who has not actual Grace necessary for the fulfilling of his

Duty, but has yet the actual Grace of Prayer, has a nex Liberty with regard to Prayer, and a remore Liberty with regard to his Duty

Cisere defines Liberry the Power of living after a Man's own Defire, without any Caute or Impediment to oblige him to do one thing rather than another. The Deftring

him we do one thing rather than another. The Definic of Patagas, with regard to Likers, is built on PhiloGo-phy, which does not allow us to have loft our original Levery of doing good on any Religion that at Man fees in Misking Froefficion of any Religion that at Man fees in This feman to be a natural Rights it in vigeously op-poided bythe Generality of the Remardly, and even by problem of the Company of the Company of the Com-ton and Caree fubrill without the con-tinuous of the Company of the Company of the Com-ton and Caree fubrill without the Com-ton and Caree fubrill without the Company of the Com-ton and Caree fubrill without the Company of the Com-ton and Caree fubrill without the Company of the Com-ton and Caree fubrill without the Company of the Com-ton and Caree fubrill without the Company of the Com-ton and Caree fubrill without the Company of the Company of the Com-ton and Caree fubrill without the Company of the Company of the Com-ton and Caree fubrill without the Company of the Company

care facilité authorité de la fine Récorda-cial BBA, Jahara, cone d'he trevêre Signe of the Za-diach, exally opposite to John.

LIBBA, plantan, cone d'he trevêre Signe of the Za-diach, exally opposite to John.

LIBBA, the sautest Rossum Parall, herrevoit form the dielans, who called it Jahra. It was divided into vocted Tachie, or Omace, caquit to about 1:e) Osaset and LiBBA, the sautest Rossum Parall.

Limit et, the Season y, the Stateston of the United Stateston, the Pereight, the Dadoste sins, the Demian Conces, or one Lobert. The Rossum Jahra was wide in Founce for the Mediare of their Coin till the time of Soldheing for prospersioned, as that twenty of them were equal to the Libra. By degrees it become a Term of Account, and every thing of the Valvey of them were equal to the Libra. By degrees it become a Term of Account, and every thing of the Valvey of them were equal to the Libra. By degrees it become a Term of Account, and every thing of the Valvey of them were equal to the Libra. By degrees it become a Term of Account, and every thing of the Valvey of them were equal to the Libra. By degrees it become a Term of Account, and every thing of the Valvey of them were equal to the Libra. By degrees it become a Term of Account, and every thing of the Valvey of them were equal to the Libra. By degrees it became a Term of Account, and every thing of the Valvey of them were very well have it, it that Bot was even immed plant and Term of Account, not a Colin. See Passal.

Term of Account, not a Colin. See Passal.

LIBRA RRI, among the Almedia, were proporely the die-the Valvey, and often very built tou is few thick ration, the the who were Bods for the Book Herbert even delined for the Polising of Books at or the Books themselves ideal of the Polising of Books at the Books themselves ideal of the

LIBRARY, an Apartment or Place deflined for the placing of Books; or the Books themselves lodg'd in placing of 1600ks i or the 1600ks themselves loded in that Apartment. Some Authors refer the Origin of Li-braries to the Helerens, and observe that the Care they took for the Prefervation of their Sacred Books, and the Memory of what concern'd the Adliens of their Anecthors, became an Example to many other Nations, and parti-calarly the Egyptians. Of swandins King of Egypt is faid to have taken the hint first, and had a Library built in his

to have twice the him first, and had a Liliony built in his have taken the him first, and had a Liliony built in his how have the relative to the property of the control o

pent. The most celebrated Libraries of antient Rame were the Ulpian and the Palatin. They also boatt much of the Libraries of Paulus Emilius, who conquer'd Paulus of Libraries of Paulus Palins, who conquer'd Paulus of Libraries of Admin Palins, Attness, of Salust Severus, Domitins, Serams, Pamphylas, Marsyr, and the Emperors Gordson and Trajan.

Gordsiss and trajon.

Anticatly every large Church had its Library; as appears by the Writings of St. Jerom, Anafiglias, and others.

Pope Nectoral laid the first Foundation of that of the Vari-Fope Needest last the first Foundation of that of the Varicom in 1450. It was defineyd by the Contiable Essation in
the facking of Rome, and reftered by Pope Saxus V. and
has been confiderably enrich'd with the Ruins of that of
Heidelbery, Junder'd by Count Tilly in 1622.

One of the most complear Libraries in Europe is faid to

One of the most complex Libraries in Europe 1s 13at to be that erceled at Henne by Cyfine de Median 3 over the Gate whereof is wrose, Lakov algoe, Labove. The it is now exceeded by that of the French King 3, begun by Francis I. augmented by Cardinal Richles, and complexa-ciby M.Celbert. The Emperor's Library, according to Lamberin, conflits of 8000 Volumes, and 15940 Carinos Marchen Conflits o

Medals.

The Dodleian Library at Oxford, built on the Foundat of that of Dake Hamphry, exceeds that of any University in Europe, and even those of all the Sovereigns of Europe, in Europe, and even hold of all the Sovereigns of Europe, coacys the Impore's and Frenck Rings, which are exist of ten older by a busined Verse. It was first open if a proper state of ten older by a busined Verse. It was first open if the province of the proper state of the Verse of the Ver fifts wholly of Manufcripts, particularly of fuch as relate to the Hiftery and Antiquities of England; which, as they are now bound, make about 1000 Volumes.

LIBRATA TERRÆ, a Portion of Ground containing 4 Oxgangs, and every Oxgang 13 Acres. With us it is fo much Land as is yearly worth 20 t. In Henry the Illd's time, he that had quindecim Libraras Terra, was to re-the Order of Knighthood.

Some fay, that as Money is divided into Pounds, Shil-

lings, Pence, and Farthings, the fame Degrees are to be observed in the Division of Lands and therefore as Quadrant fignifies a Farthing, to Quadrantar is the fourth part of an Acre, Ollata an half, Denaria a whole Acre, Ollata 21 Acres, and Librata 22 times 12 Acres, i.e. 240.

Spelman compares an Acre to a Mark in Money; and as in one there are 160 Pence in Money, fo in the other there

are 160 Perches of Land.

LIBRATION, in Aftronomy, which fome call Trepi-dation, an apparent Irregularity in the Motion of the Moon, by which five feems to librate or shake about her Moon, by which fhe teems to librate of Make about her own Axis, fometimes from the East to the Well, and fometimes from the Well to the East whence fome Parts in her Wellern Limb or Margin recede from the Centre of the Disk, and fometimes move towards it.

LIE LIC

Some of those Parts which were before visible, fet and hide themselves in the invisible side of the Moon, and afterwards become again confpicuous. This Libration of the Moon is owing to her equable Rotation round her own Axis, and her unequal Motion in the Perimeter of her Orbit. For if the Moon moved in a Circle, whose Centre Anis, and here sucquist Messon in the Perimeere of here considered with a Centre of the Earth, and carried result in Anis in the precise Time of in Period round the Earth, and the Centre of the Mess would be to confidently and exactly nearly towards us. But fince the the Earth, and the Earth Earth of the Mess when the Earth is capable 3 or, which is the Farse thing, every Marslein of the Messon theory the Earth is Coupled by the West and Centre of the Earth is capable 3 or, which is the Farse thing, every Marslein of the Messon theory the Centre of the

be parallel to that of the World in every Situation of the

Ship.

LICENCE, a Permission or Leave granted by a Su rior. Juliman appointed four Years to be front in the Study of the Law; after which, those who had discharged this Obligation, were faid to have Licence, or Permiffion, to retire from Study. And hence the Word comes to be

on reiter from Study. And hence the World comes to be sided in this feed soon gar.

Letter on Confidence taken continued to Confidence taken out in the Univerfitties, whether in Law, Physic, or Division, the Univerfitties, whether in Law, Physic, or Division in a Ferical of two Years, which the Interfacions are obliged to pair in stifling at instance of the Confidence on the Confidence of the Confidence o

the Poets had much greater Licences than are now allow'd The Greeks, by having recourfe to the feveral Dialects of their Tongue, could lengthen out a Word if it were too ort, or retrench fomerbing from it if it were too long. The old Pnets did what they pleas'd with their Language, and fabjected it not only to all their Necessities, but their

Et data Romanis venia est indigna Poetis,

But thefe became ridiculous in course of Time; and the Poets are now despoil'd of most of their antient Privileges

LICENCE TO ARISE, in Law, is a Liberty or Space of Time given by the Court to a Tenant, to arife out of his Bed, who is chiefe of the Male Left in a real Action LICENTIATE, he who has obtain d the Degree of a In the New York the Control of the New York of the Control of Lecture. Most of the Officers of Johnstern in Joyan are already to the Control of Lecture. To paid Lecture. Most of the Officers of Johnstern in Joyan are already to the Control of Lecture in the Control Lecture in the Control Lecture in Lecture in the Control Lecture in Lecture in Lecture in the Control of the New York of Lecture in Lecture i

Vaffill'Thomb or his Hand in that of the Lord, to Thow that he was fail bound by his Oarh of Fidelity, Coist, Vijime, and Eignes those rather to derive the Word from the fame Soarce with Ensite to elses, Isopi, Injahid. But Do Cange falls in which to Opinion of those who derive it from Lini; a kind of Vaffalls for firstly attached to their Lord on account of Laste or Fees held of him, that they were obligated to do him all manner of Service, as if they were obliged to do him all manner of Service, as if they were his Domedlies. He adds, this was formerly call'd Litrium Servitom, and the Perfon Litge. In this fiends the Word is ufed Let, Edw. eds. 3-9. 'Im. fab Tatela Reis' Liges debest effe 3 that is, wholly under his Pro-

By Linge Honoge the Valial was obliged to ferve his Lord towards all, and against all, excepting his Father. Homege which last early only the property of the Hismages which last early obliged the Vaffal to pay the Rights and accordiomed Dues to his Lord, and not to bear Arma against the Emperore, Prince, or other Superior Lord, So that a Linge Mor was a Perfor wholly devoted Lord, So that a Linge Mor was a Perfor wholly devoted However, as the Word Lines of a vinously includ by An-

Lord: So that a Lige Man was a Perfon wholly deleved.

However, as the Word Legis is resulted yated by an thou, it must be observed that there were formerly now obliged to ferre his Light and the legislation of the legisla

as to be drown out by Stool with little or no Alteration. The Literacy is worning either to a Diefocil in the Fermes The Literacy is worning either to a Diefocil in the Fermes with the brisk an Irritation of the Fibber of the Vermick, that influend of rennings the Alimens it least in pair. Excels of Dinking Increasines occasions this Different than the Company of the Intelligence of the Intell

and istiger, integrine.

LIE UNDER THE SEA: The Sailors fay, a Ship lies sander the Sea, when her Helm being made fast a Lee, the lies to a Hull, that the Sea breaks upon her Bow, or

Broad-ndc.

ILEUTENANT, a Deputy or Officer who holds the place of a Superior, and dicharges that Function in his adefence, which he ought to exercife in perfect. Of thefe fome are Civil, as Levil Lieutessatt of Kingdoms, who are the Kings' Viceroys, and govern in his fixed 3\_Levil Lieutessatt of Counties, fee Castry. But the Term is most popular with Military Mee, among whom there is a Vapopular with Military Mee, among whom there is a Va-

popular with minutary mercy attenues whose new-ritry of Lieusenant. As, Lieutenant-General, the fecond Officer in an Army, who commands a Body of Porces, a Detachment, Quarter-Attack, &c. under the General. In France they have allo Lieutenanti-General of their Naval Forces, who command immediately under the Ad-

In Hallend they have a Lieutenant-Admiral, which is the fame with what we call a Vice-Admiral.

Lieutenant-General of the Ordenace, is he who has the Charge of the Artillery, Batteries, Use under the Master-

Castle of the Activity, Schuries, Schunder the Assistant Liouteness Colored, in a Body of Horfe, is the first Cap-tain of the Regiment; he commands in the abfence of the Colored, taking place of all the other Capstains. Liouteness-Calved of Fars, is the fecond Officer in the Regiment; he commands in the abfence of the Colored, and in a Burnel takes post as this Colored's Left. The Dra-gonal have also be Liouteness-Calved; but the Horfe have Some him of the Carteness-Calved; but the Horfe have

goos have also a Liencama-Chimel; but the Horft have not, properly, support of Amiral Belog, or the Same of T.LIEE, the Durston of Amiral Belog, or the Same of T.LIEE, the Durston of Amiral Belog, and the Same of the Liencama of the Same of the Same of the Same of the Same and Motion that animates Bodies, and rankes ven Per-ceive, Ad, and Grows in which freels, LPie in doubted into Animal, Scalinive, and Vegetsirive. LPie, in a shriftly LPie in a market of the Same of the Same of the LPie in a shriftly LPie in the Same of the three Same of the three Same of LPie in the LPie in the LPie in the LPie in the LPie in LPi

down as follows.

down as follows.

Things are preferred in two manners 3 cither in their Identity, or by Reparation. In their Identity, as a Fly or Ant in Amber, a Flower or Fusic or Wood in a Confervatory of Snow 3 a dead Carcafs in Ballams. By Reparation, as a Flame, and as Mechanical Engines, General Carcafs in Cartagonics, General Cart

LIF (453) LIG

LIF

station of the Prolongation of LiP, both thefe Methods and the Soft and Soft and LiP and Soft and Digeffion, as in various Ways of dreffing Mests, mixing Drinks, fermenting Breads, and reducing the Virtues of Dinks, ferrenning Breads, and reducing the Virtus of their three inco one; by promoting the Act of Affinish-their three incomes one; by promoting the Act of Affinish-their three incomes of their three incomes of the Habit of the Body, as in the Ufe of Emullicans, Emplaiters of the Body, as in the Ufe of Emullicans, Emplaiters of the Body, as in the Ufe of Emullicans, Emplaiters in the Emplainers of the Body, as in the Ufe of Emullicans, Emplaiters, imprefix jet by purpling off the Old Juices, and Industry three interests of the Emullians, and the Ufe of the Emplainers of the Emullians of the Em

uning Ferth, ever, is it is a state-table. Executions, distribution, and a state of the first of your, and carrilaginous; as allo of different Figures and Situations. Some arife tom Bones, others from Carrila-ges, and others from Membranes. The Legament is the nord Tetrefitril of all the Parts of the Body after the Bone and Carrilage, being cold, dry, hard, and infensi-

ble like them. In particular, the foveral Ligaments of the Body are the cardiagnous Ligaments, which bind the four Bonce of the Mercacreps with the Carpus. The Ligaments of the Spine are very throng, soing fitted to the Articulations of the Verechre, no present their Learstons in violent Months. They are of two kinds, the one thick and far the Cardiar and the Articulations. They are of two kinds, the one thick and the Cardiar and the Articulations. brows, in form of a Crelent, which bind them both at top and bottom; and the others membranous, ferving to fallen them the more ficurely. The Ligament of the Liver are two in Number, the first, which is the chief, called Ligamentum Supergiviam, holds it suspended to the

ble like them.

3 ) L1 Cir.
L2 Cir.
Disphargem, penetrating into the Subblance of the Liver, to hold it the mere farmly is the latter is larger, but may be compared to the control of t or Bottom of the Utron, and Gerre to prevent the Faulas personnel of the Utron, and Gerre to prevent the Faulas personnel of the Utron and Engineering rets on unter distinct. They round Ligoment ratio from the Sides of the Womb, at the place where the Table Faulas rate pointed to it. At the Paulas of the Utron and the Paulas of the Paulas of the Utron and the Paulas of the Utron and the German with Vedick of an Men. paid beneits the Daylecture of the Protosoms, and fo out of the Additional Control of the Protosoms, and fo out of the Additional Control of the Protosoms, and the Control of the Paulas of the Paula

THE LIGAMENTUM LATUN, and ROTUNDUM. See Generality. The rest of proper is Human.

See Generality. The rest of proper is Human.

Generality and the rest of the rest of the rest of Cache of Lineau, Faring to blud the Arm on fitcilities the Operation of Beeding. Legister is also the Art and Planner of difference of Army and Physics and Physics Roselesse for the classic of the Rosel of the Rosel of the Rosel of Chicagon. There are various fields of Lineau, Some Authors crots of the Rosel of the Ros

more ready and prepared to receive the Impulse and Communications of Divine Grace. This passive State of these concemplative People they call their Ligature. Ligature is also used to figuify a kind of Bandage or Filler, tied round the Neck, Arm, Leg, or other Part of the Bodies of Men or Beatls, to divert or drive off some

the Bedies of Men or Beath, to driver or drive off from Dillacels, Accident, yet uncommon hind of Ligores in use among the People of Manglier, Jenn, Mailey, Sien, Med. Ce. By this Charm, or Spell, a Manglier, Jenn, Mailey, Sien, & Ce. By the Charm, or Spell, a Man brinds up a Western or Spell of Manglier, Jenn, Mailey, Sien, & Ce. By the Charm, or Spell, a Manglier, Jenn, Mailey, Sien, Manglier, Jenn, Markey, Spell, and the Charmon of th The fame Author rells us, that during the Ceremony of Marriage in Rugia, he observed an old Fellow lurking behind the Church-Door, and mumbling over a Heap of Words, and at the same time cutting a long Rod of Words, and at the lame time cutting a long Rod-which he held under his Arm into pieces; which, it focus, is a common Fractice at the Marriages of great Perfons, and done with Defign to clode and counter-work any other Perfon that might possibly be inducing the Longue. the Ligature,

The Secret of inducing a Liquare is delivered by the fame Anthopas he was explicit on the Spot by one of their Aderpts which Spoing a Carefidy, we fail and telepole properties of the Carefurs and the Spot by one of their Aderpts and the Carefurs and the Carefurs and the Carefurs and Carefur

M. Meybal mentions another Form of Ligance which he received from a Bratinion at Inalylien: '[I, 6qp] be, the little Worm in the Wood Lukerare Kara be cut in to two, and the other not if if he directly and the other not if if he 'litring Part be braifed and given with half a Beetle to a Man, and the other half to Woman, the Charm will be cope ach from ever having to do with any other Perform Published Transfallient, Namb. 28.

\*Sept each from over having to do with any other Per-Legistero, James Petriner, and Thomas Good The Legistero, James Petriner, and Standard Legistero, James Petriner, and James James Letters to Characters which ferre to consect two Letters to properly as fig. 36. The old Editions of the Greater of Seteron and the Control of the Con

themfalves. Term ofed in various Senfer: Sometimes LIGHT, s. Term ofed in various Senfer: Sometimes LIGHT, s. Term of the senfer senfer

stored Lieb, us distinguish a from that ext annually needed and the control of th

Sendition.

The Certifians have refined confidenably on this Novino The Certifian have refined to confidenably on this Novino and Land and

Light therefore, they fay, confils in a certain Motion of the Particles of the luminous Body, whereby they are enabled to prepel every way the Manera Mokelin lodged in the Fores of transparent Bodies, and fecundary or derived Light in a Commar's 10 Motion, or an Inclination of that Matter to recede from the Centre of the luminous Body in right Lines.

an right attended to the control of the form of a form of the form of a form of the form o

now, the Body is of this or this Colour.

This Hypoticis, how inguinous fever, in owe districtly districted, fines the great Discoverse inside by \$80 for the district of the colour of

than that wherewish is little fies out of the Mondi of a Camber, if Light jown out a Body but conflict, in a contract, and the second of the contract of the c

Kind and Virtue, by how much any one is finaller, by fo much is its attractive Power greater, in proportion in its Bulk. This Power we find firunger in finall Magnets than in large ones, regard being bad to the Difference of their Weights; and the Reason is, that the Particles of small Magnets being nearer each other, more caffly unite their Forces intimately together, and aft conjointly. For the fame Reafon the Rays of Light, being of all other Bodies the most minute, it may be expected that their attractive Powers should be may be expected that their attentive Powen fload by of all others the Imagesti. And how frong in effect they are, may be gathered from the following Moties, may be gathered from the following Moties, proposed their particular and the proposed of the Valency of the Washington of the Body, and of the Beading or Curvature of the Lina, which he Pays defined in the Place of Refaction, to which the Pays defined in the Place of Refaction, to the refaciled Sortface by the flow with that of the projected Body in the Horison. Tenn which Proposed to the refaciled Sortface by the flow with that of the projected Body in the Horison. Tenn which Proposed Sortface was the Washington of tind guider, that the Armellion of the Ray of Lefe is above 1,000,000,000,000 till myles of the British in Corr-vity of Bodies on the Suffice of the Earth, in pro-position to the Quastriey of Harmer in each in the Light proposition to the Quastriey of Harmer in each in the Left Minster. But now as in Algebra, where affirmative Quastrier cealty, there appares one begin is to in Mc-chanics, whose Armellion ceales, there the expelling one as it is cut off from the huntrious Earth by the vi-brating Mories of in Parts, and is got not of the brating Mories of in Parts, and is got not of the Sphere of it Armellion, inpugalled with an immendie Sphere of its Armellion, inpugalled with an immendie Sphere of its Armellion, inpugalled with an immendie The wooderful Dividibility of the Fran of Matter is no

The wonderful Divitibility of the Fars or wanter so no where more apparent than in the Minureness of the Parti-cles of Light. Dr. Nieweniit has computed, that an Inch of Candle, when converted to Light, becomes divided into adposingly Parts. The Expansion or Extension of any Por-tion of Light is inconcrivable; Dr. Hook fixews 'tiss a aspet 1,040 Parts. The Expansion or Extendes of any Pec-tum of Logis in inconceivable; Dr. Jinde Rews' in a transport of the property of the property of the Diffuse of force of the fixed Stars, the Light whereof becomes femilie to the Eye by means of a Telefors; one, and a ke, is it only the great Boiles of the San or one, and a ke, is it only the great Boiles of the San or will Expansion of the University but the finallied Spark of a locid Body must do the farme, even the finallied (Bubble firsted Forms Steel by at Tilton, be that which

Dr. i' Grante stand affirms a lucid Body to be that, which emits or gives Fire a Motion in right Lines; and makes the Difference between Light and Heat to confift in this, That Difference between Light and Heat to consist in time, a me to produce the former, the first Particles must enter the Eye in a rectilinear Motion, which is not required in the latter : On the contrary, an irregular Motion from more proper for it, as appears from the Rays coming directly from the Sun to the Top of the Mountain, which have not near that Effect with those in the Valley, agitzed with an irresular Motion by feveral Reflections. When non near that Effect with those in the Valley, agitated with an irregular Monion by feveral Reflections, which are reported motions to the whether or no there be always Light where shere is Fire, is disjusted smoog adulted, as all on whether or no there be that may be infinitely dismissified, and Lights Matter that may be infinitely area; to which we may add, that that may be infinitely area; to which we may add, that the most infinitely may be infinitely ma

that of our Organs of Sonfa.

Site flass Newson observes, that Bodies and Light and and an another is Bodies on Light, in emitting, erefection, prefixing, and indicting it and Light on the credicting, refixing, and indicting it is and Light on the particular properties. The properties of the propert

Cats or Horfen when ratb'd in the dark 5 and Wood, Ifth, and Field when putrefic.

The late Mr. Hawkiece has furnish'd us with a great Variety of Instances of the artificial Production of Light on the Attrition of Bodies naturally not luminous; as of Amber rubb'd on Woollen Cloth in vane, of Olais on Woollen, of Glafs on Glafs, of Oyther-Shells on Woollen, Weollen, of Glafs on Glafs, of Oyther-Shells on Weollen, and of Weollen on Weollen, all its vaces. On the feveral Experiments whereof, he makes the following Reflections: That different forts of Bodies affixed remarkably different kinds of Ledy, different both in Colour and in Force; That the Effects of an Artinia are various, according to the different Preparations and Managements of the Bodies that are to endure it; and that Bodies which have yielded a particular Light, may be brought by Frickbon to yield no more of that Light.

M. Bermank found by Experiment that Mercury annal annual with Tim, and mikkel an [Bight, introduced a named with Tim, and mikkel an [Bight, introduced a named with Tim. and mikkel an [Bight, introduced a named with Tim. and mikkel an [Bight, introduced a named with Tim. and mikkel an [Bight, introduced a named with Tim. and mikkel an [Bight, introduced a named with Tim. and mikkel and [Bight, introduced a named with Tim. and mikkel and [Bight, introduced a named with Tim. and mikkel and [Bight] introduced a named with the same and the same

M. Berwin found by Experiment that Mercury analgenrated with Tin, and rubbled on Glish produced a
conductable Light in the dirt; that Gold rubble on Glish
conductable Light in the dirt; that Gold rubble on Glish
most experime Light was that produced by the Attrinon of
a Diamond's being equally vivid with that of a barriag
Gold braitly agreeted with the Bellow,
get got the Wood,
which upon exhaulting the Air from it was existinguish'd; to
the product of the Gold Region of the Gold
which upon exhaulting the Air from it was existinguish'd; to
the upon the Air from the was existently
the product of the Gold Region of the Gold
Region of the Gold Region of the Region of the Gold
Region of the Gold Region of the Region of the Gold
Region of the Gold Region of the Region of

Phylybrus, That the Parinter of Light are attraited by these rise violent from innomemble Experiments. This if Theoremee was afth observed by Sir I. Nussing This if Theoremee was afth observed by Sir I. Nussing the This if Theoremee was afth observed by Sir I. Nussing the Control of the Con fable Diffance, the it always increafes as the Diffance is diminished as appears very fendibly in the patigo, of a Ray between the Edges of two thin Planes at different and the Edges of two thin Planes at different and the Edges of two thin Planes at different and the Edges of which Reflection cannot used by redicted. The Cause of which Reflection cannot used by redicted. again to the Giass, and be totally reacted to any Refi-flance of the Facusar, but must be entirely owing to former Force or Power in the Glass, which attracts or draws back Force or Power in the Glats, which attracts or craws back the Rays as they were putting into the Fassaw. And this appears farther from hence, that if you wer the pofferior Surface of the Glafs with Water, Oil, Honey, or a Solision of Quickfilver, then the Rays which would other wife have been reflected will pads into and through that Liquer: which flewes that the Rays are not reflected till have the Rays with the Rays are not reflected till have the R Laquer: which freess that the Rays are not rediceled till they come to that pofferior Surface of the Clafs, nor even till they begin to go out of it; for if at their going out they fall into any of the forefail Mediums, they will not then be reflected, but perfift in their former Courfe, the AttraCtion of the Glafs being in this Cafe counter-balanced by that of the Liquor.

From this mutual Attraction between the Particles of Light and other Budies, arifes two other grand Phano-mena, which we call the Reflexion and Refraction of Leght.

meni, which we call the Reflexion and Refroiding Oligoties. We know that the Determination of a Body in Motion We know that the Determination of a Body in Motion way. Thus Life impinging on the Surface of folid Bodies, flould be turned out of its cortes, and began to Angle of its Reflexion equal to that of Incidence. This is found by experience Life does, and yet the Caste of the this Effect is different from that just now sampe at me Rays of Light are not refeled by firthing on the very Pars of the reflecting Bodies, but by fome Fewer equably diffused throughout the whole Surface of the Body, whereby it acts on the Light, either attracting or repelling it without Constal? by which finer Power, in other Cir-cum Ramoes the Rays are refracted as and by which allo, can be considered to the constant of the Circum Ramoes the Rays are refracted as and by which allo, the constant of the Rays are refracted as and by which allo, and the reserved the Rays are refracted as and by which allo, and the reserved the Rays are refracted as and by which allo, and the reserved the Rays are refracted as and by which allo, and the reserved the Rays are refracted as an area of the Rays and the Rays are refracted as an area of the Rays and the Rays are refracted as a reserved to the Rays and the Rays are refracted as a reserved to the Rays and the Rays are refracted as a reserved to the Rays and the Rays are refracted as a reserved to the Rays and the Rays are refracted as a reserved to the Rays are refracted as a reserved to the Rays are refracted as a reserved to the Rays are refracted as an area of the Rays are refracted as a reserved to the Rays are refracted

the Raya ere first entired from the luminous Body; a sit is abundantly proved, by great variety of Argumens, by Sit I. Niesto. See Refesion.
That great Antone pain is they appear that the formation of the proposal proposal that the formation of the proposal proposal the Body infinitely near, yet never touch it is and that those which do really first to the folial frame of Bodies, eachers to roun, and are sait were exclagatified and left. If it be the proposal proposa Ray of Light in its passage thre any refracting Substance, Ray of Lighe in in pullage there any refraching Sobtlance, in put into a certain remission: Confirmation of State, which is in put into a certain remission: Confirmation of State, which there is the confirmation of the confirmation of the confirmation of the confirmation of Reference and Practicaling surface, and between the Returns to be easily redicted by jet; which Alternation of Reflexion and Transfaciling surfaces to be probagated from one of the confirmation of the Ray of the confirmation of the Ray of the Reflexion and Transfacilino of the Ray or the Medium, or Oliveinia this is, and whether it confill that circulating or without many confirmation of the Ray or the Medium, or formerbat effic, the class can liquid to but allows the form of the Ray of the

of Light, by impinging on any reflecting or refracting Sur-face, excite Vibrations in the reflecting or refracting Me-dium, and by that means agistate the folid Parts of the Body. Thele Vibrations, thus propagated in the Me-dium, move fafter than the Rays, so as to overtake them; and when any Ray is in that part of the Vibration which confpires with its Motion, its Velocity is increased, fo that it early breaks thro a refracting Surface: but when it is is easily breaks thro a retracting Sortace: but When I is in a contrary part of the Wibration, which impedes its Motion, it is easily reflected, and confequently that every Kay is facefully diffood to be easily reflected or tranf-mitted by every Wibration which overtakes it. The turn of which Mipfonition of any Ray to be reflected, easily Fin of easy Reflexors and those of its Diffonition to be transfirmteed, he calls Fin of easy Tempolities y and to ce transmitted, he calls Fitt of edit Transmisses; and the Space between the Return, the Interval of the Fit. The Reason then why the Surface of all thick transpurent Bedies reflet part of the Light incident on Cun, and refirst the refl., is, that fome Rays at their incidence are in: fits of easy Reflexion, and other of east Transmittion. For the Properties and Laws of reflected Light, fee Reflexion and others.

Further, a Ray of Light paffing out of one Medium into another of different Denfity, and in its paffage making an oblique Angle with the Surface that feparates the Me-diums, will be refracted or turn'd out of its right Line; by reufon the Rays are more firougly attracted by a den-

fer than a rarer Medium Let man a treer vacuum certailed by diriting on the full Pint of Bodie, a but whose tay Control, by that fame fire certain they are emitted and reflected, certifing lifed differently in different Groundtances, is proved to great mentione by the fame Argaments which demotifiate Reflexion to be performed without Contact. For the Properties, 45c of refraided Light, for Refraidment, Reflexion to the performed without Contact. See the Refraid of the Refraidment of the R Levs, &c. In Hand Carytal is observed a kind of double Refraction, very different from what we find in any other Body: the Rays that fall obliquely being not only dif-perfed, with a double Refraction in one and the fame Surface, but even the perpendicular Rays themfolves are most of fem divided into two Beams by means of the fame double Refraction; which Beams are of the fame Colour with the incident Beams, and are equal in degree of Light, at leaft nearly, to each other: Whence the great Philosopher, so often cited, takes occasion to suspect that there are in Light some other original Properties besides there are in Light fome other original Properties besides those hithore hithere of described; and particularly, that the Rays have different Sides endued with feveral original Properties. For of these Refractions, the one is performed in the usual manner, i.e. the Sine of Incidence is to that of Refraction as y is to 3 y and the other in an unusual manner; and yer the Same. Rays is refracted former and the side of the side times in the one manner, and fometimes in the other, according to the various Positions which its several Sides have, in respect of the Chrystal. These Dispositions, he fhews, must have existed originally in the Beams, out having undergone any Alterations in that refpect, by the Chrystal. Every Ray of Light therefore has two oppo-

the Chrystal. Every Ray of Light therefore has two oppo-fite Sides, the one originally endeded with a Property whereon its unufual Rofriachine depends, and the other not endeded with that Property. Sit I. Neuson having oblerved the vividly colour'd Image projected on the Wall of a darken'd Room, by the San-Beans transfruirted three Prifice, to be few times as long as broad J. Gitting himfell of from other Exercitors as of this Disproportion, was led from other Experiments to the Experimentant Cracit; whence he discovered the Cause of the Phaenomenon to be, that some of the Rays of Light were more refracted than others, and therefore exited feveral Images of the Sun under the appearance of one, extended lengthwife. conclude, that Light itself is an heterogeneous Mixture of Rays differently refrargible. Hence he diftinguishes Light into two kinds, vic. that whose Rays are equally refrangible, which he calls Homogeneal, Similar or Uni-form Light; and that whose Rays are unequally refran-

form Lejet and that whole Rays are unequally refungible, which he call Herengened Light, when he call
There are but three Afficient of Light, when he
There are but three Afficient of Light, when he
had been a second to the light of Light
Herengeness and the Rays which agree in Refunghility, agree also in the other two s whence they
may be well defined Herengeness, he which agree in Refugle, they may be Hornogeness. A call, the
general Colours and their produced by Herengeness
Light, Herengeness Colours. These Definitions laid
down, be advanced reveal Programmed and the
produced to the produced the second to the
had been the second to the second to the
had been the second to the second to the
had been the second to the second to the
had been the second to the second to the
had been the second to the second to the
had been the second to the second to the
had been the second to the second to the
had been the second to the second to the
had been the second to the second to the
had been the second to the second to the
had been the second to the second to the
had been the second to the second to the
had been t

mogencal Colours, as Degrees of Refrangibility, for to every Degree of Refrangibility belongs a different Colour 4thly, Whiteness in all respects like that of the Sun's im Abby, Whiteness in all respects like that of the Sun's im-mediate Light, and of the Gual Objects of our Senfes, cannot be compounded of fimple Colours, without an in-definite Variety of them; for to fuch a Composition there are required Rays endeed with all the indefinite Degrees of Refiringibility, which infer as many fimple Colours.

as required Rays endeed with all the indefinite Degree of Reinagality, which inter as more simple Colonia of Reinagality, which inter as more simple Colonia, pating the the fame Medium. 64by, The Rays of Light on fulfilling the simple simpl the Retina, which are thence communicated by the folial Parts of the Optic Nerve into the Brain, and excite in us the Senfation of Violet Colour, the dimmetit and mefi langual of all other Colours; And their Braticles, on the contrary, which are the leaft refrangible, confirme a Ray of a Red Colours; i. e. the greatest Parisiles of Light excite the longest Vibrations in the Retina, and fo convey the Senfation of a Red Colour, as being the most bright and vivid of all others. The other Particles being diffinguifhed into little Rays, according to their respective Magnitudes and Degrees of Refrangibility, excite inter-mediate Vibrations, and so occasion the Sensations of the intermediate Colours; in like manner as the Vibrations of the Air, according to their different Magnitudes, exof the Air, according to their different Magnitudes, excite the Sentiators of different Sental. The Coloration than the Air Sental and the Colorathen of their little Rays not being any adventition. Modistantion of them, but coneate, primitive, and necellary
Properties, refulting, in all probability, from their differcent Magnitudes, must be perpential and immunitally
and the sent they have feed to the colorate of their
conference and the colorate of the Manner in which
Lipis affects our Senfex, and how it contributes to Vision,
fee Vision.

the  $b^{\prime\prime} b^{\prime\prime} b^{\prime\prime} m$ . LiGHT is also used to signify the Disposition of Objects with regard to the receiving of Lipbi; thus we say, a Painting is seen in its proper Lipbi, when its Situation, with regard to the Lipbi, is the same with that for which

it was painted.

LIGHTS ABOARD SHIPS. See Signals.

LIGHTS ADJANDSHIPS SEE SEGMAN.
LIGHTS, in Architecture, are understood of the
Openings of Gates and Windows, and other Places throw
which the Air and Light bave a Passage. In the Pantheon
all the Light comes from on high; it has no Lights but in the Dome.

LIGHT'S, in Painting, are those Parts of a Piece that are illumined, or that lie open to the Luminary, by which the Piece is furposed to be enlightened; and that for this reason are painted in bright vivid Colours; in which fenie Light is opposed to Shadow. Light is also used for the luminous Body that emits it. There are various kinds the luminous Body that emits it. There are various kinds of Liphris (general Liphri, as the Air 5 particular Liphri, as a Fire, a Candle, and even the Sun. Different Liphri have very different Effects on the Fiece, and occasion a Difference in the Management of every Fart. A great Difference in the Management of every Part. A great deal interfects depends on the Paintern choicing a rope Light fich his Picce to be limited by and a great deal more in the Cambrid of the Lights and Stankers when the Company of the Lights and Stankers when the Company of the Lights and the Company of th

Part of Painting, called Chir-shjeare, which tec. LIGHT-HORSE, an antient Term in our Emelijo Cofloms, fignifying an ordicary Cavalier or Horfuman lightly armed, and fo as to enter a Budy or Regiment; in apposition to the others, who were heavily accounted,

and armed at all Points.

LIGHTER,

A Kicle,

A close Lighter, A Huy, A Camel, An open Lighter.

feveral kinds a A Baltaft Gin.

A Camel, Å Huy. Anopon Lighter, LIGHTINESS, for Levry.
LIGHOUM ALDES, or Wood of Aires y for Aires. Ligmon Caffe, for Caffe. Legram Radions, for ladfam.
LIKE QUANTITIES, in Algebra, are fisch as are
expetfed by the form Letters, equally repeated in extl.
expetfed by the form Letters, equally repeated on the
gamming. Thus 1, and 5, and 5, ff, and 5, ff are file
gammings but a, and 5, sh, and 5, fin and 5, ff are file
for the complete of the the fame Démenfions, nor are the Letters could!) repeat-cie. Let Soyie in Algebra are when both are faitirma-tive, or both Negative; but if one be Alfirmative, and and +14, have like Signas but of the properties of and +14, have like Signas but 9f, and -1f bave unlike Signas. Like Figures in Geometry are fuch as have their Angles expend, and the Sidna about these could Angles proportional. Dike New in the Projection of the could Number of Deverse with the letter containing an count Number of Deverse with the letter containing an sphere in Plans are Parts of leffer Circles, containing an equal Number of Degrees with the corresponding Ares of greater ones. Like folds Figures in Geometry, are fuch as are contained under like Planes, equal in Number. LIMB, the outermost Parde of the Parts of the Number.

Just as are contained under like Planes, edual in Number.
LIMB, the outermost Border or graduated Edge of a
Quadrant, or the like Mathematical Inflrument; or the
Circumirence of the Primitive Carle in any Projection of
the Sphere in Plane. Adronomers observe the lower and
the upper Limb of the Sun, in order to find its true
Height, which is that of his Center.

Limb also fignifies the outermost Border or Edge of the Sun or Moon, when the Middle or Disk is bid in an Eclipse of either Luminary. Botaniils for the outer Edge Limb is also used among

Lomb is alfo used among Botanilis for the outer Edge or Border or Plants, their Leaves, and Flowers. LIMB, or LIMBUS, is also a Term in the Remijo Theology, ifseld for that Place where the Patriarchs are supposed to have waited for the Redemption of Mansupposes to have warred for the Accomption of Man-kind, and where they imagine our Saviour continued from the time of his Death to that of his Refutrection. Du Cange (ays, the Fathers called this Place Limbus, es quad fit Limbus informs. The word Limbus is also fued by the Catholics for the Place defined to receive the Souls of Infants who die without Baptifm; who have not deferved

Hell, as dying in Innocease, nor yet are worthy of Hea ven, because of the Imputation of Original Sin. LIME, Calcined Stone, Marble, Free-stone, Chalk, or other Matter burnt by a large Fire in a Kiln or Furnace other Matter burnt by a large Fire in a Killi or Furnáce bullet express to be atterwardsted in the Composition of Mortas, for building; it he Fire taking away all its Humility, and opening its Pores, for that it becomes casily reducible to Powder. Quick Line or Unitack'd Line is that which comes out of the Furnace 3 Slack'd Lone is that wish's dor fleep'd in Water, and referr'd for the making of Mortan. The belt Line is that made of the hardeit of Mortar. The best Lime is that made of the hardelt and firmest Stones, and which is slack'd at its coming out and firment stonnes, and which is black'd at its comming out of the Furnace. Sit H.Waview hooks on it as a great Error in the English to make Line as they do, of Refule, and Sulf without any Choice; whereas the Italians, at this day, and much more the Ancient, burnt their firmed Stonce, and even Fragments of Marble where it was plentiful; which in time became almost Marble again for its

hardness, as appears in their flunding Theatres, &c.

We have two kinds of Line in common afe in England; We have two linds of Lime in common a few in England , the one made of Stone, and the clare of Chall's whereof the former is much the firengedt. The made of for Walls within denor; and that made or hard Stones, for English and for platificing without doors. Good Lime may affect be made of Mill-flower, not courfe and findly, but fine and greatly 1 as also of all kinds of Flints 1 tho what hard to be made of the common the control of the conas being apt to run to Glass.

Dieuffant recommends Lime made of Sea-shells as the

boft, but Goldman finds fault with it, as being impatient of Moitture, and therefore easily peeling off from the Out Moitture, and therefore easily peeling off from the Out-fides of Walls: It is, however, the common Lune used in the Indies

Before the Stones be thrown into the Kiln, they are to be broke in pieces; otherwife the Air contain'd in their Caso proke in pieces3 otherwise the Air contain'd in their Cavities, too much expanded by the Hear, makes' em fly with for much violence as to damage the Kilts. According to Abberts and Pallades, Lime will not be fufficiently burnt in left than faxty Hours intende Heat.

The Marks of a well-burnt Line, according to Alberti, are, that its Weight is to that of the Stone in a felquial alterate Proportion; that it is white, light, and fonorous; that when flaked it flicks to the Sides of the Veffel: To which Berekler adds, that when flaked it fends forth a copious thick Smooth's and Decifient, that it needs a great opious thick Smoak d of Water to flake it.

To preferve Lime feveral Years, flake and work it up; dig a Pit under ground, into which let it pass thro a hole

open at the bottom of the Veffel. As foon as the Pit is full, cover it up with Sand, to prevent its drying; thus keeping it most till it be ufed. Exceller gives another Method; Cover a Stratum of Lune two or three foot high Method: Cover a Straume of Lase two or three foot high with another of Stand of the like height; pour on Waste enough to fake the Lines, but not to reduce it to duit after flaking. If the Sand clave; now Chinks, as the Art flaking. If the Sand clave; now Chinks, as the given hereno. The Company of the Sand Court and present thereon. The Company of the Court and Lines is much ufed by Tamera, Skimera, Ce. in the Perspansion of their Lessher.

Preparation of their Leather.
Lines, or Cale, in Chymithry, is a kind of fine Powder,
or After remaining of Mexist or Minerals, that have been
along time in a voltect Pice. Social of applied care,
ally in Deficiency and Conference of the Consulty in Deficiency and Conference of the Consulty in Deficiency and Conference of the ConMarca is did to be on acculter Mexicine, taken internally. Mostler has written an ample Account of its
Effect in the Previo Memoir, in good mexicine from its
own Experience. But he observes it facceded much
between infalling dee, chain in Fancer. It is a powerful all to terant, and like a pure Alksline Water, fitted to blunt and defiroy acid Ferments, which are the Principles of all Obstructions, and the Cause of most Chronic Diferies. ocitively actor retrievate, which are the Principles of all Oblitracions, and the Caule of most Caronic Discase. Its principal Ufe is in a Cachexy, Green-tickness, Dregify, Searry, Oblitracions of the Liver, Spicen, 3%. Its made by pouring fix Pounds of hot Water on one of Quick-Lime, leaving them to foak and macerate for the

face of 24 hours.

LIME-STONE, is a Stone of a whitish Colour, which being burnt in a Kth, enters the Camposition of Morear, Plaister, &c. which fee.

LIMITATION OF ASSIZE, in Law, is a certain Time fet down by the Statute, wherein a Man must alledge

himfelf or his Ancestors to have been feiz'd of Lands sued for hy Writ of Affize. LIMITED PROBLEM, fignifies a Problem that has but one only Solution, or which can be done only one but one only southon, or which can be more only one way; as to make a Circle past through three Points given, nor lying in a Right Line, to deferibe an equilateral Triangle on a Line given, &c. LIMITS of a Planet, its greatest Excursion or Distance

from the Ecliptic.

LIMNING, the Art of Painting in Water-Colours; in contradiffinction to Painting properly fo called, which is

done in Cil-Colours. Limning is much the more Antient Kind of Painting: Limiting is much the more Antient Kind of Painting: Till a Hessip Painter, on Gabe van Eysk, better known by the Name of John of Enges, found out the Art of Painting in Gil, the Painters all painted in Water and in Fresco alone, both on their Walls, on Wooden Boards, and elfewhere. When they made use of Boards, shey usually glued a fine Linner Gloth over con; to preven ulually glued a fine Linnen Cloth over 'em; to prevene their opening's then laid on a Ground of White; Jaffly, they mis' d up their Colours with Water and Sine, or with Water and Siles of Eggs, well beace with the Beranches of a Fig. Tree, the Juice whereof thus mis' d with the Eggs; and with this Misture they spinted their Pieces. In Linning all the Colours are proper enough, excepting the White made of Linne, which sonly used in Fretco.

ing the White mate of Lune, which is only alred in Frelco. But the Azer and Ultramarine must laways be mix-flow purith Size, or with Gum, in regard the Yolks of Eggs give yellow Colours a greenish Tincture. But there are always applied two Lays of hot Size c'er the Colours, mix'd even with Size, are laid on: the Composition made with Eggs, and the Juice of the Fig-tree, being made with Leggs, and the pales of the righters, dening unly uled for founding a Pire always at hard to keep the Size her; yet 'this certain, that the Size-Colours hold the best, and are accordingly always afed in Cartoon, 3%. This Size is made of Shreds of thin Lesther, or of Parchment.

Size is made of Shreds of than Leather, or of Farenment. To have no Limen, they chafe that which is old, half worn, and clofe. This they flamp with White Lead, or with a fine Plaifer beaten up with Size which once dry, they go over it with a Lay of the fame Size.

The Colours are all ground in Water, each by itfelf; and in proportion as they are required in working, are di-luted with Size-Water. If the Yolks of Eggs are defired, same in proportion as enery are required in working, are di-luted with Sire-Water. If the Yolks of Eggs are defired, they dilute 'em with Water made of equal Quantities of common Water and Vinegar, with the Yolk, White and Shell of an Egg, and the End of the little Branches of a Figuree cur finall, all well beaten together in an

If 'tis defired to varnish the Piece when finish'd, they go over it with the White of an Egg well beaten, and then with Varnish. This, however, is only to preserve it com the Wet: for the great Advantage of Limning confifts in its being free from any Luftre; in regard all its Colours thus void of Luftre may be feen in all kinds of Lights; which Colours in Oil, or cover'd with Varnifh, Assass

can't.

LINC

LINCTUS, a Form of Medicine the fame as Lambariree, and probably from the fame Derivation; or from Lingua the Tongue, as being to be licked up with the Linyas the Tongue, as noung to be incase up Tongue. See Estignas.

LINE, a small French Measure, confishing of the 12th part of an Juch, or 14th yarr of a Poot. The Geometricians, notwithstanding its Smallness, conceive it divided

tricians, norwi

into fix Ponts.
LINE, in Genealogy, is a Series or Succession of Re-lations in various Degrees, all defeeding from the fame common Father. Direst Line is that which goes from Fa-ther to Son, which is the Order of Ascendants and De-feendants. Collared Line is the Order of those who de-feend from fonce common Father related to the formers.

teem from some common gamer remand to the termine, but out of the Line of Afcendatus and Defendants. In this are placed Uncles, Aunts, Comfons, Nephews, Sc. LINE, in Geometry, is a Quantity extended in Length only, without either Breadth or Thicknefs, and is formed by the Motion of a Point. There are two kinds of Lines, where Right Line and Curve Lines. Thus if the Point A more one. Right Lines and Curve Lines. I has it the Point A move towards B, Fife. I. Plan Geometry) by its Motion it deferibes a Line; and this, if the Point go the nearest way towards b, will be a Right or Streight Line, whose Definition therefore will be the nearest of shortest Distance between any two Points, or a Line all whose Points tend the fame

say two Points, or a List all whole Values trend the fame way. If the Point go any way show, an in say of the way. If the Point go any way show, as in say of the way the Point of the Point of the Point of the Point as the upper A Ph 1 or 1 feet few or more fireight case, as in the lower A Ch. 10. that Pointing, are cither p. cells. Trepundealar, or oldings 1 the Continedium and Properties whereal, for outdary Pounds, are cither p.c. Zhall in his feend Book reast modify of Lines, and into one another's he Sublance of his Delptine may be than demonstrated Algebraically. (c.) If there he two number of Parts, as into a 4+e-4+-3+-a, the Rechangle under the two whole Lines is a equal to the Sum of all the Charles of the Pointing Charles of the Charles of the Recharge of the Pointing Charles of

-1-1-1-

At the state of t Z by itfelf, and the Thing is plain.

a + e 440+00 aa+ 20 c+ cc.

Hence it is plain, that the Square of any Line is equal to four times the Square of its Half. For fuppofe Z to be bifected, then each Part will be a 3 and multiplying a +a by itfelf, the thing will plainly appear. Z.

aa+aa+aa+aa=4aa.

(5,) If a Lies be divided into two Parts equally, and into two other Parts monopully, the Redangle under the me-cual Parts, reaches with the Square of the interme-tal. The parts of the will be a. Let the leffer unequal Part be r, then the by the parts of the Difference or intermodiate Parts of the (5.) If a Line be divided into two Parts equally, and into one Line.

\_\_ | \_\_

Let the first kine be a a, and the Part added c, then the whole will be a = +c, which multiplied by b; produced added to i, it will be a = +c + a, a which is equal to the Square of a + c. (c) If a Quantity of Lieb be divided any how into two Parts, the Square of the Whole added to the Square of no of the Parts, Phall be equal to reve Rectangles contained under the whole  $L_{mn}$ , and that part, added to the Square of the other Part.

Let a be one. Fur, and e the other 3 the Square of the Whole, and of the letter Far e makes as  $\frac{1}{2}$  a  $e + \frac{1}{2}$  a  $e + \frac{1}{2}$  at the north the Whole  $\frac{1}{2}$  at the property of the other fits with the  $\frac{1}{2}$  and  $\frac{1}{2}$  at the second of the other far and  $\frac{1}{2}$  at the second of the other Farta a, the Sum will be a  $\frac{1}{2}$  that  $\frac{1}{2}$  =  $\frac$ 

Let the abole Line be a+e, then four times that multiplied by e (or the Quadrupk Rechangle under that and e) will be a=e+e, set in which adding the Square of the other Brat  $a_0$ , the Sam will be a=e+e. And will be a=e+e and e+e. And with e=e and e+e and e+e. And with e=e and e+e Line.

Let the whole Line be za, and the Part added e; then the whole increased Line will be za + e, and the half Line and Part added will be a + e; the Sum of the Squares of za + e, and of e, + e + e, + e, + e, + e, and + e, + e, + e, + e, and + e, + e, + e, + e, and + e, + e

ded together.

LiNE, in Geography and Affronomy, is used by way
of Emimence for the Equator or Equinocitial Line, which,
in the Heavens, is a Circle described by the Sun in his Course on the 11st Day of Murch, and the 21st of Septem-ber. On the Earth 'tis an imaginary Circle, answering to that in the Heavens. It divides the Earth from East to that in the Heavens. It divides the Earth from Egil to High into two equal Parts, and is at an equal Dilatano to High into two equal Parts, and is at an equal Dilatano to High into the Horizon Line, the Line, have the Foles always in their Horizon. The Lati-tudes commence from the Line. The Scames use to dock their Patfengers the first into they car the Line dock their Patfengers the first into they car the Line dock their Patfengers the first into the Line and the first the Line and Line and Line and Line and Line and the Line and Line and Line and Line and Line and Line and the Line and Line and Line and Line and Line and Line and the Line and the Line and Line an

or Advance Guard; the Main Body torms the tecond, in which is the General's Polt ; the third is a Referved Bo-dy or Rear-Guard. Tisa Rule to leave 150 Paces di-flance between the first Line and the fecond, and twice as much between the fecond and third, to give room for

raitying.

Line is also understood of the Disposition of a Fleet on
the Day of Engagement; on which occasion the Vessels
are always drawn up in one Line: A Ship of the Line, is a
Vessel large enough to be drawn up in the Line, and to

Veffel lings comply to be drawn and warped the Line, as it was place in Soft-Fight.

LIKE of Domestein, or Alexandrian Hart, is a Meridian patting over the Month of the Kirck Miragons, and from Pape Alexandre VI. who to send the Different between the Corner of Coffice and Perropal, about their Roundrian in 1493, drew an imaginary Line on the Globe, which was to cerminate the Teterafions of each of Coffice and Perropal, about their Paper of Coffice and Coffice and

the Cafilians.

LINE of Direttion, in Mechanics, is that, according to which a Body endeavours to move. The Term is a life under offiging the Line that pellifse thro' the Center of Gravity of the heavy Body to the Center of the Earth; which must allo past thro' the Faderon or Support of the heavy Body without which it would be.

LINE, in Fencing, is that directly opposite to the Enc-my, wherein the Shoulders, the right Arm, and the Sword ought always to be found; and wherein are also to be placed the two Feet at the diffance of 18 Inches from each other. In this fense a Man is faid to be in his Lene, each other.

each other. In this fende a Man staid to be m his Line, to go out of his Line, &c. LINE, in Fortsfication, is functimes taken for a Ditch bordered with its Parayet, and formatimes for a Row of Gabions, or Sacks of Earth, extended in Length on the Ground, to ferve as a Shelter against the Enemies Fire. Thus they fay, when the Trenches were carried on within thirty Paces of the Glacis, they drew two Lines, one on the Right, and the other on the Left, for a Place of Arms. the Kight, and the other on the Lett, for a Fisce of Arms. Line fundamental is the first Line drawn for the Plan of a Place, and which shews its Area. Line Capital is that which is drawn from the Angle of the Gorge to the Angle of the Battion. Line Capital is that which is drawn from the Angle of the Center to that of the Battion. from the Angle of the Connet to that of the Battion. Low of Dyfesse, is that which represens the Connet of the Bullet of any fort of Fire-Arms, more effectably of ought to have to deficiate Fix or the Battion. Low-ought to have to deficiate Fix or the Battion. Low-Dyfesse Fixed, or Folosas, islats which is drawn from the Angle of the Connet and the Fixed of the Poption Battions, but yet without tunching the Pacco of the Bat-tics. This multi never exceed loss Feet-which they peckod the Different very large that the Pacco of the On-ther and the Connection of the Actual Policy of the Connection of the Co the Dilance at which a Marguer-Ball will de Execution.

Lowe of Infelier Reason, it aliat which being drawn from the Lower of Infelier Reason, it aliat which being drawn from the property of the Ballion; this is a file called the Lowe of Defence, Swingers, or Homes, How of Jepsen, or America, Francisco, Lower of Lower, to gain the Martin, Lower of Proceed, or America, for Commensation, is a Lowe or Treach out by the Belier Grownstandine, is a Lowe or Treach out by the Defence of the Belief of the Beliefeged. Line of Desarrollams is a Relief of the Beliefeged. Line of Desarrollams is a Relief of the Beliefeged. Line of Desarrollams is a Relief of the Beliefeged. Line of Desarrollams in the Relief of the Beliefeged. Line of Desarrollams is a Statistic of the Gartine, Line of Treach, and to hope the Sallies of the Gartine, Line of Desarrollams in the Reliefeger to th

wherein the Geometrical Plane and that of the Fifture or Draught interfect one another. Let of the Form, in Perfpective, is any right Line parallel to the Terrefield Line. Line Former in Ferfpective, is to common Sec-tion of the Vertical and of the Draught. Line Fifture is the Line or Ray imagined to yaif from the Object to the Eye. Line of States in Perfpective, according to form Writter, is the common Section of the Vertical and Geometrical Planes is described in the Perf and the Geometrical Planes is described in the Perf and the Common Section of the Perf and the Perf and the Common Section of the Perf and the Perf and the Common Section of the Perf and the Perf and the Common Section of the Perf and the Perf and the Perf and the Common Section of the Perf and the Perf and the Perf and the Common Section of the Perf and the Perf and the Perf and the Common Section of the Perf and the lar Height of the Eye above the Geometrical Plane, a others a Lime drawn on that Plane, and perpendicular to the Line, expressing the Height of the Eye. Line Go-jession, in Perspective, is the Line of an Object, from whence the Appearance is sought for in the Draught or

LINE of Gravitation of an heavy Body, is a Line drawn thro' its Centre of Gravity, and according to which

it tends downwards.

LINE, Horizontal, in Dialling, is the common Section of the Horizon, and the Dial-Plane. Line Horary, tion of the Horizon, and the Dial-Plane. Line Horary, or the Hour-Lines, are the common Interfections of the Hour-Circles of the Sphere, with the Plane of the Dial-Hour-Circles or the opener, with the Fines of the Dini-Line Subjivier, is that Line on which the Style or Cock of the Dial is crefted, and is the Reprefentation of fuch an Hoar-Circle as is perpendicular to the Plano of that Dial. Line Expainables, in Dialling, is the common Interfection of the Equinocial, and the Plano of the

Dial.

LINE of Medfarts; fo Mr. Oudore cells the Diameter of the Frimitive Circle in the Projection of the Options to of the Frimitive Circle in the Projection of the Option to the Option of Plans, it is that Dori to which the Plans of a great Circle perpendicular to the Plans of the Projection, and that oblique Circle, which is to be projected, interfedit the Plans of the Projection; or it is the common Selfon of a Plans, a right throw the Projection of the Option of the O the common Section of a Plane, passing thre' the Eye-Point, and the Centre of the Primitive; and at right An-gles to any oblique Circle which is to be projected, and

in which the Centre and Pole of fuch Circle will be LINE of the fwiftest Descent of an heavy Body, is that Curve which a Body would describe in its Descent, if it

noved the fwifted poffible.

LINE of the oplice, in a ftronomy, is the Line which into the oplice, in a ftronomy, is the Crite which into the oplice, or the greater Axis of the Orbit of a lanet. See oplica.

anet. See Apfides.

LINE FIDUCIAL. See Fiducial Line.

HORIZONTAL LINE, a Line Parallel to the Hori-

non. See Hericon.
MERDIAN LINE. See Meridian.
LINE of the Nodes, in Advancomy, is the Line which
ions the Nodes of the Orbit of a Planet, or the common
section of the Plane of the Orbit with the Plane of the

som the Action of the United at Hanest, or the common feelings of the Ecliptic. See Noble.

Linking of a Projection See, Propagation of the Link of the Linking of the Hanest See, Propagation See, Propagation See, Propagation See, Propagation See, Propagation of Security Linking See, Linking of Artificial Tanggament, Linking of Artificial Tanggament of the Meridian Linking of Artificial Tanggament of the Meridian Linking of Artificial Tanggament of the Meridian Linking of Linking Linking See, Linkin

one as may be folved Geometrically by the Interfection of one as may be folved Geometrically by the Interfection of two right Lines as to measure an inaceffille Height by the means of two unequal Sticks, &c. This is also called a sumple F-silven, and is capable but of one Solution, Linear Numbers are fach as have Relation to Length only, as fach as represent one Side of a Plane Figure; if the Plane Figure be a Square, the Linear Number is called a Root

called a Root.

LINE-SEED, a Grain, that has feveral ultiful Properties. It enters the Compositives of Feveral Middlicine, and yields, by Experficion, and Oil that has motif or the Qualities of Nat-Oil, and is accordingly fometimes used in lites where of it stiming, and to hum. That drawn without the Adilliance of Fire, is of much Eftern in Middlicine, and lapped good in the Cure of Gevent Differies.

LINGOT, or INGOT, a Bir or Prece of Gold, Salver, Use from the Composition of the Composition, but not coincide. or wrought.

Linger, is also a Term in Chymittry, for the Molds they take to call melted Metals, or the Regulus of Antimony,

gG. into.

LINGUIA, the Tengage, in Anatomy, an oblong Member, whole Form and Sinusion are infeciently known, principal Información and infeciently known, principal Información of Specia and Delguitton. It is infaticad to the Os Hyades, the Laryaw, and to the Finero, by means of a membranous Ligament running altery the contract of the Property of the Property of the Contract of the Property of the Contract of the Property of Mulcies, which are covered on the upper Part with a month of the Contract of the Property thick and floor, and full of Papille, of a Pyramidal Figure, effectally result to the Property of the P

These spices or Papille are so very minute and slender in Men, that they make the Coat appear on the upper Part to be villous; elpecially as they approach nearer to the Root. The Figure of the Papilla, in human Tongues, is not for plainly differnible to the naked Eye as not to need the Miplainly differnible to the naked Eye as not to need the Nit-coforo. In Brutes they are generally larger, differ, and more confpicuous, and in fome almost cartilagenous, as may be felt in the Tongase of Cast, Oxen, but more fen-fibly in Loos. On the upper fide, at a little diffance from the Tip, this Humbrase obcourse thin, finouth, and glabrous, and, as it were, polithed by the lower Parts of the Mostah whereon it fides.

the moath whereon it fides.

Under this lies a thin foir reticular kind of Cost, punched through with immunerable Holes, and always lined with a thick and whire yellowith fiduces. This Mombrane is fo exceeding tender, and full of Mucus, that it is not to be examined by the saked Eye unlefs boiled; by which it grows tough, and eafily feparable from the external Membrane, and from the nervous Part of the Toogue which lies immediately under it. After boiling it ap-pears like a kind of Gawfe, between whose Threads inpears like a kind of Gawle, between whole I breads in-mancrable Holes appear, through which the Apices of the papillary Body underneath it are exerted. This Membrane on the upper Side, next the outward, appears whire, with a Call towards yellow, but black on the Side next the Tongue.

Many Authors don't allow this to be a Membrane, and

will only have it to be a Mucus hardened by boiling; but fince it has fo much of the Refemblance of a Mem-branc, and that Authors agree in allowing two Membranes to the Tongue, Dr. Drake does not feruple to number it among them; fince there does not appear to be any other fecond Membrane: reckoning, with Maleggis, the fmooth Part under the Tongue, a Part of the oater

Membrane. Immediately under this appears a nervous papillary Body spreading itself to a pretty Thickness over the whole Surface of the Tongoe. This Body, on the un-der Side, is every where level and smooth, except in der Side, is every where level und femoch, except in the florm few Piese, where it is consected in the fubbeaut to it. Majezish dillinguishten the Papille, which make the principal Part heroof, into threat holds, from their different Magnitudes and Figures when observed with the ML the constraint of the Majezish distribution of the Majezish and Figures when observed with the ML the Majezish and Figures when observed with the Majezish and Figures when observed with the Majezish and Majezish and Figures when observed with the Majezish and Majezish Papille, which are the immediate Organs of Talting, find their Apics, or Extremities, through the mutous Membrane, into the pynamidal Papille of the outward Membrane, which are hollow to receive them, and feem to be nothing elfe but a kind of Cafes to defend thefe nervous Papille from Injuries which the Salts and Afgerities of thole Bodies, which we take into our Mouths,

nervous Psylle from Injuries which the Sala and Argermight do them.

The reft, and much the greated Part, of the Body of
Might do them.

The reft, and much the greated Part, of the Body of
All the Part of the Body of the Month of the Sala and Argermight do them.

The reft, and much the greated Part, or that for the Sala and Sala a

Heads.
Befides the Mufeles, the Tongue is allo moved by a Bine financed at its Roce, and making as it were its Bafis, called On Hwister, which Roce, Longsthwife, rans a Scam, call'd Linear Medaums, which divides it to the bortom into two equal Tarts, but not for checkbally, but that the Bloed-Verfels of one Side communicate with that the Blood-Veffels of one Side communicate with hofe of the obley. Thefe Veffels are Arteria from the Caronides and Veios called Razule, and are very config-iouse about the Framou ander the Togue, ferring to recon-vey the Blood to the external Jugulars. Thefe Veios are frequently opened in the Angina, and are the laft Recip of old Women in this Cafe. The Newton of the Tongue

come from the fifth, fixth, and ninth Pairs; the two first of which have been called Gustatoris, and the latter Moss-

Howfoever necessary an Organ the Tongue be in Speech, Howlower necessary as Drgan the a ongue to an Specen, See, yet Sac. Relands has publified an Account of a Mouth without a Tongue, which spake perfectly, and performed its other natural Functions; the Person to specific specified by the specified of the person of specified by the specified of specified specified of specified of specified of specified of specified specified of specified specifie fpeaks of is Per. Darana, who loting his tongue by a Gangreen, could yet fpeak perfectly, as also tale, held low, and chew his Food; which lad, however, he could only do not hat Sido be put it into, being unable to turn it to the other Side of his Mouth.

it to the other bade of his Mouth.

LINIMENT, a Topical Remedy, ferving to foften the Affertines of the Skin, and to moilton thofe Parse that act to be foftened, for refolving the Humous that affect the Patient, and give him Pain. There are various kinds of Limisterii utied according to the various Occadions. The medical conditions of the various Creations and and an Unguent.

The word connect from the Limit Inner,

LINSTOCK, is a flort Staff of Wood, about three foot long, having at one end a Piece of Iron divided into two Branches, each of which hath a Norch to hold a Piece of Match, and a Serew to futten it there; the other end of the Staff is all of hold with Iron, and pointed, to flick into the Ground. It is used by the Gunners in firing

Canona. LINTEL, in Architechure, the Piece of Timber that lies harizentally over Door Folts and Window-Jamms, as well to bear the Tabicates of the Wall over, it as thin the Solds of the Walls together.

LINUM CATHARTICUM, Monntain-Flax; this is much field by controls beaple. It is a rough barth Furge, much field by controls beaple. It is a rough barth Furge, the state of the Cathartic Catharti buff Conflitutions

ball Confirmines

ball Confirmines

All Michael Steve Colors, and a wordly Texture; resentilling of finall Threads or Longitudinal Fibers, enduced with the wagnetic Property of childly Fire, and remained with the wagnetic Property of childly Fire, and remained to the confirmine of the Color LINUM INCOMBUSTIBILE, a Mineral Subflance, in Tarary, at Namer in the Low Countries, in Thuringia, among the Mines in the Old Noview in Egypt, in the Mountains of Acadia, at Pascoli in the Island of Corfice, in the Island of Anglesey in Wales, and in Aberdeenshire in

The Naturalitis generally reckon it among the Stones, whence its Appellation of Lapu Albifon, &c. but Dr. Plos rather judges it a Terra Lapidofa, or middle Subflance, between Stone and Earth. As to its Generation, the fame Author takes it to be a Mixture of fome Salt, the tame Author takes it to be a Mixture of fome Salt, and a pure Earth without Sulphur, coagulated in the Winter, and hardened by the Heast in Summer. The Salt J. Heffus fays is a liquid Alum, of a milky Subflance, inclining to yellow, that frecars out of the Earth, and fmells like rotten Cheefe.

imells like rotten Cheese.

As to the Art of managing this Mineral, and of fpinning and weaving it, \$2^{n}\$, the Accounts we have are various. Signior Gajagarate, Superintendant of fome Mines in Italy, gives us the Art of reducing it either into a very

in 1stb, gives us the Art of reducing it either into a very white Exper, or very white Exper, either of which refitts the most violent Fire.

Mr. Lidy's took forme cut till be seen as we was a seen of the form ly to flir it about confiantly before putting their Mold in; confidering it as a far more ponderous Subfiance than what they used, and confequently, if not immediately taken up after it was agitated, it would fubfide. The

sace woosty, which is atterwares well warned from Fifth; being thus purged, it is frun into Thread like other Wool, and atter, were into Cloth, which, if foul or footed, they cleanfe, he fays, by throwing it into the Fire for an hour's time, whence it comes our unhurt, as white as Snow: Which very Method, according to the Account given us by Stralo, feems to have been used in ordering the Cretan Amianthus; with this Addition, that after it

the Oraca Aminathus; with this Addition, that after it was pounded, and the cuttly Part Equanted from the woodly, he tiye it was combod; and fo does Agricale. Signor Goospan, after delectioning four first of the Little Signor Cooppan, after delectioning four first of the Little Conference of the Con tone time to soak; I then opened and civitate if with its Hands, that the carrby parts might fall out of it, which are whitiff like Cholk, and ferve to bind the thready Part together. This makes the Water thick and milky. That Operation he repeated fix or feven times with fresh Water, opening and figue-taing it again and again, till all geneous Parts were washed out, and then the the heterogeneous Paris were walhed out, and then the Flasklike Paris were collected and laid in a Sieve to dry. As to the spraing, he first shews a Method dif-covered to him, which is thus: Lay the Amiasphas, eleanfied as before, between two Cards, such as they eard Would withall, where let it be gently carded, and then elaps d in between the Cards, so that some of cientific a better, reverence, the cases, usen at they there expert in between the Casely, for that flowe of it may hang our of the fides; then I sy the Casels fail on R. The Case of the

purified.

This kind of Linnen Cloth was highly effeemed by the Antients; the then better known and more common with the the Antients is the then better known and more common than among us, being held equally precious with the han among us, being held equally precious with the incheft Fearls; nor is it now of mean Value even in the held of t

Paper has made of a proved courfe, and apt to tear, but Pfle y and the Princes of Tarmy, according to the day conducted both lair and Fire very well y the lat only turns—canns in the Philipsphical Transfalasses, fill life is at this good with the Vollecae of the Fire, and the Tarmy according to the day to be the principal to the Conductive of the Lat.

In the Philipsphical Transfalasses, fill life is at this particularly to the Late of the Late o day in burning their Doul. Some of the Antients are find to here made themselves Colondo (it, particularly fails to her made themselves Colondo (it, particularly fails to her made to the proposed Lamps, according to the Lifety, even from the first and we are could that deposite Conno of Malan half themselves (Robes Neels, and Papered it. A Handleechele extent of the Colondo (it is the Colondo of the Colondo of the Colondo (it is the Colondo of the Colondo

III/OTIYMMA, of LIDONYCHIA, in Medicion, is a fedded Diminucion or Fallance of aminal and vital Actions, otherwise called a Swoming or Deligium. In features, otherwise called a Swoming or Deligium. In the same of the same

IIIPTUDO is a Difference of the Eve, etherwise cittle Better Experity; confining in the Outgo, out of a thick visions Itamore, which shockeding, brids the Eye-list the Oppolation is which for the Oppolation is the Oppolation in the Oppolation is the Oppolation of Oppolation is the Oppolation in the the Oppola pear by the freephalous and cancross Hannours to which is a fullyied. The Mantfelor of which the outer Parts of the Life contile, are either common to them with other the Life contile, are either common to them with other the Life contile, are the Life continued to the Life contile, and the Bookeninger.

The Life have its Pair of Marties belonging to them, and under Life, the other three and the fingle one common to both Life; "The peculiar are the Artisless Life common to both Life;" The peculiar are the Artisless Life and under Life, the other three and the fingle one are information to the control and the state of the Artisless are information and there common Pairs are, the Zyparmir out, the Life of the Artisless are the Artisless and the Artisless and the Artisless are formed with the Artisless and the Art

All the Parts are ferred with Blood by fome Bran-ches of the Carotids, which the Veins carry back to the external Jugulars. Their Nerves come from the 1th, centeria Juguian. Their Nerves come from the star ofth, and 8th Pair of the Head, and some from the Pair Acetssians. The Leps have a great share in the Action of Speech, and are of good Use in taking in the Food,

Ge.

Lips are alfo ufed to figurify the two Edges of a Wound, and the cuterior Parts of a Wound's Priviles.

LQUEFAGION, an Operation, by which a following the Common Priviles.

LQUEFAGION, an Operation, by which a following the control of the co flead of Liquefallion, we ordinarily use the word Fusion, which see.

which text a Body that has the Property of Fluidity 5 and befides that, a peculiar Quality of wering other Bodies immerged in it, artifagi rom fome Configurations of Particles, which differs them to adhere to the Surfaces of Bodies contiguous to them. See Fluid.

Lipini, among Grammarians, is a Name applied to certain Configuration profession where See Jund.

arc Lunud:.

Liquid is fometimes also used by the Civilians; thus Goods or Effects, that are clear and out of dispute, are faid to be liquid.

are taid to be septial.

LIQUIDATION, a Reduction and Afortrainment either of fome dubicus diffuurable Sum, or of the refrective Pretendions which two Perfors may have to the fame liquid or clear Sum. Lymidation is also used for the Order and Method a Dealer endeavours to establish in his Вывыры

Affairs. Liquid Debts and Effects are such as are not only really exitting, but such as there can be no Dispute a-

Dour.
LIQUORICE. See Glysyribia.
LISTS, or LISTEL, in Architecture, called alfo a Citflure, Filler, and Reglet 3 a little figuare Moulding, difpord in certain Farn of Columns, ferring to crown or
accompany larger Mouldings, and to feparate the Flutings of Columns.

ings of Columns.
Lift is alfo ufed to figuify the inclosed Field, or Ground
wherein the autient Knights held their Joutis and Comhasts. It was fo called, as being hermalf oround with
Pales, Barriers, or Stafkes: form of finele were double,
one for each Cavalier; which kept them apart, for hat
they could not come nearer each other than a Spear's
length. De Garge derives the Word from Likes, which in the Age of corrupt Latin, was used for the inclosures of Fields and Cities, as being antiently made with Cords inter-laced; or from Lifte, quia Campum claudebant inflar

Liffarm panni.
Liff, the Border of a Stuff, or that which bounds its
Width on each Side. All Stuffs of Silk, Wool, or Coston bare Lift. Lifts contribute to the Goodnels of the
Stuff, and further ferve to flow their Quality 3 which
has given occasion to feveral Regulations relating to their

word. "And foreign free in how where Quality; which has given occident of beer all Regulators claiming to their Minror, Colour, Work, Ur.

Minror, Colour, Work, Ur.

Baboul, confile in the Minror of the Extra of the Minror, Colour, Work, Ur.

Baboul, confile in the Minror of the Extra of the Minror of the Care and Father and the Minror of the Care and Line Set Dysamor termined bluston, or to trace the Minror of Mi

Grand Jiany, is judged to have taken in Rife.

Linesy, among us, is a Form of Prayer lung or faid in

Churches, confixing of feveral Periods, or Articles; at

the End of cach whereof, is an Invocation in the fanne

Terms. The Word comes from the Greek Arzysie, Sup
Pleasion. Person would go further, and derive the skyling

or Alom of the Greeks, from the Chie Lin; Pent, Solem.

Silver.

nity.

LITHARGE 3 there are two Kinds of Lotharge, the
one natural, the other artificial. Natural Litharge is a
Mineral fometimes found in Lead Mines, reddiffi, fealty,
brittle, and fomewhat refembling white Lead. This
Litharge is fo exceeding rare, that the Shops fell none but the artificial.

Artificial Litharge is of two Kinds, viz. that of Gold, and that of Silver; or rather 'tis the fame, with this dif-ference, that the one having undergone a greater Degree ference, that the one having undergone a greater Degree of Fire than the order, has occasioned different Colony, or Fire than the order, has occasioned different colony, or over well agreed what the despited Lisburg is a Smer Ry's a Mentille Seam raid on the Sorfice of Lead, when mobile a triple of the purply Gold, Silver, when mobile the strength of the purply Gold, Silver, from their Mentil and with the Load, under a purply in the strength of the Sorfice of Lead, and in purply in the strength of the Sorfice of Lead, and in purply in the Lead intelled in the refining of their Mentils, and edpecially Copper's which laid coloned to the great Colonial Co

are much more request than those or costs and Silver.

Libbarrel are deficcative, deterfive, and cooling 5 they
make the Confidence of feveral Plaisters. The Potters
use them to give a beautiful Gloss to their Wate; and ute them to give a beautiful Grots to their ware; and they are alfo uted by Painters, Dyers, Skimers, and Glaziers. When mix'd with Wise, they give it a bright fryightly Colour, but render it extreamly unwholefume. The Word is composed of the Greek Asse and Asymy 3wear.
LITHOTOMY, an Operation in Chirungery, performed upon a human Bedy in order to extract the Stone
out of the Bladder. This is performed three feveral
out of the Bladder. This is performed three feveral
and the high department. The protection of the present of the
stone, by the Fingers of the Operator, has been brought
to the third the stone of the little field of the
stone, by the Fingers of the Operator, has been brought
to a three difficulty by reading in the protection of the
standard distinct, by reading in the byte of the
latter to the stane of the latter to
In the vertex of Poopasse, which is that are offened to more).

great Hasard and Inconvenience.

In the great Appearas, which is that ordinarily praife, fed, after the Patient is conveniently placed and bound, the Operator involvedes a proper influment throw the Operator involvedes a proper influment throw the State of the Control of the Control of the Control of the State of th

bring away the Stone. This way is called curting upon the Saiff.

The third Method, called allo the High Operation, has been long lines described, and fittenseally plended for been long lines of the lines of line

advantageous

The Manner of proceeding herein, is this: After the
Bladder is injected with a fufficient Quantity of warm Bladder is injected with a Tutticient Quantity of warm Water, and the Patrict conveniently placed, the Opera-tion of the Patrict of the Patrict, along the water of the Patrict of the Patrict, along the water of the Patrict, and the Patrict, along the the Carone. The Advantages amonding this Method, are, the Soore. The Advantages amonding this Method, are, the Soore. The Advantages amonding this Method, are, the Soore. The Advantages amonding this Method, are, well with the Patrict of the Patrict of the Patrict of the world entitle the Method of the Patrict of the Patrict of the world entitle the Health of the Patrict of the Patrict of the world entitle the Health of the Patrick of the Patrick of the world entitle the Health of the Patrick of the Patrick of the Patrick of the world entitle the Patrick of the Patrick of the Patrick of the world entitle the Patrick of the Patrick Persons being apt to morrify: morcover, if the Operator

Tribus sching apt to instruy; moreover, it the Operator be not very cautious, he may easily let out the Incidines, LITTER, a kind of Coach, or Vehicle born upon Shafis, antiently effectued the moft eafly and gentred Way of Carriage. Pliny calls it the Travellers Camber. It of Continued and Proceeding to the Continued and Continued

per as to a Bed.

LITTORAL SHELLS are, with the Writers of Na-tural Hiftery, fuch Sea-Shells as are always found near

tural Hifforty, fuch Sea. Shells as are always found near the Shorea, and never far off in the Deep ticks as are found in the bottom of the Sea, remote from the Shore, they call 'uniselina, and Pedpare. LITURGY, a Term figuritying all the Ceremonies booging in general to the Divine Office and Service. In the Ceremonies of Signification, it is used among the Remon-milis to lightly the Mids, and among as the Common-milis to lightly the Mids, and among as the Common-

(463)

LIV

Prayer. All who have written on Lisargies agree, that in the Primitive Days Divine Service was exceedingly fimple. only clogged with a very few Ceremonies, and confifting of but a small Number of Prayers; but by degrees they increded the Number of external Geremoniae, and sal-ded new Prayer, om make the Office loub more sweedle and venerable to the People. At length things were cer-riculo for fair patch, then at Regulation become necessity as the Company of the Company of the Company of the new of the People of the Writing, and this was what they called a Linusy. The Langue have been different Times, and in different Countries. We have the Languy of Six Copplage, that of Six Teny of Six Jimes, Type of the Company of the Copplage, the Company of the Type of the Company of the Copplage, the Six Six Linusy, the Gellean Linusy, the English Linusy, the Confident Linusy, Sy, the Spanje and African Linusges. The word comes LITTES in the Genes as Linusges. increased the Number of external Ceremonics, and ac

LITUS is the fame as Linimentum, which fee.
LITUUS, among Medalifts, is a Staff ufed by the
August, made in furm of a Crozier. We frequently fee
it in Medala, along with other Pontifical Infruments. 18 m Medals, along with other Youtifical Infiruments. Adias Gebins (say, it was bigger in the place where it was crooked than elfewhere. Some derive the Word from the Greek AJG., fomething ther makes a firstill acute Sound, which was a Property of this Infirument.
LIVER

which was a Property of this Inferement. LIVER, a large glandlous Vifeus, of a red languine Colour, fituated immediately under the Diaphragm, in the right Hypochondrium, which it stimed fills, and theuse fixetching itelf over the right Side of the Stomach research. The theory of the colour of the Stomach Colour, francied unmechanty under the Duphyagen, in the these ferrechings for ever height Selbs of the Summel-tense francings for ever height Selbs of the Summel-tense francings for ever height Selbs of the Summel-tense francings for the control of the selbs of the Summel-tense for the Selbs of the Selbs

Ligaments ferve to keep it in its due fituation: beide which it has fome other Connections by the Blood-Veffels

which it has fome other Connections by the Blood V-right.
The Zero has Mooies, though not proper to irief, it.
The Zero has Mooies, though not proper to irief, it.
The Zero has Mooies, though not proper to irief, it is not to the property of the control of the Connection, it must need to be just Motion, and in Expiration be drawn up, and in Infrastructure of the Mooies of the Connection of the Connection

fiderable ones, The Internal Labes of the Lover.

The Glands adhering thus to the Veffels, and conftituting those Lobes, are wrapped up together in proper Membranes; whence this Appearance of diffine Lobes. Every one of these Glands, according to Malpenia, is composed of fix nnequal Sides or Faces. They are all cloth'd with their according to the Composed of the Composed Membranes. poied of his anoqual bides or Faces. They are all cloth'd with their proper Membranes, and have each an excre-tory Dud, feveral of which joining together, form little Trunks, which run all along with the Branches of the Porta's and thefe again uniting, form longer Trunks, which are always found full of bile, and conflitute the Pown Bilarius; which being diffributed all over the Lis-

eer, receives, in the foregoing manner, the Bile; which is feparated by these Glands, and terminating in the Mea-

tus Hepaticus, and that in the Dustus Communis, at length discharges the Bile into the Dussenson.

activatings the Bulle into the Doubleman. Before this Discharge by the Paras Blainia, which is Before this Discharge by the Levers Blainia, which is of its Bulletine and the Bulletine and the Bulletine and the Bulletine and the Gall Bulletine by Califors; by means whereof there is an immediate Communication between the Paras Blainian and the Gall Bulleder; a particular Defoription of which two laff Barrs, fee under the world Gall and Bull.

Gold and Bate.

Befields their Gall-Veifels, which are peculiar to the Zerer, it abounds with Blood-Veifels, effectivity-freing years whole Substance of it. And here it is particularly remarkable of the Pers, that after the manner of Arreirs is floors infelf from a Trank into Branches, and bring at lall loit in Cepillaries, delivers the Blood iron than the Branches and bring at lall loit in Cepillaries, delivers the Blood iron than the Branches and bring at lall loit in Cepillaries, delivers the Blood iron the Branches and Branches Heart. The Porta is formed out of the Concurrence of divers

The Fore is formed on of the Concurrence of divers Verins, which, meeting together, make one of the most considerable version Tends of the Body, as to the Bulk's for in a Tarak, has it food distributed again by Ramilier and the Tends of th

themfelves on the Membrane and Surface, disappear. The Lympheducts are numerous, tho not casily discemble in human Subjects, for want of live Diffections; but in other Animals, that may be diffected alive, become very confpicuous, by applying a Ligature to the Perta and the bilary Duch. For the Ufe of the Liver in the Secretion of Bile, fee Bile.

of Bills, the Bills.

Then, and obsers of the Amisons, fix the Principles of Parlon, and obsers of the Amisons, fix the Principles of Section 2 and in this fine I fewer frequently after the sund, as when he Bays, Sterrey Fore great Linesons. The state of the Section 2 and the Secti

to diffinguish himself from others. Leverier are usually atken out of Fancy, or continuoud in Families by Succession. The antient Cavallers, at their Tournaments, distinguished themselves by wearing the Liverier of their Militersten. Thus People of Quality make their Domestic wear their Levey. Fasher Mengriers, Inhis Treatile of Gravelait, has given a very simple Account of the Minteres of Colourn in Leverier. Dies tells us, that Ousside Colourn in Leverier. mens was the feft who invented green and blue Colours for the Troops which in the Circus were to represent Land and Sex Fights. The Remijo Church has allo her leveral Colours and Liveries, white for Confessions of Virgins, and in times of rejoicing; black for the Dead; red for Aposilles and Martyrs, blue or violet for Penitents,

red for Apolitics and marryrs, blue or violet for remains, and green in times of Hope.

Formerly Great Men gave Liveries to feveral who were not of their Family or Servants, to engage them in their Quarrels for that Lear 5 but this was prohibited by the Statute 1 Hen. 4. and no Man, of whatever Condition, was allow'd to give any Livery but to his Domeftic Officers and Council learned in either Law.

LIVERY, in Law, is the Delivery of Pofferfion to thoir Tenants which held of the King in Capite, or Knights Service. In another Signification, Livery is the Writ which lies for the Heir to obtain the Pofferfion or Seizin

which lies for the 11-kt to 'chain she Patiellian or Sciin of hi Lands at the King's hands. Patiellian or Lands. The Lies of the Lands at the King's hands. Patiellian or Lands. The Lies of the Lands at the Lies of the Lands at the Lies of the Lie Acceptance by the other rarry of all that wherever use mrt. bas diveled himself. The common Manner of the Delivery of Sengie is thus: If it be in the open Field where is no Houfe nor Buildings, and if the Elitare pals by Deed, eoe openly reads it, or declares the Elited of it; and after that is feeled, the Vendor mkes it in his band with a Clod of Earth on a Twig or Bough, which he delivers to be Vendor in the name of Politifican of Sensin, accerto the Vendee'sn the name of Foliction of Seizna, accor-ding to the Effect of the Decel. If there be a House or Building on the Land, this is to be done at the Door of it, none being then left within a noth the Ring of the Door is delivered to the Vendee, who enters alone, fluts the Door, and preficulty opens it again. If it be a Houfe without Land or Ground, the Livery is made and Policiwithout Land or Ground, the Livery is make and Folicies of given by Delivery of the Ruley of the Door soul Beed from given by Delivery of the Ruley of the Door sould Beed Folicy of the Ruley of the Ruley of the Ruley of the Beed folicy of the Ruley of Science of the Ruley of th

Sensin. See Invefiliner.

LIVRE, an Intragionary French Coin, confifting of twenty
Sols, each Sol again containing twelve Denices: which
way of comparing the Coin has been in ufe in that Country ever fince the Time of Cha-lengues' plefore whom
they ufed the Roman Libra. The Libra is of two kinds,
the Liver Tournist and Parifit. The Liver to Taurnist, as
above, contains as Sols Tournis, and each Sol 12 Denices abore, condains 20 2018 I seemes, and each out 21 Lecutes. Thereist. The Liver Englis in 20 Sols Farifit, each Sol Farifit worth 12 Deciers Farifit, and each Sol Farifit worth 21 Deciers Farifit, and each Sol Farifit worth 21 Deciers Farifit englished to 21 Deciers Thronis. So that a Liver Farifit leng used in opposition to Tamenia, by reason of the Rate of Magory, which was a more at Farifit being affect on Principle Solventian 15 Tamenia Control C Sterling is equal to 13 Livres, 6 Sols, 8 Deniers of French Money, supposing the Exchange to be on the foot of 54 Pence Sterling to a French Crown of 60 Sols Tournes; 5

which is the prefent Par between England and France.

The Origin of the Word is fetch'd hence, that antiently the Roman Libra or Pound was the Standard by which ly the Remine Libra or Pound was the Standard by which their Maney was regulated; weren's Deb being made equal to the Libra. By degrees the Libra become a Term of Account, for their 200 foil pill words to Soft was a Love have been made on the foot of this Imaginary Cois. The the Soft haste fromeword the chief of the Weight and Alloy. Since, Weight May be the Soft and the Soft haste from the Values Intent the Cois and the Cois of Soft of the Values Intent the Cois and the Cois of Soft of Soft, and that the Imaginary Cois became Red. More work and that the Imaginary Cois became Red.

and thus the imaginary Com became Real.

It appears that the Remains had a kind of Money which
they call'd Libra or Libella which was the 10th part of
their Denavira; to call'd because equivation to an Ary
which, at first, weigh'd a Libra or Pound of Copper.
Scaliger adds, that they used Libra as a Term of Account,
not as a Coin: Libra crast Califar Nummerson, non Nummar.

LIXIVIOUS, in Chymifity, is underflood of Salts ex-tracted by a Lixivium or Lotion. Lixivium Salts are the fix'd Salts of Plants, &c. extracted by calcining the Plants or reducing them to Afhes; and afterwards making a Lixivium of those Ashes with Water; whence that Name is derived. Mr. Biyle observes, that the difference be-

ween Livisions and Urinous Salts confifts in this, That the Water into a yellow Colour.

Water into a yellow Colour.

LIXIVIOM, a Luiquor made by the Infañon of Wood-Albra, or any barnt Subdiance: a which is more or lefs pear.

Albra, or any barnt Subdiance: a which is more or lefs pear.

Salls, and facely restricted subounding therein. What is left after the Devaporation of fuch a Liquor, is called a Lizziate to ter the Persporation of fuch a Liquor, is called a Lizziate to the Expension 2011, facility and the Colorador of the Col which fee

LOADSTONE; fee Magnet.

LOAM, Clay used in Grafting; a kind of Mortar made of Clay and Straw; also a fort of Clay or Plaister used by Chymists to flop up their Vessels with. LOBBY, for Astriphamber,

LOBEY, fee deitséamler, LOBEY, fee de l'experience de LOBE, among Ansomith, si used for each of the two Eure whereof the Lungs confitt. This Separation into creation and a little give Longe, in casing them to receive more Air Guiller, and Longe, in casing them to receive more Air which are leaves in clining towards it to fauce a large the large than Meer. Even the Earch, have more Lobes in their Lungs than Meer. Even the Large than Meer. Even de divided into Lobes, whereas that of Man is strictly and the large than the large than Meer.

Lole is also used for the Tip of the Ear 5 which is more

Lake is also field for the Tip of the Ear's which is more fire and fieldly beau aporder part. De Learner flays, that the word Lake in this last feels comes from the Greek beautiful to the last field of the Lake fine fine fine field of the Lake field of the Charles of the Charle with one another. The into these Vesicles that the Air enters by the Trachea in Inspiration; still quitting them again in Expiration. The word Lobale is derived from

again in Expirasios. The word Lebels is derived from Lebels in Labrimustive.

LUCAL, fomeshing furpoid to be tied or anexced to any practical piece. Thus, in Levy, a thing is faint to any practical piece. Thus, in Levy, a thing is faint to any practical piece. Thus, in Levy, a thing is faint to Tecfpoid for Battery, &c. is Transforty, not Leod is that it, it is not necessary, then the Place where Enterey was committed, should be fet down as material in the Declaration, sor if it is for fed down, the Definant cannot traction as or if it is for fed my, the Definant cannot traction as of it is only the top the Declaration, and for avoid the Allies.

Local Caffows are those peculiar to some Lordship, or ther Diffrict, and not agreeable to the General Customs

other Diffrict), and not agreeable to the General Callions of the Country.

Loud Problem, in Mathematics, in fact a one, as a long of the Country, in Mathematics, in fact a one, as a long of the Country of the Countr taid to be a Least or indeterminate one. This Least Pri-dem may be circher Simple, as when the Point fought is in a right Line; Plane, when the Point fought is in the Circumfercose of a Circle; Solid, when the Point re-quired is in the Circumfercose of a Conick Sociica; or Sarfolid, when the Point is in the Perimeter of a Line Sarfolid, when the Point is in the Perimeter of a Line of the Geond Gender, as the Geometers call it. See Least.

Local, or Artificial Memory; Sec Memory. Lessit, or Artificial Newsery 3 teo Newsery. Local Gibear, in Psiniting, are fuch as are natural and proper for each particular Object in a Picture: and are fo called, to diffinguish them from the Clair, obscure, which consists wholly of Black and White.

Local Motion, fee Mor

LocaTiON, in the Girl Law, an Aftion by which any thing is lett out, on Rent. The fecond Title of the 19th Book of the Digest, is on the Subject of Licensins and Gooduction are relative Terms, and are afted as well for the Action of him that letts, as and are ulted as well for the Action or ann that letts, as for that of him who takes on that letting. There Lates is when the Perfon who takes, continues on the Premifes beyond the Term of his Leafe; which by the Civil to he is allowed to do, at least for the space of a Year; on the Const. There

the fame Terms. LOCH, or Lebesh, in Pharmacy, is a Composition, of a Confishence between that of a Syrup and that of a soft Electuary, destined for Diseases of the Lungs. The

Word is originally states; but continues fill in use

among the Apothecaries. The Lasins call it Lindins, and the Greeks seasyons, by reason the manner of taking it is by licking. There are various kinds of Loches. See Ec-

Legma. LoCHIA, or Leckes, the Evacuations confiquent on the Delivery of a Woman in Child-bed. As foon as the Utwas is called of its Load, in Fibres, as all to those of the Peritoneum, Mulcles of the Abdomen, &c. which had been extremely diffended during the last Period of Geflation, begin to contract themselves and their Vessels. particularly the Uterns, which by this means expels the Blood arnafs'd in it. At first, pure Blood is evacuated, and in confiderable quantities; afterwards it is diluted,

and an considerance quantities; siterwards it; is instead, and comes cart more ligaringly; at length it becomes vifeld, pale, &. Their are called the Leeber.

LOCK, a little laftraneur uled for the flutting of Doors, Chetis, &s. The Leeb is recken'd the Maiterpiece in Smitherty; a great acted of Art and Delicacy being required in contriving and varying the Wards, Springs, Bolts, Sc. and adjusting them to the Places where they are to be used, and the various Occasions of using them-

From the various Structure of Locks, accommodated to From the various Structure of Locks, accommodated to their different Intentions, they acquire various Names. Those placed on outer Doers are called Stock-Locks; a those on Chamber-Doors, Spring-Locks; those on Trunks, Trunk-Locks, Paul Locks, &c. Of those, the Spring-Locks of Chamber-Doors, the Six Eventures and the Six the most considerable, both for its Frequency and the Cuthe most considerable, best for its Frequency and the Cau-nistry of its Structure. It principal Parts are, the Main-Flate, the Cover Plate, and the Pin-bole: 7 to the Main-Flate, the Cover Plate, and the Pin-bole: 7 to the Main-Bolt, Bolt-see Tolt-rab, Dawbeck Spring, Tumbler, Pin of the Tumbler, and the Stuples; to the Cover-Plate belong the Fin, Main-ward, Coofe ward, Step-ward or Daphward is to the Pin-bole belong the Piock-ward, and Bit. See Smittery.

and Bit. See Smittery.

LOCULAMENTA, firitly fignifies lirtle Pockets 3 and theace the Term is made alle of in Bonay, to expect shole little diffined Cells, or Partitions, within the common Copials Semantals of any Plant as those within the Seeds of Popping, Get. any Body, is rightly diffine, guilled into Abfolute and Relative; and fo suphr Space.

"The trave difficults on Projection or Projections or Projections of Projections of Projections or Projec

gailhed into Abfolute and Relative; and so ought Space to be accounted. The Lesser Mydesta, or Primarias, of any Body, is that part of the abfolute and immovable Space, exercised Capacity to receive all Bodies, which this individual one takes up. Lesse Relations, or Seanndarius, is that apparent and sensible Place, in which a Body is determined to be placed by ourselves, and with relation determined to be placed by our leives, and with relation to other adjoining or contiguous Bodies. The Local Apparent is a Term in Optics: fee Apparent Place of any Object. It is also, in Althonomy that Place, in which any Plante or Star appears, when viewed from an Eye at the

fenfible Horizon institute Horseon.

LOCUS GEOMETRICUS, a Line by which as Indecerminate Problem is folved. This, if a right Line fuffice for the Confirmétion of the Equation, is called Locus and Reliams; if a Circle, Lorent ad Gentlems; if a Parallel Locus and Parallel Locus and Parallel Locus and Latent and Line Locus and Latent Locus and Lat

bola, Low ad Paralelem i fi an Ellipfu, Lossi ad Ellipfu i, and lo of the reit of the Canis Schler Linea or Car-The Let of finel Equations as are Right Linea or Car-ter and the Carlo of the Equations as are Right Linea or Car-ter Paralolas, Heyerbolas, G. E. and M. M. Linea and L. Linea of L

Laws of the fecond or quadrate Order, if y = a, s, or y = 2.5, &c. A town of the rhad or eather Order, if y = 2.5, &c. A town of the rhad or eather Order, if y = 2.5, &c. A town of the rhad or eather Order, if y = 0.5, and if y = 0.5, and

 $z. \ y = \frac{bx}{a}, \ z. \ y = \frac{bx}{a} + c. \quad z. \ y = \frac{bx}{a} - c.$ 

Where the unknown Quantity y is fup-

posed always to be freed from Fractions, and the Fraction that multiplies the other naknown Quantity x, to be reduced to this Expression  $\frac{b}{a}$ ; and all the known Terms

to this c. The Locus of the first Formula being already determined : To find that of the feeded,  $y = \frac{bx}{x} + \epsilon_i$  in this  $AB(a): BE(b):: AP(a): PF = \frac{bx}{a};$  and confe-

quently PM  $(y) = P F\left(\frac{bx}{a}\right) + FM(c)$ 

To find the Lorse of the third Form  $y = \frac{bx}{c} = c$  procccd thus. Affume A B =  $a_1$  (Fig. 6.) and draw the right Lines B E =  $b_1$  A D =  $c_2$  parallel to PM, the one on one fide A P, and the other on the other fide 3 and throw the Foint A, E, draw the right Line A E of an indefinite length rowards E, and throw the Foint T be Line D M parallel to A E: I flay, the indefinite right Line G M Ball be the T-leave longith for we Ball have always shall be the Leess longerty for we have made made  $P M(y) = P F\left(\frac{b \cdot x}{a}\right) - F M(e)$ .

Latity, To find the Leess of the fourth Formula

Laftly, T ; in A P (Fig. 7.) take A B == a, and draw B E = b, A D =  $\epsilon$ , parallel to P M, the one on one fide A P, and the other on the other  $\epsilon$  and thro' the Priorita A, E, draw the Line A E incfinitely towards E, and thro' the Priorita P of the Priorita D draw the Line D M, parallel to A E. I fay, D G finall be the Least fought; for if the Line M P be drawn from any Point M thereof parallel to A Q, then we have the priority and the P between the P between the P between T between fhall have always  $PM(y) = FM(e) - PF(\frac{1}{2})$ 

Hence it appears, that all the Leei of the first Degree are strait Lines, which may be easily found, because all their Equations may be reduced to some one of the fore-

see third. Live, which may be safely found, broadfast better Equations may be reducted form one or of the forest-ground. Formula by the reducted form one or of the forest-ground formula by the forest pages and the following the control of the following the control of the following formula of the following the

$$yy - \frac{x n}{m} \times y + \frac{nn}{m m} \times x - x ry + \frac{2 nr}{m} \times + rr = 0,$$

$$-\frac{\epsilon p}{m} \times + p s.$$

For if from any Point M of that Portion there be drawn the right Line M P, making any Angle A P M with M P; the Triangles A B E, A P F, shall be fimilar, therefore  $AB(m): AE(e):: AP(x): AF \text{ or } DG \Longrightarrow \frac{ex}{m}$ . And quently G M or P M - P F - F G = y - "x - r, and

CG or DG - DC = ex - s. But from the Nature of

the Parabola  $\widehat{GM^a}=CG\times CH$ , which Equation will become that of the general Formula, by putting the Literal Values of those Lines.

teral Values of those Lines. Again s if three the fixed Point A year draw the indefinite right Line A Q (Fig. 9.) parallel to P M, and year take A B =  $m_s$  and draw B E =  $m_s$  parallel to A P, and three the determinate Points A, E, the Line A E = s and fix M = s and s is the indefinite fixit Line D C parallel to A E, and s are take D C = s; this urran Lame D G parallel to A E, and take D C =:: this being done, if with the Diameter C G, whosh Ordinates are parallel to A P, and Parameter the Line C H == p, you deferibe a Parabola C M; the Portion of this Parabola contain in the Angle B A P, shall be the Leeus of this fecond Equation or Formula,

$$xz - \frac{z \cdot n}{m} y \cdot x + \frac{n \cdot n}{m \cdot m} y \cdot y - zrx + \frac{z \cdot n}{m} y + rr = 0.$$

$$- \frac{ep}{m} y + pz.$$

For if the Line M Q be drawn from any Point M, therein, parallel to A P; then will A B (n): A E (e):: A Q or  $P M(y): A F \text{ or } D G = \frac{c y}{m}$ . And A B(m): B E(s):

 $A Q(y): QF = \frac{ny}{n}$ . And therefore G M or Q M -

QF-FG=
$$z-\frac{n}{m}$$
-r; and CG or DG-DC

= e y - s. And so by the common Property of the Parabola, you will have the aforegoing fecond Equation or

Formula: So likewife may be found general Equations or Formula's to the other Conic Sections.

Now if it be required to draw the Parabola, which we find to be the Lour of this propored Equation  $yy = -4xy - bx + c \in x = 0$ ; compare every Term of the first Formula with the Terms of the Equation, because

y y in both is without Fractions 3 and then will 2 m = a. because the Rectangle xy not being in the proposed Equation, the faid Rectangle may be effected as multi-plied by s, whence x = s, and w == s; because the Line AE fatting in AB; that is, in AP in the Confitudion of the Formula, the Points B, E, do coincide. Therefore

destroying all the Terms adjected with "in the Formula,

and subfituting m for e, we shall get yy-zry-px+rr+pz=s. Again, by comparing the correspondent Terms -zry and -zxy, as also -px and -bx, we have r=a, and p=b; and comparing the Terms wherein are neither of the unknown Quantities x,y, we get r + p := c c, and fubfituting a and b for r and p, then will  $s = \frac{cc - a \, a}{L}$ , which is a negative Expression

when a is greater than e, as is here supposed. There is no need of comparing the first Terms y y and y y, because they are the very same. Now the Values of n, p, s, being thus sound, the sought Lews may be constructed by means of the Construction of the Formula, after the

following manner. Because B  $E(n) = o_n$  (Fig. 10-) the Points B, E, do co-incide, and the Line A  $E(n) = o_n$  (Fig. 10-) the Point A  $E(n) = o_n$  parallel to P M, and draw D G parallel to A P, in which take 

whose Ordinates are right Lines parallel to P M, and Parameter the Line C H ( $\rho$ ) =  $\theta$ , describe a Parabola 1. The contained in the Angle P AO, formed by the Charlest Polynomial in the Angle P AO, formed by the Charlest Polynomial AO drawn parallel to P M, will be the Lears of the Green Equation, as it callify proved. If in a given Equation, whose Lears is a Furbbola, x is without a Fraction, then the Terms of the Count Formula must be common, then the Terms of the Count Formula must be common, then the Terms of the Count Formula must be common, then the Terms of the Count Formula must be compared to the Country of the Count

ron, toen the Lerms of the fectoal Formala matthe com-pared with those of the given Equation.

Thus much for the Method of Constructing the Levi of Equations, which are Conic Sections. If, now, as Equation whole Lears is a Caudie Section be given; and the particular Section whereof it is the Lears, be re-quired;

AB (m): BE (n):: AP(x): PF =  $\frac{m \cdot x}{m}$ . And confeover to one fide, so that the other be equal to c, there will be two Cafes.

will be two Cafes.

Cye i. When the Reclangle x y is not in the giren Equation. I. Relither y yor x be in the fame Epution, in the Equation will be a first the control of the control
in the Equation with the fame Shoth x and yo have different
in E
Elipsis or a Circle. 1 if x x and yy have different
self-into yield yield the control

Self-into yield yield the control

Self-into yield yield the control

Self-into yield yield yield yield yield yield

The control

Self-into yield yield yield yield

Self-into yield yield yield

Self-into yield yield

Self-into yield

Self-

Sedheas ; regarding ther Diumeters.

Cyfex: When the Rechangle x y is in the given EquiCyfex: When the Rechangle x y is in the given Equicyfex when the Rechangle x y is in the Equipment of them, be in the fame, the Lexus of it will be an Experiment of the Rechangle different Signs, the Lean will be an 
Herchangle different Signs, the Lean will be an 
Herchangle different Signs, the Lean will be an 
Herchangle Appendix of the Rechangle of th

nemental and a byte and a second and a second and a mean and get a cover or Skeltey, when the Commerciary or found on the Polit is gained. It is also taken for the Place where the Soldiers quarter anneals of the Hung, Barnesh, or Tenna. Ledgener of an Artisch, is a Hung, Barnesh, or Tenna. Ledgener of an Artisch, is a Hung, Barnesh, and Barnesh Bar

tity of Leck is caft, to muke it form appells in the West-Later is in life Card on Line faired as one cad of the Leck, and wound round a Reel fixed for the mapped in the Galley of the Siln. The Line, from the dillater of the Siln. The Line, from the cillater of about sorn lathous of the Leck, has certain Routs or of about sorn lathous of the Leck, has certain Routs or of the Cardy of the Card

as foon as the Cliffa is only the Reci is flory, and the Recor road with color, and their Pares (filmated). Record road with color and their pares of compension, and must always be conciled by Repressor of compension, and their color for two Honor together, which read their color for two Honor together, which read their color and th

co the Davidson of the Votfit with regard to the Points 3, the Legacine of the Square Boto 8, it half the Legacine of the Compails. In the third, the Number of Kross runs off the Red each time of heaving the Leg. 10 the of the Red each time of heaving the Leg. 10 the of the Carbon, the Wind that blows; and in the fifth, Olferaz-Carbon 4, the Legacine of the Carbon, the Wind that blows; and in the fifth, Olferaz-Carbon 4, the Legacine of the Carbon 4, the Legacine of the Legacine of the Carbon 4, the Legacine of the Legacin Arc towards the Centre, with a Retardation of Motion in

Ac roward, the Centre, with a Kentralation of Motion in a Geometrick Propertion. As fupper them be a Quadratic of a Circle, B.C. h. (Plane Assight,  $B_{(2,1,1)}$ ) and any equal reconstruction of the Circle, B.C. h. (Plane Assight,  $B_{(2,1,1)}$ ) and any equal corresponding Radia, is supper C. A.  $C_1$ ,  $C_2$ ,  $C_3$ ,  $C_4$ , where  $C_4$  is the properties of  $C_4$  before  $C_4$  in  $C_4$  and  $C_4$  in  $C_4$  in be easily conceiv'd from what follows.

A Series of Quantities increasing or decreasing according to the same Ratio, is call'd a Geometrical Progression; e.g. 1. 2. 4. 8. 16. 32. &c. A Series of Quantities and y (2) 1.3.4 (-10.1) 3. CC. I of the fame Difference, is called an Arithmetical Progression 3 e.g. 3, 6, 9 t.2. 15; 18. 44. Now if underseath the Numbers proceeding in a Geometrical Rasio, be added as many of those proceeding in the Arithmetical one; these last are called the Legarithms of the first.

Suppose v. g. two Progressions: Geomet. s. 2. 4. 8. 16. 32. 64. 228. 256. 512 Arithmet.c. 1. 2. 3. 4. 5. 6. 7. 8. 5 Logarithms

o will be the Logarithm of the first Term, viz. 1; 5 of the 6th, 32; 7 the Logarithm of the 8th, 128, &c.

Theor. I. If the Logarithm of Unity be 0, the Logarithm of the Fallum or Predail will be equal to the Sum of the Logarithms of the Fallers.

Dow. For as Unity is to one of the Factors, to is the other Factor to the Product. So that the Legarithms of the Product in a fourth equidifferent Term to the Legarithm of Unity and those of the Factors; but the Legarithm of Unity being c, the Sum of the Legarithms of the Factors must be the Logarithms of the Factors must be the Logarithm of the Factors must be the Logarithm of the Factors must be the Logarithms of the Factors must be the Logarithms.

Factors mult be the Legarithm of the Factum or Pro-duct, 5.6.

A. Superior of the Factors of a Square are cival to each other, i.e. a Square is the Factum or Product of its Root multiplied into lifely the Legarithm of the Square will be double the Legarithm of the Square will be double the Legarithm of the Square will be double the Legarithm of the Square risks of the Cabo is triple, of the Rigudarite, quadruple; of the fifth Power, quintuple 5 of the fixth, fextuple, Ge. of the Legarithm of the Root.

Corol. 3. Unity, therefore, is to the Exponent of the Power, as the Logarithm of the Root to the Logarithm of

the Power.

the Power.

Cord. 4. So that the Legarithm of the Power is had, if
Cord. 4. So that the Legarithm of the Power is had, if
Legarithm of the Rose is had, if the Legarithm of the Rose is had, if the Legarithm of the Power be divided by it exposes. I Legarithm of the Power be divided by it exposes. I Legarithm of Legarithm of the Legarithm of Legarithm of the Legar

Dem. For as the Divifor is to the Dividend, fo is Unity Dow. For as the Divider is to the Dividend, to as Unity to the Quotient's therefore the Logarithms of the Quotient is a fourth equidifferent Number to the Logarithms of the Divider, the Dividend, and the Logarithms of Unity. The Logarithms of Unity therefore being c, the Difference of the Logarithms of Unity therefore being c, the Difference of the Number of Unity therefore being c, the Number of Unity therefore being c, the Number of Unity therefore being c, the Difference of the Number of Unity therefore being c, the Difference of the Number of Unity therefore being c, the Number of Unity the Unity therefore being c, the Number of Unity therefore being c, the Number of Unity the Unity

Legaribus of Unity therefore besing o, the Disference of the Legaribus of the Divider and that of the Divides, is the Legaribus of the Oppoietts, 9,e.6. Belled, Hence appears annaber year Alexanspe of La-Belled, Hence appears annaber year Alexanspe of La-Belled, 1997, 1

in Multiplication, Division, &c. obvious-

| Mu    | Non. Log.<br>htiply 68 1.83250<br>by 12 + 1.07918 | Divide 816<br>by 12 | Log.<br>2-91168 9<br>1-07918 9 |
|-------|---|---------------------|--------------------------------|
|       | 816 2.91168                                       | 68                  | 1.83250 Sq.81                  |
| 9     | 0.95424   | - ,                 | 0.95424                        |
| 9     | 0.95424   | 9                   | 0.95424                        |
| . 0 . | -74 0.0/  | 9                   | 0.95424                        |

Cube 729 3)2.86272(0,95414 The Properties of the Logarithms hitherto mention'd, and their various Ules, are taken notice of by Stifetar: but come all far short of the Ule of Logarithms in Trigonometry, first discover'd by the Lord Neper,

To find the Logarithm of any Number, and to confirm? a Canon of Logarithms for Natural Numbers.

1. Because 1. 10. 100. 1000. 1000. Ec. conflitute a Geometrical Progeeffion, their Logarithms may be taken at pleafure. To be able, then, 10 expects the Logarithms of the intermediate Numbers by Decimal Fractions, take 0.00000000, 1.00000000, 2.00000000, 3.000000000

of the intermediate Numbers by Decimal reactions, of the intermediate Numbers of Decimal reactions, percentage 4,000000, \$12. The massieft that for the New Decimal Progerition, the Accommod, if he soles of Geometrial Progerition, the control of the Seales of Geometrial Progerition, the control of the Seales of Geometrial Progerition and English and the Seales of the Numbers of the Numbers of the Numbers of the Progerition of the Numbers of the Progerition of the Numbers of the Numb will at last have 0-954251, which is exceedingly near the true Logarithm of Nine.

3. If in like manner you find Mean Proportionals be-

tween 1.0000000 and 3.1622777, and affign convenient Legarithms to each, you will at length have the Legarithms of the Number 2, and fo of the reft.

|          | Mean Pro-              |             |    |           |                        | 1           |
|----------|------------------------|-------------|----|-----------|------------------------|-------------|
|          | portional              | Logarithms. |    |           | portional              | Logarithms. |
|          | Numbers.               | Logar name  |    | 1         | Numbers.               | - Lagranian |
| -        |                        |             |    | lδ        |                        |             |
| A        | 1,00000000             | 0.00000000  | ١. | ١×        | 9.0011388              | 0.95434570  |
| C        | 3.1622777              | 0.5000000   |    | Q         | 9,0008737              | 0.95428467  |
| В        | 10.00000000            | 1.0000000   | 1  | 1         | 8,9996088              | 0.95422363  |
| В        | 10,0000000             | 1-00000000  | ı  | Q         | 9.0008737              | 0.95434570  |
| D        | 5.6234132              | 0.7500000   | l  | R         | 9.0002413              | 0.95425467  |
| C        | 3.1622777              | 0.50000000  | ı  | P         | 8.9996088              | 0.95422363  |
| В        | 10,0000000             | 1.00000000  | ı  | Ŕ         | 9.0001472              | 0.95428467  |
| E        | 7.4289421              | 0.87500000  | 1  | 8         | 8.9999250              | 0.95425415  |
| D        | 5.6234132              | 0.75000000  | ł  | P         | 8-9996088              | 0.95422363  |
| B        | 10,0000000             | 1.00000000  | L  | lī        | 9.0002412              | 0.95425415  |
| F        | 8.6596432              | 0.93750000  | ı  | lπ        | 9.0000931              | 0.95421889  |
| É        | 7.4989411              | 0.8750000   | ı  | s         | 8.9999250              | 0.95413889  |
| - B      |                        |             | ı  | Ī         | 9.00002412             |             |
| G        | 10.00000000            | 0.96875000  | L  | Ιv        | 9.00002412             | 0.95424652  |
| F        | 9.3057204<br>8.6596432 | 0.93750000  | ı  | lš        | 8,9999250              | 0.95424271  |
| <u>r</u> |                        |             | ı  | ۱ĕ        |                        |             |
| G        | 9.3057104              | 0.96875000  | Į. |           | 9.0000041              | 0.95424171  |
| H        | 8.9768713              | 0.95312500  | 1  | 1x        | 8.9999650              | 0.95424080  |
| F        | 8.6596432              | 0.93750000  | ı  | S         | 8.9999250              | 0.95423889  |
| G        | 9-3057204              | 0.96875000  |    | v         | 9.0000041              | 0.95424271  |
| 1        | 9.2398170              | 0.96093750  |    | Y         | 8.999845               | 0.95424217  |
| H        | 8.9768713              | 0.95312500  |    | X         | 8.9999650              | 0.95424080  |
| ī        | 9.1398170              | 0.96093750  |    | v         | 9.0000041              | 0.95424171  |
| ĸ        | 9.0579777              | 0.95703125  |    | Z         | 8.9999943              | 0.95424223  |
| H        | 8.9768713              | 0.95\$12500 |    | Y         | 8.9999845              | 0.95424217  |
| K        | 9-0579777              | 0.9570\$125 |    | $\bar{v}$ | 9.0000041              | 0.954271    |
| Ϊl       | 9-0173333              | 0.95507812  |    | 1 4       | 8.9299991              | 0.95424247  |
| H        | 8.9768713              | 0.95312500  | П  | z         | 8.9999943              | 0.95424223  |
| ī        |                        | 0.95507812  |    | v         | 140000049              |             |
| M        | 9-0173333              | 0.95410156  | П  | ь         |                        | 0.95424271  |
| H        | 8.9970796              | 0.95312500  | П  | 2         | 9.0000016<br>8.9999992 | 0.95424159  |
| 7.1      |                        |             | Ш  | ÷         |                        |             |
| N        | 9-0173333              | 0.95507812  | Ш  | l c       | 9.0000016              | 0.95424259  |
| M        | 9.0072008              | 0.95458914  | Ш  | a         | 8.9999991              | 0.95424258  |
|          | 8.9970795              | 0.95410156  | Ш  |           |                        | 0.95424247  |
| N        | 9.0072008              | 0.95453984  |    | ď         | 9.00000004             | 0.95424295  |
| 0        | 9.0021388              | 0.95434570  | 1  | a         | 8,9999998              | 0.95424250  |
| M        | 8.9370796              | 0.95410156  |    |           | S.9999992              | 0.95424247  |
| 0        | 9.0021388              | 0.95434570  | 1  | C         | 9-0000004              | 0.95424253  |
| P        | 8.9996088              | 0.95422363  |    | d         | 9.0300000              | 0.95424251  |
| M        | 8.9970796              | 0.95410156  | П  | a         | 8.9999998              | 0.95424250  |
|          |                        |             |    |           |                        |             |

4. There needs not, however, be so much Pains taken in investigating the Lagarithms of all Numbers 5 since those that condition of aliqued Parts being divided, and others mutually multiplying each other, their Lagarithms are cashly found. Thus if the Lagarithm of the Number 9 be, biffelded, we shall have the Lagarithm 0-47712125 of the Number 3

of the Number 3.

Sield- The Induces our Characterities of Legarisher conSield- The Induces our Characterities of Legarisher conbers, and no other Member of the Legarishe does to the
decommunity Earl of the Number 1, or the Indus free
the Characteristic of the List Greeker Head NriThas c, afficient In Agentishe, decrease the Inf Figure of
the Number to which the Legarishe activers to be nothing
Deces the Inf Figure of its Number to be difficult Place
from the Place of Units, i. c. to be in the Figure of
the Characteristic of the Character fome Number between that and 100, and so of the other indices. Hence all Numbers, which have the same denolodices. Hence all Nombers, which have the fame demonstative, but not be fame numerative Parts, as all Nombers from 1 to 10, from 1 to 100, ffee will have Legaristative block indicates are the fame, but the other Members which have the fame unmeative, but not commissive Part, will have different ladices; but the cut of the Legaritus the fame. If a Number by purply decimal, not in Experison is a flitted a Number of Part of the Legaritus the fame. If a Number by purply decimal, not in Experison is a flitted a flitted to the foundation of the commission of the flitted to the flitted of t of the Decimal ,256 is 1.40824, of the Decimal ,0256 is

Self-1, 156.
Sold. The first Canon of Lewisdays for natural Numbers, from 1 to 2000, and from 2000 to 10000, was confireded by the. Briggs, with the Approhation of the Inventor the Lord Neptor, and the Manner of confired 8000 with British Chair Detector 2000 and 2000 was filled up by Adrian Ulated. In the common Tables where only 2 Canon from 1 to 1000. There are various

other Methods of confituding Logarithms by Dr. Halley, Mr. Cates, Dr. Ersek, Taylor, &c., which the Reader, who has a Cariofity that way, will find in the Philosophical

The facility Legarithm for a Number greater has any interface Common Came, it will then be reconced. Confi final figures on the left of the giren Number, and feet the Legarities between the left of the giren Number, and feet the Legarities between the Legarities and the Legarities of the Legarities of the Legarities of Legarities found from that next following it distinct the Legarities have been a legarities and weight the Legarities and weight to the Legarities and weight the Legarities and weight the Legarities found the Legarities (Legarities for Legarities (Legarities (L can actions.

To find the Logarithm for a Number greater than any in the missen Canon, but left than 10000000. Cut off four Figures an Unit; then

From the Logarith. of the Numb. 9238=3.9655780 Subitract. Logarith. Numb. ——9237=3.9655309

Remains Tabular Difference 471 10-471-5

Now to the Logarithm-4.9655300 Add the Difference found-

and the Difference cound

The Sum is the Legarithm required—4,9615144

To find the Logarithm of a Frailion: Subtinate that Legarithm of the Numerator from that of the Denominator, and to the Remainder prefix the Sign of Subtination—

The formed it is a final field. Thus suppose it is required to find the Legarithm of Fraction },

Logarithm of 7=0.845c980 Legarithm of 3=0.4771213

The Reafon of the Rule is, Thata Fraction being the Quotient of the Denominator, divided by the Namera-

tor, its Logarithm must be the Difference of the Logarith of thuse two; so that the Numerator being subtructed from the Denominator, the Deference becomes negative. rom the Denominator, the Difference becomes negative, \$\frac{2}{2}\subseteq \text{in}\$ used to be a subseted by \$\frac{2}{2}\subseted \text{fin}\$ which is evident, \$\frac{2}{2}\subseted \text{fin}\$ to \$\text{fin}\$ to \$\text{in}\$ used to \$\text{which is evident, \$\text{in}\$ to \$\text{fin}\$ (and \$\text{in}\$) is \$\text{Numerator being greater than its Denominator, in \$\text{in}\$ \text{equilibut} is \$\text{hd}\$, by \$\text{dh}\$, that \$\text{fin}\$ \text{ling}\$ the \$\text{Logivilibut}\$ of the latter from that of the

ormer.

The Logarithm of 9=0.9542425 Logarithm of 5=0.6989700

Logarithm 3=0.2553725 In the fame manner may a Logarithm of a mixed Num-ber, as 3 3 be found, it being first reduced into an im-proper Fraction o 13.

To find the Number corresponding to a Logarithm, great to pins the ramore erresponding to a Logarithm, generation any in the Table: First from the given Logarithm, fub-firact the Logarithm of 10, or 100, or 1000, or 1000, till you have a Logarithm that will come within the Compass

yes have a Legaritie that will come wishen the Conyrate of the Table 5 and the Number corresponding to this, and multiply it by 1,0 ex 100,0 ex 1000,0 ex 1000,0 the Practical in the Mumber required. Practical in the Mumber required to the Legarities of the Number 1000,0 which is a paccosed from 17,185983, the Remainder is 5,1785984, the Number 1000,0 which is a paccosed from 1000,0 the Table 1000,0 the Tabl space, no first from the second, and find the Number corresponding to the Remainder; this will be the Numerator of the Fraction, whose Denominator will be record or, g suppose it be required to find the Fraction correspond-ing to the negative Logarithm 0,579767, substract this from

The Remainder in 4/190451, the Number corresponding to which it 8/8/1724, the Practice fought therefore is 4/8/264. The Red to the Practice for the Practice for the Practice is 4/8/264. The Red to the Division of the Numerator by the Denominator, Unity will be to the Practice as the Denominator to the Numerator by that Practice as the Denominator to the Numerator by that practice for the Practice for page 100.

of the Fraction required.

To find a fourth Proportional to three given Numbers,
Add the Legarithm of the fecond to that of the third, and
from the Sum fluthract the Legarithm of the first, the Remainder is the Legarithm of the foarth required. E. g. let the given Number be 4. 68. and 3.

> Logarithm 68=1.8325089 Logarithm 3=0.4771213 Sum=2.3096302 Lagarithm 4=0.6020600 Logavithus required 1.7075702

The Number in the Tables corresponding to which is This Problem is of the utmost Use in Trigonome-51. This Problem is try. See Trigonometry.

LOGIC is the Art of Thinking justly; or of making a right Use of our rational Faculties in defining, dividing, and reasoning. The word is derived from AST A. Serme. and reasoning. The word is derived from Air (9, Serve),
Discourse; Thinking being no more than an inward, mental
Discourse, wherein the Mind converses with itself. Logic is fometimes also call'd Dialetties, from &assalas, so ren-fon ; and fometimes the Canonical Art, as being a Canon or for s, and formetimes the Cassacial Are, as being a Cassacia Rate for directles us now reasonings. As in order to thake sights, an excellar that we apprehend, judges, prehending, judgence, Difficurier, and Michael become the four fundamental Articles of this Art 1 and 1 is from prehending, judgence, Difficurier, and Hillard, that L. Articles of the Cassacian Cassacian Cassacian Cassacian Cassacian to the Cassacian Cassacian Cassacian Cassacian Cassacian yallow the Cassacian Cassacian Cassacian Cassacian Cassacian Judges, are to reach what he creating a whence saids for many Articles Cassacian Cassacian Cassacian Cassacian Cassacian Articles Cassacian Cassacian Cassacian Cassacian Cassacian Cassacian Articles Cassacian Cassacia

ing, which fee. Lytic having been extremely abufed, is now in a general Difrepare. The Schools have foe logged it with between Terms and Pharfes, and have run it sat fo much into dry uffeld Substillies, that is feems rather intended to exercise the Mind in Wrangling and Diffustrion, than to affift it in thinking justly. The rese, in its Original Confession of the Confes fo much ime obry udicté shoultes, that is fecuns ruther intuned ou exercife le Mind in Wanglingand Departming
and Departming and Departming
and of the state of the Mind in Wanglingand Departming
and it was trained in the first of Cavilling thus of
Recloming is the Greet's, among whom it had its Rife,
being a Yowle who piqued timenicles unigstily upon their
either Stele the Question. Hence their Distiction, to be
always fearified with Arms for fuch Reconsures, intendings with the control of the Cavilling of the Cavilling
the Stele Stele Logotion. Hence their Distiction, to be
always fearified with Arms for fuch Reconsures, intendings of the Cavilling of the Cavilling of the Cavilling
the Stele Stele Logotion. Hence the Cavilling
to a William just for force well on the Ignoritories, but
of sufficient in the Cavilling is, and to confound the Trush induced of clearing in. All that Flare of Words, which we have befor over over the common Ulages that the Mind does not
astered to them without Trouble, and finding ranhing in
the Cavilling of the Cavilling of the Cavilling of the Cavilling
to a clear and intelligible Method, which are for conductcovery of Turk. Form in proper tile we gas fivered very
conference has been considerable Advantages; if of, (1,7) The Confederation
certain in Thusing, fast have been given and point out the
we make the beld Ula of our Faculties. (2,) We berely
processed the Cavilling of the Cavillin we make the beliftlife of our Facalisis. (2.) We beerby more casily and accurately discover and point out the Errors and Defects in our Readonings; for the common and the second of the common and approximation faulty, without being able to determine wherein the precife Fallure confills. (3.) By these Resilications on the Order and Manner of the Operations of the Mind, we are brought to 8 more just and complete Knowledge of the Nature of our own Underscaped Consequent Knowledge of the Pattern of our own Underscaped.

compicat Knowledge of the Administrate at Alberts, whole LOGISTA, the Title of a Magistrate at Alberts, whole Business was to receive and pass the Accounts of Officers upon their laying down their Posts. The Logista were in

LOGISTIC, or Logarithmic Line, a Curve fo called, from its Properties and Ufes in conflueding and explaining the Nature of Logarithms. If the right Line A X, (Tab. Analysis, Fig. 1.2.) be divided into any Number of cqual Parts, and to the Points of the Divisions A F.p.

8c. be drawn Lines continually proportional, the Points N M m, &c. form the Logific Curve. Cov. 1. The Abfeiffes A P, A p, &c. are the Logarithous of the Semiordinates P M, p m, &c.

Gr. 1. The Absciller, A Y, A P, &c. are the Legarithms of the Sciniotinizary  $\mathbb{R}^3$ ,  $\mathbb{P}_1$ ,  $\mathbb{R}^3$ ,  $\mathbb{R}^2$ ,  $\mathbb{R}^3$ 

of the Semiordinates. Cor. 3. The Logistic will never concur with the Axis except at an infinite Distance, fo that A X is its Afymp-

tote.

LOGISTIC, or Legarithmic Spiral, a Line, whose Conflictation is as follows: Divide the Quadrant of a Circle into any Namber of equal Pers in the Points P, p p, &c., (Tab. Installer), p p, 11.) and from the Radii CP, p, P p, &c. cutting off CP, C m, Cm, &c., ecc. continually proportional, the Points M m, m, &c. form the La
artic Colored.

giftic Spiral.

Or. The Arches therefore A P, A P, &c. are the Logarithms of the Ordinates CM, C m, &c. whence allo it follows, that there may be infinite Legiftic Spi-

LOGISTICAL ARITHMETIC, was formerly the Arithmetic of Sexagefimal Fractions, ufed by Aftronomers in their Calculations. It was fo called from a Greek Treatife of one Baylaamus Monstins, who wrote about Sex-Treamle of one arrangements of the control about 2 segetimal Multiplication very accuracity, and entitated his Book Appears. This Author, Voffur places about the Year 1300, but miffalse the Work for a Treatife of Algebra. Thus also Shakerly, in Tabule Bittannies, hand a Table of Logarithms adapted to Sexagefimal Fractions, a range of Logariums adapted to sexageimal fractions, which therefore he calls Logifical Logarithus; and the expeditions Arithmetic of them, which is by this means obtained, and by which all the Trouble of Multiplication and Division is faved, he calls Logifical Arithmetic, though fome by Logifits will understand the Dedd and the Conference of the Conf Dadada

first general Rules in Algebra, of Addition, Sub-LONG MEASURE. See Meafare,

firli general Nutses un augomen-tion, Er.

LOGORIPHE, a kind of Symbol er Riddle, pro-posed on Students for their Solution in order to exercise and improve the Mind. It sufaulty conflict in forme outweet all their or binatistics of Words, which, live-ently askes, figuily formething different from the thing in-really askes, figuily formething different from the thing in-ference of the conflict of the conflict of the con-traction of the conflict of the conflict of the con-traction of the conflict of the conflict of the con-traction of the conflict of the conflict of the con-traction of the conflict of the conflict of the con-traction of the conflict of the conflict of the con-traction of the conflict of the conflict of the con-traction of the conflict of the conflict of the con-traction of the conflict of the conflict of the con-traction of the conflict of the con-traction of the conflict of the con-traction of the con-tracti tended byit; I fo that it is a kind of Medium between a Rebus and proper Rangum. According to Kneier, Les-gylavo are a kind of Igesking Arms. Thas a Perfon or Spikenard, according to that Pather, made a Leg-gylav Dodip, Egypt. In mother Place however he de-nine a Leggylavo no be an Engings, which under Oname on Word will best various Meanings, by adding or converted to the control of the Control of the Con-lone of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Con-trol of the Control of the C are well known to the Araba, among whom are Authors who treat exprelly of them. The Word comes from the Greek Art D. Defent's, and year, Ner. LOHOCH. See Look.

Greek speech, Defeurly, and yorder, Nov.

LOINS, in Amsteury, are the lower Part of the Spine of the Back, composed of five Verebere, larger than their of the Back, composed of five Verebere, larger than their of the Back, and feving them as a Back, having a Louise of the Laise may be more free.

LOILARDS, the Namouf a Section are to the theorem and the University of the Carlotte, it took its manual to the Loine of the Loine and Loine a Pfalms and Hymns.

Frienra and Hyrma.

LONGUS, £me, an Epithet given by the Anasomiliar to a great Number of Malchet. The forcod Exercised Frienra Service of Malchet. The forcod Exercised Frienra Service of Malchet. The forcod Exercised Frienra Service of the Malchet Exercise, which is called free; force The Lenguarian Anasoma Frienra Service of the Frienra Service of the Frienra Service of the Frienra Service of the Service o

the Neck.

The third of the fix Mafeles of the Elbow or Arm, which is the first betterdore, is also called the Low-which is the first betterdore, is also called the Low-gine on the upper Side of the Ownplate, must be Neck, and defocading by the bind Part of the Arm, is inferred into the Ofenames by a Brong Phenomyli, which is common to it and the fectoral and third Extensive of the Arm. Common to it and the fectoral and third Extensive of the Arm. The Neckles is also called Lower to the Neckles in the Could Lower, it believes the neckles in the Neckles in the Could Lower, it is being the mer than the Neckles and the Neckles in the Neckles in the Could Lower in his properties.

its Extensors, is also called Longer, as being longer than another Extensor of the same Thumb, called Brevit. The Longer proceeds from the upper and external Part of D. D. D. Control of the same process. the Bone of the Elbow, and rifing over the Radist, is in-ferted by a forked Tendon into the fecond Bune of the Thumb, which it extends.

One of the four Muscles of the Rasins is also called the Longs:. This is the first of the two Supinators, and has its Origin three or four Fiogers breadth above the outer Apophysis of the Hamerus, whence running along the Ra-dus, it is inferred into the inner Part of its lower Apoplydad, it is inferred into the inner Part of its lower /pople-fig. 1 its called /now with regard to the other Sepanancy, which is called herea. There was Mudlest Greve to sum the Radius, loss the Palm of the Hand looks upwared; which makes the Supination. Lattly, the diffic of the Adoudress of the Log is called the Lower, and beautrable Thie more justify than any of the other, as the part of the Palmer and the other in the whole lo-dy. It is able called distribute, because it ferres to bend the other in the part of the Palmer and to have it when a the control of the Palmer and to have it when a the

WORK. SCENTRIFT in Grammar, &c. shews that the Voice is to stop upon the Vowel, that hath that Mark, and it is expressed thus (-).

LÔNG MEASURE. See hedrier.

LONGASTUT, Lenth & fufe. From the different Longeaire of Man in the beginning of the World, after Longeaire of Man in the beginning of the World, after Anguencia for the Interpolition of a Dirice Providence.

Interchaltery after the Creation, when the World was to Manyament for the Interpolition of a Dirice Providence.

Interchaltery after the Creation, when the World was to Manyament for the Manyament for the Manyament for the Creation, when there were three Ferfina to flock the World, their Age was are of those three Ferfina to flock the World, of their after for the Partirects but the Creation of the Manyament for the Man and were canton'd our into diffant Nations. By degrees, as the Namber of People increased, their Longwig dwindled; till it came down at length to 30 or 85 Years and there it flood, and has continued to final ever face the Time of Myle. This is fund a good Medium, and by means hereof the World is neither everflock'd, nor kept too thin; but Life and Death keep a pretty equal pace.

so thin is her labs and leash keep a pretty equal pace.

That the common Age of Man has been the fame in all Ages fines the World was people, is plain both from laber and the state of the See Mertality.

and the two company Cooks, Fronthers, Sc. to or from particularly to work the Anchor.

LONGINETRY, the Art of medicing Lengths both Sc. Cooks, and the Cooks of t

with fune enhert, this belta to keep the Rody erech. LONGISSINUS COULL, the Name of a Madel. LONGISSINUS COULL, the Name of a Madel. LONGITUDE of a Flace, in Geography, is its Di-Rocce from force first Merdians or and red the Equation of the Country of the Coun

cannot be approve as one period temperative and can use and and for the purpole.

Others, with more probability, and to better purpole, fearth for in the Heavens; for if the exact Times of any Celeftial Appearance be known for two Places, the

Difference of those Times gives that of the Longitude of those Places. Now in the Ephoneristic, we have the Motices of the Planets, and the Times of all the Celetial Photometria, as the Beginning and Ending of Eclipses, conjunctions of the Moon with other Planets, its Entrance into the Eclipse, &c. accurately calculated for form one Place. Therefore if the Hour and Minute be known wherein any of the fame Phenomena are observed in an unknown Place, the Difference between the Hour and Minute between that Place and that other, to which and Minute between to I 1/160e and that other, to which the Tables are calculated, and confequently the Difference of their Micridians, and their Longitude from each other, are known also. Now the Difficulty, here, does not confif in the exact finding of the Time, which is calculated to the the Confidence of the Conf sor confil in the coxel finding of the Timo, which is as-filly had from the San's Allstude or Animuth's but the Delect lies in the Pancity of proper Appearance capable of Sanra's are a sone excluded a safe thereing but little Difference in a confidenthic Space of Times and it being the confidenthic Space of Times and it being two Minners Time, as Errar of two Minners and Time pro-claring another of 30 Miles in the Assemble. Now there first, excepting the Everal Sugges of an Edipfic of the Minner, then feveral Sugges of an Edipfic of the Minner, then Everal Sugges of an Edipfic of the Minner the Everal Sugges of the Policy open fines the Edippic, or the Points of the Other when that can the Edippic a state Points of the Other when that can the Edippic a state Points of the Other when the Confidence of the Confidence of the Confidence of the theory of the Confidence of the Confidence of the Confidence of the theory of the Confidence o

Edipties of Typier's Statellites. Of each of their in their O. . The first Muscle, by the Edipties of the Mona, it is very exty and furficiently accurate, were there but Edipties every Night, at he moneant wherein we for the every Night, at he moneant wherein we for the every Night, at he moneant wherein we for the extending to do but take the Altitude or Animath of foom faced Sur, from which the Heart and Minner of the Conference of the March 1997. The Mont's Place in all Minute therefore, thus food,, and compared with that expected in the Tables, and the March 1997. The Mont's Place in the Zodiac is a Financierum more frequent that has of her Edipties, but then the Charles of the March 1997. The Mont's Place in the Zodiac is a Financierum more frequent that has of her Edipties, but then the Charles of the March 1997. The Mont's Place in the Zodiac is a Financierum more frequent that has of her Edipties, but then the Charles of the Place, and then shake the Administration of the Charles of the C the is then in the Meridian or Mid-haven. Thus we finall have the Moon's Place in the Zodiac corresponding to the Time of our Place. The Zodiac corresponding to the Time of our Place. Then in the Ephemerii we find what Hour it is in the Meridian of the Ephemerii, when the Moon is in that part of the Zodiac: Thus we finall have the Hour and Minute of the two Places for the Lame Times the Difference of which will give the Difference of which will give the Difference of the Diff

the Body Bill Journey of the four faces are use name of the Body State of Longitude.

3. In regard there are many times when the Moon State of Longitude.

3. In regard there are many times when the Moon State of the Longitude is fought to use the Moon's Appalle and Recedifform the fixed States for from these the Moon's translation and Recedifform the fixed States for from these the Moon's translation and the Solution of oblique fighered. Triangle, and the Solution of oblique fighered Irriangle, and the Solution of oblique fighered. Triangle, and the Solution of oblique fighered. Triangle, and the Solution of the Reader with the Praiss thereof. Those however who are displiced to set it, will find very the state of the Solution of the Reader with the Praiss thereof. Those however who are displiced to set it, will find very the theory of the Solution of the Solution of the Praisis thereof. The Solution of the Praisis thereof. The Solution of the Praisis thereof. The Solution of the Solution is the Solution of the Moon's Appalle can be observed.

5. The Parassimon of Solution is in the Metallian of the Specietary, then that Ingues laspens. The Difference of the Solution is regardly preferred to the food of the Moon, for finding the Longian Specietary of the Solution of the Moon's forming the Longian to the Praisis the Computation of the Solution of the So

rance, and at the same time find the Hour and Minure from the Meridian Altitude of some Star 3 then confulring

races, and at the fame time find the Hour and Minus
Tables of the Sattlities, offeren the Inten confilings
Tables of the Sattlities, offeren the Inten confilings
that the Intent of Intent the Intent for the Difference between the Time, thus ob-ferred, and that of the Machine, gives the Longinuse; But no fuch Machine has been yet differer'd. Where-fore Recourse has been fill further had to other Me-

thods.

7. Mr. Whifton and Mr. Dirton have proposed a Method of determining the Longitude by the Flash and Report of great Guns. Sounds, its known, more pretty equably in all their Stages, whatever the sonorous Body be that occasions it, or whatever the Medium that conveys it. If ocasions it, or whatever the Medium that conveys it. If then a Morars or great Gun be exploded at a Place, whole where the property of the convergence of the convergence wherein the Platfi (which mercare between the Times wherein the Platfi (which mercare the rare order) is form, and the Sound, which moves at the rare of four Seconds in a Mile, is heard, will give the Diffusion of the Platfie of the Convergence of Lenginde will be likewish to the Platfie of the Convergence of Lenginde will be the known. (See the Platfie where it is maded) by objections he known, (See the Platfie where it is maded) by objections he known, (See the Platfie where it is maded) by objections he known, (See the Platfie where it is maded) by objections. known. Again, it the Hour and Minute of the exploition oo known. Again, it the Hour and Minute from the Sun or Stare, at the Place where it is made) by obferving the Hour and Minute from the Sun or Stare, at the Place whole Longitude is required; the Difference between those Times will give the Difference of Longitude. Again, if the faid Morar be loaden with an Iron Shell full of comthe faid Morar be loaden with an Iron Shell full of com-buftible Matter, and poffet perpendicularly, it will carry the fame a Mile bigh, which will be feen near a bun-dred Miles; if therefore neither the Sound fhould be heard, nor the Flaff, feen, the Diflance of any remote Place from the Place of the Morar may be determined from the Altitude of the Shell above the Horizon of the Place from the Place of the Morate may be diversmided from the Althude of the Shell above the Idention of the Immune the Althude of the Shell above the Idention of the Immune the Idention of the Idention of the Idention of the Identification of the Identification of the Identification of Identificat

Longitude of the Earth, is its Extent from West to East, according to the Situation of the Equator; as the Latitude of the Earth is its Extent in Surface from one Polo

to the other.

Longitude in the Heavent, is an Arc of the Ecliptic, counted from the beginning of Aries, to the Place where a Star's Circle of Longitude croffes the Ecliptic: fo that it is much the fame as the Star's Place in the Ecli If it much the fame as the Star's Place in the Ecliptic, recknood from the beginning of Meis y shich to find, fee Place of the Son or Star. Longitude of the Sun or Star from the next equinacidal Polar, in the Number of De-grees and Minutes they are from the beginning of Aries or Libra, citable Deforte or after them; which can never be more than 18° Degrees. Longitude, in Navigation, is also the Diffance of a Ship or Place, Eatfort Welf, from anTo find the Longitude or Latitude of any Star by the Globe: Bring the Solflitial Column to the Brafs Meridian, and there fix the Globe 5 then will the Pole of the E-eliptic be just under 23 deg. 30 min. accounted from the cliptic be jutt under 23 dec., 30 min. accounced from the Pole above the Henrica, and on the fame Meridian; There force the Quadrant of Altitude, bring in graduated Edge the Edgipte in the Starf English, as all for its Latitude recknood on the Quadrant, from the Ediptic. See Gibble. Language of Molton, in a Term wold by Dr. Wallin in his Mechanics, for the Measure of Motion cellimated according to the Line of Drecknood, is to that it is the Ibcording to the Line of Direction; it that it is the Di-finance, or Length, which the Center of any moving Body runs thro, as it moves on in a Right Line. And he calls the Meafure of any Motion, efficiented according to a Right Line or Line of Direction of the Vis Mostrix, the

Altitude of it.

Bellini also useth this Term of Longitude and Altitude in the same Sense in many Places of his Writings, and m an earme Sente in many Places of his Writings, and which an ordinary Reader finds hard to underfined for want of this Interpretation. By Altitude alio, in his path Proportions de Forbies, he means the Thickness for the vifeid Matter in the Blood-Veffels; or the greatest Length a vifeid Particle is extended into from the fide of the Caroll to its Axis.

LONGITUDINAL, according to the Etymology of the Word, fignifies fomething extended length-wife. Thus in Anatomy it is used to fignify fome Part or Member running in length, or posited length-wife. The Memin Anatomy it is used to figuity fome Part or Member running in length, or postred length-wife. The Mem-branes that compole the Veffels are weven out of two kinds of Fibres, the one Lenginsbund, and the other Cir-cular, cutting the Lenginsbund at Right Angles. The Longitudinal are tendinous and elastic; the Circular, mus

LONGUS COLLL, a Muscle which arises chiefly stellar, the correctors with submitters. LONGUS COLLL, a Muscle which arises chiefly stellar, the partly trendinous, from the fore-part of the five upper Vertebra of the Back, and is inferted into the fore-part of every Vertebra of the Neck. Its Use is to

bend the Neck forward.

bend the Neck torward.

LONGUS CUBITI, a Murcle, that, in conjunction with others, extends the Cobins: It attieth from the inferior Cofta of the Scapula, nigh its Neck, and patfeth betwist the two round Murcles. It deficiation on the backfield of the Humerus, where it joins with the Brevis and

Brochiese externat.

LONGUS FEMORIS, in Anatomy. See Sorterat.

LONGUS FEMORIS, in Anatomy.

LONGUS FEMORIS, in Anatomy.

LONGUS FEMORIS, in Anatomy.

LONGUS FEMORIS, in Anatomy.

LONGUS FEMORIS, in Experiment of the Wind.

LONGUS FEMORIS, in Experiment of the Wind.

LONGUS FEMORIS, in Collective the Wind.

LONGUS FEMORIS, in Anatomy.

LONGUS FEMORIS, in Ana

which words fightly much the lame thing, and bid the Man at Helm to keep the Ship near the Wind. Lof of a Ship, is that part of her aloft, which lies just before the Chefs-Trees; and hence the Guns, which lie here, are called her Lof? Piece.

LOOKING GLASS, a plain Glafs, Speculum, or Mirror, which being impervious to the Light, reflects its Rays, and fo exhibits the Images of Objects placed be-

force in. The eye of Lawing-Califon, and the Law wheely.
The first all apparences of beliefs, in under force.
The finance of printing and preparing the Lawing-California and the control of the control Immediate, finer Samila uted, and at his Powder of Smell-Bering than fifty polithing, a wooder Rarellheppied, lined with Fripal Lurth, or beart firm, tempered with Warr, Cliff and the Smell Cliff and Spell and Spell and with Tripal Lurth, or beart firm, tempered with Warr, Cliff and extremely difficult to bring the Cliff for a Fring and Cliff and Smell Plane than to a Spicer. For printing a Cliff a nonaced Flane than to a Spicer. For printing against the Spell and Spicer. For printing and the Spicer of Spicer. For printing and the Spicer of Spicer o

the Glass-Plate. With the left Hand the Glass Plate is the Glafe-Tlate. With the left Hand the Glafe Tlate is prefeted down, and with the right the Eque is gently prefeted down, and with the right the Eque is gently thicker Japen, and loaden with a greater Weight, that the specific content of the Eque is the Equ

LOOM, the Weaver's Frame; a Machine whereby fe-LOOM, the Weave's Farmes s Machine whereby fe-veral disined Threads are wore into one Piece. Lowes are of various Structures, accommodated to the various Khade of Materials to be wore, and the various Manners to the property of the property of the property of toos, Cloths of Golds, and other Works, as Tupethy, Ribbands, Stocking, &c. Mol of which will be found under their proper Heads. LOOP-HOLES, in the Sex-Inaguage, are Holes much in the Comings of the Hatches of Shape, and in their Bulk heads to feel Maules their in a cloth Fight. And

the fame are they in the Covert Defences of all Fortifi-

LORD, (from a Saxon Original, fignifying a Bread-Giver, Bountiful or Hofpitable) is a Title of Honour variously applied amongst us; being fometimes attributed to those who are noble by Birth or Creation, otherwise to theife who are noble by litth or Creation, externite call'd Levis of profusers, and Perer or the Relange and Lill Levis of profusers, and Perer or the Relange as all some of a last of an analysis of the call Marquift, and the chief See of an Earl 1 fournities to Perions honorable by Olitics, as Levi Girlf Jujine, &c. And fomentimes to an inferior Perion that has keep, and conference who inferior Perion that has keep, and conference with the Homogon Call'd Levi, and in forme Piaces, for diffinition false, Leaders. This this like Signification that the word Lord in principally utfed in our Law-Books; where it is directly in the Call'd Levis of the Call'd Le divided. Into Lud Personant and Lud Moffer. Lead Moffe is he that it Owner of a Manner, and by virue thereof is he that it Owner of a Manner, and by virue thereof carrendois and yet holds, himfulf, of a fuperior Lead, called Lead Personant, or above him. We also read of For Lud and Fory Tenner: Fory Lud is he who is in-compared to the Lud Lud Lud Lud Lud Lud Lud Lud holds immediately of that Lud is that where there is Lud Personsent, Lud Moffe, and Tenner; the Lud Person means it prof. For Lud to the Tenner. He is also faul Lord in Gross.

Lord in Groy).

Lurd-Hiph-Admiral of England, is one of the great Officers of the Crown, whose Trutt and Honour is so great, that it has feldom been given, excepting to some of the King's younger Sons or next Kinfeno. To him is, by the King's intrudied the Management of all maritime Affairs, King, intradied the Management of all maritime Affairs, as well in refered of participation as promotion. He is a well in refere of participation as promotion. He is the Government of the Emilé Navy, with Power to decide all Controverlee, and Cadier Martime, as well Civil as Criminal, for which there is a possilize Courts fact, with the country of t cooks lying in the sea floating, or cast on flore, excepting in litch Royalties as are granted to other Lords of the Manner, &c. All geas Fifnes, call'd Royal Fifn, except Whales and Sturgeon: A Share of Frizes in time of War, and the Goods of Pirates and Felons condemned. War, and the Goods of Firates and Felons condemned. The Lerd-High-Adamval hat under him many Officers of high and low Condition i forme at Sea, others at Land; forme of a Milliary, others of a Civil Capacity i forme Judicial, others Miniferial. And in his Court all Proceffice illue in his Name, not the King's, as it does in all other Courts; for that the Dominion and Jurishicikon of the Sea

Coarts, fo that the Dominion and Jarifildition of the Sca may judily be filled another Commenceath, or King-may judily be filled another Commenceath, or King-Marimer Kingdom. He had such extra the Lord-ton of the Cord Law is the Tecchelling in this Coart and Cord-man and Matters, they proceed by a Special Committing from the Secretary, according to the Law of Zergland, and Matters, they proceed by a Special Committing from the Secretary, according to the Law of Zergland, the spath of Huny VIII. they were generally Recledial tests; time which, the Office hath been facility confer'd the Proceedings of the Cord of the Cord of the Cord Coron, and Parlons tiged by the Sovereign before they left Corem, and Parlons tiged by the Sovereign before they less Concern, as the Payment of Money, &c. which have

no recourse to the Great-Scal. The Lord-Priory-Scal re-ceiving his Warrant from the Signet-Office, sifues the Propy-Scal, which is an Authority to the Lord Chancellor to pass the Great-Scal, where the nature of the Great requires the Great-Scal, has Propy-Scal for Money be-gin in the Treasury, from whence the first Warrant if-lieux, counterfind by the Lord-Treasurer. On the Lord-ton.

gin as the Arcalusy, from whence the first Warrant II-Proposition are transmission of the Archive Proposition, and and Signet have no Salarine, but Beart-Wages poly-position, to ach for them. The Clerks of the Prop-Sad and Signet have no Salarine, but Beart-Wages poly-position, and Signet have no Salarine, but Beart-Wages poly-position, and upon Warrant, for Girl to March Performation, Pardona, Special Livery, Conge d'Ellier, Performation, Pardona, Licenses, 182.

183. The Archive Proposition of the Company of the Warte Staff, Special Livery, Conge d'Ellier, Profession, 1932 of Commons, and at the end of Parliament to adjust Parliamentary Expenses. At the Death of the Sovereign he breaks his Staff over the Hearfe, in which the Royal Corps are deposited, and thereby dischargeth all the Offi-cers under his Power.

cers under his Power.

Lord-Lieschant of Camica, are Officers of great Diftioclion, appointed by the King for managing the flanding Millita of the Country, and all Millitary Matters:
They are generally of the principal Nobility, and of the
bef Interest in the Country. They are of form the Millita
in case of a Rebellion, &c. and march at the Head of
them, as the King shall direct. They have the Power of shem, as the King flatil dired. They have the Power of committening Colonici, Makine, Capania, and Subselient committening Colonici, Makine, Capania, and Subselient Depuy-Licentenian; i who are to be felefield from the best General for County, and aft in the Address of the Lond, Linemann. No Subject in to be charged with an Perfonal Ethate, no swith a Free-Stockler, unleft he hash 501, yearly, or 600. I Perfonal Ethate. Subferrien to Julities of Feace, who, according to the Order they re-ceive from them, are to fiftee out Warrants to the High and Excy. Goal-Body, Ger for Ethinsey Service, G.S.

See Scat. LOTION, in Pharmacy, a Preparation of Medicines, by washing them in forme Liquid, either made very light, to as to take away only the Dregs; or made to penetrate them, in order to clear them of forme falt or corrodive Spirit; as the Latine of Antimony, Precipitates, Magille-Spirit; as the Leties of Antimony, Precipitates, Magiste-

or to communicate fome good one.

Lotion is also the Name of a Remedy, holding a Me-Latim is allo the Name of a Kennedy, holding a Me-dium between a Fementation and a Bath. There are re-freshing and formiferous Latinus for severith Persons, made of Leaves, Flowers and Routo boil d', wherewith the Feet and Hands of the Patient see wash'd, and after washing, wrappd up in Lionaca Recyd in the Same Doccition till dry. There are Lusional flo for the Head and Hair, made of the Althes of Vinc Twige.

The same are Lemma title for the Head and Hair, made of Lemma Head and Hair, made of Lemma Head and Hair, has Collobiated and Head and Hair Head Andrews on it is or rather, which are occasional by a Differenteer of the Skin, which are concused Signs of a foul Blood, proceed from the natural Salts thrown off by the catasteon Glassia, which only the which saws when the catasteon Glassia, which only the which saws when the Castleson Glassia, which only the which saws when the United The Hairs flouid Head and H

Frictions.

LOTTERY, a kind of Game at Hazard, wherein fe-veral Loss of Merchandize, or Sums of Money, are depo-fitted for the Benefit of the Fortunare. The Defin of Losterier, and the Manner of drawing them, are too well known among us to need a Defeription here. They are very frequent in England and Holland, where they cannot very recquent in England and Halland, where they cannot be fet on foon without the Permillion of the Magistrate. In France too they have had feveral in favour of their Huspitals. M. le Cleve has composed a Treatife of Lance riet, wherein is shown what is landable, and what blame-

able in 'ein: Gregorio Leti also publish'd a Book ou the able in 'em: Gregorio Leni allo publish d'a Book en thât Subject of Lienceie. And Father Menchierier has done the fame in a Treatife publish in 1700. He there shows their Origin, and their Use among the Remark. He di-stinguishes several kind of Lettersey and takes occasion to ipeak of Chances, and refolves feveral Cafes of Con-

fcience relating thereto LOVE and Harred:

other the French Arms, with this Legend, Sis namen Damini

lentálim.

Sr. LOUIS, the Name of a Miliary Order infitiated by Law XIV. in 1653. Their Coller is of a Hamecondon Control of the Control of t

The Commanders and Roughs,

LOW-EELLERS, in our Statute-Books, are Perfons
who go with Light and a Bell 1 whereby Birds fitting on
the Ground become flupefied, and so are cover'd with a

Net and taker

Net sed taken.

LOXODROMY, Rhand, the Coarfe of a Ship, or the Lox to Heforbas in hilling from any Point rowards another, the Lox to Heforbas in hilling from any Point rowards another, very Hatridan. The word Loxdown'y derived from the Greek sleep, and pypulo, (marg.) because it cuts that the coards and t

obttlee; the Dinance Between the two obttlee one some always equal to the Length of one Side. Some Geome-tricians call the Length electroscopy, and the Trapezines Hebmaurepte. In Geometry it is ordinarily call'd Rhombay. and when the Sides are anequal, Rhomboides, Scaliger derives the word Lozenze from Laurengia, this Figure refem-bling in some Respects that of a Laurel-Leaf,

Lozenge is also a Term in Heraldry; and 'tis in this Figure that all unmarand his in this right that an unmar-ried Gentlewomen and Widows bear their Coats of Arms; because, as fome fay, it was the Figure of the Amazonian Shield,

was the Figure of the Amaganasa Smeld, or, as others, because it is the antient Figure of the Spindle. The Lascone differs from the Fall, in that the latter is astrower in the Middle, and not fo fharp at the Ends.

Lascone, a Form of McGirbe, made into fmall Pieces, to be held or chewed in the Moath, till they are

melted or wasted.

LUCARIA, the Name of a Feafi in afe among the Remans. Sexus Pempeius objeves, that the Lucaria were celebrated in the Wood, where the Remans, defeated and celebrated in the wood, where the Romans, defeated and parfixed by the Gauls, retired and concaled themselves, it was held in the Month of 5als, in memory of the Afylum they found in that Wood, which was between the the Tyber and the Road call'd Vin Salaria.

The Word, according to Fefius and Sex. Pompeius, comes from Lucus, a Grove or Wood. Farre derives it from Luce, the Ablative of the word Lux, Light and Liberty. But

the Ablaire of the word Lev, Light and Liberry, Editorie Algenting General the more natural. Name of a Sect for called from Lettermary Liberry, Herwick of Sect for called from Letterm or Letterm, and the forced Corteary, He was a Diright of Mering, whole Error ho follow'd, and added new ones to 'em. Episher Company and Company and Company and Company and Company and Company to the courty for fast of receiving this recognition to unrary for fast of receiving the Company and And yet other Authors mention, that he held this Error Exercise.

in common with Marcion and the other Graftics. He de-nied the Immortality of the Soul; afferting it to be ma-

terial. There was another ScA of Ludanyit, who appear'd fome time after the Jrims. They trapht, that the Father had been a Father always, and that he had the Name even before he had begone to Scale Starting in him the Power of Paculty of Generality of Audit him the success counted for the Enemity of the Paculty of Scale Starting in the Scale Starting of the Scale Starting of the Scale Starting of the Scale Starting of Scale Scale Starting of Scale Scale Starting of Scale Scale Starting of Scale Scale Scale Starting of Scale Scal

Will in their Lucid Intervals

Will in their Lucid Intervals.

LUCIDA CORONA, a fax'd Star of the fecond Magnitude in the Northern Garland. See Star.

LUCIDA LYRA, a bright Star of the first Magnitude
in the Constellation Lyra. See Star.

LUCIDA LYRA, belong of a Sect., who adhered to

one of frents and deacons. Inc. Lawfersam note a very fitting Aversian to the Arisan.

LUES properly fignifies a Plague or Contagion, the according to the modern Use of the Word, effectially when joined with Gallies, or Veneras, it is refittationed only to the French Pox. See Veneral Disease.

to the French Pox. Sec Ventras Dyeals.

LUFF, a Sea-Term, the fame with Losf, which fee.

LUMBAGO, Pains very troublefome about the Loins
and the Small of the Back, fuch as precede Ague-Frie
and Fevers. They arife commonly from Fullnels
and Artimony, in common with a Disposition to Yawaings, Shaddering, and erratick Pains in other Parts; and go
do with Yawa-price constable to Season.

mgs, snudderrag, and cratick Pains in other Parts; and go of with Evocation, generally by Sweat, and other cri-tical Dicharges of Fevers. LUMBAKES, an Epithet given to those Branches of the Artisia Arris, which carry the Blood to the Mef-cles of the Loins. The Term is also applied to certain Visins, which bring back the Blood at pain and the the Trunk of the Frant Loss.

Lumbares Cantalde. See Laffeal Veins.

Lumbares Vene & Arterie, feveral fo called, while in

Lumbares Vesse El Arteria, Jewera to catted, while in their Paffage throf the Loins of from Lumbards, Lenn. LUMBRICAL, an Epithet which the Phylicians give to fear Muscles, that ferve to move the Fingers. They are call'd Lumbricals, or Yermsformers, from the Refern-blance they bear to Worms. There is a like Number in the Feet.

the Feet.

Lead-signity Majorit, (celled alfo Ferritainers, in regard
of the reflexibilities the Middle of the Hands, commonly fappoled to be conting but Benaches of the Truedons of the Peripara, which and are fappoled to
find the Peripara, which all the Commontion of the Peripara, which all the Commontion of the Peripara, which all the Commontion of the Peripara, the Common of the Common of the Peripara, the
days of the Peripara of flinct Mafeles.

finit Maicles.

There are also Lumbrissles of the Foot, which arise as in the Hand, one from each Tendon of the Perfension and got the Infide of each of the Iden Toos.

LUNA, in the Jurgon of the Chymils, fignises Silver; from the Improted Infidence of that Planet (the Moon) thereupon. The Medicinal Virtues of this Metal,

Moon) thereupon. The Medicinal Virtues of this Metal, Dr. Quinty fays, are none at all, until it hath undergone very elaborate Propurations. See Silver. LUNAR, fomething belonging to the Moon. Lune

Periodical Months confist of 27 Days and a few Hours 5 Lupersonal Nombs of 29 Days, 12 Hours, and three quar-ners of an Hour. See Month. Lunar Years confist of 354 Days, or 12 Synodical Months. In the first Ages the Year Days, or 12 synodical Months. In the first Ages the Year accounted by all Nations was Lawn's the Variety in Courfe being more frequent in this Planet, and of confequence more conflicteous, and better bown to Menthan thofe of any others. The Roman regulated their Year, in part, by the Monn till the time of Coint. See Fram. The Court to had their Luna Months. Some Rabbins precent the Caust to had their Luna Month did not commiss, till the Pumment the the Lusar Month did not commence till the moment the Deem began to appear, and that there was a Law, which obliged the Perfon who diffeovered it, first, to go and inform the Senate thereof. Upon which, the Predictor folernally pronounced the Month began, and Notice was given of it

o the People by Fires lighted on the Tops of Mountains. But this looks formewhat chimerical.

LUNATIC, formething affected or governed by the

Moon. Hence mad People are called Lunatics, it having antiently been an Opinion, that fach Perfuss were much influenced by that Planet. A much founder Phileso-

A much founder Philofophy hath taught us, that there is fomething in it; but not in the manner the Antients imagined; nor otherwife than what it has in common with other heavenly Bodies, occasioning various Alterations in the Gravity of our Atmosphere, and thereby affecting human Bodies. See Camet, Planes, &c. See also Tules.

LUNATION, a Revolution of the Moon, or the Time

between one New Moon and another 5 which is called a Detween one New Bloom and another 3 which M called a Symdeial Mostle, confiring of 30 Days, 1st Hours, and three guatters of an Hour. At the end of 17 News the time Landston always return, on the fame Days, but not at the fame precife Time of the Day 3 there being a Dif-ference of one Hour, 2 Minutes, and 33 Seconds. Here-in the Antimets were midlaken, taking the Ule of the Golden Number to be more fare and infallible than it is. It has been found fince, that in 312 Years and an half the Limitisms gained a Day on the beginning of the Month; fo that when they came to reform the Calen-Month is 6 that when they came to reform the Calen-dar, the Learnins happened in the Revens four or ince dark, the Learnins happened in the Revens four or ince the control of the control of the control of the tensor of the control of the control of the control of 19 Years 3 and when at the cod of 100 Years the Moon has gain'd 2 Dy, we alse 100 other Egabet: which is fall which happens three times in a co Years, the Calendar is adjusted to the San. Car is sucken that the locker of the Egabet must have be changed, excepting at the Concli-tion of a Contrary, when there is occasion forti, on second sien of a Cottury, when there is occasion for it, on account of the Metempositor Precomptoin's that its, of the Lunar or Solar Equation. When the Bisteristic or Intercalery Day is (prepried withent a Lunar Equation, the care following or lower ladex is taken, as was done in 1700. When there is a Lunar Equation without Impersifing the Bisterial, the next preceding or higher Indox is taken; as will be done in 4500. When there is both an Equation and a Suppreffice, as in 1800; or neither the one nor the other, as in 2000; the same Index is retain'd. See Month,

LUNE, or Lamla, in Geometry, a Plane, in figure of a Crefcent or Half-Moon, terminated by the Circumfe-rence of two Circles that interfect each other within. rence of two Gircles thas interfel each other within. Tho the Quadrance of the nine Grind was never yet effected, by the Geometrician have fund out the Squares effected, by the Geometrician have fund out the Squares that the Gircle of Gircle of

LUNE ITES, in Fortification, are Enveloppes, Connerguards, or Mounts of Earth caft up before the Curtain, about five Fathom in breadth. They are ufually made in Ditches full of Water, and ferve to the fame purpose as Falfe Braics. Their Lunesses are composed of two Faces, which form a re-entering Angle; and their Platform being only twelve foot wide, is a little raifed above the Level of the Water; and hath a Parapet three Fathom

LUNGS, a Part in the Human Body, confifting o Veffels and membraneus Veficles; and ferving for Refpi ration. The Long are connected, above, to the Fauces, by means of the Threados and below, to the Fareties of the Theories and to the Strems and Daphringum by means of the Threados and the Strems and Daphringum by means of the total control of the Strems and the Strems and the total control of the Strems and the Strems and the total time to the Strems and the Strems and the total control Fiftiers mining from the face to the back Edge. The great Lobes, when infland, referrable each of them a Carbon Control of the Strems and the The Langs are connected, above, to the Fauces, by Ox's inverted.

One a nevertod.

The Subflance of the Lungs is membranous, confiding chiefly of innumerable Cells or Vedeles; which form to be nothing but Expandens of the Membranes of the Branches, to which they hang like Grapes in Claffers; fo that by blowing into one of the Branches of the Branches, those Claim Wideles half.

by blowing into one of the Branches of the Branches, those Cells or Veficles belonging to it are blown up; the reft, which do not, remaining fill flaccid and unaltered.

These Castres of Veticles or Cells are called the Internal Labels, by which Name they are dislinguished from the lefter Lobes spoken of. They are separated from

LUN LUS

one another by Interffices, which receive the Ver-fells and are filled up with Membranes propagated from the Lobules, and lying, frome parallel, from angular. Thefe Lobales different and display themselves very ex-actly, if the larger Tranks of the Erronchia be laid open, and the letter blown into 5 by which means every Lobule belonging to that Branch will be infrated, and rife very

diffincily, and fixew its Extent.

The whole Subffance of the Lungs is covered with a common Membrane, which is divifible into two Coats; common Membraue, which is divisible into two Coaty a the oaster this, frontly, and errows the inter formershat thicker and rougher, confiling mostly of the Extremi-table and the confiling mostly of the Extremi-which is pitted, and refembles in forme measure as Ho-ney-Comb. Some estimaths in this Coat are abundance of Perforations or Procs, to disprofed that they readily imbbles any Humidity from the Cavity of the Theras, but make the combination of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the Cavity of the Cavity of the measurement of the Cavity of the Cavity of the Cavity of the Cavity of the measurement of the Cavity than Fancy.

than Fancy.

The Veffels of the Lungs are the Branchia, the Pulmonary and Broachial Arteries and Veins, Nerves and Lymphanies. Of these Veffels some are proper and some common, in respect of the Service they are of the threshold the Body. The common are the Branchia, the Pulmonary

men, in respect to the extreme libraritie, the Palmenstry Arreys and Vein, the Neumon are the Benezikie, the Palmenstry Arreys and Vein, the Neversiand Lymphatics is the proper are the Broochial Arrey and Vein. See each in its place are the Broochial Arrey and Vein. See each in its place of the Broochial Arreys and Vein. See each in its place of the Broochial Arreys and Vein are again faiblivided into insumerable Raminfordies call'd drombia. The Broochia and their Branches confidence of the Branches and the Bran of Cartilages like the Trackes, only here the Cartilages are perficulty circular, without any membranous hinder Part 3 of which, having left the Octobasses, they have no need. Thefe circular Cartilages are joined together by the Membranes that inveft them, and are capable of being flot out into Length upon Inspiration, and of shrinking upand running into one another in Expiration, when the Cavity of the Thorax is leffened. They fend their little Ramifications to all the little Veficles of the Lange. lettle Raminearous to all the little Venetic of the Leggt.
Along with the fair-Venetic run the Branches of the Palmonary Artery and Vein's fending their Ramifications exactly along with the other; the Artery bringing the
Blood from the right Ventricle, and the Vein earrying it
back to the left Ventricle of the Heart. Whether the

Blook returns by the Vein impregnated with Air in the lenot, is fill a Queftion.

The Bronchial Artery arifes from the bind Part of the Arta, a little above the Bafts of the Heart, whence, running off to the right, it combraces the Trackes a and after running off to the right, it combraces the Trackes a fact that the product of the product of the combraces the Trackes a fact that the product of the product of the Trackes a fact that the product of the product of the Trackes a fact that the product of th ruming off to the right, it embraces the Tradeus and after feeding off a Branche to two to the Oplyskaps, parties the Coarle of the Brenchis, accompanying all their Branches through their whole Progret. That Artery is forestioned fingle, but offerer there are two of them, and forestiment three, arising are coar a Finger's breach from each other. While their Arteries is a Vein, whole Branches other, While their Arteries is a Vein, whole Branches whether the Blood cerums by one one most Tradeu, Access the one appear. Their Veil'els bring Blood for the Narrimens of the Branches and Veiledes of the Lower, and carry it all the Branches and Veiledes of the Lower, and carry it and the Branches and Veiledes of the Lower, and carry it and the Branches and Veiledes of the Lower, and carry it and the Branches and Veiledes of the Lower, and carry it and the Branches and Veiledes of the Lower, and carry it and the Branches and Veiledes of the Lower, and carry it and the Branches and Veiledes of the Lower, and carry it and the Branches and Veiledes of the Lower, and carry it and the Branches and Veiledes of the Lower, and carry it and the Branches and Veiledes of the Lower, and carry it and the Branches and Veiledes of the Lower, and carry it and the Branches and Veiledes of the Lower, and carry it and the Branches and Veiledes of the Lower, and carry it and the Branches and

Thro' the Lungs are diffributed a great Number of Lymphatics, attending generally the Blood-Veffels; and being at length collected, difcharge themselves into the

Thoracic Duct.

De. Wills, contrary to the common Opinion, aftribes to the Langua great Number of Nerves, which come from the Trank of the Par Pages and which being diffithated that the Substance of the Langu, embrace the arrivas and languistrous Veffels. He also afters, that the Foland languifrous Vefficis. He also affers, that the Fig-and have michaels Fibres, to enable them no exert a greater contractive Force in Expiration 3 the others do-my any fuch Fibres. Disensives observes, that the Ve-ficies admit not only of Air, but also of other good Mattern 3 and inflances two Athenatic Perfoss which he opened, the one a Stone-Cutter, the Fificials of whole Language for the fifth of which Dairly, that, in catting, his Knife went as if thro' a Heap of Sanl 3 the other a Feather-Driver, in whom the Veficles were full of the fine Duft or Down of Feathers. For the Ufe and Action of the ungs, fee Respiration, Voice, &c.
LUNISOLAR, in Aftronomy and Chronology, is un

DUNISOLIAN, in Altronomy and Chronology, is un-derflood of founthing composed of the Revolution of the San, and of that of the Moon. Thus we fay the La-midiar Year; which is a Feriod of Years made by multi-plying the Cycle of the Moon, which is 19, by that of the San, which is 18, the Prodek of which is 532, if m which Space of Time those two Laminaties return to the Green Paper.

LUPERCALIA, Feafls inflituted in antient Rome in Honour of the God Pan. The Laparenta were celebrated on the 15th of the Calends of March, that is, on the 15th of February, ce, as Ooid observes, on the third Day after

They are supposed to have been established by On the Morning of this Feast the Laperes, or Priests of Pan, run naked thro' the Streets of Rosse, Stroak-Priefts of Pan, was naked they the Streets of Rond, theat-ing the Weeme they men en the Handsand Belly of which Sin of a Gost, and promising them Eccandity and bappy before the street of the Handsand Bell of the Dring the Lyrechine of this ideocent Cathenia need Rondsand Princip the Lyrechine of this ideocent Cathenia need Rondsand for while they were stilling at this East as and Romas for while they were stilling at this East as a series of Robbert, while held of the Contains, pubmedred them of their Elecks. Upon this the two Brochers, and II the Contain has was with chem, thousand of the Energy, and recovered their Prey. This for Perfect the Theory, and recovered their Prey. thenceforward this Ceremony became a part of the Loper-calia. This Feast was abolished in the time of Augustas, calls. In Feat was sommed in tune of soppies, but afterwards reflored, and continued to the Time of the Emperor Ameljoffer. Beronis fays, it was about the Amel of the Continued to the Time of the Emperor Ameljoffer. Beronis fays, it was about the Amel of Logoradis the Central Continued in Emirat Greece, under the Name of Lyeace, which fee. The Word comes time Lyeaced, the Name of a Flace under the Palatine Mounwhere the Sacrifices were performed.

tain, where the Sacrifices were performed.

LUPBRGI, the Name given to the Prieths of the God

LUPBRGI, the Name given to the Prieths of the God

LUPBRGI, the Name given to the Prieths of the Sacrification in Roses; a they were divided into two Colleges or Cannise they then called Falsar, and the other Papiralisa. To their Cyfor added a third, which he called Jahar. Seen period and thing the Colleges of the Sacrification of t nor in Honour of Pan, but by some Friends of Cafar, and

in Honour of himfelf LUPUS, the Wolf, a Southern Confiction, confifting

LUPUS, the Wolf, a southern Confellation, confifting of 19 Strate. Sec. Displicat upplied by the Antients to the MLOSTRAL, an Eighthern to Optimize the Parkins and purple the Copie. From them the the Antients call'd District Agricus; or Luffurd Day, that whereon the Lafterius was very referred for a Calid, and its Name given p which was the influ Day from the Brite of a Boy, and the eighb from that of a Crit. Others performed the Copies from that of a Crit. Others performed the Copies from that of a Crit. Others performed the Copies from that of a Crit. Others performed the Copies from that of a Crit. Others performed the Copies from that of a Crit. Others performed the Copies from that of a Crit. Others performed the Copies from the Copies was born, and others on the fifth Day from its Birth. Over this Feath-Day the Goddefs Namina was supposed to prefide. The Midwives, Nurfes, and Domestics handed the Child backwards and forwards around a Fire burning on the Altars of the Gods, after which they fprinkled it with Water. The old Women mixed Saras and Duff with the Water. The whole ended with a fumptions

Entertainment. LUSTRATUON Expiriton, Sacrifices, or Ceremonics, LUSTRATUON profiled their Chies, Frields, Armies, or People, deflicted by partified their Chies, Frields, Carmies, or People, deflicted by partified their Chies private. They had a kind of Luftrains, without Victims, for Children, on the chiph Day for Girls, and on the night for Born. Luftra-ries was the firme thing with Partification. There were different Manners, by Fire and Subbert, by Warrs and Brenchia and Veficles of the Lungs, and carry it

three different Species of it, or it was pertormed in three different Manners, by Fire and Sulphur, by Water, and by Air 5 which laft was performed by fanning and againing the Air round the thing to be purified.

LUSTRE, the Erillant appearing on any thing, particularly Mannfeltures of Silt, Wooll, and Sruff. Lafter is also wild the the Composition or Manner of giving that is also wild the the Composition of Manner of giving that the composition of the control of the

Brillant. The Luffer of Silks, which is their chief Qua-lity, is given them by walking in Soan, then clear Water, and laying them in a cold Alumn Bath. The Luffre of black Taffeta is given by dauble-brewed Beer, boiled with Orange or Lemon Juice 5 that of colored Taffeta's with Water of Gourds, diffilled in an Alembic. Carriers with Water of Gourds, diffilled in an Alembie. Carriers give their Light Foreral ways, according to the Colour to be illustrated; For Blacks, the first Lofter is with place of Barberries; the fector with Gum Arabic, Ale, Vinegar, and Fander Gluc boiled together; For coloural Leashers, they are the Witer of an Egg beaten in Water Morreco's have their Lafter from Juice of Barberries, and Lemon or Orange: For Hats, the Lafte is frequently given with simple Water, sometimes a little black Teint is added. The same Lafter serves the Skinners, except is added. The fame Lufter ferves the Skinners, except that in white Fars they never to any black Dye. For very black Fars they fonetimes prepare a Luftre of Galla, Copperas, Roman Alumn, Ox's Marrow, and other largedients. The Luftre is given to Clotha and Mohairs by reffing them under the Calendar.

LUSTRUM, a Term ufod by the Roman' to fignify a Space of five Jeass. Farso derives the Word from Ins.

to pay, because at the beginning of each five Years they paid the Tribute that had been imposed by the Cenfors; whose Authority, at their first Institution, was continued them for five Years; the afterwards it was abridged to

one. This Custom was established by Service Tallins in Year of Rome 180. Others rather derive the Word from Infirare, to make a Review, because once in five Years the Cenfore reviewed the Army.

Luftram was also a Ceremony or Sacrifice used by the

Luffress was allo a Ceremony or Startine used by the Remain after nambering their People one in five Teams. Remain after nambering their People one in five Teams. The Late of the Control of the Control

Blood.
The Last aid by Lemery, was only two Parts of Sand and one of Clay, tempered toglother in Waters which does very well for joining the Nofes of Recorts and their Receivers in diffiling of volatile Spirits, &c. in difficult of Septemberg, with its Head or Serpenitic, a wet Blodder fervies very well to last the Justicures of the VEHGlet: But for the Diffiliation of con-Juschares of the Veffels: But for the Diffillation of cor-ton Spring, and for the pice Cartes of Gidfen, §6, the following Composition is recommended, via. Starch bolled, or Finf. Gie diddoved in Sprin of Wine, with Flower of Sulphur, Maitie, and Lime flacked in Milk. Laum Sprieme is the Hermerical Scale, which is made by melting the End of a Class Matteria by a Launy, and writing tay with the Fleien. See Howesteral Scaling, The Uniform Composition of the Cartesian Scaling, The LLTE, Manfael Informace with Strings. It had as-ticulties for the Rose of Strings. It was control of the

LUTE, a Muffel Informent with Strings. It had as-ticulty has fee Ross of Straigs; but needed of time four, five, or fix more have been added. The face tog-ling the string of the string of the string of the Information of the Strings, and the the strings of Divisions mat'd with Strings, and the the Strings of Divisions mat'd with Strings, and the Had to the strings of the proper Towe. In the middle of the Table is Rofe or Pallage for the Stond. There is also of lwey between the Head and the Nock, to which the other Extramity of the Strings are fitted. In playing, the lattice are string to the String are fitted. In playing, the lattice are string to the String are fitted. In playing, the left the Stops are preffed. We call Temperament of the Last the proper Alteration that 1s to be made in the Intervals, both with regard to Conforances and Diffonances, in order to render them more just on the Instru-ment. Some derive the word from the German Laute, which fignifies the fame thing, or from lasten, Jonare. Scaliger and Bochart derive it from the Arabie, Alland. The Scaliner and Eschart derive it from the Mahre, Alland. The Lates of Doulogne are effected the best, on account of the Wood, which is faid to have an uncommon Disposition for

Wood, which is last for have an uncommon Lingention to LITTIEEEA/MSM, the Sentimence of Po. Marring. Ju-tive, with regard to Religion. Linkensum In the Inter-tor, with regard to Religion. Linkensum Inter-tor, with regard to Religion. Linkensum Inter-tor Inter-lection at march 5, after his Studies be extered his-fold; among the depolition. In \$113, teach the Cup of a Deck in attained, the School-Divisity in Feveral Taches, Internal to the Company of the Company of the Inter-poral to infect who Bendel Contribute contains the Judie Language of the Company of the Inter-tor the Dimensioner. The Anguliner thinking they had a Title to in before any body elfe, 36th dapaths, their takes Diffusedire of Indiagnose. Later acquired him-felf is a numeer that perhaps the Commiliary had not timing the Period of the Internal Commiliary had not timing the Period of the Internal Commiliary had not timing the Period of the Internal Commiliary had not timing the Period of the Internal Commiliary had not timing the Period of the Internal Commiliary had not timing the Period of the Internal Commiliary had not timing the Period of the Internal Commiliary had not timing the Period of the Internal Commiliary had not timing the Period of the Internal Commiliary had not timing the Period of the Internal Commiliary had not timing the Period of the Internal Commiliary had not time the Internal Committee of the Internal Committee of the Internal Committee of the Internal Committee of the Internal Internal Committee of the Internal Committee of the Internal Internal Committee of the Internal Committee of the Internal Internal Committee of the Internal Committee of the Internal Internal Committee of the Internal Committee of the Internal Internal Committee of the Internal Committee of the Internal Internal Committee of the Internal Committee of the Internal Internal Committee of the Internal Committee of the Internal Internal Committee of the Internal Committee of the Internal Committee of the Internal Internal Committee of the Intern producing a fweet Sound warmly both against the one and the other. At first he only advane'd ambiguous Propositions, but being engag'd in dispute about them, he maintain'd them openly and without Reserve, insumuch that in 1520 he was solemnly in dilguies decise ristin, de institute in tende depuly sails concommended to the concommendated by the Pope. But scriber the Pope's Thomber, nor the Condemnation of ferent left of the Condemnation of the C

Luberanija has undergone fome Alterations fince the me of its Founder. Latter rejected the Epithe of St. amer, as inconflicten with the Doctrine of St. Paul in re-Josep, as incondition with the Bedrine of St. Paul in re-lation to Julificeson he soll for addite hydrolygies. Church. Later fail reduced the Number of Stermmens to use, size Begrin and the Exheritish Ster believed the to use, size Begrin and the Exheritish Ster believed the for the Bread and Wise recensi with the Body and Bised of the Bread and Wise recens with the Body and Bised of the Bread and Wise recens with the Body and Bised of the Bread and Wise recens with the Body and Bised of Cheffit and the Landon and Exploit Charleston exhibit. Later Advantage of the Body of the Body of the Worldon's Charleston and Advantage of the Body of the Body of the Body of the Royal Charleston and the Royal Charleston. He also opposed the Dodgine of Prec Will, maintain'd Predefination, afford that we in a State of Sin, and even the Virges then they are a Sun a State of Sin, and even the Virges then they are a Sun a State of Sin, and even the Virges then they are a Sun a State of Sin, and even the Virges then they of the a State of Sin, and even the Virges then they are the supplications. in a State of Sin, and even the Virtues themselves, of Heathens, are Crimes; that we are only justify'd by the Imputation of the Merits and Satisfaction of Christ. He alfo opposed the Faftings in the Remiß Church, Monaftical Vows, the Celibate of the Clergy, &c. Some Authors reckon thirty nine different Sects among

Vons, 'the Cellbare of the Clergy, Ex.
Souch Authors rection thray more different Red's among
Souch Authors rection thray more different Red's among
Authorities.

Souch Authors rection throw the Authorities, Authorities,
Authorities, Souch and Authorities, Authorities,
Palignemental, Angleinen, Anteilenburgh, Lapers on Handle,
Palignemental, Angleinen, Anteilenburgh, Lapers on Handle,
Palignemental, Angleinen, Angleinen, Anteilenburgh, DenCertifylinghis from an unwerring, Stillen, Onandeira, onmariena, Antifacensian, Zenegian Ipingé, Zenighans Igaguitance, Carlydiants, Enemya Prophyl, Arthanani Japina,
Menmeniet, So. Jere T. 1, p. 431.

LUTHERN, on Domest, a kind of Window over the
Nated of the Walling thunding perpendicularly over the Nated of the Walling thunding perpendicularly over the Nated of the Walling thunding the Company of the Compensation. The Frest Architect dislingsift their to Upper-Sour, The Frest Architect dislingsift their to Upper-Sour, The Frest Architect dislingsift their later of Stanton.

The Part Architect dislingsift their Latersha, E. The Voict comet from the Lone, Latersha,

ELIX ATION.

Chargery, a Relaxation of the Lone of the Compensation of the Lone of the Compensation of the Lone of th

and Articulation of the Joint; to warm, no the mono-of Preficies Surgery, LICANTHROPY, a lift of Phremy or Diffest, that rage Feople to run thro the Greeces and Fields in the Symptom, Etc. are in most refrech the fune with that of the Physiological symbol for Chee World comes from the Greek Nicky, Lipius, and Libert & Howal comes from the Greek Nicky, Lipius, and Libert & Howal comes from the Creek Nicky, Lipius, and Libert & Howal saws the fined to Man-Juli I.

And the Name of a celebrated School at A. LICEUM, the Name of a celebrated School at A. LICEUM, where Assigned explained his Philosophy. The Place was composed of Portico's, and Trees planted in the Figure of an V. Hence the Philosophy of the Lyreem is and to figurity the Philosophy of Assigned to figurity the Philosophy of Assigned to Figure 1.

and to fignify the Philotophy of Anytoste, or the Peripa-retic Philotophy.

Suidas observes, that the Place took its Name from its having been originally a Temple of Apollo, or rather a Portice or Gallery built by Lyans, Son of Apollo; but others mension it to have been built by Possificates or Pe-

others measured it to more occur out by Polyimston & Pseuliu Circumstance and the Company of the

fore it mixes with the Blood.

LYMPHATICS, or LYMPHAEDUCTS; very fmall, fine, hollow Veffels, generally ariting from the Glands, and conveying back to the Blood a transparent Liquov, call'd Lymph or Lympha. Thefe, tho not so visible as the

other Veffels, because of their Minuteness and Transpaeiner Veifel, bezuufe of their Minutenels and Transja-eury, art Buswere existent in III zurs of the Bosty-ter, and the seven of the Bosty and the Bosty and the being defentibed in musty Farrs. The Lyapshoist are constructed at familia and anequal Diffuses, by two opposi-tions of the Bosty and the Bosty and the Bosty and the Bosty through them towards the Heart, but final, like Fledd-Gotts, upon in rerunning. They arise in all Parts of the Body, but after what manner, needs no great Diffuse; in gine the Chile, are departed from the Blood in the fine Capillary Veifels, by a different Fire from the common Channel in which he erif of the Blood mores; has wel-Channel in which the reft of the Blood moves: but whe-ther this Fipe be long or floort, whether it be vifible or invifible, it is fill I Gland, whill it fuffers fome part of the Blood to pals thro it; denying a Faffage to the reft. Now the Glands which (cparate the Lymph must be of the fruitle Blood to the control of the control of the control.) Now the Glands which teparate the Lymph mult be of the fmallet kinds, for they are invifile to the fined this crofcope; but their exerctory Ducks, the Lymphanie Vef-lels, unite with one another, and grow larger, as they approach the Heart; yet they do not open into one com-mon Channel, as the Veins do; for fometimes we find non Channel, as the Veins do 3 for fornetimes we find two, or three, or more Lymphicine, running by one another; which only communicate by flort intermediate Duckts, and which unite, and immediately divide again. In their Progress, they always touch at one or two conglobate or veilcular Glands, into which they difcharge themselves of their Lympha. Sometimes the whole Lymphan opens at everal Places into the Gland, and fome-plant opens are feveral Places into the Gland, and fometimes it fends in only two or three Branches, whillt the main Trunk pattes over, and joins the Lymphaties which arise from the opposite fides of the Glands, exporting mind clean panels over, took yout rick supposed wanted mind clean panels over, took yout rick supposed was a gain their Jupph's to their common Receptacles. Now the Chands of the Abdomete, which receive the Receiver of the Chands of the Abdomete, which receive the Receiver of the Recei to be, that the flow-moving Lymphs may receive a greater Velocity from the elattic Contraction of their mem-

ter velocity from the clatter Contraction of their mem-branous Cells, as well as from the new Lymp's imme-diately derived from the Arteries. See Gland. LYRA, or LYRE, the fame with Cibbra, a Harp; a ftringed Inframent much used among the Antienes; faid thringod infirument much uled among the Antients; faid to have been invented by Merzey, on occasion of his finding a dead Shell-Fifth, call'd by the Greek Chelone, and the Lattin (Flow), left, on an loundation of the Nile; of the Shell whereof he form'd his Lyre, mounting it with few the Shell whereof he form'd his Lyre, mounting it with few Shell whereof he form'd his Lyre, mounting it with few Shell whereof he form'd his Lyre, mounting it with few Shell whereof he form'd his Lyre, mounting it with few Shell whereof he form'd his Lyre, mounting it with few Shell whereof he form'd his Lyre, mounting it with few Shell whereof his shell where the s

lates the Opinion of fome, who fay that Mercary's Lyve had but four Strings, in imitation or the Mundane Muffe of the four Elements. Divedant Steaker lays in had but the Strings, in imitation of the three Scales of the Year's which washed all the Great Control of the Year's which washed all the Great Control. which were all the Greeks counted, wis. Spring, Summer and Winter. Nicomachus, Hornes, Lucian, and others, make 

race with the Lyra and Cithara) Epigenium, Summicion and Pandara; which were all firuck with the Haod or a Plec-

The Lyra among Painters, Statuaries, &c. is an Attri-nate of Apallo and the Mufes.

Lyra is also a Constellation in the Northern Hemi-

Lya watto a confiling of thirteen Stars. See Star.
LYRIC; functining fung, or play'd on the Lyre or Harp. The Word is particularly applied to the antient Odes and Stanza's; which answer to our Airs or Tunes, and may be play'd on Influencess. The Antients were great Admirers of Lyrie Verfet, which Name they gave to great Admirers of Lyne Vertes, which Name they gave to fush Verfess as on to come under either of the two ordina-ry Kindsof Verfe, vis. Hexameters and lambis. There were principally lufed in Odes, and in the Chours's of Ten-gedies. The Characterifite of Lyne Poetry, and that which dillinguishes is from all calless. godiet. The Characlerific of Lyric Peorry, and that which distipation is from all others, as Sweemeds. A Gravity rules in Heroic Verfe, Simplicity in Fational, Tendemotic March 1997, Sharpeds and Sugarassy and Sangharan March 10 Con [1977, Sharpeds and Sugarassy and Sangharan March 10 Con [1977, Sharpeds and People Initiality would be supported by the Conference of the Verfe, and the Delicacy of the Words and Variety of the Verfe, and the Delicacy of the Words and Variety of the Verfe, and the Delicacy of the Words and Delectorpton of Things and Pholonia, in their own Nauce. See Ool, Sung. &c. LVSIARCHA, the Name of an antient Magiffrance or Nauce. Towns of Lyria. Swise sufferires, that the Lyria-cits was a Words and Conference of the Confe

created in a Council, confiling of the Deputies of eveny-three Cities, that is, of all the Cities in the Province; form or which Cities had three Volcen, others two, and prefeded in Marten's Religion; in cities, the specifical early and the council of the council of the council of early and the council of the council of the council or when, the chye were all the Heads of the Councils or States of those Provinces, you were they elibblish d prin-cipally to sake acre of the Games and Redist cell-trust in houses of the Good, whole Priefs they were insugar-ared at the fame time that they were created Lylandis. three Cities, Syriarcha, or Aliarcha,



A Confount, and the Twelfith Letter in the English Alphaber. It is promounted by the property of the Confount of the Promotion of this Letter special confoundation of this Letter was confling in I little I distort made in the Nole in the two confling in I little I distort made in the Nole in the two confoundation of the Nole in the Nole who have that Codif, for Moderality promounce By the Nole in that etils being distibled from making the necessity Motion. necessary Motion. See B.

necessary atorion. See E. Quimilian observes, that the M formetimes ends Latin Words, but never Greek; the Greek's always changing it in that Cale into N, for the lake of the better Sound. M is also a Numeral Letter, and among the Antients was used for a Thousand; according to the Verse,

M Caput oft Numeri quem feimus Mille tenere.

When a Dash is added a top of it, it fignifies a thoufind times a thousand ; M.

Sand times a thousand; M.

The Letter Min Aftronomical Tables, and other things
of that kind, is ufed for Meridional or Southern.
M, in Medicinal Prefeription, is frequently ufed to figmify a Manjiela, or Handrill and is formetimes allo pat
at the end of a Resipe, for Mojer, mingle; or Mintans, a

M, in Law, was the Brand or Stigma of a Person con-M, in Law, was the Brand or Stegma of a Perfor con-victed of Murder, and admirted to the Benefit of his Clergy. It was burnt on the Brawn of his left Thamb. MACARONIC, or MACARONIAN's a kind of Bur-lefque Postry's confiling of a Jumble of Words of diffe-tent Lauguages, with Words of the valgar Tongue Iati-nia'd, and Laws Words modernia'd. For Intlance, a bold Fellow, in the Macaronic Stile, fays;

Enfilavi omnes Scadiones & Regimandos, &c.

Another Example :

Archeros Piftoliferos fariamque Manantum, Et grandem efmentam que tropismus faïta Ruelle est : Toxinsmque also troublantem Carda Clochero, &cc.

Mearner, among the Italians, as has been observed by Celhus Roadginns, Italians, as has been observed by Celhus Roadginns, Italians a coario clownish Mao 3 and because this kind of Poetry, being pauch do out of several Languages, and full of extravagant Words, is not for paties and imnorth as shote of Veryil, &c. the Instans, among whom it had its Rife, gave it the Name of Mearnans and Mearnerie Poetry. Others arther chafe to demong whom it had its rule, gave it the Mattheward and Macaronic Poetry. Others rather chufe to drive it à Macaronibus, from Makarons 5 a kind of little Cakes made of Meal not boulted, with Eggs and Cheefe; acmade of Rical not usuated, with figgs and Cheefe's accounted a great Dainty among the Country People in In-Is's which, from their being composed of various Ingra-dients, occasion'd this kind of Poetry, which confide Latin, Indian, Spanifo, French, English, &cc. to be called but wheir Name

by their Name.

Theoph. Edingins, a Beneditin Monk of Mantna, was the first who invented, or at least cultivated, this kind of Verse: For the we have a Macarenea Arimmensis in a very old Letter, beginning, Eft Author Tiphis Levnices atque Pa-ranfus; yet it feems to have been the Work of Guarinus Capellus Sarfinas, who in the Year 1526 printed fix Books Laprens surprise, who in the least \$1.56 printed in Books of Macarini Footty, in Calciums Gaganoge, \$8.50 s. but as both these came out after the first Edition of Islangiae, which was published under the Name of Merlin Cecaye, in \$120.5 ft were they likewise much inferior to him both in the Stile, Invention and Episodes wherewith he has en-stabled the Hillens of Balts. in the Sile, Invanion and Epifodes wherewith to has en-tifuld the Hittery of Balasi which make the Subject of this Poem. The famous D. Raddain traditated the Mace-serie Silici and to the Intalian Verle in the Fresh Pirof, and on the Model: thereof formed forme of the belt things in the Tamagrad. Main Locasy me with 6 much Succession in the new Way, that he completed snother Book partly in Mazames Silic, et al. If Lie Lie Lie pre zers y but with very different Success. After this, uppeared in Indy, Ma-caronia of Syplencia Contaminum Silicine Silicine. earmous at syndrom, 55 Condemnation Deternit Simplems Len-by, a low Performance; and Maneroni Firsta, an excellent one, by Sefenio a Jelini. In 1620, Bisjani published a Carnavalle Table Materines. The last Itabar who wrote in this way, was Coffe Urfaint, to whom we owe Capricia Materinesia Maffill Sophis Pere Fewancingli, yrinted in 1636. The first who funcceded in the Maneronic Stile a-mong the Frenth was Jetimia de Areas Proveoglish de his-arong the Frenth was Jetimia de Areas Proveoglish de hisgardisma Villa de Soleriis, in two Poems, which he has left us; de Arte Danfandi, & de Guerra Neopolitana Remona & Gennensi. He was follow'd by another Lawyer, who wrote Genneylt. He was rolled a by another Lawyer, who wrote Hilloria Bravillius Carell V. Imperat. a Previncialibus Paylants triumphanter fugati. Some time after Remi Bellian, a-mong his other French Poeffes, printed Dillamen Metrificum Belle Haponotice, E Raftiorum Pigliamine as Salates; a Piece much valued. This was furceeded by Cacalana Reiftre Stiffe Laufquenterum per M. J. B. Lithiardom Spal-

Sperimum Pestam 3 to which Stephen Tabuser return'd an Answer in the Same Strain. Latity, Idon Edward do Mesmetere'd the Lifts, and left in unter terijuant jas Camme A-renaicum de guarmadum Nagigerulerum Panfia infopperabilit. The Recitus Verbablis faper vershill efmena Englansram de Raella, is one of the best Freces of this kind.

We have but little in English in the Macaronian Way; nothing fearer, but fome little loofe Pieces collected in Cambdon's Remains: which is no Diferedit to our Authors: for one may fay of fuch Pieces to general,

Turpe est Dissieles babere Nagas, Et Staltus Labor est Inepriarum.

The Germans and Netberlanders have had their Macarenis Pocts; winefs the Certamen Carbelians can Caleinifit, of one Martinius Hamcenius Frifus, which contains above twelve hundred Verfes, all the Words whereof begin

with the Letter ( MACE, a Medicinal Bark, the outermost of the three which covers the Nutmeg. It is of an astringent and drying Nature, and is used as a Corrector in Cardine and

drjugh Nature, and is ufed as a Corrector in Cardiac and Cathartic Campeidines. See Names;
MAGERATION, in Pharmacy and Chymistry, is understood a cardina Freparation of Medicines, otherwise described of a certain Freparation of Medicines, otherwise caspectful by the Word Dupplinn. Chlora bowever referain the Word to after particular kind of Digottion, which is performed in a thick Matter's as when, for inflance, the litter of the Affect of the Control of the Control of the Control of the Matter is expedid for fonce Days to the Sou, that the Ultrare is expedid for fonce Days to the Sou, that the Ultrare is expedid for fonce Days to the Sou, that the Ultrare is expedid for fonce Days to the Sou, that the Ultrare is expedid for fonce Days to the Sou, that the Ultrare is expedid for fonce Days to the Sou, that the Ultrare is expedid for fonce Days to the Sou, that the Ultrare is expedid for fonce Days to the Sou, that the Ultrare is expedid for fonce Days to the Sou, that the Ultrare is a control of the Ultrare in the Ultrare is a Control of the Ultrare in the Ultrare in the Ultrare is a Control of the Ultrare in the Ultrare is a Control of the Ultrare in the Ultrare is a Control of the Ultrare in the Ultrare is a Control of the Ultrare in the Ultrare is a Control of the Ultrare in the Ultrare is a Control of the Ultrare in the Ultrare in the Ultrare is a Control of the Ultrare in the Ultrare in the Ultrare is a Control of the Ultrare in the Ultrare in the Ultrare is a Control of the Ultrare in the Ultrare in the Ultrare is a Control of the Ultrare in the Ultrare in the Ultrare in the Ultrare is a Control of the Ultrare in the Ultra to the Fat. See Digestion

MACHINE, in the general, fignifies any thing that ferves to sugment or regulate moving Powers; or Machine may be defined any Body defined to produce Motions, fo as to fave either Time or Force. There are fix prinfo as to fave either Time or Force. There are fix prin-cipal Machines, to which all the other may be reduced a regular Machines, which will be the selection of the Screw. Thefe are called Supple Machines; and of their all other composal coses could. For the Doltime of their, for balance, Leter, Sec. See also Mechane Fusics, the selection of the selection of the selection of the finites; and yet the Amients from to have out-door, the Moderns in this refpect. Their Machines of War, Ar-chinecture, U. being destributed as waitly lapseire to

Curs. Makbine for Building, is an Affemblage of Picces of Wood fo difpofed, as that by means of Ropes and Pal-toy, a finall Number of Men may raife walt Lock, and lay em in their Places, as Crance, &c. "Tis hard to concrive what Medbinst the Antients mult have used used to raife those immense Stoner found in some of the antique

Buildings.

Buildings, Phylanalic, or Water Machine, is either ufed to fignify a finished Machine, ferwing to conduct or raifo Water 5 as a Sluter, Funny, Ed. or feveral of thefe achine together, to produce fome extraordinary Effects as the Machine for Marrly sthe Timman Malde whereof is an Arm of the River Scine, which by its Stream rurus feveral large Wheels, which boy its Headles, and the do with Filton raife the which work the Handles, and thele with Filton raife the Water up into the Pumps, and with other Piffons force it up in Pipes against the Afcent of a Hill to a Refervoir in a Stone Tower, 62 Fathorn higher than the River; fufficient to supply Verfames with a constant Stream 200 Inches in

Diameter. Machine of Pare: These among the Anticats were of three kinds; the first ferring to Isaneh Arrows, as the other charts of the Anticats were of three kinds; the first ferring to Isaneh Arrows, as the other charts of the Anticat Chart of the Anticat Chart of the Chart of the Chart of the Chart of the Chart of Meller three was approach of the Enemies Walls. The Medicate of Pare now in airc, confid in Artillery, Bombs, Petersk, See. The it must be observed, that in thrittening a Medicane in Innesthing that confide more in thrittening a Medicane in Innesthing that confide more in Chart of the Chart of the Chart of the Macribia, and for this reaching the Macribia, and for this reaching the three three chart of Medicane are call'd Impedient or Ingeneers. See Engage. The Wind counts from the Chert of Agree of the Chart of t

Intention, Art.

Mackine, in Dramatic Poetry, a Term ufed, when the Poet brings fome Divinity or Inpernatural Being upon the Stage; 5 to perform fome Exploit, or folive fome Difficulty out of the reach of Human Power. The Machines of the Drama are Gods, Angels, Ghofis, §5c. which are fo called from the Machines or Countyances by which are to called from the Matchiner or Contrivunces by which they are preferented upon the Stage, and afterwards removed again. Hence the Ufe of the Word has also patified into the Epic Poem; the 'the Reason of its Name be there wanting: The Word, however, is us'd in the fame Seafe in both, size for the Intervention or Ministry

of fome Divinity; but the Occasion of Machines, in the one and the other, being somewhat different, the Rules and Laws of managing them are different likewise. of found Drinkly) but the Occation are exceeding the and and a contract of the that Pectical Fary which expected rifelf wholly by Af-legeries and does nothing but by Machines, or the His-nility of the Gols. A Feet therefore must leave it to Storm, and driven to foreign Shorers, and must himfelf fary with Freight, that There went to fock Eolers, and that white Gol, at the Report, turned the Winds loofs a guilatt the Toyans. He must be the Winds loofs a guilatt the Toyans. He must be the Winds loofs a guilatt the Toyans. He must be the Winds loofs are garden to the Winds of the Winds of the Winds loofs are garden on all Occasions; and one of the Winds look as we be with the Winds of the Winds and Winds and the week by the board in all his Enterprise. Let an Hillers. and muit lay with Homer, that Momerous led him as it were by the band in all his Enterprises. Let an Hillorian fay, that Agametanson, quarrelling with Achiller, has a mind to flow him, the 'militakingly, that he can take Trey without his Affiffance. The Poet must fay that Te-

issues for the Ineatte. In Tragedy that Critic will never have them sa'd without an absolute Nocestily's whereas in the Februar they flould never be used but where they may be well let alone; and where the Action appears as if it did not necessarily require them. How many Gods and Machiner does Virgil implore to raife the Storm that drives Eneas into Carthage? which raife the Soorm shat drives Ameus into Carshope! Which you might eafly have happened in the one-learn't Courfee of the Carser's consistence of the Carser's consistence of the Tourist Carser's consistence of the Tourist to Carser's hinder property to form Purso of the Poem: but this the Prefence of a Denisity, and Gone Guerrandears Age and Distinsty, and Gone Guerrandears Age and Distinsty, and Gone Guerrandears Age and Distinsty, and Gone Guerrandears Age his Work, to reader it more majefifich and admirable ja and to train his Readers to Petry and Virner. This Mixture flooid be 6 managed, as that the Mochaber may be retromoble, without restriction, and the train which the contraction of the Carser Ca

the Action the Action.

As to the Manner in which the Machiner are to act; it
may be observed, that in the old Mythology there are
Gods both good, bad, and indifferent; and that our Paffions may be converted into so many allegorieal Divinifions may be converted into fo many allengrical Drivin-ties: 1 chain; every thing, both good and both in a Premi-ties: 1 chain; every thing, both good and the chain scheduly them. They don't however always sell in the farme manner: I benefities they at wintow appearing, and by fimple tolgramines, who when we far who are the contract of the contract of the contract of the con-tinguished the contract of the contract of the contract taggeded dark a Prophyt. Gr. The Cond Missace of their action; is enrich universaluan; as when a Driving them is earlier to diginal templetes under form-be-man Form without differenting themselves. The third Diamner parkses of each of the voc, and confill in a

Oracles, Dreams, and extraordinary Inferiations a which by the Conditionary and Conditionary All their Manners ought to Verifinalization be of a will Extent in Marsher, a being founded on the Drivine Power; yet has it Bounds. He reary reports these kinds of Medalers for the Stage; the heart proposition of the Stage of the Conditionary Power of the Stage; the heart proposition of the Stage of to a Swallow, of Cultum into a Sergoni: and even their Machiner is done to a thinking to continuous or excident the Cultum of the three he gives, is that of a Child taken alive out of the Belly of a Monther than had decounted in. The other two Manners are allowed to differently in the Sypper; is the Seages is the clinique of the Cultum of the Cultum

See Beffin.

MACROCEPHALUS, from paged magnet, eyen, and
separal, Caput, the Head, is fometimes used to fignify an
Head larger than of a cateral Size.

Head larger than of a cateral Size.

MACKICEPHALUS, two moster memory, reef, and lifed larger than 6 a sourced Size.

MACRICOGOM, a Term foldom used but in opportunity of the source of the sour many of them arife in the middle of the Disk, and many difuppear in the fame; and that none of them are observed to deviate from their Path near the Horizon: Whereas Heveline observing Meesny in the Sun, near the Horizon, found him too low; being thrust 27 Seconds beneath his former Path. From these Phænomena we

collect, (1.) That fince Mercony's Depression below his Path artice from his Patallas, the Masale having no Parallas from the San, are nearch fini than the Planet; but since they are hid behind the San three Days longer than they are in the Hemilphere wishle to us, it fol-lows alfo, that they don't adhere to the Surface of the San, bur are at form diffuser from it.

(2.) That fince they arise and disappear in the middle (a.) That mee they arrie and dilappear in the middle of the Sun's Disk, and undergo various Alterations with regard both to Eulk, Figure, and Donfity, they must be formed de swox, and again diffulered about the San 3 and are therefore, in all probability, a kind of Solar Clouds formed out of its Exchalations.
(5.) Since then the Solar Exhalations rife over his

Body; and are falpended at a certain Height from it; it appears, from the Laws of Hydroftatics, that the Sun must be incompassed with fome Fluid to drive those Exmuß be incompatied with fome Fluid to drive thete Ex-halations appearies which Fluid must be denfer, as it is lowers and rarer, as bigher, like our Atmosphere; And fince the Marked diffusive and disppear in the ve-ry middle of the Sun's Disk, the Matter thereof, i.e., the Solar Exhalations must fall back again to the Sun; whence there must artic Changes in the Sun's Atmofphere, and confequently in the San itfelf.

(4) Since the Revolution of the Massale round the San is very regular; and fince their Dilitance from the San is very final, it is not properly the Massale that move round the San: But 'tis himfelf, together with his Atmodibates, wherein the Massale livins, that in the foace of 27 Days mover round in own Axis; and bence it is that the Macules, being viewed obliquely near the Limb, appear nar-row and oblong.

cule, being viewed obliquely near the Limb, appear nar-mer and Lolong. Gine the San appear with a circular Disk in every Situation 5 his Figure, as to Senfe, mult be pherical. Some Authorn Hieroric task notice of Facule, or bright Spots, in the Disk of the San, much more la-teration of the Company of the Company of the Company of different from them both, as to Figure, Davartine, Sfe-Heedins mentions his feeing a Facula in 1644, which took ga a third port of the San't Dimmeter; and adds, that up is tunto per of the Sun's Dismeter 5 and adds, that the Mande frequently change into Facale 5 but the Facale feldom or never into Mande. But Haygens, and other great Aftenomers, reject the Notion of the Facale 5 hav-ting peer feen any thing like them the facale 5 havgreat Africonomer, reject the Notion of the Jasobé j having in power fren any timing like interm (tho farmirly d with great per large and the property of the property of the dim Cloudw which frequently accompaning the Metales and which may be owing to the Refraction of the Sam's and which may be owing to the Refraction of the Sam's and in the rater Parts of his Afrinofphere. And as to that life-le Inequality observed in the Circumference of the Sam's Dakt, which is ufually afcribed to the Wavings and Erndations of the Plannes; it feems better accounted for

from the tremulous Agitation of the Vapours in our MADDER, the Root of a Flant, much used by Dyers, to make the most solid and rich red Colour; is has its Uses too in Medicine, being found of Service in Obstructions of the Viscera and CacheCit Confitutions;

Obliractions of the Viteers and Caenecus Continuouss; and is generally made up in forms of Decoclioss, Dict-Drinks, and medicated Ales.

MADNESS, or MANIA, in Medicine, a kind of De-liniam without a Fever, attended with Rage, and a total Itian without a Evere, attended with Rage, and a total Derivation of Rafao. Mathed confining much in Delivation, to explain the Nature of the termer. Dr. Delivation, to explain the Nature of the termer. Dr. Delivation, to explain the Nature of the termer. Dr. Delivation, to the Nature of the termer. Dr. Delivation of the Nature of Nat that it can excite Ideas or Motions of a confiderable Im-press, without any manner of Certainty or Order, fuch a Delirium will be attended with Boldness or Rage, and visual results of the Body; that is, a Madness will be produced. Now it is plain, that all the known Causes of this Diffemper give a greater Disposition to the Blood for Mution, and render it fluxile, but nor confiftent, and uniformly thick enough; and therefore that they difpose Persons likewise to continued Fevers, fince they ec-casion the Blood to be thrown out of the Heart with an enfige the Blood to be thrown out of the Heart with an interacted Force, walled from other Caulic intervence, wakerby the Efficacies of the for are interrupted in different principles. The state of the Heart Propagation and the Blood in ordering the Blood into Febrich Motomas in and the Blood in Paras that is, fo amidernly startfield, that it can easily, with any Force by the Motom received from the Heart, go into Parta dividible at the Occarious of their Ordering of the Tarta, which can be but very finally, will not be any Orbitudions to the Incredic and Propagation of the Blood's Vedective, Bart if it suppens that the chicaest Canfe, or the Heart, throws the Blood with a proposition of the Hoster, throws the Blood with a proposition of the Propagation of the Hoster, throws the Blood with a proposition of the Propagation of the Hoster, throws the Blood with a proposition of the Propagation of the Hoster, throws the Blood with a proposition of the Propagation of the Hoster, throws the Blood with a proposition of the Propagation of the Propagation of the Hoster, throws the Blood with a proposition of the Hoster, throws the Blood with a proposition of the Hoster through the Propagation of the Hoster throws the Blood with a proposition of the Hoster through the Hoster through the Hoster throws the Hoster through through the Hoster through the Hoster through the Hoster through the Hoster through through the Hoster through the Hoster through the Hoster through through the Hoster through throug greater Force, or that the blood can the more early be propelled in any given Time, it will occasion, at the fame time, that fome Parts of the Blood be more near-ly united, fo as to form Molecule, confifting of cohering by united, fo as to form Miceule, confifting of cohering Particles; which Miceules will cohere to one another, and not to casily obey the Direction of the Heart's pro-pelling Force. The Blood hereupon cannot be uniform-by rarefied, nor enter fo casily into the fmall Orifices of the Veffels, and fo foon trutted theo' them, and there-fore there will no Fever artie t but a Delirium without a Fever, wherein the Heat of the Blood will be greater, a Ever, wherein the Heat of the Blood will be greater, and the Prefluire in the Brain uncertain: whence uncertain Recursions of the Spirits, inordinate Undulations, confluide Vibrations of the Norvea, and a remarkable Energy of Imagination; whence will proceed Audacity and Pfilion beyond measure. Some Authors fay, that the Brain of a Cat caten, produces Monitof. "The a Differsher Norvy hard to except and its generally found to battle the

MADRIER, in the Military Art, a thick Plank armed management of the Petral when the American States and the William States with International Control of the Petral when charged, with which it is applied again a Gane, or other Body deligned to be backe down. Matter is allo the Name of a flat Beam backe down. Matter is allo the Name of a Matter Will. Bedieve think there on a Most to Epport a Wall. Bedieve which there on the Most a Doftace with Tan do covered with Earth, ferwing as a Doftace against anisitied Fire.

cial Fires.

MADRICAL, a Term in the modern Intline, Spacific MADRICAL, a Term in the modern Intline, Spacific and French Destry, fignifying a little amorous Picce, contended to the Common of the Co

The Modegard in Vanily boulced on as the flaterist of all the limit hands of Doesn, and may conside if fewer between the limit hands of Doesn, and may conside if the constraint of the limit hands of the constraint of the limit hands of the constraint of the limit hands of the limit has been considered that the limit has been considered to the limit has been considered to the limit has been considered that the limit has been considered to the limit has been co Mittreffes.

iftrettes.
MAGAS, or MAGADE, the Name of a mufical Inmount in Use among the Antients. There were two MAGAS, or MAGADE, the Name of a mufical In-frument in Ule among the Antients. There were two kinds of Magades; the one a fitting Infrument, the In-vention whereof is aferibed by forme to Sepplog, and by others to the Lydians, and by others to Trusthess of Me-lerans. The other Magade was a kind of Flute, which a letum. The other Magast was a kind of Flote, which at the fane time yielded very high and very low Notes a the former kind was much improved by Tonsubern of Ma-letum, who is taid to have been impeached of a Crime 5 for that by increasing the Number of Chords, he spoiled and directived the antient Music.

MACAZINE on Africa in the Flore in Sential

and discredited the soluted mune.

MAGAZINE, or Arlenal, is the Place in fortified
Towns where all forts of Stores are kept, and where
Carpenters, Wheelwrights, Smiths, Etc. are employed
in making all things needfal to furnish out the Train of

Artillery.
S. MAGDALEN. There are feveral kinds of Nuns or Religious, who bear this Name; confiling generally of penitent Courteauns: fometimes also call'd Mydalaof Redigions, who beat this Name; conditing generally of Redigions, who beat this Name; conditing generally of the street is at the first Affive citabilities in 13.14, and candowed by Queen Sandas, for free as a Retract and located by Queen Sandas, for free as a Retract and located by Queen Sandas, for free as a Retract which the street is the first of the production, which the third Crigaria manage there are there in the street of the first street in the street of the street in the stre be invalid; unless they bequeathed a Portion of their Ef-

be invaine; unlets they bequeathed a cortino of their rat-fects, which was to be at leaft a fifth Part, to them. MAGI, the Title the Eaftern Nations, both antient-ly and at prefers, give to their Wife-men or Philofo-phers. The antient Mayi, according to Ariffeth and Lac-ina, were the Authors and Conferences of the Peoflays Mailofonhus; and the Philofonds principally cultivased. fine, were the Authors and Conferences of the Feynman Philosophy and the Philosophy principally cultivated among them was Thrology and Palities: they being at-ways effected as the Interpreters of all Laws both Divine and Human; on which account they were wen-Divine and ruman; on which account they were wen-derfully revered by the People. Hence Geers ob-ferres, that none were admitted to the Crown of Perfia, but fuch as were well influenced in the Dicipline of the Magi; who taught the magnetic and flowed Princes. Magi; who taught the "Membrace's and incut a since a how to govern. Plate, Apulian, Lectrust, and others, a-gree, that the Philosophy of the Magi related principally to the Worthip of the Codes; they were the Perfons who were to offer Prayers, Supplications, and Sacrifices, as if the Gods would be heard by them alone. According to Lucan, Sudas, Sc. the Theology or Worlhip of the Gods, about which the Maje were employed, was little mere than the Diabolical Art of Divination. Heard payers, strikly taken, figurines Divination. Perspary defines the Maje well, Grean Divinas September 18 in inflorm multiferents. In different between Mage-miled and maniferents. fines the Mod well, Green Drivens Operators of in Michael musilicance; a doing, that the word Mage implied as much in the Perlins Tongue. These People, fays be, Daries, the Son of Highights, among other things, had this cognesse on his Meanmont, that he was the Matter of the Mod. These Defendants, the modern May, the of the Mod. These Defendants, the modern May, the second of the Mod. These Defendants, the modern May, the second of the Mod. These Defendants, the modern May are the cell Inflations of whiching from Iring Creatures. The May of the Geode Late Hart and Market of the Mod. The May of the Geode Late Hart and Market of the May of the Geode Late Hart and Market of the Mark Men 3 they after to call the latter by the Namos of the former; thus their Fellow-Friefs they call'd Lieun, the Friefstefs Lieunglie, the Servants Greun, &c. Philo-Trickften Lieunglie, the Servants Greun, &c. Philo-Trickften Lieunglie, the May to be diligent lequirers into Naure, out of the Love they bear to Truth; a and who fetting themselves apart for thefe things, contemplate the Drives Viruse the more clearly, and initiate others in the fame Mysterics

fame Mylerica. Maje and he Mej is afriched to ZerThe Origin of enter the very Extens from Zenajelwin, he feys, was faraunt of Meg, whence Meya. Others,
inflead of making him the Author of the Perjan Philofighly make him only the Stellarer and improver thereamong the Mejs, were between 40m person the Zeali of the
Childeans, who agreed in many things with the Mej of
men both the Childeans and Perjan. Thus Plasarer
mension, that Zenajire influsted Mejs among the Caideans 1 is insinisted where of the Perjan Philomension, that Zenajire influsted Mejs among the Caideans 1 is insinisted where of the Perjan had their too.

down y in minutes whereof the Perfuse had their too.
The Learned are in great perplectly about the Origin of the Word. Plan, Scopies, Howdan, Oriels, or the Word. Plan, Scopies, Howdan, Oriels, or the Word. Plan, Scopies, Howdan, Oriels, or Perfuse to officies in Holy Things, as Draid among the Oriels, or Perfuse to officies in Holy Things, as Draid among the Good, Gymnolyphij among the Indian, and Leets example believed. Others derive it of Good to the Control of th

nation.

MICC a Science has a claim. We arrive weeker MICC a Science has a Mod for riving Ecche. The MICC arrived with it a very innocent, any landable, Meeting a being acid parely to figurily the Study of William a laber being acid parely to figurily the Study of William a laber of the study of the Study in the Study Developed the Study of the Study Developed the Medicine, and that it influented iteld into the Minds of the People under pretence of giving extraordinary Re-medies. To their him Permities it added every thing in Religion that is pompous and fipericid, and that ap-pears calculated to blind and captivate Mankind. Lat, y, it mingled judiciary Affricacy with the reft 5 per-funding People, curious of Futurity, that it has every thing to come in the Heavens.

Agrippa divides Magic into three kinds; Natural Magic, Celeftial Magic, and Ceremonial or Superflition Magic. Na-

Culcified Magic, and Gerominal in Specifician Magic. Natural Magic is no more than the Application of instant active Caufes to patitive Caufes; by means whereof many furpilating, but yet matural, Effects are produced.

Culcified Magic bonders very nearly on Judiciary Attraction, and the companion over the Planets and of Rule of Deminion over the Planets and to the Planets a Dominion over Men and the Planets and of System.

itions Marie confifts in the Invocation of Devils a Superjuliasa Magic conflits in the Invocation of Devils 2 is its Effects are usually evil and wicked 2 the 'rey frange, and 'unpuffing the Powers of Nature 3 produced, by witure of fome Compact, either ractive expects, with evil Spirits but the truth is, these have not all the Power that is usually imagined, nor do they produce half those Effects ordinarily skeribed to them.

Baptifta Porta has written of natural Magic, or of Secreta

MA G for performing very currondinary things by natural Casfea. The natural Major of the Calibraton was nothing but the
fea. The natural Major of the Calibraton was nothing but the
Major, which they culted trimples and olinearis. The
Major, which they culted trimples of the Carennaics, to be obterved in the
the Rossledge of the Carennaics, to be obterved in the
two of the first Cooks, in noder to be acceptable. By viasure of the first Cooks, in order to be acceptable, and
published as Appearing for all the Great Men Injected of
published as Appearing, and care Differior. Notable has
published as Appearing, and care Differior. Notable has
published as Appearing, and care Differior.
Compact with the Devil, to invoke him, and to ifacced
in what they undersite, are Diseased, infigure that the control of the Cooks of the Cooks of the Cooks
when the Cooks of the Cooks of the Cooks of the Cooks
when the Cooks of the Cooks of the Cooks of the Cooks
when the Cooks of the Cooks of the Cooks of the Cooks
of the Cooks of the Cooks of the Cooks of the Cooks
of the Cooks of the Cooks of the Cooks of the Cooks
of the Cooks of the Cooks of the Cooks of the Cooks
of the Cooks of the Cooks of the Cooks of the Cooks
of the Cooks of the Cooks of the Cooks of the Cooks
of the Cooks of the Cooks of the Cooks of the Cooks
of the Cooks of the Cooks of the Cooks of the Cooks
of the Cooks of t

as picanare.

Confirstine of the Magic Lamborn. A BCD (Tab. Opticks, Fg. 10.) is a common Tin Lamborn, to which is added a Tube to draw our, FG. In H is fixed a metallic
concave Speculum of a Foot diameter at most, or four
Inches at least; or, in lieu thereof, near the Extremily

The Company of the Company of the Company

The Company of the Company of the Company of the Company

The Company of the Company of the Company of the Company

The Company of t Inches at least; oet, in lieu thereot, near me rextremity of the Tube is placed a convex Least, confifting of a Segment of a small Sphere, its Diameter not exceeding a few lackes. In the Poeus of the concave Specalium, or Leas, is placed a Lump L; within the Tube, where it is foldered not the Side of the Lamthorn; is placed a small Lean, convex on both Sides, boing a Portion of a small Lean, convex on both Sides, boing a Portion of a small cont, convex on both Sides, boing a Portion of a small control of the Sides of the Lamthorn, is placed a small control of the Sides of the Lamthorn, is placed as the Sides of the Lamthorn, in the Sides of the Si Lon, course of the Dilinace of than Gista 5 and in thefe Circles are painted any Figure or Images at pleasure, with transparent Water Colours. Thefe Images fixed into the Frame, and placed invertedly, as a little distance from the Focus of the Leas 15 will be projected on an opposite white Wall of a dark Room, produjoully magnified in all their Colours, and so cred Struation.

Rooms, prodigiously magained in air troot voorus, some Theory of the Shipi Cambern. The Lamp being pixed in the Flows of the centure Speculum, or any Genrue via the Control of the Contro

than to the Diffunce of the Focas, the diverging Rays will be propagated as if they proceeded from Y: wherefore if the Lens K be fo placed, as that Y is very near in Focas, the Image will be exhibited on the Wall exceedingly magnified.

Schol. 1. To beighten the Light, Specula are preferred to Lens's ; the Focus of a Speculum being nearer than that of the Lens.

that of the Lens. I to be two, four, or five Digits, and in a fubduple Proportion to the other K 3 i. c. if I be five Digits, K must be 10'; and the Diameter of the Speculum, according to the fame, is no be two Digits. Zabaiust chules to have the Diameter of I 12 of a Foot, and that of K one Foot and

3. Little Animals being included in the Magie Lanthorn, in the manner observed in speaking of the Microscope; or any little transparent Objects fattened to a Slice of Talk or Glafs, and substituted instead of Images; the Morie Lamborn will become a Microscope.

Mayie Lambew will become a Niterofoope.

MAGIG SQUIARES, the foreral Numbers that compofe any figure Number; (for Inflance, 1, 4, 3, 4, 5, 5 to 12); inflaffer, which compofe the figure Number 5 to 12); inflaffer, which compofe the figure Number 2 to 12 cells, each in in Cell; if then you change the Order of the Fundames, and differ them in the Cells, in fach musser, as that the five Numbers, which fill any Herisonal Rank of Cells, being added together, fall make the fine Sum, with the few Numbers, in any covern the Sum, Numbers with the five in each of the twoeven the fame Number with the five in each of the two Diagonal

Gggggg

Diagonal Ranks, this Difposition of Numbers is called a Magie Space, in opposition to the former Disposition, which is called a Mineral Square. See the Figures ad-

| Natural Square.   | Magie Square,   | One would ima-<br>gine that Magic  |
|---|---|--|
| 1 2 3 4 5<br>6 7 8 9 10<br>11 12 13 14 15<br>16 17 18 19 20<br>21 22 23 24 25 | 16 14 8 225<br>5 22 20 11 9<br>15 16 4 23 17<br>24 (8 13 10 )<br>7 5 11 19 13 | Speares had that<br>Name given them,<br>in regard this Pro-<br>perty of all their<br>Ranks, which, ta-<br>ken any way, make<br>always the fame |
|   |   | Sum, appeared ex-  |

sum, appeared a sum, appeared age, when Mathematics patied for Muje: But there is a great add of Reafon to infeet, that these Superamental age, when Mathematics patied for Muje: But there is a great dark in Name fill! further by the lipserfitious Operations they were imployed in, as the ContinuChoo of Talifmant, &c. for according to the childiff. Philotophy of their Day, which attributed Viruses to Numbers, what Viruse might not be expected from Numbers fo wonderful?

net be expected from Numbers to wooderful! However, what was at first the vain Practice of Makers of Talifmans, and Coojurers, has fince become the Subject of a ferious Referent among the Mathematicians; not that they imagine it will lead them to any thing of fold the or Advantage. Majer Suprace favour too much of their Original to be of any Ufs. But only as "the kind of Plate whose the Different Parameters." 'tis a kind of Play, where the Difficulty makes the Me-rit; and as it may chance to produce fome new Views of Numbers which Mathematicians will not lofe the Occa-

Eman. Msfebopules, a Greek Author of no great Anti-quity, is the first that appears to have spoke of Magic gury, is the first that appears to have Ipoke of Mayie Squarer; and by the Age wherein he lived, there is Rea-fon to imagine he did not look on them merely as a Mathematician. However, he has left us form Rules for their Confirmction. In the Treatife of Cor. Agrippa, fo much accufed of Mayie, we find the Squares of Ie-ven Numbers, vise from three to nine including. ven Numbers, viss. from three to nine isolative, dif-poid ampically 3 and it must not be insperied that those forces Numbers were preferred to all this observable was Squares, according to the Syllem of Artypes and his Fol-lowers, are planetary. The Square of 5, for labace, below, and the syllem of the Syllem of the Syllem of the Syllem of the Artypes of the Syllem of the Syllem of the the Syllem of the Syllem or the Syllem of the Syllem of the Syllem of the expansion of the Syllem of flance 25, 49, &c. but could not make any thing of those whose Root is even.

After him came Mr. Freniele, who took the fame Subjest in hand. A great Algebraith was of opinion, that whereas the fixteen Numbers, which compole the Square, get in hand. A great rajectinit was of opinion, that we were also difficed as an extra side of the control of t of the large one were not incincian to make the large Sam, excepting when taken earlier with all the 7 Num-bers that fill their fewer Cells; fo that being mutilated each of two Cells, and laving lost two of their Num-bers, it may be well expected that their Remainders will not any longer make the whether Remainders will not any longer make the when the Nr. Fix-nicle would not be fattisfied united when the renees or Bertler of the Magic Square was taken away and renees or Bertler of the Magic Square was taken away and even any Circumference at pleasure, or in fine several Circumferences at once, the remaining Square were fill Carcumferences at oose, the remaining Square were fill Mapie: which laft Condition, on doubt, made thefe Squares waftly more magical than ever. Again, he inverted that Condition, and required that any Circumference taken at pleasure, or even several Cir-

cumferences flouid be inferparble from the Square s that is, it flouid tends to be bloge when they were re-tended to the state of the Demonitation of his Michols, and frequently from so have no other Galdo be this genging. "It mee, his have no other Galdo be this genging." It mee, his all after his Death, sic. in legiclf, nor dail in appear till after his Death, sic. in legiclf, nor dail in appear till after his Death, sic. in legiclf, by billion 1 1755, M.P. Pagasard, Canoo of Trigifle, publifled 2 Treatile of Soldens Magic Symers. Belsor, him there had been on Megic Symers and be that for Section's of man that been on Megic Symers made but for Section's of man

tural Numbers that formed a Square; but M. Paigtural Numbers that formed a Square; but Nt. 1896, mard made two very condicatable Improvements: (i.) In-flead of taking all the Numbers that fill a Square, for loftlates, the 55 facetiffer. Numbers, which would fill all the Cells of a natural Square, which Side is 6, be only takes as many facetaire Numbers as there are Utits in the Side of the Square, which in this Cafe sur 63 and their fine X Numbers alone be differed in Sech manner, in the 36 Cells, that none of them are repeated twice in the fame Rank, whether it be horizontal, vertical, or diagonal : whence it follows, that all the Ranks, tical, or diagonal: whence is follows, that all the Ranks, taken all the Ways puffills, mutil always make the fame Sum, which Mr. Poismord calls repeated Progression. (c.) Infract of being confined to take thefe Numbers according to the Series and Succession of the material Numbers, this is in a district of the progression of the paratral Numbers. Numbers, that is, in an Arithmetical Progression, he takes them likewise in a Geometrical Progression, and even an Harmonical Progression. But with these two last Progressions the Magie must necessarily be different last Progrethous the Magie mult necediarily be different from what it was In the Squares, filled with Nimbers in Geometrical Progretfine, it conflits in this, that the Production of all the Rauks are equal, and in the Har-monical Progretfine, the Numbers of all the Ranks con-tinually fallow that Progretfines repeated.

cach of hefse three Progressions repeated.
This Book of M. Poggard gape occision to M. de la
Bire to turn his Thoughis the fame way, which he did
with pool Secreti, indimetch that he forms to have wellwith pool Secreti, indimetch chart he forms to have wellconfiders usered, Sparce; all his Proceedings on the Subject having found the Construction of cero ones by much
the most difficult 5 for which Reason M. de la librereferres those for the last. The Excels of Difficulty was
the most difficult to the Subtion of the Sub
tion of the Number of Terms be uneven, that in the middle has fome Properties, which may be of Service ; for inflance, being multiplied by the Number of Terms in the Pro-grettion, the Product is equal to the Sum of all the

M. de la Hire proposes a general Method for uneven Squares, which has some Similitude with the Theory of compound Motions, so useful and fertile in Mechanics. As compound Morcos, so useful and terrile in Mechanics. As that confisis in decompounding Motions, and refolving them into others more simple, fo does N. & la Have's Method confisi in resolving the Square, that is no constructed, into two simple and primitive Squares. It would be consequed, into two simple and primitive Squares. It

controlled, into two fimple and primiter Squares. It must be covered, nowever, the set quite for early conceive their two fimple and primiter Squares in the commence that the promiter Squares in the commence of the set o

the other, c.7. 14.21. 28. 19. 42.

the other, c. 7, 14, s. 1, 28, 3, 5, 43.
This done, with the first Progression repeated, he fills
the Squate of the Root 7 magically. In order to this,
the Squate of the first leven Cells of the first Herizontal
Rank the foven Numbers proposed, in what Order he
please, for that is absolutely indifferent; and this proper to otherwe here, that those seven Numbers may be jer to obferee here, hut thole feven Numbers may be ranged in 1942 delirect Manners in the fame Rank. The Order is which they are placed in the fall Horizon-thelia of the state of the state of the control of the their Order is all the reft. For a which the control fourth, the fifth, or the farth Number of the first fourth, the fifth, or the farth Number of the first Rank, and after that whires the fix cohers in the Order as they follow. For the hirld Heri-romal Rank, we deliver who fame Method with regard to the first Rank and for of the reft. For finitese, fameous to the first Rank of the order to the reft. to the first, and so of the rest. For instance, suppose the first Horizontal Rank filled with the seven Numbers in their natural Order, 1. 2. 3. 4. 5. 6. 7. the ferond Horizontal Rank may either commence with 3, with 4, with 5, or with 6; but in this Inflance it commence

with 3, the third Rank therefore must commence with 5, the forth with 7, the fifth with 3, the fixth with 4, and the feventh with 6. The Commencement of the Ranks which follow the first be-ing thus determined, the other Numbers, as we have already Numbers, as we have already observed, must be written down in the Order wherein they stand

[6] 1-11-11-11 in the Order wherein they find in the fifth, poon on to 5, 6 and in the fifth, poon on to 5, 6 and in the fifth, poon on to 5, 6 and in the fifth, poon on to 5, 6 and in the first Rank before the first Rank has been dear the first Rank has have so dear the first Rank has been dear the fi

| 2 3 4 5 6 | 197 | 7 2 | 3 4 3 | 3 0 | 6   |
|-----------|-----|-----|-------|-----|-----|
| 3 4 5 6 7 | 1 2 | 6 7 | 1 2   | 3 4 | 5   |
| 5 6 7 1 2 | 3 4 | 4 5 | 6 7   | 1 2 | 3   |
| 7 1 2 3 4 | 3 6 | 3 4 | 5 6   | 6 7 | 1 1 |

The Order of the Numbers in the first Rank being determined. If in beginning with the focused Rank, the great of the Property of the Property

al, were the middle Term of the Progression.
This not however at all necessary to take the Terms in an Arithmetical Progression; for, according to this Method, one may construct a Mayie Square of any Numberlood, one may construct a Mayie Square of any Numberlood. Method, one may confirm a \*Mogic Space\* of say Numbers at plessing, whether they be a coording to any creation to open and plessing, whether they be according to any creation frozensing to the say of the say o

in, it must have vastly more.

To begin the fecond Rank with any other Number To begin the fecond Rank with any other Number befides the fecond and the lath, mult not however be looked on as an univerfal Rule. It holds good for the Square of 9, but if the Square of 9, for inflance, were to be confirwfed, and the fourth Figure of the first Universal Square of 1, the fall of the feet Horizontal Rank were pitched on for the first of the se-cond, the Consequence would be, that the fifth and eighth Horizontal Ranks would likewise commence with eighth Horizontal Ranks would likewife commence with the farme Number, which would therefore be repeated three times in the fame vertical Rank, and occasion other Repetitions in all the reft. The general Rule therefore must be conceived thus: Let the Number in therefore mult be conceived thus: Let the Number in the first Rank pitched on, for the Commencement of the feecond, have fuch an Exponent of its Quota, that is, let the Order of its Place be face, as that if an Unit be taken from it, the Remainder will not be any just Quota. Part of the Roct of the Square; that is, cannot divide it equally. If, for Example, in the Square of t, the chart of the Rock of the Square of the conthird Number of the first Horszontal Rank be pitched on for the first of the fecond, fact Construction will be just; because the Exponent of the Place of that Number, so: 3, subtracting s, that is, cannot divide 7. Thus also might the fourth Number of the same first Rank be chosen, because 4 = 1, vis. 3, cannot divide 7, and for the same Reason the fifth or sath Number might be taken : But in the Square of 9, the fourth Number of

the first Rank must not be taken, because 4 — 1, viz. 5, does divide y. The Reason of this Rule will appear very evidently, by considering in what meaners the Resums of the fame Nambers do or do not happen, taking them always in the fame manner in any given Series. And hence it follows, that the fewer Divitions the Root of any Square to be confiracted has, the more dif-ferent Manners of confiracting it there are, and that the prime Numbers, that is, those which have no Divisions, as 5, 7, 11, 13, 25s, are those whose Squares will admit of the melt Variations in proportion to their Quantities. The Squares confiracted, according to this Method,

The Squares confuseled, according to this Mechod, have fome particular Property not required in the Fro-blem: For the Numbers that compole any Rank garden Color, with the Numbers that composit to Using Good, to the Number that composit to Using Good, to which they are parallel. And as any Rank parallel to an Diagonal untle necessity by the Interta, and have favor Cells than the Diagonal (rield, by adding to it the corresponding Parallel which has the Number of Cells, the other falls floor of the Diagonal; the Number of the Cells of

placed, as it were, end to end, frill follow the fame Order First Primitive. 1 2 3 4 5 6 7 1 2 3 4 5 6 7 1 2 3 4 5 6 7 1 2 3 4 5 6 7 1 2 3 4 5 6 7 1 2 3 3 4 5 6 7 1 2 3 3 4 5 6 7 1 3 3 4 5 7 1 3 with those of the Diagonal; bewith those of the Diagonal's to-fides that, their Sums are likewife equal; fo that they are magical on another account. Inflead of the Squares, which we have hitherto form'd by Horizontal Ranks, one might also form them by Vertical Ones; the Case is the same in both.

All we have hitherto faid re-gards only the first Primitive Square, whose Numbers, in the c 7 144 258 873 42 2 7 144 21 28 35 42 0 7 144 21 28 35 42 0 7 144 21 28 35 42 0 7 144 21 28 35 42 0 7 144 21 28 35 42 0 2 2 8 35 42 0 7 144 21 28 35 42 0 2 2 8 35 42 0 7 144 21 28 proposed Example, were 1. 2. 3. 4. 5. 6. 7; there itill remains the second Primitive, whose Numbers are 0.7. 14.21. 28. 35. 42. M. de la Hire proceeds in the fame manner here as in the former; and this may likewife be conftructed in 20160 diffe-rent Manners, as containing the fame Number of Terms with

fame Namber of Terme with the first. In Confirmation being made, and of configuration being made, and of configuration being the fame Suns, 'the reid-dent, that if we bring the win tone, by adding to make the Nambers of the two corresponding Cells of the two Squares, that, in the row Nambers of the serior cash, the row Nambers of the reformation of the serior cash, the row Nambers of the reformation of the serior cash, the row Nambers of the reformation of the serior cash, the row Nambers of the reformation of the serior cash, the row Nambers of the serior cash, the row Nambers of the serior cash, the serior cash of the serior cash fermed by the Addition of equal Sums to equal Sums until of pectify be equal among themsilves. All this remains in doubt is, whether or no, by the Addition that the equal to the equal to

to observe an Order with regard to the first, different from what was observed in the Construction of the first

Runk of the first Rank, and the fecond Rank of the first Square begun with the third Term of the first Rank, and the fecond Rank of the econd Square commence with the ourth of the first Rank, as in the Example it actually does; each Number of the first Square may be combined once, and only once, by combined once, and only once, by Addition with all the Numbers of the

1 9 17 29 33 42 49 24 32 40 48 7 8 16 47 6 44 5 23 31 39 2122313846 5 13

Addition with all the Numbersor the forcing and a second and as the Numbers of Lights's "private and thole of the fixed of 744-11.8, \$3,44 by combining them in this manner, we have at all thole of the fixed of 744-11.8, \$3,44 by combining them in this manner, we have all the Numbers in the Frogerition from 10 ags, whitest having any of the Theoretical Confined them the Theoretical Confined to the Private Square in a different manner, does not at all binder but that each with all the series Confined to the others of configuration of the others of configuration of the others are configurated by the Confined Confined to the others of configuration of the Private Square, which was the work of the Private Square, which here confident may be made of the Perfell Square, which here confills of

the 49 first Numbers of the Natural Progression. But as we have already observed, that a Primitive Square of 7 Numbers repeated may have above 20160 several Con-structions, the Number 406423600 mult come vastly short of expressing all the possible Constructions of a perfect Marie Square of the 49 first Numbers.

As to the Even Sparres, he conftracts them like the Uncorn ones, by two Primitive Sonares; but the Confiruction of Primitives is different in the general, and m truction of Primaries is directly in the general, and may be so a great number of ways; and those general Diffe-rences admit of a great number of particular Variations, which give as many different Constructions for the same even Square. It fearer feems possible to determine early, either how many general Differences there may between the Conftruction of the primitive Squares of an even Square and an uneven one; nor how many particular Variations each general Difference may admit of; and of confequence we are fill far from being able to determine the Number of different Confiructions of all those that

the Number of different Contractions of 211 those that may be made by the Primitive Squares.

MAGISTER, Majter, a Title frequently found in old Writings. It neved, the Person who boer is had attained fome Degree of Eminency in Scientia alique projection Lineraria; and in old Times those we now call Destors, were

called Marift MAGISTERY, a Term in Chymidity fignifying a Pre-cipitate of fome Diffolution; made by a Salt, or fome other Body, which breaks the Force of the Diffolvent. Thus we fay, Mapifery of Esjmath, which is a very fine Powder made by diffolying the Bifmuth in Spirit of Nitre, and pouring on it Salt Water, which precipitates the Magiflery to the bottom. See Bilmath. Magiftery of Lead is a fine Powder, made by diffolving Saccharam Saturni in diffill'd Vinegar, made by diffelving Seebram Statem in diffill? Vinega, and then precipinanj is win Oil of Turus per Delipsum. The word Magnifery is a fin of ed in I peaking of Refin, Recommende by diffill being the Matter in Spirit of Wine, and precipitating it with Water. Mr. Beyle takes the proper Notice of a Maglifery to confift in a Preparation of a Body, whereby it is wholly, or at leaft in great measure, by means of forme excitations Additionant converted him is a means of the excitations Additionant converted him is Body of a different kind; as when Iron or Copper is turned into Chrystals of Mars and Venus.

MAGMA, among Chymitts, &c. the Dregs or Refi-mm after Infusion or Distillation. MAGNA ARTERIA, the fame with the dorte, which

MAGNA CHARTA, the Great Charter, granted the rinth Year of Henry the Third, and confirmed by Edward the First. The Reason why it is for term'd, is either cause of the Execulency of the Laws and Liberties therein contained, or elfe because there was another Chare call'd Charta de Forefia, citablish'd with it, which was the lefs of the two; or because it contained more than any other Charters; or more than that of K. Henry the First; or in regard of the Wars and Troubles in the obtaining of it; or of the great and remarkable Solemnity in the deit; or of the great and remarkance outermity in the de-nouncing Excommunications against the Infringers of it. Halmfed indeed tells us, that King John, to appeale the Barona, yielded to Laws or Articles of Government much like to this great Charter; but we have now no antienter Law written than this; which was thought to be so bene-Law written than this; which was thought to be to beneficial to the Subject, and a Law of fo great Equity, in comparison of those which were formerly in ule, that King Henry, for the granting it, had the fifteenth Penay for all the moveable Goods, both of Temperating and of all the moveable Goods, but he are the controlled. Spirituality. Sir Edw. Cake fays, it has been above thirty singer confirmed. It is recorded, that when Henry III. confirm'd it, he fwore on the word and Faith of a King,

consume at, ne twore on the word and path of a King, a Chriftian, and a Knight, to observe it. See Charta Magna.

MAGNES ARSENICAL, in Chymiftry, a Mixtare of equal Parts of Arfenic, Sulphur, and Antimony melted together over the Fire, and condended in manner of a condended to the condended in the condended to the condended in the condended in

sogether over the Fire, and condensed in manner of a Stone. It is a very gent Caulit, and was fall invended by descella side. It has it Name Mayore, because being work during Maintenant Interficient by a Mayore, and the Maintenant Interficient by a Magnetical Power. MAGNET, or Loadjien, a Mineral Stone, or rather a Macal, or an imperied Irun is in Weight and Ologo-refembling Iron Ore, the Onewhat harder and more heavy. It is utally found in Iron Mayor, and Irone-in very large pieces, half Mayor, half Iron. It Colour is different, according so their even that the best are their inferences according so their even, that the best are their brought from. Norman observes, that the best are those prought from. Nowman observes, that the best are these brought from China and Eergal, which are of an Iron or Sanguine Colour; these of Arabis are reddish, those of Macademia blackish; and those of Hungary, Cermany, England, Sec. the Colour of unwrought Iron. Neither its Figure nor Bulk are determined, but it is sound of all Forms and Sizes.

The Antients reckon'd five kinds of Magnets, different in Colour and Virtue: the Ethiopic, Magnefian, Bestie,

exandrian, and Natolian. They also took it to be Male and Female: but the chief Use they made of it was in Medicine; especially for the Cure of Burns, and Defluxions on the Eyes: the Moderns, more happy, take it

numers on the Eyes; the moderns, more happy, take it to conduct 'em in their Voyages.

The most diffinguiffing Properties of this wonderful Body, are, That it attracts Iron, and that it points to the Poles of the World; and in other Circumstances also dips or inclines to a Point beneath the Horizon, directly und the Pole; and that it communicates these Properties by Touch, to Iron. On which Foundation are built the Mariners Needles 5 both Horizontal, and Inclinatory, or Dipping Needles. See Needle.

Dipping Needles. See Needle.

The Armster Power of the Magnet was known to the Antients, and is mention'd even by Plate and Europides; who call it the Herselan Store; because it commands from, which fubduse every thing effer But the Kowledge of its Directive Power, wheelby it difforfers its Poles along the Command of th is Directive Power, whereby is difficiles in Folks along, the Meridian of every Plate, and continual Needler, Freez of Iron, \$60\$, roaded within to point nearly North for the Power of the Difference in the dark. The first utiling we becar of it, joint 20.60, when Paula Venturie is faile by Jome to have first introduced the Mariners Compass, is tho not as an Invention of his own, but addered from the Chingle, who are said in that when the power of the Power to the first of the section of the section of the point of the section of the sec

difcoret d by another of our Countrymen, Mr.R. Norman, about the Year 137%. See Needle.

Some of the Ethenments of the Magnet are at faire.

Some of the Ethenments of the Magnet are at faire to the Country of the Cou Magnets are Spherical, one will turn or conform itself to the other, to az either of them would do to the Earth ; and after they have to conformed or turned them-felves, they endeavour to approach or join each other; but if placed in a contrary Position, they avoid each other. (5.) If a Magner be cut thro the Axis, the Parts either. (3) If a Magnet be cut thro the Axis, the Farts or Segments of the Stone, which before were joined, or Segments of the Stone, which before were joined, with the second part of the Axis, the two Boints, which before were coopined, will become contary Poles one in one, the other in the other Segment. (7) If you can be seen, the other in the other Segment. (7) If you have joined the second contary Poles one in one, the other in the other Segment. (7) If you have been seen that the second contains it s and the Iron receiver this Virue variously, exceeding to the Parts of the Source it is made to touch, or made appreach to. (8.) If an oblong Piece of Iron be any how discovered to the property of the Iron received the Iron communicate to the Iron very feedly sight the thought the Iron touchest or joins the Stone, the longer twill his communicate more of it, and forcer, than one not for good, manufacture more of it, and forcer, than one not for good and the Iron Iron Carlo Iron. (11.) A Needle touch'd by a Magner will turn its Ends the fame way towards the Poles of the World, as the Magner will do it. (12.) Neither Loadstone nor Reedles touch'd by it do conform their Poles exactly to those of the World, but have usually some Variation from them: And this Variation is different in divers plafrom them: And this Variation is different in divers places, and at divers times in the fame place. (15.) A Loadthon will take up much more from when arm'd or expp'd than it can almot: And the an Item Ring or Key be faifpended by the Loadtione, yet the Magnetical Particles do not hinder that Ring or Key from turning round any way, either to the right or left. (14.) The Force of a Loadtilone may be variously interested or

lefien'd, by the various Application of Iron, or another Loadthone to it. (15.) A fitting Magner at the left diffance from a leffer or a weaker, cannot draw to it a piece of Iron adhering actually to fach leffer or weaker Stone; but if it come to much it. it and it is a stone of the stone o piece of Iron salhering achtally to fisch leffer or weaker Stones hat fit once to outher, it, can draw it from the other; But a weaker Magner, or even a lintle piece of Iron, can draw sawy or feparate a piece of Iron contiguous can draw sawy or feparate a piece of Iron contiguous Northers Parts of the World, the Stone Magner, and the Northers Parts of the World, the Stone Magner, and the Iron will ratio upon more Iron than the North Poles, (1-7) A Plate of Iron only, but no other Body inter-poled, can impede the Operation of the Londitions, other project, can impede the Operation of the Iron distribution of it true in Californ of Drechter Quality. At Popi found it true in Californ of Drechter Quality, at Popi found it true in Californ of the Californ of the Iron of the Iron of the Body, as interviewing as most tare, yo say Ellieria. it true in Glaffer feeled hermerically 3 and Glats 18 alony, as impervious as most ace, to any Elliwis. (18) The Fower or Viruse of a Loadinee may be imported by the Fower or Viruse of a Loadinee may be imported by the Route of the Cook of the Co Noul, Net. Ec. and may be quite defined? by Fire, Noul, Net. Ec. and may be quite defined? by Fire, he was a strain of the process of the pro

nearly creek, have gain'd this Magnetical Property, (50.) Mr. Beyle found, that by heating a piece of English Oker red hot, and placing it to cool in a proper politic; it manifelly acquired a Magnetic Virue. And an excel-lent Magnet of the fame Ingeoious Gentleman's having lain near a Vers in a hingraviller politic head in Nile. Öker net hos, and placing ir en coed in a proper positive, in manifelth yearing of Magnetic Viruse. And an excell in manifelth yearing of Magnetic Viruse. And an excell in manifelth yearing of the properties of Condemnal Maring Lin near a Year in an inconvention Gendemnal Maring Lin near a Year in an inconvention of Condemnal Maring Lin near a Year in an inconvention of Condemnal Maring Lin near the Condemnal Maring Lin ne

than arread them; still suffering them to lie along or stand perpendicular to its Surface and Edges in all places; with-out any such special Direction.

perpendicular on the states and degree and Il places withIl. Neither the fronged nor the large Il Leadinons give
a better directive Touch to Needle, than those of a lefe
a better directive Touch to Needle, than those of a lefe
there are two Qualities in all lowers, an Attractive and
a Directive one; a seither of ven degreed on, or are say
Ill. The Attractive Power of Leadiness and of Iron,
will greatly incred or diminish the Weight of Needles
(dathin other additional) Weights comes the Weight, and
Power has much finaller effect. Gaffender indeed, as well
as helpforwar and the Cutter, missional is has most at falls
(dathin other additional) Weights comes in the smooth of the
Power has much finaller effect. Gaffender indeed, as well
as helpforwar and the Cutter, missional is has most at falls
(Trials on large Needles, that sfore the Touch they
weight left than before. One of 4,84,5 Grains Ind 12,
17. Tip probable that Iron confider

17. Tip probable that Iron confider almond whelly of
the Cutter of the Cutter of the Cutter of the
tractive and Directive together; mixed probably with other
tractive and Directive together; mixed probably with other
thereporecome Marter; as having never been pungled by the chare

tractive and Directive together; sinks of probabily with other heterogeneous Matter; as having never been jurged by the Fire, which Iron bas: And hence may artie the reason why Iron, after it has been touch'd, will lift up much greater Weights than the Loadfinon that touch'd it.

V. The Quantity and Direction of Magnetic Powers,

"V. The Quantity and Direction of Magnote. Powers, communicated to Needles, in stor properly, after fash received to the Needles, the story of the Needles, the N

he takes occasion to observe, that the directive Power of the Loadstone seems to be muchanical; and to be derived from magnetic Efflavia, circulating continually

VI. The absolute attractive Power of different armed Loaditones, is, cateris pariles, according to the Quantity, not of their Diameters or Solidities, but of the Surfaces of the Loaditones 3 or in a Duplicate Proportion of their

Dameters.

VII. The Power of good Magness unarmed, not fenfi-bly different in Strength, fimilar in Figure and Polition, but unequal in Magnitude, is fornetimes a little greater, fornetimes a little lefs than in the Proportion of their

milar Diameters VIII. The Loadstone attracts Needles that have been touched, and others that have not been touched with

Fouched, and others that have not been touched with cqual Force, a Diffance unergual, vie. where the Diffance under comparing the property of flanding.

X. The attractive Power of Loadstones, in their fi-

milar Pofition to, but different Diffunces from Magnetic Needles, is in the Sefquiduplicate Proportion of the Di-flunces of their Surfaces from those Needles reciprocally 5 or as the mean Proportionals between the Squares and the Cubes of those Diffunces reciprocally; or as the Square Roots of the fifth Powers of those Distances reciprocally. Roots of the first rowers of trote officances recipeocally. Thus the Magnetic Power of Attraction, at twice the Diffance from the Surface of the Loadtlone, is between a fifth and fixth Part of that Power at the first Diffance. At thrice the Diffance the Power is between the 15th and 15th Part, at four times the Diffance the Power, is come to good the part of the P and not by the state of the sta to which Chords (as he has demonstrated) it is ever pro-portional. The Numbers in forms of their most accurate Trials he gives us in the following Table, festing down half the Chords, or the Sines of half those Arches of Declination, as the true Measures of the Power of Magnetifm.

| Distance in                            | Degrees of  | Since of ‡                               | Rat. Sefqui- |
|--|---|--|--------------|
| Inches                                 | Inclination.  |  | dupl.        |
| 14 3<br>13 3<br>12 5<br>11 10 4<br>9 5 | 2 4 5 6 8 10 10 11 12 12 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15 | 349<br>523<br>697<br>871<br>1045<br>1219 | 466<br>      |

XI. An Inclinatory, or Dipping-Needle, of fix Inches Radius, and of a Primatic or Cylindric Figure, whon it of Cillatea along the Magnetic Meridian, performs, here, every mean Vibration in about 6" or 36c "3"; and every final! Okillation in about 5" 2, or 350 "3; and the fame kind of Needle, four Foot long, makes every mean Ofcillation in about 24 ", and every finall one in about

XII. The entire Power of Magnetism in this Country, as it affects Needles a Foot leng, is to that of Gravity nearly as x to 300; and as it affects Needles four Foot

long, as 1 10600.

XIII. The Quantity of Magnetic Power accelerating the fame Dipping-Needle, as it ofcillates in different vertical Planes, is ever as the Co-fines of the Angles made by those Planes, and the Magnetic Meridian taken on the

Horizon.

Cerol. Thus if we would cflimate the Quantity of Forces in the horizontal and vertical Situations of Needles at Lenders we fault find that the latter, in Needles a foot long, is, to the entire Force along the Magnetic Meridian, as 96 to 100; and in Needles four Foot long, as 9667 to 10001; when the meridian is not the force of the Needles four Foot long. as 9667 to 10001; when the force in Needles for Foot long. dles a Foot long, is as 28 to 100 ; and in those four Foot

long, as 160 to 10000. Whence it follows, that the form the purpose of the property of the pro

Figor, because that reace is the nearest its original ten-dency, of any, its Situation will allow it to tend to: When ever the Dipping-Needle shands exactly perpendicular to the Horizon, the horizontal Needle will not respect one Point of the Compass more than another, but will wheel Four of the Compais more than apother, but will wheel about every way uncertainly.

XIV. The Times of Ofcillation and Vibration, both in dipping and horizontal Needles equally good, is as that of their Lengths directly; and the actual Velocity of their Palma Ungesting A. Palma veneral.

that of their Longthe directly 3, and the aftail Velocity of their Points along their Ares Jaways on gand, and till bet-ter the longer they are 3 and that in the finer Proportion on with their Longthin. See Noutle. XV. The Earth, on which we live, includes within it XV. The Earth, on which we live, includes within it Not the Company of the Company of the Company Date. Species Mayort, concentral thereton, with its own Policy Species Mayort, concentral thereton, with the own the first policy of the Company of the Company of the Company of the first policy of the Company of the Co

of Spherical Londinoles, in the percussion or time Americal
XVI, The Dwer of a good Turnity, or Spherical Londinoles, as it sifefus a Necolita Foot ing, is equal to the
Magnetic Fower of that internal Londinos about row and Magnetic Fower of that internal Londinos is desired to the state of the Spherical Conference of the Spherical Conf Gravity Deing arronger tana magnetism on the one Nide of it, and weaker on the other is we mean as it affects Needles of one foot Dameter. At that Limit, there-foe, at leaft near the Magnetic Poles, from, a Foot long, will be twice as heavy, and fall twice as fail as any other autoral Body, etc. by the Union of those two equal Powers, Gravity and Magnetism; and of confequence, a-bour that Limit, facts as frow will be left that rwice as both that Limit, facts as frow will be left that rwice as heavy; belowit, more than twice as heavy as any other natural Body.

XVII. The Earth's internal Loadstone is not fixed to

our upper Parts, but is moveable with respect thereto, and actually revolves on the Earth's Axis from East to and actually revolves on the Earth's Aris from Eagl to Wrift in a certain long Period of Time; as appears, be-yond Contradiction, from the conflant Variation of the bortzontal Nocelle Weithward; as well as the regular in-crease of inclination of the Dipping-Nocelle. The only way to render this Mosien, i. e. the Variation, possible and intelligible (to ofe Dr. Halley's Words) is

positive and intelligible (so sie the Arthéy's Words) at to fappose it to turn about the Center of the Globe, having its Cinter of Gravity facel and immovable in having its Cinter of Gravity facel and immovable in having its Cinter of Gravity facel and immovable in the Cinter of Gravity facel and immovable in the Cinter of Control of of Contr

extent to the internal,
XVIII. This internal Magner has one central Pole Northwards, in the nature of the Poles of our common Loadflonce; but its Southern Pole appears nor to be central, but
rather circular; and theat at a great Diffunce from the
Southern Pole of the Earth.

XIX. The Northern Magnetic Pole is now fituate about the Latitude of 76 Deg. 4, i.e. 13 Deg. 2 from the North Pole of the Earth, and about 3c Deg. Eaftward from the Meridian of London.

From the filteriora of London.

XX. The Southern Magnetic circular Pole has its Center, or central Pole, nearly in the Parallel of 60 Degrees; and in a Meridian puffing along the East Coast of Birneo, about 117 Degrees Eastward of London: its Ra-

dius is also an Arc of a great Circle of about 44 Degrees. XXI. The respective Motion of the internal Magnet or the Velocity, v.g. of its North-Pole, appears to be a7 Deg. o Min. in 144 Degrees, i. e. one Degree in five Years; fo that it makes an entire Revolution in 1920

Xears.

Hence as the Number of Degrees in the upper Earth's difference as the Number of the Person of the Revolution of the internal Magnet, i.e. as it is to proceed to the tenternal Magnet, i.e. as it is to proceed to the tenternal Magnet from East to Well to the real Motion of the upper Earth from Well would not be real Motion of the upper Earth from Well Motion from Well to East, to the conite Motion of the upper Earth the fame way. This external fixed Earth has therefore communicated almost all its Motion already has therefore communicated almost all its Motion already. has therefore communicated at most all its Motton attendy to the internal Magnet, and can communicate no more than this Difference of their Motion, and that only in an infinito Term of Years; or, in other Words, this real internal Motion can never be the 7000000 Part for/first part is at prefer at This internal Motion the other began with the Communications of the it is at profess. This increal Mosion therefore began with the Commonscense of the Calenal Mosion of the with the Commonscense of the Calenal Mosion of the with the Commonscense of the Calenal Mosion of the Communication of that Motion then'the intermediate Flad. Since theories Addison at Redfiles are could; and the control of the Calenal Redfiles are could, and control by the year. It his most have all more all most and an accelerated by the year in this most have all most and accelerated by the year. This is most as a control that year for the control that the control of the Calenal Redfiles and the Calenal Redfiles and the Calenal Redfiles and the Calenal Redfiles and the first beginning or the claim Mosion. When the Difference of their Mosion was equal to the cairs Mosion in the Calenal Redfiles and the Ca

determine, à prisri, how long ago that Rotation began, or how antient our Earth is. XXII. The Variation of Magnetic Needles from the Azimuth of the Meridians of the internal Mayner 3 is de-zived from the Difference of the Strength of the feveral Parts of the internal Magner's Surface 3 which as it is only Farts of the internal Magner's Surface; which as it is only to be known by Experience, that Variation cannot be de-termined beforehand, unless where there are good Ac-counts how much it had formerly been; it being proba-ble that it returns round, and will be the farme in any Year of the near Revolution of the internal Magner, that

Year of the next Revolution of the meternal Magner, that it has been in the like Year of any former Revolution, or will itself have a Revolution in about 1920 Yeats.

XXIII. The two fixed Magnetic Poles, in our upper Earth, fift introduced by Dr. Halley, as necessary to solve the Irregularity of the Variation of the Horizontal Nocedle from the Meridians of the moveable internal Mag. Needle from the Miredians of the moreable internal Mag-son, (nem not to have any jult Possidation in Nature; the like Irregularities being found in the common Terrella or Spherral Landshoes; and being both accouncie for the properties of the properties of the properties of the lawe Para of different Degrees of Povity, Strength, and Pericellas is for his where the Patra are weaker than e-diancy, the fitnesses of the properties of the properties, and draw the Needle hat ways now but Dr. Golder's Norther draw the Needle hat ways now but Dr. Golder's Norther of promisers and depended Patra on Magner may have feetly Variations. See Needle.

fuch Variations. See Needle.

As to the Causes of Magnetism, or the Manner in which As to the Cautes of Magnetitm, or the Manner in which thefe Phanomena of the Mayers are produced, we have yet no Hypothefis that will faitsfactorily account for them. Platards tells us, the Magnet attracts Iron, by emitting four printial Efficiency, whereby the contiguous Air being opened and driven on either Side, does again Air being opened and driven on either Side, does again drive that configures to it a and then the Adion being drive that configures to it and the the Adion being this is centralified by the equally vigorous Adion of the Loadiness it from, and in the open Air. Others of the Antients affectly the Adion of the Nageer to what Sympathy become the Effectly of the Iness and those of the Magnet. The Opinion that principally pre-sistant by Adiotectly Adio, and the Adion of the standard by Adiotectly, Robinski, Rayle, &c. and even ad-mitted of and confirmed by Mr. Bayle, &c. in this tis fapported there is continually faving, from the Polse of the Adiotectly and the Adiotectly a

the World, a fubtle, impalpable, and invisible Matter; channel'd or striated; which Matter circulating round channel'd or thriared's which Matter circulating round the Earth, in the Philaso free Merdinan, recenters at the Pale opposite so that from which is filled, and patter a Pale opposite so that from which is filled, and patter a that the Pale opposite so that from which is filled, and patter at the two Pales and freezible to their of the Earth, and that on of thefe there issue a Matter like that pith men-issued: I that this Matter, carering in a con of the Poles, given the impulse whereby loss reads so the Mayors, there is always a certain Quantity thereof circulating round the Mayors' converging a kind of Voreas about it. The Space of the Mayors, which which is attractive Facility in co-fund., As to its directive Facility on the Inclination of a fined. As to its directive Faculty, or the Inclination of a Needle touched with it to the Poles of the World, and its Dip to a Point beneath the Horizon, it follows from the fame Principle; fince were the Magner or Needle to have fame Principle; fine ower the Magnet or Needle the have any other Strustine, the Magneth Matter would fithknow it is Surface in win i, and not being able to get Admillion, it is Surface in win i, and not being able to get Admillion, it is Poses corresponded to the Count of the Magnetical Matter; which Strustine having once exquired, it would confe to move; is the Magnetical Matter when cashing to confe in move; is the Magnetical Matter than cashing to to confid in its being perfectated by an infinite Number of parallel Tores; some whereof are difficult on dentity and the structure of the Magnetical Matter from the North Folo of the World, other through the Magnetic Matter from the North Folo of the World, other the Magnetic Matter from the North Folo of the World, other the Magnetic Matter from the North Folo of the World, other the Magnetic Matter from the North Folo of the World, other the Magnetic Matter from the North Folo of the World other through the Magnetic Matter from the North Folo of the World other through the Magnetic Matter from the Magnetic Matter from the North Folo of the World other through the Magnetic Matter from the North Folo of the World other through the Magnetic Matter from the North Folo of the World other through the Magnetic Matter from the North Folo of the World other through the Magnetic Matter from the North Folo of the World other through the Matter from the North Folo of the World other through the Matter from the North Folo of the World other through the Matter from the North Folo of the World other through the Matter from the North Folo of the World other through the Matter from the North Folo of the World other through the Matter from the North Folo of the World other through the Matter from the North Folo of the World other through the Matter from the North Folo of the World other through the Matter from the North Folo of the World other through the Matter from the North Folo of the World other through the Matter from the North Folo of the World other through the Matter fr

the Magnet.

At 10 the directive Power of the Magnet, Mr. Piblion,
At 10 the directive Power of the Magnet, Mr. Piblion,
At 10 the Magnetian directive Power of the Magnetian to Control think it mechanical 1 and afcribe it specified of which Circulation, be think; there are evident Indications in Circulation, be think; there are evident Indications in the Magnetian or emgencie Elliwise of the Earth 1 the those Magnetian or emgencie Elliwise of the Earth 1 the those Elliwise were never yet rendered fundble as Electric Elliwise looping to be 1, but the attractive Power Mirr Elliwise looping to be 1, but the attractive Power Mr. the Magnet tric Efflows begin to 0 c; but the arractive rower and whister thinks entirely immechanical, as the Power of Gravity is; nor being able to devife any fuch Motion of a fubric Planid belonging to the Loadstone, as will account for the attractive Power in the fefquidephicate Proportion of the Distances reciprocally; the' if he could, yet would that be no more than to remove the immediate Power of the Supreme Being one Step further; the laft Refort of all mechanical/principles whatever being into the immechanical Power had Reficiency of the Deiry.

the immentanical Fower and Efficiency of the Deiry.

M. Harijeeker maintains, that the Magnet is no more than a common Stone; full of an infinite Number of hollow Prifms, which, by the diurnal Morison of the Earth, are ranged parallel no each other, and nearly parallel to the Askoof the Earth. These Prifms have their rauet to the Axis of the Earth. These Prifins have their Cavities filled with an extremely lobel Matter; which, by the diamal Motion of the Earth, is passed from Prifin to Prifins; thus making a Circulation, and returning isto the Prifins where it fift began: From these Principles he deduces all the Phenomena of the Magner; and M. Monty Jose the Same, from the Delivers of the Principles he deduces all the Phenomena of the Magner; and M. Monty Jose the Same, from the Delivers of the Principles he deduces all the Phenomena of the Magner; and M. Monty Jose the Same, from the Delivers of the Principles he deduced . Andry does the fame, from the Doctrine of Alkali

and Acid.

There are Naguers found in most of the Provinces of China, but the principal Ufe the Ching's make of them is in Medicine. Le Chenyo describes their manner of estimate in Medicine and Chenyo describes their manner of estimate of the China and the China and China and

MAGNETICAL AMPLITUDE, an Arch of the Horizon, contained between the Sun, at his Rifing or Set-ting, and the East and West Point of the Compass: found by observing the Sun at his Rifing and Setting by

tound by obterving the Sun at his Kifing and Setting by an Amplitude Compatis. See Compliance. MAGNETICAL AZIMUTH. See Azimuth. MAGNETICAL AZIMUTH. See Azimuth. MAGNETISM, a Term utiled by fome Chymila, to fignify a certain Virtue, whereby one thing becomes affected at the lame time with another, either in the fame or a different manner. This is what they otherwise call

Sympathy.

MAGNIFY, a Term chiefly used in reference to Mi-croscopes, which are faid to magnify Objects, or to make coloopes, which are taid to magnity Objects, or to make them appear bigger than they really are 5 but, in reali-ty, Microfcopes do not, nor cannot, magnify any Object, but only flow it neater and more of its Parts than before were taken notice of. See Mirrofespe. MAGNIETING-GLASS, in Optics, a little Sphere, convex Lens, 4fe, which, in transmitting the Riys of Light, inflicits near for, in that the pertuil, care become Light, inflicits near for, in that the pertuil, care become related by means whereof, Objekts wiew'd then 'em appear larger than when view'd by the analed Eys. See Life Monty, or any thing beath has Pars exceeds to Part of the Committee o

calls fuch a one as is express'd by Numbers; a Brokes by Multiplication 5 an Incommensurable Magnitude is a Mag-

simile that has no proportion to Unity.

Among the Writers of Optics, the Apparent Magnime of a Body is that measured by the Optic or Visual Angle, intercepted between Rays drawn from its Extremes into mucrepren between Kays drawn from 88 Extremes into the Centre of the Pupil of each. And 'is one of their fundamental Maxims, whatever things are feen under the fame or equal Angles, appear equal, and on the contrary. The Appearent Magnitudes of an Object at different Diffances, are in a Ratio lefs than that of their Diffances.

reciprocily.

AdoOPHONIA, the Name of a Featl among the antient refigure. The Mague North laving utipred the Throne of the Topian upon the dark of Combyer, at Proceed the Topian upon the dark of Combyer, at Proceed the Topian upon the dark of Combyer, at Coart confipred to drive him out of it. Their Design was executed with good faceties; sowrite and his Brieflet, another Mague, called Topianetes, they killed. Upon which, the Prople all for fire, and part all the Might to the which, the Prople all for fire, and part all the Might to the hald not the Night come upon 'em. Davins, Son of Ity-flagifier, was then feeledd King, it amourer of this Mail facet of the Magi, a Featl was inflienced, by a Topianetic Magnetic M

MAHIM, or Maybin, in Law, a Corporal Hurt, where-by a Mun lofeth the Ufe of any Member, that is or may by a fund feter in the Cit of any steember, that a or may be of any defence to him in Battle 3 as the Eye, Hand, Foot, Scalp of the Head, Foot-teeth, et, as fome fay, any Finger or Toe. Glave. Baril. Ge. If any one flat lot Malice forethought cut out or difable any Limb or Member of any, with Intention in 6 doing to main nr disfigure him, it is Felony without Benefit of the Clergy 3 and when the Cafe is difficult to judge, whether it be a Mahim or not, the Judges commonly behold the Party wounded, and fometimes take the Opinion of Chirurgeons. The word comes from the French Meksigner, to mutilate. The Canonitis call it Meulri Matilatiners a and all agree, it confifts in the Lois of a Member, or the Ufe thereof.

confitts in the Lofs of a Member, or the Use thereot.

MAHOMETANISM, the System of Religion broach'd
by Makewer, and till adhered to by his Fellowers. Mabewersanjin is embraced by the Tarks, Peylaus, and feveral Nations among the Africans, and many among the
Eafl-Industry. The first and chief Article of the Mehomethere is the Company of the Co san Creed, is, that there is no other God hat God; which they have from the Alcoran, where these Words are repeated and Laction, an distance of an intervalue and took's Which theey interface of the state of the s

gian cented with the Coming of the Mofish, to likewish the Chriftian Religion was to be abrogated with the Coming of Maksowr. Not but that they own Mofes and Typic diefly to have been great Prophets, but Maksowr they hold to be The Projekt, by way of Excellence; and the Praceletes of Comfietre Flocks of its Resignate.

Thefe are the two Sundamentals of Maksowranijos 5 to that when any it om make profition of that Faith, they content themselves with highesting their words, Three is no select Gal at Gold, and Maksowrat but Every or Pracelet.

fuch an Opinion bare they of these Purifications, that its jurely on that account they seem to have retain'd the Presides of Circumstion. For they presend, with the Stant, that if the least part of the Body remain nuwassis, the Bathing is of no etick! Hence they find the insidered under a necessity of being circumstide; that the Parton of the Circumstide is the second of the con-traction of the Circumstide is the con-traction of the Circumstide in the Circumstide is the con-traction of the Circumstide in the Circumstide is the Circumstide in the Circumstide in the Circumstide is the Circumstide in the Cir ver'd by the Prepuce may also have its share of the Lo-

Prayer is also one of the Things to which the M rrayer is also one or the Things to which the leads-metan are obliged 5 and they perform is five times a day, to diffinguish themselves from the Jews, who only do it thrice. Some of their Returns of Prayer they holds to be necessary and of Drivine Obligation; others they effect convenient and predential. That at Nine a-clock is the convenient and predential. That at Nhe s-clock is the blenning they don't eitems necessity, but their at Noon blenning they don't eitem necessity, but their at Noon blenning they don't eitem the second of the second are obliged to observe an infinity of things to be heard it if they freak or funite in Praying, their Prayers new size and 'in the firme thing if they accep, unlock it be with an observed the second of the second of the second of the Prayers they do Beads. They believe with the Chefpians and Green & Refurection of the Dead. They hold, that or 'that time an deri-Mohanter oil cames y and their J. G. or 'that time an deri-Mohanter oil cames y and the I. G. will defeend from Heaven to kill him, and establish bometonifm. To which they add a great many more Chi-maras, relating to Gor and Magoz; and the Beaft that is to come out of Mecon. The Mountains are to fly in the Air like Birds, and at laft the Heavens will melt and run upon the Earth. They add however, that fome time after, God will renew and re-establish the Earth; that

alter, God will renew and re-eftablish the Earth; then then the Dash will be raide, tigs. See Johann. The then the Dash will be raided the see John the countries, particularly in contained, for the beheeding of Cartine, particularly in contained, for the beheeding of Growthians. The Michael is a broad Picco of Inna, a for-fiquency, Barp on the lower pare, and loasted above with time, it is pall dup to the top of a natrow wooden Frame ten fore high, with a Groove on each field for the Maidee to fill the the preferency beet being failent on a list of the Michael of the Michael of the Maidee underneath, on a Sign given, the Maiden is let loofe, and the Head in an inflant separated from the Body.

to flitt in. "The Prifesser's Neck being failted to a. Bar addrenath, on a Sup green, the below's to let 1004, and and an extended to the property of the prop

The Word feems composed of the two Latin words,

The Word feem comprised of the two Latin words, Morris greaters, additions, Statist Chairs, Statist Chair, Statist C

pter.
To these Articles the Mistemerans have added that of Bathing or Purification, in imitation of the Jews. And

Right which the Lord has, on the Death of the Chief of a Family Mainmorrable (f. c. fubject to this Right) of raking the bett Morestbe in the Houfe; or in default of that, they offerd him the Right Hand of the Deceafed, in token that he could ferve him no longer. This Right was not uniform; fome People were Main-morrable in all ther Effects Moveable and Herciliary; oftens in one

only.

MAINOUR, Mormer, or Meinner, in Law, fignifies the thing that a Thief rakes way or fields. Thus, to be tar-less with the Mormer, in the Takes with the Thing flotted from with the Mormer, in the Takes with the Thing flotted with the Mormer, in the Cart, in authors Times they would arraige but one of the Mormer, without array Appeller Indictinent. The twent comes from the French Mossier or Mainerer, to hold in the hand.

MAINTREE, in Law, the taking or receiving a Min Mainerer, the Mormer of the

anto friendly Cultody, that otherwise is or might be com-mitted to Prifing upon Security given for his forth-coming at a Day affigned. They who thus undertake for any, are call'd Mainperners, because they receive him into their hands; whence also comes the word Mainpernalse, deno-ting the Person who may be thus balled. See Isail.

ting the Jertim who may be thus builed. See Itali.
Manumend males a great deal of difference between Italia
and Maintprige: for he that it maintpright is already flaid to
be at large after the Day he in fer to Maintprig till the
and Italian for the Day he in fer to Maintprig till the
ister to Italian former; have the otherwise where a Man
ister to Italian former; have the otherwise where a Man
ister to Italian former; have the otherwise where
ister to Italian former; have the otherwise when
Days for there he is always accounted by the Law to be
in their Ward and Calledy for the firmine; and they may,
the other have the other the other their control of the
their whole of the other their the other their control
to the other than the other than the other than the
have one of the other than the other than the
have one of the other than the other than the
have one of the other than the other than the
have one of the other than the other than the
have one of the other than the other than the
have one of the other than the other than the
have of the other than the other than the
have one of the other than the other than the
have of the other than the other than the
have of the other than the
have his own liberty.

Mainprife is also an Undertaking in a Sum certain: Pail
answers the Condomnation in Civil Causes, and in Crimi-

nals, Body for Body.

nals, Body for Body.

The Author of the Mirror of Justice says, that Pledges are those which bail or redeem any thing but the Body of a Man, and Main-pernors those that free the Body;
Pledges therefore belong properly to real and mix-A delions, and Main-pernors to perforal. The word Mainsport of the perforal of the word Mainsport of the Princip Main, Hand, and princip solutions of the Princip Main, Hand, and princip.

maintenance, in Law, is the maintaining or up-holding a Caufe or Suit between others, either by Word, Writing, Countenance or Deed: Metaphorically nelcon from the fuccouring a young Child, that learns to go by one's hand; and used in the ceil part in forme or our Statutes. When a Man's Act in this kind is efternal Maintenance, and when not, fee Brooks and Kuchin. There lies a Writ against a Maintainer, call'd a Writ of Main-

MAJOR, in the Art of War, a Name given to feveral Officers of different Qualities and Functions. Major-General is he who receives the General's Orders,

and delivers them out to the Majors of the Brigades, with whom he concerts what Troops are to mount the Guard, what to go on Parise, what to form Detachments, or to be fent on Convoys, &c. It is his bufinefs also to view the Ground to incamp on, and he is next subordinate to the General and Lieutenant-General. See General.

Major of a longade, either of Horfe or Foot, is he who receives Orders, and the Word, from the Majors General, and gives them to the particular Majors of each Regi-

ment. See Brigade.

Major of a Regiment of Heefe, is the first Captain of the Regiment, and commands in the absence of the Mairre

de Camp.

Major of a Regiment, is an Officer, whose business it is Majur de Regiment, is an Ollicer, whose business it is, to convey all Orderts to the Regiment, to deue is ap, and exercise it is to fee in march is good Order, no look to its exercise it is a fee in march is good Order, no look to its example of the order order of the order order

There are also Aids Major, Drums-Major, and other Offi-

cers 3 fo call'd by reason of some Seniority or Prerogacers 3 to call'd by reason of tome Sensotity or Freroga-tive that they have over the reft.

MAJOR, in Law, is a Perfor who is of Age to manage this own Affair. By the Civil Law, 2 Man is not 2 Ma-jor till the Age of 25 Yests; in England he is Major at 21,

or till the age of a 3 acts 3 in amount and in Normandy at ac.

MAJOR, in Lopic, is underflood of the first Proposition of a regular Syllogistim. This call'd Mayor, because it has a more extensive Sense than the Manor Proposition, as containing the principal Term. See Syllegifm.

MAJOR and MINOR, in Music, are fpoken of the Concords which differ from each other by a Semi-tone. There are Major and Minor Thirds, &c. The Major Tone is There are Mayor and Monor I mids, e.e. The Ansys Lunen the Difference between the 5th and 4th, and the Major Semitone is the Difference between the Major 4th and the 2th Land and the Major 4th And the 2th Land and Land Major Domon, See Comma. See Comma. See Comma. Major Domon, an Italian Term, frequently nifed to

MAJOR-DONIO, an notase Term, frequently soful to figure 1 Strough; Draw was formerly given in the General Strong and Court of Prince to three different knot of Offices, 3/7, 70 the Officer who took care of what related to the Offices, 3/7, 70 the Officer who took care of what related to the Strong of the Strong Pro-first heigh, Andrewithers, the Strong of the Office of the Strong of the Strong of the Office of the Office of Strong of the Strong of the Strong of the Office of the Office of Strong of Strong

Duese' in the two first Social are frequent, both in the Employ, Freets, and Joreana Affaire.

MARA, in Law, fignifies to perform and execute.

MARA, in Law, fignifies to perform and execute.

MARA, in Law, fignifies to perform and execute.

MARA and the Law is the perform that Law to which had been a former of Law in the Carlo and Affaire of Law in the Carlo and th

cular kind of Food with extraordinary Extoetitette, and cash it to Excels. As when a Womm with Child is vehe-mently defirous of Herrings, or any other wind Diff, Many Authors confound this Affection with another call'd Pies, confifting in a Departuries of Appetite, which leads the Pattern to cover things unnatural and a biland, as Lime, the Children to Children from a sill Diffic-tion of the Meditumin in the Commaking of from from Confident and the Commaking of from from sition or the Mentireum in the Stomach 3 or from tume Defect in the Imagination, which determines it to form one thing rather than another. The word feems derived from the Greek market, fort: too lax a Tone of the Sto-mach being generally the Occasion of Indigestion and un-MALANDERS, a Difease in Horses so called from the

Halian Malandare, to go off. It confills in certain Chops on Chinks, appearing on the infide of the Fore-Logs, just against the bending of the Knee, which void a red, sharp, and biting Water.

MALE, the Sex which has the Parts of Generation without-wards, and which has ordinarily the Prehemice over the other

MALEBRANCHISM, the Destrine or Sentiments of ather Malebranch, a Priest of the Orange of France. Malebranebijm is in a great measure the same with Carrelianijm. It must be own'd however, that the F. Malebraneb thought It must be own a nowever, that the Franklishmen thought the fame with Des Cartes, yet he does not feem to have follow'd him, but to have met with him. Malebranching is contain'd in the Recherche de la Verités and to give a gois contain o in the Keenevere see of Farres, and to give a general Notion of it, we need only repeat what M. Fornensle fays of that Work. The Employ after Truth, fays he, is full of God. God is the only logour, and that too, in the firsted field. All Power of Acting, all Actions belong immediately to him. Second Caufes are no Caufes. They immediately to him. Second Caufes are no Caufact. They, are nowly Occaffoot that determine the Afties of God ¡Occaffoot Caufes. SecCaufe B. Matheranet, however, does give, or rather the Manner in without negation Religion, or rather the Manner in without with regard to Religion, or rather the Manner in without the Religion to his Sylfem of Philodophy. That he referred for his Chiffiant Conversionary, principle in 1673, where he provides the Affinian Conversionary, principle in 1673, where he provides the second of the Chiffiant of God, the Corruption of Human Parameter of Grave. Maldenardoline convintibilization, calculates and of Grave.

Name by Original Sin, the Necestive of a Meditiree and of Grace. Medicanships, convintanding, appears no many Perioda not only ill grounded, but even dispersons ground predict and the property of the proper

fes ; imprecating the most direful Punishments to those

who fhould infringe them.

who fhould infringe them.

MALIGNANT, in Medicine, a Difeafe greatly aggravated: The word is generally applied to fuch Fevers as
are Epidemical, or Infectious, and are attended with
Spots and Eruptions of various kinds. See Fever.

MALLEABLE, fomething hard and ductile, and that MALLEABLE, formetting hard and outlies, since that may be beeney, forg'd and extended under the Hammer without breaking. All Merals are Makeske, excepting Quickfilver; but Gold in the greatch degree of all. The Chymitis have long fought the Fixation of Merany, to render it maffeable. "The a popular Error, that every the control of the

the Art of making Glass maticable, was known 5 its Na-ture is incapable of it. For if it were ductile, its Pores would not be opposite to each other, and of confequence it would not be transparent; so that its principal Quality would be loft. See Transparenty. This Error is founded on the Credit of antient Hillorians. MALLEOLUS, a Process in the lower part of the Leg

just above the Foot. There is one internal, and another external. The internal is an Eminence of the Thia, the external of the Fibula: the two together form the Ancle. external of the Public : the two together form the Ancie.

MALLET, a kind of large Hammer, made of Wood,
much nied by Artificers who work with the Chiffel, as
Sculptors, Mafons and Stone-cutters, whose Mallet is or-

dinarily round; Carpenters, Joiners, Es, who use it square.

MALLEUS, in Anatomy, is understood of one of the
Bones of the Ear, from its Resemblance to a Hammer or

Bones of the Ear, from its Kelemblance to a Hammer or Mallet's fifth difference by Jac. Capregits. So experience, MALMSEY, or Malrody, a kind of Wine brought from Greece or Cambia; fo calld from Malesgia, a City in Pelapomerja, which is the antient Epidaura, whence this celebrated Liquer was fift brought. That brought from Canda is effected the bett. See Fine. Malledy's is all of the Name of a kind of Malcadine Wine Malledy's is all of the Name of a kind of Malcadine Wine

brought from Presence.

Malify as also the Arme of a kand of valuctame Wine MalIff, a Peoptragation of Barley, whole Use is a well known. The Proceeds of Manner of making it, sife R. Morroy describes an ollow. The proceder of value of the Region of t a Scoop, and lay it in a new heap, about 20 or 24 Inches

This Heap is call'd the Coming Heap, and in the right Management of this lies the principal Skill. In this Management of this lies the principal Skill. In this Heap it may lie ach bours, more or left, according to the foremention d Qualities of the Grain, 65c. before it come to the right Temper of Mult; which that it may do equally, is mainly defired. While it lies in this Heap, it mult be carefully lock d to, sifter the first 150 rs 16 Hours; for about that time the Grain begins to put Hours, for above that time the Ceria begins to put forth Are Rose visible when they have equally and fully done, the Malt must within an hour after be trand doner with a Scoop; otherwise the Cerial will begin to put forth the Blade or Spire allow, which must by all means that which has the means that which has not be middle, being awarmed, come that which like in the middle being awarmed, to me thousamings it will 'visial allike, a force as the Maltin fulficiently come, turnit work, and freed it no a depth on the contraction of the middle being and the second of the contraction of the second of th all foread out, begin and turn it over and over again three or four times. Afterwards turn it over in like mar ner once in four or five hours, making the Heap deeper Afterwards turn it over in like manner ance in foar or two hours, making the Heap deeper by degrees; and continue for to do for the flyace of 48 hours at leaft. This it, equent turning it over, cools, dries, and leadent the Grain, whereby it becomes mellow, melts eafly in Brewing, and fewartes entirely from the Heak. Then throw up the Mark into a Heap, as high as you can 3 where let it lie till grow as hot as your Hand can endure it, which usually comes to pass in about 30 hours space. This perfects the Sweetness and Mellowness hours space. This perfects the Sweetnest and Mellowness of the Male. After it is sufficiently heated, throw it abroad or the Asair. And it over again about 6 or 3 hours after, and then lay it on the Kiln with Hair-Clo th or Wire spread under it; where after one Fire, which must last Igneed suder it is where sifter one Fire, which mult had for a shours, five it souther more flow, and afterwards, if need be, a third is for if the Mole be not than waithly affect, in the fermion of the state of t imprenoa. Indeed the best and most natural Method of drying it, is in the Sun in the Months of 'perl and May. This yields the palest, the nuoth wholeforme, and the finest Liquor. However this be, take care the Malt be not fineak'd in the drying. As to the Complexion or Colour of Malt, White is accounted the best, because the most

The Manner of preparin g Liquors, of Male; fee under he word Brewing.

Male Liquors have different Names, as well as different Malt Ligaers have different Names, as well as different Virtues, Properties and Ufes, both from the different Mamners of preparing the Malt, (whence they are diffin-guilted into Pale and Bowns 3) and from the different Manners of preparing or brewing the Ligaeurs themselves; whence they are divided into Zetr and Ale, Strang and Sand, New and Old.

As to the first Division, Mals Drinks are either Pale or Brown, as the Malt is more or less dried on the Kiln; that which is the flenderest dried ringing the Liquor least in brewing, and therefore call'd Pale; whereas that higher dried, and as it were roafted, makes it of a higher co-lour: a Mixture of both these makes an Amber Colour, whence feveral of these Liquors take their Name. may lead on to the fame Inconveniences with the Pale may lead on to the Jame Inconveniences with the Pale; tho a single Debauch wears off much more eafly in the Boston. Dr. Dainey observes, that the best Pale Liquers are those browd with bard Waters, as those of Springs and Wells: in regard the Mineral Particles wherewith both Waters are gard. their Waters are impregnated, help to prevent the Co-henens of those drawn from the Grain, and enable them neueno of mote trewn from the Grain, and enable them to pals the proper Secretions the better; as the vitical Particles of the Grain do likewife defend these from doing the mischief they might network occasion. But office Waters, as Rain and Krew Waters, feem belt faited to draw out the Sublace of high-dryd Marls, which retain many fetry Particles in their Contexture, and are therefore belt lott in a finosolt Vehicle.

loft in a Imooth Vehicle.

As to the Difference in Preparation, it confifts chiefly
in the Ufo of Hops, as in Beer; or in their Omiffion, as
in Ale. Now the Difference made by Hops, is best difcovered from the Nature and Qualities of the Hops themcovered from the Nature and Qualities of the Hops them-felive. Their are known to be a fixed granted litter; in their Compelition threefore with this Liquar, they add fountwhat of an Alaisian Nature, it. Puriside that are found to the state of the state of the state of the state of the visid Parts of the Mais are more divided and the state of and are therefore one only rendered more elifyof Digethon and Secretion in the Body is but allow, while in the Liquer, prevent it from running more feet Defension as waved master tropy, applied and fear. Now for want of this, in an-alysis of the state of the state of the state of the state of a state of the state of the state of the state of the state and the state of th hopp'd Drinks, that clammy Sweetness which they resun after working, foon turns them Acid, and unft for Ulce, which happens fooner or later, in proportion to the Strength they receive from the Malt, and the Comminu-tion it has undergone by Ferneutation. 'Its a common Opinion, that Ale is more Diuretic than Beer, that is, unhopp'd Liquors more than that with Hops in it. may hold in fome particular Constitutions, in regard Ale may hold in fome particular Conflittinons, in regard Air being more finouth, folfmig, and relaxing, where Urine is to be promoted by enlarging the Paffage, as in thin dry Conflittinons, this is the moll likely to effect it. But where the promoting of Urine is to be done by attenua-ting and breaking the Juices, and rendering the filled, it is certainly belt answerd by whole Draha which are well hand? A sto the Different whether the fluid, ris certainty bett antwer o by those littles which are well hoppyd. As to the Dispute, whether or no Hops tend to breed the Stone, ris too long to enter upon here. Dr. Quincey is of opinion, there is bett little reason for the Affirmative side of the Question 5 and in the general makes no femple to fay, that for one Confirmin da-maged by Beer, there are Numbers spoil'd by Ale. For maged by Beer, there are Numbers ipoid by Ale. For this last manifelly fouls the Glands, stuffs the Veffels with Slime and Vifedity, makes the Body unwields and corpulent, and paves the way for Cachexies, Junuice, Althmás, and ar last incurable Droptics. The Urinary Paffages, allo, which it is supposed to clear, it will in time fill with Slough and Matter of as fill conficience as

Gravel.

Again, the different Strengths of these Liquors makes their Effects elistent. The frequency they are, the more better the strength of the strength of

vent their being proper Diluters of the necessary Food-Indeed in robust People, or those who labour hard, the Viscidities of the Drink may be broke into convenient Nourishments but in Persons of another Habit and Way of Living, they ferve rather to promote Obstructions and

ill Humours.

ill Humours.

The Age of these Liquors is the last thing by which
they are rendered more or less wholesome. Age seems to
do nearly the fame thing as Hopa; for those Liquors
which are longest kept, are certainly least wiside Liquors
broking the vitical Parts, and by degrees rendering them
smaller and sitter for Secretion. But this is always determined according to their Strength; in proportion to which
where the secretion is the strength of the properties or which they will fooner or later come to their full Perfection as well as Decay. For when Ale or Beer is kept till its Parsacre are proke and comminuted as far as they are ca-pable, then his they are the beff; and beyond this they will be centiusally on the Decay, till the finer Spirits are entirely escaped, and the Remainder becomes vapid and sour.

and iour.

We shall only add, that those who mix Wine with
their common Drink, are less subject to Coughs, with
other Distempers of the Breast, and to Dropsies; yet are
they more affected with Gravel and Fains of the Gout.

MALTIA, Knights of, An Ober of Milliary Religious, who have bore various Name 1 as, Inspection VS. John MALTIA, Knights of, An Ober of Milliary Religious Order of Milliary Religious Order of Maltia, Religious of Maltia, See, About the Year 1048, Igent Novaphium Merchants founded a Charter Marc 2048, Incan Novaphium Marchants founded a Machine of Religious rifers the Order of S. Kimurs, for the Receptor of Religious rifers the Order of S. Kimurs, for the Receptor of the Company of t there imitating his Liberality, the Revenues of the Hofwhen instants the Liberality, the Revenue of the Hef-pitali became confidently sugmented. Upon this, Ger-nuel Terr their Refler, in concert with the Holpitallen, reducted to feparate from the Abber and Religious of 50 Maria, and to form a diffield Congregation, under the Name and Precident of 5.75th spirit. And becret in  $q_{\rm c} = 10^{-10}$  Maria, and to form a diffield Congregation, under the Name and Precident of 5.75th spirit. And becret in  $q_{\rm c} = 10^{-10}$  Maria  $q_{\rm c} = 10^{-10}$  Maria See; ordering that the Rectors, after Gerard's death, should be chosen by the Hopitaliers. Raymend de Pay, Gerard's Successor, took the Title of Master: He gave a Rule to the Hofpitallers, which was approved by Cas

in 1110.

Such was the first Rife of the Order of Malta. Now their first Grand Master finding the Revenues of the Hofping 1 willy exceeded what was nectifiery for the Entire the Company of the Company were to perform the Office; and the third of Servitors, who were not Noble, but were also appointed for the War. He also regulated the Manner of admitting Knights War. He also regulated the Manaer of admirting ranging as Brothers; and had the whole confirmed by Pope Innecent; who gave them for Arms, a White Crois in a Field 
Argent, which continue fill the Standard of this Order.

Argen, which continue fill the Stundard of this Order.
After the Loft of Grafieles, they retired first to Marget,
then to Aree, which they defended very vigorously is
draw to Gerna, where K. Hency L. Letytens, whom they
had fallow d thirther, gave lenn the City of Lingline. Hence
they continued 19 Years when taking the Hand of
Rieder from the Sarares in 1105, they feetled there,
the Continued Readers of the Continued Reader
L. Letter and R. Lette viz. Knights of Rhodes. Andronicus, Emperor of Constan-tinople, granted to their Grand Master Foulque de Villaret, sample, graniced to their Grand Mather Findage de Vilture, the Lovelliure of this Oder's and the Donation was con-fared by Pipee Classon. The Test Sullawing, and the Grand by Pipee Classon. The Test Sullawing, and the themselves and their tillined against an Army of Survenice. In 1420, their Grand Mather 27, designer made a vigorous Defence against Malower II. and preferred the lithout, in prince of themselves and the sullawing the sullawing the Spines of three Months. But in 1523, it was attack? By Solimon with an Army of three handerd thousing Mon-al native by him, after lawing been in the politicism of the Knightes 13, 2022. After this LOI, the Grand Mather

and Knights retired first into the life of Candia. Some-time size Pope Clesser VII. gave them First. Laftly, Cherk V. in 153, pare them the Hind of Madia, which Cherk V. in 153, pare them the Hind of Madia, which Cherk V. in 153, pare them the Hind of Madia, which of Knights of the Cherce of St. "side of Populations and their Knights of the Cherce of St. "side of Populations and their Crand Malter, among his other Trites, fill retains that the Cherce of Wallet have no other Dominions befole that of their Hinds and Gandian of the Cherce of and State of Idea The Coverment is both Manarchiel and Artificential, The Coverment is but Manarchiel and Artificential,

the Grand Mafter being the Sovereign, and the Chapter the Senare. It is Monarchical with regard to the Inha-bitants of Malta, and the Isles adjacent, and even with regard to the Knights in every thing relating to the Sra tutes and Rule of their Order; and Ariftocratical, with tutes and Kute of their Order; and Ariflocratical, with regard to the Decision of any important Affairs, which are regard to the Decision of any important Affairs, which are not to be diffracted but by the Grand Mafter and the Chapter. There are two Causells, the one ordinary, composed of the Grand Matter, as Cluef, and the Grand Grew's the other compleat, confising of the Grand Mat-ter, the Grand-Costs, and the two Senior Knights of each Language.

The Languages of Malta are the feveral National whereof the Order is composed. Of these there are whereof the Order is composed. Of these there are cight, vie. Prevence, Averzem, Famer, Islay, Average, Cernamy, Cyllist, and Emyland. The Pillat (as he is called) of the Language of Provence is the Grant Communder, the eff selectory the Cernat Communder, the eff selectory the Cernat Cernat Cernate Com-cernated the Communication of the Communication of the Armyon Grant Cenferrator, or Drager, as he was antiently called 3; the Pillar of the Language of Cernamy is Grand Builty, and be of Cyllist Grant Classically as the Language of England, which has been extend fines the Time of the Recommission under King How YIII. In the for its Pillar, or Chief, the Turopoler, or General of the Infantry. The Language of Proteon is the first, on ac-count of Raimond & Pay, their first Grand Master, who was a Provencial.

was a Processial.

In each Language there are feveral Grand Priories and capital Bailiages. To each Language belongs a Hall, where the Knights eat, and hold their ordinary Affermblies. Each Grand Prior has a Number of Commandries. The Commandries are either magifiral, by Right, or by Favours, the magifical are those amenced to the Grand Mastership, whereof there is one in each grand Grand Mattership, whereof there is one in each grand Priory. Commandries by Right are those which come by Right of Seniority; their Seniority is computed from the Time of their Admittion, but they mult first have lived five Years at Matra, and have made four Caravannes, Irred nive J cass at Matta, and have made tour Caravanners, or cruizing Voyages on the Turks and Confair. Commandires by Favour, are those which the Grand Matter, or the Grand Priors haves Right of conferring; sone of these they confer every five Y cass on whom they please.

they confer every five Tears on whom they pleate.

The Noble knights are called Knights by Kight 5 excepting whom, none can be Bailith, Grand Priors, or
Grand Mallers. The Knights by Favour are those who,
not being noble of themfelves, are raifed, on account of
from great Rapidit, or notable Service, into the Kanked
Nobles. The Servitors, or Serving-Bothers, are of two

Nobles. kinds; (1.) The Services of War, whole Functions are the fame with those of the Knights. (2.) Services of Religion, whose whole Business is to fing the Peasies of God in the Conventual Church, and to officiate each in his Turn as Almeners on board the Veffels and Gallies of his Turn as Almeoters on board the Veffels and Gellies of the Order. The Enothers of Obocinece are Priefst, who, without being obliged to go to Molita, take the Habit of the Order, make the Vens, and the Habit of the Authority of a Grand Prior, or Commander, to whom the Authority of a Grand Prior, or Commander, to whom they pay Obedience. The highinst of Majority are those who, according to the Statutes, are admirted at fixteen are authorited from the Time of their River's wide's bear are authorited from the Time of their River's wide's bear Years of Age. The Knights of Minority are rhofe who are admitted from the Time of their Birth; which, how are admitted from the I into of their Birth ; winch, how-ever, can't be done without a Diffentiation from the Pope. The Chaplains can only be admitted regularly from ten to fifteen Years of Age; after fifteen they mult have a Brief from the Pope; till fifteen the Grand Mis-ter's Letter is fufficient. Thefe are called Disso't, and mult give Proof of their being born of creditable Fami-mult give Proof of their being born of creditable Fami-

For the Proofs of Nobility to be made, e'er the Adnor the Proofs of Nobility to De made, ee'r the Ad-milition of Knight, in the Language of Gremmy, they go back fix Generations 3 in the reft 'its fatheriar to go back to the Grest Grandfather on the Father's or Minher's fide. All the Knights, after their Profettims, are obliged to wear a white Coffsot Star, which sight 'Loins over the Cloak or Coat on the left Sick, which is proper Boat of the Order, the Golden Cords being only an Orna-

There are also Female Hospitallers of the Order of There are also Fennel Hofpitallers of the Order of St. 9ther of Serissions, forestimes a localized Cessaleroffer, or See Asight, of equal Antiquity with the Knights them-playins, in a Hofpital-part from that of the Aten-MALTHA, a kind of Cemens, formerly in great Uffe, composed of Pitch, Wax, Philiter, and Greafe. Berldes this, there was another kind of Melhae whereven's Apogeology; a thin was a revy fige Cement. confiling of

necessaria, sterie was another Janut of Jatish's descrived in Agrobic State in was a very fine Creans, conflicing of Line disked in Wine, incorporated with melced Pinch and feels pigs. The cascard Jadaha is a laid of Bitament of Line disked in Wine, incorporated with melced Pinch and feels pigs. The cascard Jadaha is a laid of Bitament, and the state of the state of

Moss Blee, the Toronson.

Cheen fay, that the Mossocheler were ordinarily chocked for the strong the Cheen factor and the factor of the factor

Prize or Purchase

MAMMIFORMIS, in Anatomy, a Name given to two Apophyles of the Bone in the back Part of the Skull.

fo called from their refembling a Breatt. See Maftoides.

MAMMILLARIS, in Anatomy, an Epither given to two little Potuberances, formewhat refembling the Nipples of the Breatt, found under the Fore-Ventricles of ples of the Brean, round under the Fore-ventures of the Brain, and supposed to be the Organs of Smelling. They are called Apophyse Mammillares. There is also a Mukle called Mammillares, or Majiodes, serving to stoop

the Head. MANAGE, or Minge, a Riding Academy, or Place for riding the Great Horfe, and for breaking Horfes to the proper Motions and Altien. In a Minney is a Place defined for vanling round a Pillar, a Courfe or Carrier for running the Ring, and on the Side are Pillars, between which are placed the Horfes destined for high Airs. Minney is all one of the The Event in title, there of the horizon and the Pillars between which are placed the Horfes destined for high Airs. Harfe or the Rider. The Word is burrowed from the French Mange, and that from the Italian Maneggie, or, as fome will have it, 4 Manu agendo.

MANCIPLE, a Career; there was antiently an Offi-cer in the Temple called by this Name, now called the Stoward; and the Name and Office is retained fill in

Steward 3 and the Name and Office is remined fill! in our Colleges in both the Universities. MANDAMUS, a Writ that lich after the Year and Day, whereas, in the mean time, the Writ colled. Dise classific retreasus high not been fare our to the Edicheure, for the fame parties of which it flood baw been fear. Mindowns is all fo a Change to the Sheriff, to take into the King's hands all the Lands and Tenzements of the King's Widow, that, against the Oath formerly given, many control of the Change of the Change of the Change MANDAMEN. A New given the Persenties to the

MANDARIN, a Name given by the Pertuguese to the MANDAKIN, a Name given by the Pertagness to the Nobility of the Edistern Countries, whom the Changle all Queen, or rather Colon, q.d. to serve, as be a Minister of a Prince. There are in Chana nine Orders of Mandarins; or mine Degrees of Nobility; which have as many different Animals for their Characteristicks. The first is distinguifhed by a Crane, the focused by a Lion, the third by an Eagle, the fourth by a Peacock, &c. There are in all thirty-two or thirty-three Thousand Mandarins in China. There are Mandarins of Letters, and Mandarins of Arms ; both the one and the other of which país feveral Exami-nations. Since the Time that the Tartars have rendered themselves Masters of China, most of the Tribanals, or Courts of Jostice, Es. instead of one Mandarin for a Pro-fident, have two 3 the one a Terrar, the other a Chingle. The Mandarinas is not hereditary, nor are any raised to it hat Men of Letters Mandarin is also the Name which the Chingle give to the

learned Language of the Country; for hefides the proper and peculiar Language of each Nation and Province, they have one common to all the learned Men in the Empire; and which is that it no learned atten in the Empire; and which is that in China which the Latin is in Europe. This Language they call the Mandarin, or the Language of the Court. Their public Officers, as Nota-rics, Lawyers, Judges, and chief Magisfrates, write and front his Mondarin. fpeak the Mar

tpeak the Manasarus.

MANDATE, in the Canon Law, is a Refeript or Edict
of the Pope, by which he commands form Ordinary,
Collator, or Pretenter, to put the Person there nominated
in postetion of the first Benefice vacant in his Collation.
An Apottolical Manaster for the Provision of Benefices, is An Apostotical Mandate for the Provision of Benefices, is a monitorial and comminatory Letter from the Pope to a Biftop, by which he is enjoined to provide a Subfiftence for the who have been ordained by him, or his Prede-cessors, from the Tonsure to Sacred Orders inclusively; and to allow them this Subfiltene till they be pro-vided of a Benefice; which Practice was occasioned by the Bifnop's laying Hands on great Numbers, and after-wards abandoning them to Biftery and Want. At first the Popes only gave monitory Mandates, which were no more than fimple Prayers and Requests, that did not bind the then finished response to the date of the bind the Ordinary a fireward they gave preceptory Mondates, whilst did not small the Previous of the Ordinary at whilst did not small the Previous of the Ordinary at without made by the Ordinary, in prejudice of the Man-dare, were declared mall, and the Execute of the Mon-dare, were declared mall, and the Execute of the Mon-dare, in default of the Chilarry, conferred the Roneling and the Chilarry of the Mondates of the Mondates in own very much regulated and erithinotic ManDERILL, a kind of wooder Palley, making a WANDERILL, a kind of wooder Palley, making a veral kind, as Wandenders of the Mondates of the veral kind, as Wandenders of the Mondates of the little Peese of Politics most the Verge, and say edged for the Peese Politics most the Verge, and say edged for the Peese Politics most the Verge, and say edged for the Mondates of the Peese Politics and the Peese Peese

little Pegs or Points near the Verge, and are used for turning flat Boards on. Pin Manderilt, which have a long wooden Shank to fit into a round Hole made in the Work to be turned. Hollow Manderili, which are hollow of themselves, and used for turning hollow Work. Screw-Manderili, forturning Screws, Es. See Tisnery. See alfo Leath.

fo Lesth.

MANDBULLA, the Jaw. See Maxilla. Hence Mandbullett, and Mandheuseri Mofesti, and Mandheuseri Mofesti. See Mafferer.

MANDBUL, the Name of a Cap or Turban were by the Perfaint. The Mandal's formed, by first wayping round the Head a Piece of fine white Lines five or fix Ells long; a sakis show aven. in the dame manner, a Fixe of Silk over this they wrap, in the fame manner, a Piece of Sil of the fame Length, and oftentimes of great Value. T make the Mandel genteel, Care must be taken, that in wrapping the Silk, it be fo managed, as that the feveral Colcars, found in the feveral Folds, make a kind of Waves, fomewhat like what we fee in marbled Paper. Waves, formeman like what we lee in mathled Paper. This Dets is extremely majelfit, but at the fame time very heavy. It ferves either as a Shelter to the Head from Cold, or as a Skreen from the exceffive Heat of the Sun; 'tis faid the Cultafa won't penetrate it. In gride Westers than cover; it are with a likely of Colthe San 3 'ta faid the Callafa word; pecetrate it. In "taily Watther they cover it up with a kind of Cafe or Hood, make of red Cloth. The Model of the Month Into born altered of late 3 pairing the Time of Clas Abbar II, it was roand at Top; in the time of Cha-Shoullana, they bought one End of the Silk unt of the middle of the Mandel over the Head; and, lattly, in the Reign of Clas-Ulyon, the end of the Silk, in the of in being gathered as before, was platted in meaner of a Role's and this Autophose find a correctly greatful, and ule it to this

MANDRAGORA, Mandrake, a Medicinal Plant,
MANDRAGORA, Mandrake, a Medicinal Plant,
which makes a principal Ingredient in the Unguent,
called Papadows. There are two kinds of Mandrake,
called Papadows. Male and Female, each bearing a kind of Apples; those of the Male, as well as the Leaves, Roots, &c. being twice as large as those of the Female; but the Juice of each is a Poiton, equally violent. Naturalists tell strange Stories of this Plant, but fetting afide its soporiferous Virtue, the modern Botanists will scarce warrant any of Virtue, the modern Botanitis will learce warrant any of them, not even that human Figure ordinarily afcribed to its Roots, especially fince the Difcovery of the Arti-fice of Charletan's in preparing it, to surprize the Creduli-ty of the People. Chimch Mandragora is the Plant Onifers,

MANDUCATION, the Action of chewing, a Term MANDUCATION, the Action or enewing, a serm feldom ufed but in fpeaking of the Eucharift. The Ca-tholics maintain a real Manducation of the Body of Chrift is the Reformed, on the contrary, take this Manducation be only figurative and by Faith. St. Angoline calls in a

MANEQUIN, in Painting, is underflood of a little Statue, or Model, ordinatily made of Wax, and fome-times of Wood; the Janchures whereof are ic contrived, as that it may be put into any Artifiede one pleafes, and their Folds be diffored at Diference.

The word Manequin is minutive of Man, and proper ly fignifies a little Man MANES; a Poetical Term, figuifying the Shades or Souls of the Deceafed. The Heathers used a world of Ceremonics and Sacrifices to appeale the Manes of those

who died without Burial.

The Dil Mases were the Infernal Gods who tormented Men; and to these the Heathens offer'd Sacrifices to as-inage their tedignation. The Heathen Theology is a lit-obscure with regard to these Gods Mases. Some hold that observed with death of the both states. Some how many the form of them, which last Opinion fairs lest with the Couris of Many which last Opinion fairs lest with the Engineery of the Word. The Hearthon, the presery existence of the Popuration of t they were the Souls of the Dead, others that they were

the few Name of this Recetarch was Cabricous and that he changed it is pilear, which in the Equipm or Labylange he had the change of the Description of Labylange he had been delivered by the Labylange of the Cabridon of Martha 1 are works, he affirmed to Title of Apollie which had the Cabridon of the Finsiphe keing eo eutreal and independent of each order. He berrow'd many whing from the assisted Sulfiels of a Branch of the Sulfield of the

sine; which list, naving occu or tueir occt, may ue pre-funed to have been thoroughly acquainted with them.

The the New Telaments; yet, in effect, they only took for much of them as faited with their Opinions: throwing all upon Reafon, and quite fetting aided all Authority. They formed to themtelves a certain idea of Christian infine, and to this adjusted the Writings of the Ajro-nifines and to this adjusted the Writings of the Ajro-nifines and to this adjusted the Writings of the Ajromin j and to this adjusted the Writings of the Apo-filless preceding that whatever was inconfilten with this Idea, had been foilted into the New Teflament by later Writers, who were half Jewy. On the other hand, they made Fables and Apochryphal Books path for Apofolical Writings; and even are fullpected to have forged feweral others, the better to making their Energy. The Exist. made Fabies and spectrypus Bonas part in a spectroment of the property of the

Byshee into the maner, at to make them contain a new System of Manichesia. He entirely distarted all the Writings of his Fredecessors, rejected the Chimera's of Writings of his Predecettors, rejected the Chimeras so the Falkenings and their thirty Earls in the Falle of Masses, with regard to the Origin of Rain, which he made to he the Sweat of a young Man in hot Purfuir after a Maid; and other Dreams, but fill retained the Imputities

of Basilides. In this manner he responded Manichaismi, in-formed that his Followers made no ferople of anotherma-tizing Sephiam, Banddas, and even Munes himself 5 Constan-tive being now their great Apostle. After he had fo-duced an infinite number of People, he was at last stoned by moder of the Emmerre.

duced an infinite number of Teiple, he was at left flowed by order of the Experiments from the Line Marietae, which sattest Author maintain to have been formed of the true forcet, both the true forcet both, partner, Mana and \$9.0 I fprend of Manna, which he fprend cycle that the was a kind of Manna, which he fprend cycle that the was a kind of Manna, which he fprend cycle and the was a kind of Manna, which he fprend cycle are cover? which pieces a few of the cycle of the Religious to learn to play up is fo as makes the Masiera more assistent heat the Spinistra and Harpfelsond. De Cargo Carires she wond from Mannabrad, and Harpfelsond. De Cargo Carires she wond from Mannabrad, be in tillaken, it has fifty, or more.

from a supposition this instrument has our one core; our he is mitlaken, it has fifty, or more.

MANIFESTO, an Apology, or public Declaration, in Writing, made by a Frince, thewing his Intentions in any Enterprize, the Motives that induced him to it, and the Reatons on which his Right and Pretentions are

MANILLE, or Menille, in Commerce, one of the prin-cipal Commodities carried by the Europeans to the Coatts of Agrico, to traffic with the Negroes in exchange for Slaves; onlifting of a large Brais Ring, in form of a Bracelet, ci-

Consting of a large strats King, in term of a pracetat, theref alter remond, plain or engravers y which the Natives us to teck themselves withal, putting them on the Small of the Leg, and the Thick of the Arm above the Ellow. The better fort among om wear Silver and Gold Manifer; but these are of their own meanifecture; most of the Money they receive for their other Merchandizes being melted in Manifer. MANIPULATION, a Term used in the Mines, to fig-

y the manner of digging the Silver, & out of the Earth. Sec Silver.

MANIFULE, Manipulas, among the Romans, was a little Body of Infantry, which, in the Time of Romans, conflict of an hundred Men 3 and, in the Times of the Confust and fattle Cyfars, of two bundred. Each Manipule had two Countries, or Caspits, call'il Manipulasis, in commandit; occurred, and the Countries, or Caspits, call'il Manipulasis, in commandit; own to the Countries of the Countries, or Caspits, call'il Manipulasis, in commandit; own the Countries of the Countries of the Countries, or Caspital Countries of the Countries

two Centuries.

"Tis true, Anlas Gellins quotes an old Author, one Ginesias, who lived in the Time of Hannibal, (whose Prisoner he was) who lived in the time of riaminal, (whose Princer ne was) and who, writing on the Art of War, observes, that, then, each Legion conditied of fixty Centuries, of thirty Monra pales, and of thirty Cohorns. And again, Farrs and Fegerias mentionist as the leaft Divideon in the Army, only confidence of the part of the Cohorns.

'ine menioni ta she leuft Divigon in the Army, only con-sisting of the tend part of a Contrary and Somine adds, that it containd to more than en Men, which flower that the containd to more than en Men, which flower that The Koman cull? this Cormeys by the Kame Manjade, or Manjada, as figuifying the Handfal of Hay which they bow at the End of a Fole, to diffinguish themselves by, o'ler the Cultons was invested of the Section as Engle for the Culton was invested and the Section of the Con-traction of the Culton of the Contract of the Con-traction of the Culton of the Contract of the Con-traction of the Contraction of the Contract of the Con-traction of the Contract of the Contract of the Con-traction of the Contract their Eniggs and hence came the Friate, an Hanging as Men. Feetins, Madelins, and Farre, give other Esymologies of the Word. The last derives it from Manns, a listle Ro-doy of Men following the fame Standard. According to the former, they were to call'd, because they fought hand in hand, or all together. Considerations nates Mannphate south hater also quad conjunitis Mannibus pariter administrations, are their

Words, Manipule is also an Ecclefissical Ornament, wore by the Pricits, Deacons and Subdeacons in the Remiss Church to confiss of a title Filler in form of a Sube, three or four Inches broad, and made of the same Suff with the Chafable; a fightlying and representing an Handkerchier, which the Pricits in the Primitive Church wore on the Arm, to the Priest in the Primitive Church were on the Arm, to where of the Team recommending the Church was a wipe of the Team recommending the Church was a Six of the People. The contract of the Church was a long in a Prayer fookne by their wises. It is a six of the wines, parase Manipales Hear & Dabrit. The Greeks and Marment wear two Manipales, one canch Arm.

MANIPULUS, in Payie, is affed for a Mesfare of Herby, exa. all Hardid is which is quantity often to deli Prefeription amongst Phylicians, and is generally marked with M.

with M.

MANNA, in Fharmacy, a medicinal Drug of great ufe in the modern Practice. Manus is a white Juice, or Liquot, very forect, Occange either of it felt, or by Incident from the Branches and Leaves of the Afte, both wild and from the Branches and Leaves of the Aftle, both wild and occiliansy, during the Time of the Dog-days. Others will have it to be a Honey of the Air; or a kind of Dew pro-ceeding from a Vapour rais'd from the Earth, and prepared in the Air, sondens'd by the Cold, and gathered in the Kkkkkk hot Countries, before San-tife, both on Plants and Trees, and even on Rocks, and the Earth itself. But this mail be a Minkley, and 'is much more rational to rank it are the more than the sand that the sand the

The first Agency pather three kinds of Memas. The first Agency at Gyrk which coses fromancounty from the Branches of the Tree in the Munch of July. The feecal Agency at Gyrk was a second of the Tree in the Munch of July. The feecal Agency at Gyrk was a feech of the Tree when the Flux of the first has careful. The brind, Munca di Franch, which titless second to the feech of the first has careful. The brind, Munca di Franch, which titless second the feech of the feech of the first has careful. The brinds of the feech of t

they cat as we do, Cheefe.

Moman is brought from foreral Countries, and in foreral
Forms. Thus we have Mannas of Caldries, and of Goldy,
Schoma in Craisa.

Schoma in Craisa, the control of the Countries of Caldries,
Schoma in Craisa, the many take to be fallitions, and the
Work of the 'free of Leglorn, but 'its certainly natural 1And what gives it this Figure, is, that they put Straw
and Slips of Wood in the Inctions a slong substitute
of the Countries of the Counce out, and diffusion,
this Form.

the Form.

MANNA, a Starting for chiques, figulfying a miraclaus, MANNA, a Starting from Harving, wherewith the I/e soldier were furpered in their lettings three the Wilderstein. This home was inform of criminal scale; it is Control Tail with the scale of the scale

confit in the Farmation of any new Subbtaces in favour of the finition's to his the profitable Manner in which it was difficuently by Providence; is that for vall at Manner in the Confidence of the Confidence o

uted with respect who to the lovestime, the Mellys, and placed, may also be known in their Scholars. That we far yet far, the lovestime the second of the se

of a Principle of Lowe, Gerstunde, and Homour, not to quite Dalls and having on the other band, an expert Order from the Gods to depart after the control of the principle of th

of Ænea at all, neither that which he achally took, nor the contary, in that Cafe there and been no Manner at all. This the Manner, as we have before observed, which diffinguish the Characters: And, unless the Manners be well expected, we shall never be acquainted with the Perfons at all; nor, consequently, shall we be either terrified with forescing their Dangers, nor melted into Firy by Scient their Sufferiers. So Chavaller.

well co-peried, we hind never be adjulated with the feet of white frection glue Dingers, so mentled into 17% by 6 feeting their Bingers, so mentled into 17% by 6 feeting their Bingers, so exclavation of their beautiful properties of the second of their beautiful properties and their beautiful properties of their beautiful properties and their properties of their beautiful properties and their properties of their properties

MANOMETER, or Mossipore, as lettrament of fiew o, mediate the Alternation in the Rating to Dentity of the Ar y from the Gretch sandy, and, and aligny, seefinged, &c. The Alassewer define from the Boressey, in that the fermer, in the alternative from the Alassewer defined to the Alassewer defined

ender the Worl Resement.

MANOR, in derived a materiah i because the Lord disusfully table there. For its Original i there was anticarly formed to the property of the propert

two Suitors, there can be no Manor.

MANSE, is a Parfonage or Vicaridge-Houfe, for the Incambent to live in ; this was originally, and is now, an effectial Part of the Endowment of a Parish-Church, toge-

ther with the Glebe and Tythes. It is formerimes called the Prehysterium. See Prehystery. MANSION, from manemas, a Dwelling-Hoofe, or Coun-try Habitation; commonly used for the Lord's Chief Dwel-ling. House within his Fee, otherwise called the Capital Mos-form which have bless the Mansion when the capital Mosinge, or chief Manser Place. Manfin, or Manfin, were fome-times used in the same Sense with thise; that is, as much Land as one Plew could till in a Year.

MAN-SLAUGHTER, Homicide, or the unlawful kil-ling a Man, without prepented Malice: As when two, who formerly meant no harm to one another, on fome who termerly meant no narth to cleanoter, of vouchers finded in Cacadon falling out, the one kills the other. It differs from Mancher, as not being done with fore-going Malice; and form Chance-Medley, because it shat a prefent locate to kill: It is citeem d Pelony, but admitted to the Benefit of the Clergy, for the first time. By a Law of King Camena, if a Mans skill'd openly and permedicates of the Change of the Chang the Deceased: But if, on his Tryat, the Fact is proved, but not wilful, the Bifhop is to judge him. MANSORII MUSCULL. See Maffeters.

MANDORII MUSCULI. See Meightert.
MANTELETS, in War, are a kind of moveable Pent-boules, or Farapers made of Piecce of Timber, faw'd into Planks, about three liches thick, and nailed one over ano-ther to the height of almost fits Foot. They are generally sadd with Tin, and fer upon little Wheels 5 of that in a Siege, they may be driven before the Pioneers, and ferve at Blinds to theleter them from the Eaconies (mall Shot. There are also other forts of Mantelets, covered on the top, whereof the Miners make use, to approach the Walls of a whereof the Miners make sig, to approach the Walls of a Town or Callit. It appears from Fegens, that the lever in sig among the Anneaus, but hely were built lighter, many bread, and latent long: They were derived by a double Covering, the core of Barats, the other of Fig-gos, with the Kline O'Gber, and caled without with a contract of the Covering of the Covering of the MANTILE, or Mante-live, in Architecture, is the Dosepar of a Chimney, or that part hald series for Lambay, and which fashian the Compariment of the Chimney, piece, See Tamb.

Jaumos, and which faltans the Compariment of the Chimney-piece. See Jamab.
MANTLE, in Heraldry, is that Appearance of the Felding of Cloth, Floarifling of Drapery, that is in any Atchievement, drawn about the Coat of Arms: It is fuppoled formerly to have been the Representation of a Man sic of State in Blazon; it is always faid to be doubled, that is, lined throughout with one of the Furs, as Ermin,

Pean, Verry, Ge. Sec Coar.

Mantle is likewife a Term ufed in Falconry; as they fay, the Hawk mantles, that is, spreads her Wings after her Legs.

MANUCAPTIO, in Law, a Writ that lies for a Man, who, being taken on Saspicion of Felony, and offering ufficient Bull fur his Appearance, is refar'd to be admitted thereto by the Sheriff, or other having Power to let to

of the Hand

Mainprite.

MANUDUCTOR, a Name given to an antient Officer in the Church, who, from the middle of the Choir where he was placed, gave the Signal to the Choriflers to fing, mark'd the Mealure, but Time, and regulated the Music. The Greeks call'd him Mefaceros, because search in the middle of the Choir. But in the Latin Church, he was call'd Manudustor, from Manus, and dues, I lead; because he led and guided the Cheir by the Motions and Gesture

of the Hand.

MANUFACTURE, a Place where feveral Artifls and
WANUFACTURE, by Place where feveral Artifls and
whose the control of the fame hand of Work; or
proposal sy died for the Wart intel's and by Extendion for
the like Work; carried on independently in different parts
of a Genery. In this feets, we far the Woollen Monard
of a Genery. In this feets, we far the Woollen Monard
of a Genery and the feets, we far the Woollen Monard
of th

at liberty. Some Authors define Manumiffien to be an Act by which a Lord enfranchifes his Tenants, who till that time had been his Vaffals, and in a State of Slavery, in-

confident with the Holine's of our Faith.

confiltent with the Houners or our Faith.

The Remain had feveral Ceremonies in use in the Maramillion of their Slaves. Their Maramillion was perform of
their Slaves. Their Maramillion was perform of
there several Ways. First, When, with his Matter's Consent, a Slave had his Name entered in the Große, or Planthe State of the State of t link, a stave had his Name enter'd in the Compas, or Pub-lic Regifter of the Chitzens. Secondly, When the Slave was led before the Prator, and that Magiftante laid his Wand on his Head. Thirdly, When the Mafter gave the Slave his Freedom by his Tellament. Servint Indian is faid to have first fet on foot the first Manner, and P. Valerin Publicular the fecond. A particular Account is given of the third in the Infiltures of Justinam. It was not necessary, that the Prater should be on his Tribunal to perform the Ceremony of Managing. He did it any where indifferently, in his Haufe, in the Street, going to bath, Es. He laid the Rod, call of Vindelia, on the Slave's Head, pronouncing thefe Words, Dies cam liberam effe mere Quipronouncing tweete words, the cam parties age more con-ritum; I declare him a Freeman after the manner of the Ro-mans. This done, he gave the Rod to the Lietor, who struck the Slave with it on the Head, and afterwards with his Fift on his Face and Back. And the Notary, or Scribe, enter'd the Name of the new-free'd Man in the Register, with the Reasons of his Manumission. The Slave had likewife his Head shaved, and a Cup given him by his Ma-fier, as a Token of Freedom. Ternawas adds, that he had then a third Name given him. If this were so, three Names were not a Token of Nobility, but of Freedom.

The Empetor Confiamine order'd the Manusifton at Rosse
to be perform'd in the Churches. The Word comes from the Latin Manusiffo, quia Serves mittebatur extra Manum, feu potestatem Domini sui. Of Manusifion there have been various Forms in Eng-

land. In the time of the Conqueror, Servants were m mitted, by the Mafter's delivering them by the Right Hand to the Viccount in full Court, shewing them the Door, giving them a Launce and a Sword, and proclaiming them free. Some were also manumitted by Charter. There was also an implicit Manuscofon; as when the Lord made an Obligation for Payment of Money to the Bondman at a

certain Day; or fued him, where he might enter without Suit; and the like. MANURING of Ground, confifts in the Application of a MANUMING of Ground, contitis in the Application of a Matter proper for melionizing the Soil, and reconfig it more ferrile. The Matters if Gel for Momer, are various in various Countries. The moth ordinary are Lime and Mart, which for suffer this proper Articles. In fonce parts of Federal, they talk See-Shells, a studie of Gockles, Perivaintles, Ge, which are found to agree very well with beggy. heathy, clavys, wer or third Land. They form to give it a kind of Ferment, so some Landa. I ney feem to give it a kind of Ferment, se Barm does to Bread, opening and landsoing the Clock, and by that means making way for the Roots to penetrate, and the Moliflare to enter into the Fibres of the Roots: This kind of Manare continues a long time of ear trate, and the Moilluce to enter into the Fibres of the Roots: This kind of Mourae continues a long time e'er its Effects are exbaufted, whereas Lime, Ge. tpend them-felves at none. The Shells being hard, molt saws very flowly, for that the Operation needs not be repeated for 12 or 50 Years. In the Weft of England, they manuse their Land with a brackiff Sea-Sand; which Dr. Rwy observes, quickens Dead-Land; so othat what would otherwise be quickeus Dead-Land: So that what would otherwife be the barrecord part of that Cooutry, is now the richelt. The Sea-Salt, he obferves, is too lefty and active of irieff, and that it does beti when mingled with Lime. Glauber orders the Mixture to be made up and burnt like Bricks, and then applyd. In Gone Countries they burn the Surface of their heathy Ground, inflicted of mamering it; which is observes, that at the Ground about Nastrance, where Sate or Brine is figlit, is, when dug up, an excellent Massare for grazing Ground; and even Bricks, theroughly tinged with it, diffolies and fertilize the Land very confiderably. Dr. Peed fays, it is common Observation of Gardeness and skilful Husbandmen, that Froit and Snow Gardeines and stilled Husbandmen, that Froil and Successive management of the most facelity and management of the still the st

velly Manures.

MANUSCRIPT, a Book, or Paper, written with the Hand; in opposition to a printed Book, or Paper. A Ma-susfeript is usually defiged by the two Letters MS, and in the Planat by MSS, or MMSS. What makes public Li-braries valuable, is the Number of antient MSS reposited

MANWORTH, in old Law-Books, is the Price or Value of a Man's Head: every Man, according to his de-gree, being rated at a certain Price 5 according to which, Satisfaction, in old time, was made to his Lord, if any one kill'd him.

one kill'd him.

MANZEL. See Carwanferail.

MAP, a plain Figure, repreferring the feveral Parts of
the Surface of the Rarth, according to the Laws of Perfpective: or a Projection of the Surface of the Globe, or a
part thereof, in planes. See Projection.

Maps are cither universal, or particular. Universal Maps

And Company of the Parth.

are thefe which exhibit the whole Surface of the Earth, or the two Hemilpheres. Particular Maps are thefe which exhibit fome particular Region, or part thereof. Each

kind are frequently call'd Geographical or Land-Maps, in contra-diffinction to Hydrographical or Sea-Maps, repre-fenting only the Seas and Sea-Coaffs, properly call'd Charts. See Chart.

There are three Qualifications required in a Map. First, There are rates Qualineations required in a Map. First, That all Places have their juid Slination with regard to the chief Circles of the Earth, as the Equation, Penalle, Ministans, &c. became on their depend many Properties of Regium, as well as Celeffial Photometria. Secondly, That the Magnitudes of the Inversal Countries have the fame Proportion as on the Surface of the Harth. All Thirdly, That the Geveral Places have the fame Dillarce Thirdly, That the Geveral Places have the fame Dillarce and Situation with regard to each other, as on the Earth

itleft.
For the Foundation of Maps, and the Laws of Projellion, for Pelipellion and Projellion of the Sphere: The Application of the Sphere: The Application of the Application of Maps, is as follows.
Projellion of a Map, the Eye being placed in the John.
Suppole, w.g. the Northern Henrighteer to be repeticated with the Eye in a Point of the Axis, w.g., the South-Poles for the Plane, whereou the Repredentation is to be made, we she Plane, whereon the Reprefentation is to be made, we take the Plane of the Equater, and from all the Pointies of the Surface of the Northern Henriphere, conceive Lines pathing than the Plane to the Eye which Point connected together, conflittute the May required. Here the Equator will be the Limit of the Point, the Centre. The Merchians with the Point, the Centre. The Merchians with the Point Lines pathing from the Point or the Equator will be Reliable Lines pathing from the Point or the Equator will be Talled of Latinate, (Eff. Criter of the Pointies of Latinate, (Eff. Criter of Latinate and Pointies of Latinate (Eff. Criter of Latinate and Pointies of Latinate (Eff. Criter of Latinate and Latinate (Eff. Criter of Latinate and Latina And the second of the second o

drawn to the beginning of the first Degree, we suppose the

6rd Meridia.

Now for the Parallels. There are four Quadrants of the Equator; the first, αρφ1 the feeed, αρχ2 is the third, αρφ2 the feeed, αρχ2 is the third, αρφ2 the feeed, αρχ2 is the the cent difficulty of the control of the feet of the fee first Meridian. and Parallels thus described, from a Table of Longi-undes and Latitudes, lay down the Places, exclosing the Longitude of each Place on the Equator, commonsing at the first Marcilan, and proceeding to the Meridian of the Place 3 and for the Latitude of the Place, challing a Parallel of the Same Latitude : the Point where this Meridian and Parallel interfect, reportents the Place: And in the Same manner all the other Places may be deter-

indicated forms measure all this other Braces may be determined will the hype be complexe.

For the Ecliptic, half of which comes in this Hemi-fighers; we have dedirect, do at it makes an Elliptic, to a first proper to the first proper to the first proper to the first proper to the first principle of the first principle of the Ecliptic can the Squareq, which is therefore dillinguist? In Microlian can the Equator, which is therefore dillinguist? In Microlian can the Equator, which is therefore dillinguist? In Microlian can the expension of Principle of Princi nave inrec conts of the Ecliptic determined 3 for the reil, vize, for 1°, and 15° of Tasens, 1° and 15° of Gemini, 1° of Leo, 1° of Firgs, the Declinations of those Points from the Equator must be taken from a Table, and let off in

the Equator must be taken from a Table, and let off in the May. See Declination, Sec.

Thus where the Meridian of 15°, cuts the Parallel of 5°, that Point will be 15°, of Aries. Where the Meri-dian 2°, cuts the Parallel, 11°, it will be the fift Degree of Tawas, and so of the rest. These Points being all

join'd by a Curve Line, will be a Portion of an Ellipfis

joind by a Carve Line, will be a Partine or an Ellippir respecienting the Explicit, and the Art Qualification in May of the Projection in the foreign Line States to the property of the Projection in the foreign Line States in general Garden in a supercast search to Equature. For the third, they are fill if harsher our. By this Meshod may almust the whole Earth be represented in one May and the whole Earth he represented in one May to the Plane of Projection that of fome Circle carris, "y, the Assatziff Circle. Nothing is here required be-died the former Projection is but no continue the Merdian, and the Circle Control of the Control of the Merdian, when the Circle Control of the Control of the Circle Control of the Circle Control of the Control of the Circle Control of the Merdian Circle Control of the pleat the Ecliptick; but this differts too much for

This Projection is of all others the cafieft; but that, where the Eye is placed in the Plane of the Equator, is preferr'd for use. Tis, in effect, of the latter kind that Maps are ordinarily made. The former are added to com, in family have a County of the control of the county of in fmall, by way of Supplement, to represent the inter-mediate Spaces left between the two Hemispheres. Farmediate Spaces left between the two Hemifipheres. Far-ther, as the Situation of the Ecliptic, with regard to the Earth, is continually changing, fittelly speaking, it has no Place in the Earth's Surface, but is udde to be repre-ferned according to its Sinsation form certain Moment; vis. Io as the beginning of Aier and Libra may be in the Interfections of the first Meridian and Equator.

The Projettion of Maps, with the Eye in the Plane of the Equator. This Method of Projectioe, the more difficult, it is yet much juffer, more natural and commodious, than the former. To conceive it, we fuppose the Surface of the Earth cut in two Hemilipheres by the engire Periphery of the first Meridian, each of which Hemilpheres we re-prefern in a diffined Map. The Eye is placed in the Foint of the Equator yo<sup>2</sup> distant from the first Meridian 3, and for the transparent Plane, wherein the Repreferation is to be, we take the Plane of the first Meridian. In this Probe, we make the Plane of the helt Meridian. In this Pro-jection, the Equator is a Right Line, and the Meridian 90° diffant from the first, is also a right Line; but the other Meridians, and all the Parallele of the Equator, are Arches of Circles, and the Ecliptic an Elliptia.

The Method is thus. From a Point E, as a Centre, (Fig. 3.) deferibe a Circle according to the intended Bignels of the Map. This reprefents the first Meridian, and its oppothe  $\lambda dp$ . This repretents the first Macridian, and its oppositively for disregard the Macridian, the concept of the the concept of the the concept of the control of the the Control of is the Equator. Divide the Quadrants AB, BC, CD, DA, each into 90 Degrees; and to find the Arches of the Meridians and Parallels, proceed thus. Divide the Equa-Meridians and Farallets, proceed thus. Livide the aqua-tor into its Degrees, viz. 1820. (as being indeed only half the Equator 3) thro' these sor Carlot Divisions, and the two Poles, describe Arches of Circles, representing Meridians, as 8 1 D, B 2 D, 82c. How to find Centres for describing those Arches, see under the Word Circle. Indeed, the Operation will be both more caffy and accurate, if performed by a Canon of Tangents. To deferibe the Parallels, the ention will be both more eafly and accounts, if performed by a Camo of Tangeans. To deterfine the Partilles, the Merchian D 2 must be in like moment divided into its Dis-relation of the Cambridge of the Cambridge of the replacing Dividings of the Quadratas, 48 f. g. de, declined Arches of Greles. Thus final we have Partilles of all Degrees, with Topica, Palars and Merchians. As for the over the Earth may either be facth, as that its interfection with the Boatter may bewere the Heave, in which Cafe, the Projection of in Secul Circles, from the full Degree of the chermined by numbering as "2" of Frond A towards. be determined by numbering 25° 50' from A towards
B, and from the Extreme of that Numeration, drawing a
Diameter thro' E; this Line will be half the Ecliptic in this Situation, and may be divided, as before, into Degrees, to which the Numbers, Signs, &c. are to be affix'd. But to which the Numbers, Signs, Us. are to be amx. a. But if the Ecliptic be for placed, as that its Interfection with the Equator is over the Placed, in the first Meridian, its Projection in that Cafe will be a Segment of an Ellipfis; a whereof two of the Points are ACs a third that, wherein whereof two of the Foints are 20.5 a third that wherein the Meridian 90 cuts the Tropic of Cancer. The other Points must be determin'd in the manner laid down above, viz. by taking the Declinations and right Afcentions of 15° of Aries, 10 of Tawas, 150 of Gemin, &c. For where the Parallels, according to their feveral Dogrees of Declinaof Ariet, at of amend, property of Arieties, and the Arieties and Arieties, and the Arieties and Arieties, and the Arieties and Arieties, and Arieties and Arieties, and Ariet Ascentions, those Points of Interfection are the Points of the 150 of Asies, &c. A curve Line therefore being drawn, these will give the Projection of the Ecliptic. Nothing now remains to complex the Map, but to take the Longitudes and Latitudes of Places from a Table 3 and

to fet them off on the Map, as was directed under the former Method. In this Projection the whole Surface of the Earth

from the Folc and from the Equator, almost the Jame as they are on the Zernit. In factors removal, being the greater as the Degrees of the Equator anequal, being the greater as the Degree of the Reafon causal. Then to of the Earth are represented unequal; which Defect may be infome mea-tine remedyl dy removing the Exp far from the Earth. Lattly, the Distances of Piaces, and Situation with re-taining the Earth are the Earth are the Earth are this Proceedings, resumed to well determined in Motor of this Proceedings, resumed to well determined in Motor of

gard to each other, cannot to well ottermine in Namyo or his Frojellon. Plane of the Horizon, or wherein any given Place final be the Centre, or Middle. Suppose, for inflance, its defired to have London the Centre of the May. Its Latitude we'll suppose to be 51° 2, 35 Min. The Speak placed in the Nadir. The transparent Table is the Deep in Placed in the Nadir. The transparent Table is the first of the Horizon, or from other Plane, if its de-Plane of the represent more than an Hemisphere. Take fired to represent more than an Hemisphere. Take then the Point E (Fig. 4.) for London, and from this, as a Centre, describe the Circle A BCD to represent the one mer four E. (1982.) Par Linden, and Irom this, as the Comparison of the Comparis

vol. 99 and 99, 88 and 88, Use, about more, as Diameters, deferible Circles, which will reprefer Parallela, or Circles of Latitude, with the Equator, Tropics, and Polar Circles. For the Meridians, first deferible a Circle thro the three Polints A, P.C. This will reprefer the Meridian 90 deg. from London. Let its Centre be M in BD (continued to 1.4. Which M which expressions he South Pale) PM being from London. Let its Centre be M in BD (continued to the Point N, which reprefents the South Polo ) PN being the Diameter, thro M draw a Parallel to AC, vic. FH, continued each Way to K and L. Divide the Gircle PHNF into 560 deg, and from the Point P draw right Lines to the feveral Degrees, cutting KFHL thro the feveral Points of Interection, and the two Polos P, N, as the Control of the Polos Action Control of the Polos P, N, as the Control of the Polos Action Control of the Polos P, N, as feveral Points of Interfeltion, and the two Polec P, N, as two three given Points, defends officets reprefering all will be in the farm & LL, as being the fame, that are will be in the fame & LL, as being the fame, that are found by the foreon Interfeltion is but are to be taken with this Castion, that for the Meridian next BD N no-thing the property of the property of the policy of the adjustment of the property of the property of the adjustment of the property of the and Latitude thus drawn, infert the Places from a Table as before directled.

as before directed.

Privillins of Maps on the Plane of the Maridam. This Projection is taught by Privillens, and recommended by him as prope for that part of the Earth inch known. In this was present that part of the Earth inch known. In Maridam, Arches of Ellipfes; the Eye kinging one the Plane of that Meridian which paties over the middle of the inhabited World. But in regard the Defeription of the finds of the Meridian which paties, and because this Method Germs only calculated for a part of the Earth is rim not now adult.

There is a fecond Method fomething a-kin to it, which reprefents the Circles of Latitude by right Lines, and the Meridians by Arches of Ellipfes; as must be the Cafe, if Lines be conceived to fall from the feveral Points of each Lines be conceived to still from the leveral routes of each Hemisphere, perpendicularly on the Plane of the first Meridian, and the Eye be supposed at an infinite distance from the Earth 5 to that all the Rays emitted from the Places of the Earth to it, may be accounted Parallels as well as Perpendiculars to the Plane of the first Meri-

dian. Relilinear Maps, those wherein both the Meridians and Parallels are represented by right Lines, which by the Laws of Perspective is impedible; in regard there can no such Polition be affigred the Eye and the Plane, as that the Circles both of Longitude and Latitude shall be right

may be represented in one holy; if instead of the Plane of Lines. In the first Method hald down, the Medidines are the first Meridian, form coher Plane parallel on it, but very night Lines, but the Parallels or Gordes. In the first, he may be come the New, be thinn, is but you income to easily the Plane of the Plane tion, to facilitate the Estimation of the Ship's Way. See

Confirmation of particular or special Maps,
Particular Maps of Large Traits, as Europe, Afia, Africa,
and America, are projected after the same Manner as General ones; only let it be observed, that for different Parts, different Methods be chosen. Afrea and morres.

neral ones; only let it be observed, that for different Parts, different Methods to choice. Affins and America, Parts different Methods to the control of the not be conveniently projected by the first Method, that much better by the Second. Europe and Affa are most conveniently represented by the third's and the polar conveniently represented by the third's and the polar projection of the project of the project of the project of To begin then, drive a right Line on your Finne or Pa-per, for the Meridian of the Place over which the Pye is conceived us having, and drived is mno Degreen, as below,

conceived to nang, and curede it into Degrees, as neture, which will be Degrees of Latitude. Then from the Tables take the Latitude of the two Parallels, which terminate cach Extreme. The Degrees of thefe Latitudes are to be noted in the Meridian; and thro them draw Perpendiculars, bounding the May towards North and South. This done, Meridians and Parallels are to be drawn to This done, Meridians and Parallels are to be grawn to the feveral Degrees, and the Places to be inferted, till the Map is compleat.

Morphic complexe.

Zeroulard Morphic Transcent to Morphic finallice Parameter Morphic General Parameter General Parame other ferpendicular, or a ransiet to the Line at bottom, in which are to be as many Degrees of Longitude, as in the lower Line, and thefe, too, equal to those other, unless the Latitudes happen to be remote from each other, or from the Equator. East if the lowest Parallel be at a confiderable diffance from the Equinocitial, or if the a contiderable currance from the Equinoctial, or it the Latitude of the Northern Limit go much beyond that of the Southern; the Parts or Degrees of the upper Line must not be equal to those of the lower, but lefs, according to the Proportion which a Degree of the more Northern Parallel, has to a Degree of the more Southern: Which

Parallel, has to a Degree of the more Southern: Which for, as before, onder the word Drazufe, both on the upper and lower lies, for the Degrees of Longitude, Lander Paras have been than determined, and end of the fame Namber, which Line: recognising and end of the fame Namber, which Line: recognise and end of the fame Namber, which Line: recognise and end then, show the Createl Degrees of the Perpudicular ex-cessed on the middle of the first transferric Line, draw Lines parallel to that rendered Line. This will reperfect breather of Lindace. Laftly, at the Poster wherein the care, infort the Paras from a Table, as before stated-on-

Mericians of Longitude and the Farallels of Latitode con-cut, infort the Places from a Table, as before directed. For Maps of Prosince, or small Tracts, as Parishes, Mannors, Sc. we ale another Method, more sure and accurate than any of the former. In this, the Angles of Postion, or the Bearings of the Gereral Places, with re-gard to no exorder as december 1. gard to one another, are determin'd by proper Inflru-ments, and transferr'd to Paper. This conflictutes an Art

point to the desired, the determined by proper justices and an experience of the property of t

MARASMUS, in Medicine; an extreme Macies or Confumption of the whole Body. A Hectic Fever usual

Confumption of the whole Body. A Incess Fever unsal-pproduces a Marmismar. The word is Greek, being de-rived from the Verb pagasine, to majite, See Consumerion, MARAVEDIS, a little Spanife Copper Coin, worth formewhat more than a French Denier. The Spanieral at ways count by Marmachi, both in Commerce, their Fi-rances, Ge, the the Coin Held has but little Courfe among them. 63 Marseeds are equivalent to a Real of Silver: fo that the Piaster, or Piece of Eight Real, costains 504, and a Pittoles of 4 Pieces of Eight, 2016 Maraveda. See Coin and Money. This Smallnels of the Coin produces with Numbers in the Spanish Accounts and Calculations; infomuch that a Stranger or Correspondent would think himfelf indebted several Millions for a Commodity, that costs but a few Pounds. In the Laws of Spain, we meet with feveral Kinds of Mararedis; Alphanfine Maravedis, White Maravedis, Marapedis of Goad Money, Marapedis Combremos, Black Mara-wedis, Old Marapedis. When we find Marapedis alone, and without any Addition, it is to be understood of those menwithout above. The reft were different in Value, Finenefs of Metal, Time, &c. Mariana afforts, that this Coin is older than the Moors, that it came from the Gaths, and

was worth ten Densrii in the time of the Romans.

The Word is Arable, and took its Rife from the Americaides Moors, who patting out of Arica into Spain, impofed their own Name on this Coin, which by Carruption was afterwards changed into Marseeds. Mention is made of ir in the Decretals, as well as other Latin Writers, under

the Name of Marabitin

MARBLE, a Kind of Stone, extremely hard, firm and folid, dug out of Pits or Quarries: It takes a beautiful Polith, cuts very hardly, and is much ofed in Ornaments of fine Buildings, as Columns, Altars, Statues, &c. There are an infinite Number of different Kieds of Marble, ufually denominated either from their Colour, their Country, or their Defects; fome are of one fimple Culour, as white or black, others fireak'd or variegated with Stains, white or black, others fireak d or varsegated with Stains, Clouds, Warez, Veins, ¿G. All Marbler are opake, ex-cepting the white, which, when cut into this Slices, be-cumes transparent. They are also different in Weight and Hardneis, and are to be confidered with regard to their Colour, their Country, their Grain, and their De-

Under the Genus of Marble are comprehended Purphyry, which is the hardest, and which was antiently brought from Namida in Africa; the most beautiful is that, whose Red is the most vivid, and the Stains the whitest and the fmallest. See Powertant. The Surpentine, which is a greenith brown, so call'd, because figur'd with little Stains. It is form'd of a great Number of Grains of Sand condens'd ; it is of various Kinds, viz. Egyptian, Italian, Violet, and G. See GRANATE and SERFENTINE. Sajars, of which there are various Kinds, the Antient, the Florid, the Black, White, Eff. See JASFER. Albajeler, of which there are various Kinds, both White and Variegated. They are all foff when taken out of the Quarry, but harden in the Air. dem. By Antient we mean thofe, whose Quarties are lost or inaccessible to us, and whereof we have only some Fieces remaining. The Modern are those, whose Quarties are fill open, and out of which Blocks continue to be dug.

sini open, and out of which Blocks continue to be dag.
Marble densiminated from their Constricts.
African Marble is either of a reddiffi Brown, fireak'd
with Veins of White, or of a Carnation, with Veins of
Green. Englis White Marble is vein'd with Red. Marble of According to the Color of th is filed, veird with White. Market of Bright in Inds., is Yellow with Sport of White. Market Phenuceli, immi-giced with Brile Shades of placella, Yellow, Fale and Gray, It counts from Traini in Janu, where it is day one of an Democratic day near Advisorphic. Market of Garreny, on the Control Gross, in very white, and the first of all others, for World of Sculpture. Market of Compages, refermbles, the passently, begin mix of with botte in round Strias like. Partradges Liyes. Cystolow, we Cystolo Market, in of Sec-ercy and the Control of Control of Sculpture. green Colour, mix'd with large Waves or Grouss of wine or pale green. Someona's takes this to be the fame with that which rhe Antients call'd Sognfam & Televine Mar-sers; because discovered in Egyps in the Times of the Emperous Sognfar and Therine. Marbe of Disam, near are a because different in Egyp' in the Times of the Emperous August and Waterian Mortle of Dissan, near Leggy, is of a pure black, very betatiful, and very common. Markle of Goodnerly, next Dissan, in of a redding Dissan, with white Spans and white the control of the Companion of the Companion

Morke of Morgels, in the Mokarea, has a white Ground with brownill Visine, refembling the Golour of Irone, Raft. This is very common, and extremely hard. Mosle of Veine of white, steep is mader. Raft of it red, with Veine of a duty white. Morke of Momer is Black, like the Veine of the Common is black, like the long, and travered with limit Servate of gray. This is very common, and is frequently seful in Parting. Perias Morke is Amstern, it can be a distributed in Authors, it is a very common, and is frequently seful in Parting. Perias Morke is Amstern, it can make the leavest of gray. This is very common, and is frequently seful in Parting. Perias Morke is Amstern, and much celebrates of gray. This is very common, and is frequently seful in Parting. Perias Morke is Amstern and when the Common in the Com Marble of Margafe, in the Milaneze, has a white Ground Carriera. Marble of Rarriee, to Haineadt, is of a dirty red, mix'd with blue and white Clouds and Veins: this is pretty common, but is different in Beauty. Marble of Savey, is a deep red mix'd with other Colours; each Fiece whereof feems camented on to the reft. Marble of Swily is a brownish red, flain'd with obloog Squares of White and Ifabels, like fitting of Taffeta's. The Amenten has very vivid Colours, and the Modern comes pretty near it. Mar-ble of Systam, in the Pyreneaus, is ordinately of a greenish brown, with red Stains; the this is somewhat various in

brown, with red Stains ; the this is formewhat without in its Cologor. Morello of Time, near Mome is Lings; in part to the cologor of the cologor of the cologor of the Mole Byp New, or blackgrey, is surious. White-ten white Greated, it comes from Garrens. Whitether, the part of the cologor of the Stains were on a white Greated. It comes from Garrens. Whitether, her just deep out of the Pyrocense on the file of Raymer, is inferior to that of Corners, in Grains being larger, and the part of the Cologor of the Cologor of the Cologor, in the Cologor of the Cologor of the Cologor of the mode, but it not fo hard or beautiful. Anison Made and long it is divided between a pure white and a beight black in Flates. New Topin Models, is mixed with a Model End of Poples, comes from their, conflict of tread and Model End of Poples, comes from their, conflict of tread and sarly sind of White, and comic from the Casts of Casts, and of White, and comic from the Casts of Casts. White Stains, formath yellowill, 2000 Models, is a land of yellow Models as the Models of the Models of Yellow Models and the Models of Yellow Models of the Models of Yellow Models of the Models of Yellow Models of the Models of Yellow and the White Models of Yellow and the White Models of Yellow and the White Models of Yellow Models of Yellow and Yellow Models of Yellow Mod Marble Fier di Perfica, comes from Italy, confifts of red and

Geroa ; it is a deep Green spotted with Grey.
Marble denominated from its Defells.

bourble determinated from its Defelts.

Regid Marble, that which, being too hard, works with
difficulty, and is liable to fainter, as the Black of Nomer.

Thready Marble, is that full of Threads or Filaments.

Brittle Marble, is that which crombles under the Influences, as the white Greek Marble, that of the Progressian,

&c. Terms Marble, that with for Flaces in its, which multi-

Sec. Iterral Markle, that with felt Places in it, which multi-be filled up with Coment, as that of Languedee.

The besides of the Coment, as that of Languedee.

most the Difficulty of cutting and polithing them. The
coc, what they fornetimes call Nails, and seeing to the
Koots in Woods the other, call'd Emeril, is a Mixture of
Copper or other Meralt, making black Stains in the
Markle. The Knoss are common to all Markle, the Emeril colly in the white. The Markle States Bulk. Bulk.

The Stuck whereof they make Statues, Buffs, Baffo-Re-The Stuck whereof they make Statues, Buth, Beffu-Re-levos, and other Ornaments of Archiedexee, is only Marble palverie<sup>1</sup>d, mix d in a certain Proportion with Plaifer; i the whole well fifted, work'd up with Water, and uied like common Plaitler. There is allo a kind of artificial Mar-sle, made of Oxyfmu, or a rannfaprared Stone, refembling Marles which becomes very hard, receives a tolerable Politin, and may deceive the Eye. There is a fole a kind of artificial Maride form'd by carrofive Tinctures, which of artificial Matthe form'd by for the driver Instructs, which representating into white Marky, to the driver the first intensity and the state of the artificial state is various Colours of other Market. Poliffed Morbita that which, being well rubb'd with Free-floone, and afterwards with Pumice-floone, is at last polified with Enercy, if the Market be of feveral Colours, and with Tin, if it be white. In Italy they polish with a Piece of Lead and Emery.

There are various Ways of polifhing Marble. Some lay There are various Ways of polithing Markle. Some lay these or bown Blockins in a Rows, and wain another, field to meet the Markle and Rows, and was a first which, and the should have been been as the should have been been as the should have been

taken out. The word tourner control to fine.

To marble, is to paint, or dispose Colours in such a manner, as that they may represent Maible. Thus we marble Paper, Wood, &c.
MARBLED, fomerhing refembling Marble:

marbled Paper, v.g. is a Paper fixin'd with various Clouds and Shades, refembling, in fome measure, the various Veins of Marble; the Method whereof, fee under PA-MARBLING OF BOOKS, among Binders, the fprink-

ling over the Corec of a Book with Black, by means of a black Penal first, gently against the Friger, or on a Stick held for the purpole. Murling is not saids, except for Book bound in Calfy start is shiftly, the Corec is gueed our with beaten Whiterof Eggs, then finosolid gueed our with beaten Whiterof Eggs, then finosolid Penal Penal Penal Penal Penal Penal Penal Eggs, but in this Murling there is so Black saids is liea therefor, red, blue, ifc. See Bone, Bissuiso. MARC, with MKR, a Weight tedfor in forward States of Europe, and for feveral Commodities, especially Gold and Silver in France. The Mure is divided into Science, or & Silver in France. ng over the Cover of a Book with Black, by means of a

Drachms, or 192 Deniers or Penny-weights, or 160 Efferlins, Drachms, or 192 Deniers or Penny-weignithor 100 American, or 300 Mailles, or 640 Felins, or 460 Felinson, Inhabitand, the Mare Weight is allo call'd Troy-Weight, and is equal to that of France. When Gold and Silver are fold by the Mare, it is divided into 24 Caracks, the Carack into 8 Pennyinto 24 Primes. See Caracr.

ming as Primes. See Caract.

MARK is also used among us for a Money of Account 5
and in some other Countries for a Coin: The English Mark and in tome other Countries for a Count and Largey of the street Thirds of a Pound Sterling, or 13 s. 4.d. and Marstewn Farst observes, it was of the same Value in 1194. The antient Saxons call'd the Mark, Mancos, Mancos, and More 5 among them it was equivalent to thirty Pence, i.e. to fix Shillings. The Mark-Lobs, used at Homelows, is also a Money of Account, equal to one Third of the Rixdollar, or to the French Love Transon. Each Mark is divided into or to the Prents Love Trarrow. Each Mark is divided into fixteen Soll-Lob. Mark Lable, or Danfel, is alfo a Danfel, is alfo a Danfel, is alfo a Danfel, is alfo a Danfel of Soll-Royal Danfel of Soll-

Roufling, and each Roufling into two Affectures. The Statesh Solver Mark is a Money of Account, equal to three Copper Marks, tho fome make it a real Coin. MARCASSITE; a Merallic Mineral, making, as it were, the Seed or first Matter of Metals. On this Principle, there should be as many different Marcostres as Me-tals, which is true in effect 3 the Name being apply'd to every Mineral Body that has Metallic Particles in its Comevery Missent Body that has Merallic Particles in its Com-position. There are only three Kirolis (in the Shops, six-position and the Composition of the Composition Marcafie of Copper is about the bignets of a small Apple, round or oblong, brown without, yellow and crystallice within, brillant and thining. Marcafier are found in Mines of Metal; they contain a great deal of Virticilic Salt, effecially that of Copper. Some only site the word Mar-cafier for Bimah. The Word is originally admit. MARCELLIANISM, the Doftme and Opinions of the

Marcellians, a Sect of antient Heretics ; fo call'd from Mar ection of Anewa, their Leader, who was accused of reviving the Errors of Sabellian. Some, however, are of opinion, he was Orthodox, and that it was his Ecemies the Arians, was orthodox, and that it was his betteres the Arian; who father'd their Errors upon him. St. Epiphanius obferves, that there was a great deal of Difpute with regard to the real Teners of Marcellar; but that as to his Followers, 'tis evident they did not own the three Hypoffafes: fo that Marcellanifus is no imaginate Herefy

lowers, 'tis evident they did not own the three Hypothales: fo that Marcellanifin is no imaginary Herefy.

MARCGRAVE, a kind of Dignity in Germany, and weing to our Marquifs. The Word is derived from the German Marche or Mark, which fignifies a Frontier; the

Margeraces being originally Governors of Cities lying on the Frontiers of any State.

MARCH, the third Month of the Year, according to

MARCH, the third Month of the Lett, according to the common way of comparing. Among the Romer is was the first, and in some Ecclestalistal Computations, that Order is full preferred a sparticularly in rectioning the Number of Years from the locateation of our Savious, that is, from the 25th of March. In England however, properly speaking, March is the first Mount in Order; the new Year commencing from the 25th, tho, in complainance to the Customs of our Neighbours, we usually rank sace to the Customs of our Neighbours, we utually rank it as the third: but in this respect, we speak one way, and write acother. Till the Year 1564, the French re-ken'd rhe beginning of their Year from Eager; so that there were two blunchs of March in one Year, one of which they call'd March before Eafter, and the other March after Eafter. When Eafter fell within the Month of March, the beginning of the Month was in one Year, and the end in another.

It was Ramulus who divided the Year into twelve Months; to the first of which he gave the Name of his supposed Father Mors. Oxid, however, observes, that the cople of Italy had the Month of March before Romalus's People of Italy had the Month of March better Remetals, armine; but that they placed it very differently, come making it the 3d, some the 4th, some the 5th, and others the 10th Month it was that the Remain scripted to Anna Perenna, that they begun the Remain scripted to Anna Perenna, that they begun their Comities, that they adjudg'd their public Farms and Leafes; that the Women ferred the Slaves and Servants Leafes; that the Women served the obseves and Servanes are Table, as the Men did in the Satur-alia; and that the Veilals renewed the Sacred Fire. The Month of March was under the Protection of Marcha, and always confilted of 31 Days. The Autients theil in an unbarpy Month for G 31 Days. The Autients theil in an unbarpy Month for Marriage, as well as the Month of May.

MARCHET; a pecuniary Fine antiently paid by the Teact to his Lord, for the Marriage of one of the Tenant's Daughters. This Cuftom obtain'd, with fome d'ifference, throughout all England and Wales, as also in Scotland, and ununguous au Empland and Walte, as allo in Seeland, and fill continues to obtain in Gome places. According to the Cultom of the Manner of Dinover in Carmarthenflire, every Tenan, at the Marriage of his Daughter, pays ten Shil-lings to the Lord's which, in the Prints Language, is call'd Gwale-Merched, i.e. Mail's Fee.

In Sections, and the North Parts of England, the com-mon Custom was, for the Lord to lie the first Night with the Bride of his Tenant: But this Custom was abrogated by King Malcolm III. at the Inflance of his Queen; and iftead thereof, a Matk was paid by the Bridegroom to be Lord. Whence 'tis call'd Marebeta Mulieris,

MARCIONITES, the Name of a very antient and opular Sect in the Church. In the Time of St. Epoplapopular Sect in the Charch. In the time of st. appear-nant, they were fyread over largh, Egypt, Pallifure, Syria, Araba, Perfia, and other Countries. Marcian, their Au-ther, was of Penns, the Son of a Bilitop, and at first made profession of the Monastical Life; but baving had a criminal Affair with a Maid, was excommunicated by his own Father, who would sever admit him again into

by his own Futher, who would never admit him signic into the Communison of the Church, not be recent an its Repeature. On this be absadeed his own Country, and re-tried to Swers, where he began to hence his Destines, the country of the Church of Lindon of Jefas Chrift, and held them to be all appeared nily. He tangle two Christic Ore, who had been fren by an analysis of the Church of the Chu True. He deny'd the Refurerelim of the Body, and allow'd note to be hapting, the thick who preferred thick
Continence; but the's be granted might be beyting
three times. In many things he follow'd the Sentiment,
of the Heretic Crofm, and rejected the Law and the
Prophets. He presented the Gofpel hab been corrupted
by falls Prophets, and allow'd note of the Evrangelish
but E. Leke, when he altered in many places, as well as
the desired of the True of the Crofm of the Crofm
to the Crofm of the Crofm of the Crofm of the Crofm
to the Crofm of the Crofm of the Crofm of the Crofm
to the Crofm of the Crofm of the Crofm of the Crofm
to the Crofm of the eters entire

two first Chapters centre.

MARCITES, a Sect of Heretics in the second Censury,
who also call'd themselves the Perfell, and made profetfion of doing every thing with a great deal of Liberty,
and without any Fear. This Doctrine they borrow'd from
Sonan Magn, who, however, was not their Chief; for they
they were call'd Morrier from one Margn, who construct
the Friethbood, and the Administration of the Sacramous,

MARCOSSIANS, the Name of an antient Sect in Religion, making a Branch of the Graffies. St. Irenens speaks at large of the Leader of this Sect, Morens, who, it seems, was reputed a great Magician. He relates feveral things touching the Prayers and Invocation of the actient Gnofiles, the antient Jersey Gabala on the Letters of the Alphabet, and their Properties, as well as on the Mysicries of Numbers, which the Jews and Großies had borrow'd from the Philofophy of Plate and Pythagoras. Marcus was an Experian, and there it was he became acquainted with Magic. To and there it was he became acquainted with Magic. To impost more easily on his Followers, he made also of cer-tain Islaws, or rather childe Words, much need by the comment of Agrouphy and the comment of the con-nical, and of the fame Authority with coars. Out of thefe they pick'd fervised idle Eshels, rouching the Infancy of Jesus Christ, which they put off for true Hillories. Missay North March 1998 and the Christian Christian Christian Christian North Laboratory and the Christian Christian Christian Christian Christian North Laboratory and the Christian Christian Christian Christian Christian North Laboratory and Christian Christian Christian Christian Christian North Laboratory and Christian Christian

MARGARITÆ. See PEARLS.

MARA, in Marca of Commerce and Mamufadure y a cortial Character flruck or imprefit do various Kinds of Commodities, either in flow the Piles where he've vere Commodities, either in flow the Piles where he've vere Commodities, either in flow the Piles where he've view'd and examin'd by the Officers or Magifiltars charged with the Infection of that Mamufadure's registry sequitives. Thus are Chosh, Lexthere, Cotlery-Ware, Paper, Piles Weight, Mediters, Ge. mark'd.
MARK it also a particular Signs or Character, Josoph Marca, Paper, Piles Weight, Mediters, Ge. mark'd.
MARK it also a particular Sign or Character, Josoph Marca, Paper, Piles Marks, otherwise call'd Namero's, are taken searches to the Piles it cold bins. The Marks, otherwise call'd Namero's, are taken searching to the Farsy of those that of learning to the Piles of the Marks, otherwise call'd Namero's, are taken searching to the Farsy of those that of learning to the Piles of the Marks, otherwise call'd Namero's, are taken searching to the Farsy of those that of learning to the Piles to the Piles it cold bins. These Marks, otherwise call'd Namero's, are taken searching to the Farsy of those that of learning to the Piles it cold bins. These Marks, otherwise call'd Namero's, are taken searching to the Farsy of those that of learning to the Piles it cold bins. These Marks, otherwise call of the Piles it cold bins. These marks are the piles of the Piles it cold bins. The Marks are the Piles it cold

### AIBICIDIE IFIGIHIII KILIM 0111213141316171819110120

One Example will give the whole Use of this Table. Suppose, v. g. I would put on a Piece of Stuff, that it cott 37 x. 6 d. per Ell. I put an M for 20x an L for 10x an H for 7x and a G for 6d. So that the foveral Letters wrote H for j. and a G for 6.6. So that the teveral Letters worse after each other (obferving always to feparate Shillings from Pounds and from Pence by Points, will make this Mark M.L.H.G equal to 371. 6.4. Note, the Mark may be divertified infinitely, by adding other Figures to the

Letters in lieu of thefe.

Letters in lieu of thele.

Sr. MARK, a Congregation of Regular Cances, founded at Manuse by one Albert Spinula, a Trieft, towards the end of the saft Century. Spinula made a Rule for them, which was approved, corrected and confirmed by feveral faceceding Porse. About the Year 1430, they were reformed, and followed only the Rule of St. Applitus. This formed, and rottowed only the Rule of ot Soggithm. Auss Congregation, which at first confisted of 18 or 20 Houses of Men, and of some for Women, situate in Limitarity and the State of Venice; having flourished for the space of 400 Years, declined by little and little, and was at length reduced to two Convents; and in 1584, that of St. Mark at Mantas, which was the chief, was given with the Con-fent of Pope Gregory XIII. to the Camaldules, and so the

feat of Popo Gregory AIII. to the Lamanaucc, and to 100. Congregation became existing.

Great of St. Mark, an Order of Knighthood in the Republic of Yenker, under the Protection of 9. Mark the Evangelifi. The Arms of this Order are, a Lion winged Oules, with this Device, Part this, Marks Evangelifis. This Order is never conferred but on thole who have done fig.

nal Services to the Commonwealth.

MARKET, from the French Marché, i.e. Emporium of Forum Nandinarium; and fignifies the fame thing with us, Firom Nominations 3 and figurifies the funce thing with us, as all of the Liberty of Privileges whereby a Town is caused for the Liberty of Privileges whereby a Town is caused for the Liberty of Privileges whereby a Liberty of the Compite to be diffuse from all others at least to diffuse out to the control of the Compite to be diffused from all others at least to Standard and in the Cluster-visit of that Matters of Butherfa and in the Cluster-visit of that Matters of Butherfa and in the Cluster-visit of that Matter for Fitzer and the Compite the Compited Standard and the Cluster of th

MARLE, or Moree; a kind of fat, foft, foffile Earth, east on Land to make it more fruitful: There are several cast on Land to make it more traints: There are teveral Sorts, of feveral Colours and Qualities. Too much Mande thrown on the Earth, is found to burn it. Marle is also of use in making of Lines, and is burn like other Stone. The Word comes from the stationt celtie Marga, mention'd by Pliny. It was afterwards call'd Margita and Margaretta.

Paliff teaches the Ufe of it.

MARMALADE; a Confection made of the Juice or Pulp of feveral Fruits, as Plumbs, Apricocks, Quinces, &c. boiled with Sugar into a Confiftence: that made of Quintes is fub-affringent, and grateful to the Stomach.

MARMORA ARUNDELLIANA, or the Oxford Marbles, are aptient Stones, whereon appear a Chronicle of the City of Athens, engraven in Capital Letters in the Island of City of MNNH, engraven in Capital Letters in the rinano of Parar, one of the Cyclodes, a of y Cara before Jelus Chrift. They took their Name from Thomas Earl of Arandel, who procured them out of the Eafl, or from Homy his Grand-loa, who preferred them to the University of Osford. An Account of all their Inscriptions were published in 1676, by Dr. Prideaux.

Do. Fridanax.

MARONITES, a Body of Chriftians who follow the
Syrian Rites, and are fabject to the Pope; their principal
Habitation being on Monat Labona. The Learned are
divided about their original Father. Norm and Cardinal
Emas take Maronine for the Name of a Sect, as well as
Noftwian and Jacobire. The Maronites themselves pre-Notice and Machine The Monother themselves per-cent, dust they are defended from one Nowe, who inten-ton, that they are defended from one Nowe, who inten-tor the beginning of the fifth Centerry, and while Life and the Company of the Company of the Company of the theory of the Company of the Company of the Company the Company of the Company of the Company of the Company of the the Catholic Faith. The ferror Opinion is founded on the Catholic Faith. The ferror Opinion is founded on the Catholic Faith. The ferror opinion is founded on the Catholic Faith. The ferror opinion is founded on the Catholic Faith. The ferror opinion is founded on the Catholic Faith. The ferror opinion is the founded to the Catholic Faith. The ferror opinion to the November of the founded opinion is the Catholic Cathol Saint, was in truth a Heretic. Towards the Year 118a. Atmers, third Laten Patriarch of Confiantinople, united the the Mitre, Ring, Crofier, and other of the Lain Epifopa-lia; but their Service is still performed in the Chaldee Language.

M. Fauftus has publish'd an Apology for Moren and the reft of his Nation. His Opinion is, that they really took their Name from the Maron who lived in the 4th Century, and whereof mention is made in Chrysofrom, Theodorer, and the Menology of the Greeks. He adds, that the Difciples the Menology of the Greek. He adds, that the Diffciples of this Maron forcad themfeltes throughout all Syria, that they built feveral Mooaftenes, and among others, one that bore the Name of their Leader; That all the Syriams who were not reinted with Herefs, took Refuge among 'em; and that for this reason, the Hereticks of those

Times call'd 'em Maronites.

The Maronites have a Patriarch who refides in the Mo-naftery of Cannobea on Mount Libanus, and affirms the Title of Patriarch of Antisch. He is elected by the Clergy and the People, according to the antient Cuttom; but fince their Re-union with the Church of Reme, he is obliged to have a Bull of Confirmation from the Pope. He siged to bare a Buil of Confirmation from the Pope. He keeps a perpetual Celibate, as well as the reft of the Bi-floops bis Suffragacs. For the reft of the Reclediaties, they are allowed to marry before Ordination; and yet the Monatite Life is in great effected among 'em. Their Monks are of the Order of St. Anthony, and live in the most obscure Places in Mountains, far from the Commerce of the World

of the World.

As to their Faith, they agree in the main with, the reft
of the Enftern Church, Their Priefts don't fay Mafa aloca, but all fay it together, Handing round the Altar.
They confectate Bread without Leaven; and the Laity
have hithere communication both Kinds, the the Practice of communicating in one is introduced by little and tice of communicating in one is introduced by little and little. In Leave they cat nothing, untiles the two or three hours before Sun-ifing: Their other Faftings are very mancroas. Their Name may either be derived from Marsa abovementioned, or from many, the Name of a Monatery, or from Marsane, a Gat yof Syria.

MAROTIC STILE; a Term in the French Poetry,

MAKOTIC STILE; a Term in the Frence Foctey, fignifying a peculiarly gay, merry, yet fingle and natural Manner of Writese, introduced by Mons, and face ini-lation of Writese, introduced by Mons, and face ini-fying the Market of Market of Market of Market and the Burlefugu Stile, is thus affiged to The Market and the Burlefugu Stile, is thus affiged to The Market makes a choice, the Burlefugu eathin of all. The first is the most fingle, but in Simplicity bas in Noblencis and the most market of the Market Stile Market Mark where 18 own I rime won't turnith natural Expeditions, it borrows them from forner limes. The latter is lowe and georeliogs, and borrows false and fal forne Ornaments from the Croud, which People of Taile delpife. The one refiges itself to Nature, but examines first of all when the contract of the preferance of the first let alimitation, and taken nothing but what carries with it formewhat of Delicacy and Mirth 3 the other runs facaliong into Buffer and Mirth 3 the other runs facaliong into Buffer and Mirth 3 the other runs facaliong into Buffer and Mirth 3 the other runs facaliong into Buffer and Mirth 3 the other runs facaliong into Buffer and Mirth 3 the other runs facaliong into Buffer and Mirth 3 the other runs facaliong into Buffer and Mirth 3 the other runs facalions in the facality of the facali foonery, and affects every thing that is extravagent and

MARQUE, Letters of, are Letters of Reptifal, grant MARQUE, Letter of, are Letters or Keptual, gran-ed by a King or Parliament, by which Subjects or one Country are licensed to make Reprinis on those of ano-ther; provided Application has been made for Redress to the Government, wherevor the Appresses belongs, three times without Effect. They are so call'd, as being 5th

sirreeffjoor in alection Principit Marchas for Limites transformati, the first Night of their Napstals with their Lords. This filtered for pictured. See Regrantat.

He first Night of their Napstals with their Lords. This Esthbillment is attributed to King Nobelow to Machanger of Mark (Deed of distincted Looking, well the principle of the Night of the Night of their Nobelow to Mark (Deed of the Nobelow Carlos and use 1 opposed to Mark (Deed of the Night of

bles, are afted: our there are more property cancer.

Inser Work. See Mosarte.

The Art of Inlaying is very antent, and is supposed to have past'd from the East to the West, as one of the Spoals brought by the Remarks from #figs. indeed it was then but a simple thing: nor did it arrive at any toleration. The state of the state o ble Perfection, till the fifteenth Century, among the Italians) is femms however to have arrived at in height in the feventeenth Centary among the French. Till Jübe of Froms, a Contemperary with Riphad, the finest Works of Froms, a Contemperary with Riphad, the finest Works of the Contemperary with Riphad, the finest Works of the Contemperary of the Riphad, the finest Works of the Contemperary with Riphad, the finest work of the Content of Fallming, faind the Woods with Dyes or boiled Olds, which persented them. But he went no further content of the Contemperary of the Contemperary of the Contemperary requires no great Variety of Colours. These was to fine cocceed him, not not himself to the content of the con-gine works of the Contemperary of the Colours, and the fine new Woods of naturally bright Colours, by the Difference works of the Contemperary of the Colours, by the lower polyshes of institute, any things whence from cell like the Contemperary of the Colours of the Colou

is the drof Faming in Float.

The Ground whereon the Fieces are to be arranged and gloud, it colinarily of Oak or Fir well dred) and to predict the colinarily of Oak or Fir well dred) and to predict the colinarily of Oak or Fir well dred) and to predict the colinarily of Oak or Fir well dred) and to predict the Care of the Thickenfs of a Line, is either than'd with foom Colone, or made black for Sadows which foom effect, by puring it in Stand extramely basted over the fire, others to be colone, or made black for Sadows which foom effect, others in Oil of Salphiw. Thus colored, the Composers of the Fieces are form'd, according to the Parts of the Deliga they are to repedient. This latt is the most difficult parts are to provide the transfer of the Care tion are required. The two chief inframemen noised herein, are thicken and the Vice; at how, no hold the Mattin, are thicken and the Vice; at how, no hold the Mattin, are thicken and the Vice; at how, no hold the Mattin, are the Vice and Wood, having noor of its Charp field, the other moveship, and it one of the Mattin, which was the constraint of the Charlest of are the Saw and the Vice ; the one, to hold the Mat-

Wood, and the Wood to the Moral.

All the Pieces thus formed with the Saw, and marked, to know 'we again, and the Shadow given in the manner on the Wood of the Wo

Catters, who uses in solution works to the interments used in the former are mothly the fame with those field by the Ebonikt. See Erony. See also Monare. MARQUETTE; a Right or Due which the Women formerly paid to the King or Lord, to ranfom themselves from an infamous Caillon, which obliged them to paid

between the Dignity of a Duke, and that of an Earl or Count. Margaeffer were antiently Governours of Frontier Cities ar Provinces, called Mareber. See NORILITY, PEER,

Co., where the control is the control in the control is control in the Moreaus, on a motest People in the Moreaus, on a motest People in the Moreaus, on a motest People in the Common March of Manufeshaway. Others derive is from the Control Language, English of a Vining of Cavalry. Novel described Language, English of a Vining of Cavalry. Novel described Language, English of Language, Language Control in the Control Language Co

committed to them.

committed to them.
The word Marquifi is French to the Romans were unac-quainted with it. In the Natura Imperit they are called Comiter Limitanci. Action has flarted a Queffion, whether, a Momails or Count thould have the Precedence. To doomiete Limitume. Adiat has fiared a Quellion, whether a Mempijer occur and Roud have the Precedence. To de-cide it, he goes back to the anteent Funchises of Gounts, which was a supplied of the present the control of Funciers; and that Meraphilio, who are Government of Funciers; and that Meraphilio, who are Government of Funciers; and the other Counts, who are Government of Funciers; and the other Counts, who are Government of fincilion, the Book of First Sunttimes places Meraphic above Counts, and formerismer Counts show thought, and formerismer Counts show thought, and the counts are any longer Government; and we they are mere Titlet of Honour, the Counts make no ferrylic of refiguration of the Counts are any longer Government; and we they are mere Titlet of Honour, the Counts make no ferrylic of refiguration for the Counts are any longer Government; and we they are mere Titlet of Honour, the Counts make no ferrylic of refiguration for the Counts are any longer Government; and we they are mere Titlet of Honour, the Counts make no ferrylic of refiguration for the Counts are any longer Government and the Second was the Promitted that the Count of the Counts are any longer Government and the Second was the Promitted that the Count of the Counts are any longer Government and the Second was the Promitted that the Count of the Counts are any longer Government and the Count of the Counts are any longer Government and the Counts are also as a supplication of the Counts are any longer Government and the Counts are also as a supplication of the Counts are also as a supplication COUNT, DURE, &c.
MARRIAGE, a Civil and Religious Contract, by
which a Man is join'd and united to a Woman. The Ec-

which a Man is join'd and united use. Woman. The Ef-fence of Marriage conflit in the mutual Conflict of the Parties. Marriage is part of the Law of Nations, and is in six amount all thoughes. The Samsaijia account is a Sa-ian can be supported to the conflict of the Conflict immediately upon Marriage, paffic wholly in Paraflasses Viri, into the Fower and Dippola of the Hubband. So Wirt, Afrikhity, Dennes, Eff. Sanches, Bensins, and Bower, here wore on the Subject of Marriage.

In Germany they have a kind of Marriage call'd Marga-matic, wherein, a Man of Quality contracting with a Wo-man of inferior Rank, he gives her the left Hand in lieu of the right, and flipulates in the Contract, that the Wife shall continue in her former Rank or Condition, and that the Children boar of them, to set the Cannuin, and they become Ballanda as to Matters of theirstance, the they become Ballanda as to Matters of theirstance, the legistrates in effect. They cannot bear the Namo of Arms Geometry, are allowed this kind of Morrieg. The Uni-verficts of Logist and Jens have declared against the prejudice the Children, of piculally bloom the Emperory Confess intervences in the Morriege. Morriege, and three Sector of Wivers to the Children of the Namo of the Children of the Children of the Children of Sector of Wivers to the Children of the Children of the They marry the first, here the feeded, and buy the share of Matthews to Them of the Children of the Children of Logistrates of the Children of the Children of the Children of the Logistrates of the Children of the Children of the Children of the Logistrates of the Children of the Children of the Children of the Logistrates of the Children of the that the Children born of them, be of the fame; fo that

Day of MARRIACE; a Term used in some antient Castoms, fignifying an Obligation to Marriage. To un-derstand this, it must be observed, that old Masks, and Wildows above faxty, who held Fecs in Body, or were charged with any Personal or Military Services, were antiently obliged to marry, to render those Services to the Lord by their Husbands, or to indemnify the Lord, which they could not do in Person. And this was call'd, Duty

or Service of Marriage, The Roman Laws speak of second Marriages in very hard The Konsus Laws specie or second Marmaters in Very Bard and odious Terms. Mane Join Heards Naylivi Janglians, and the British of the Hanband or Wife deceased Naylivi Janglians, that the Effects of the Hanband or Wife deceased Monal plas over to the Children, if the Saurivos Hoold marry a fector dime, but he Earling to the British of the Saurivos Hoold marry a fector dime, could not give the Errifon they matried, a Perrica more than equal to that of each of the Children. In the Primitive Charch, that of each of the Children in the Primitive Charch, the Refrect to Chastity was carry'd fo high, that a fecoor a Species of Bigamy. There are fome antient Canons which forbid the Ecclefiaftics from being prefent at fecond Marriages.

MARRIAGE, in Law, fignifies not only the lawful join-ing of Man and Wife, but also the Right of bestowing

Marriage was accounted no more than a lawful Debauch, a Ward or a Widow in Marriage, and the Land given in or a Species of Bigamy. There are form antient Canons Marriage. For the Proportions which Marriager bear to Births, and Births to Burials in feweral Parts of Europe, Mr. Derbare gives us the following Table.

| Names of Places.                      | Marriages to<br>Births, as | Births to Bu-<br>rinls, as |
|---------------------------------------|----------------------------|----------------------------|
| England in General                    | 1 to 4.63                  | 1.12 to 1                  |
| London                                | 1 to 4.                    | 1 to t.1                   |
| Hansfeire, from 1569 to 1658          | 1 to 4.                    | 1.2 to 1                   |
| Twerton in Desen, from 1656 to 1664   | r to 3.7.                  | 1.26. to I                 |
| Cranbreak in Kent, 1560 to 1649       | 1 to 3.9.                  | 1.6 to 1                   |
| Ayabe in Northamp, tor 118 Years      | I to 6                     | 1.6 to 1                   |
| Upminjier in Effex, for 100 Years     | 1 to 4.6;                  | 1.8 20 1                   |
| Frankfort on the Man in 1695          | 1 to 3.7                   | 1.2 to I .                 |
| Old, Middle, and Lower March, in 1698 | 1 to 3.7                   | 1.9 to 1                   |
| Dominions of Elect. of Branden. 1698  | 1 to 3-7                   | 1+5 to 3                   |
| Breflaw in Silefia, from 1687 to 91   |                            | 1.6 to F                   |
| Parts in 1670, 1671, 1672             | t to 4-7                   | 1.6 to 1                   |

From which Table it appears, that Marriager, one with another, do each produce about four Births, both in England and other Parts of Europe. And by Mr. Eing's Comparation, about 1 in 104 Frons marry; the Number of People in England being efficient at five Millions and a balf, whereof about 41000 sanually marry.

Major Graunt and Mr. King difagree in the Proportions etween Males and Females, the latter making 10 Males to 13 Females in London 3 in other Cities and Towns, and in the Villages and Hamlets, 100 Males to 99 Females, But Major Grannt, both from the London and Country Bills, computer that there are in England 14 Males to Females; whence he justly infers, that the Christian 23 Femiles; whence no justy mers, that are contains Religiou, prohibiting Polygamy, is more agreeable to the Law of Nature than Mahamerijim, and others that al-low it. This Proportion of Males to Females Mr. Derbam thinks pertry just, being agreeable to what he had observed himselft. In the 202 Kars, for inflance, of his own Pablandfil. In the roc Yeirs, for influence, of his own Pa-rish Regifter of Upmaylire, the the Barriat of Malez and Femalez were nearly equal, being 6:33 Males, and 6:3 Females in all that simely set there were buptized 7,0-, table to 7:1 Lectorality it appears, thus one Min ought to the best one Wife, and yet that every Woman, with-our Polygamy, may have a Husband; this Surplikage of Malez above Females being figers in the Supplice of War, the Seas, Sef. from which the Wenera are exempe. That this is a World Provincere, and note of 10m be followed: this is a West of Providence, and not of Chance, is well made out by the very Laws of Chance, by Dr. Advanture Who lappoint Treasure is by against John, that for eighty-makes, the contract of the providence of the lappoint of Treasure, that it does not to keep not to keep not to keep not to keep not be not for the providence of the lappoint of Treasure, that it does not to keep not be not for the providence of the lappoint of Treasure, that it does not for keep not be not for the providence of Treasure, that it does not for keep not be not for the providence of Treasure of Treasure, that it does not be not be not the providence of Treasure of the providence of the provi

nen, frequent in the Lenant; drefs'd in Sumac or Galls, and colour'd of any Colour at pleasure, much used in Tapifcolour'd of any Colour at Picturer, much used in 1 api-try, Book Binding, 8%. The Name is ordinarily de-crived from the Kingdom of Morecos, whence its fupposed the Manner of preparing them was first borrow'd. We have Moreco Skins brought from the Levant, Barkary, Spain, Flanders, and France's red, black, yellow, blue, 8%. The various Manners of preparing Mercess's, both Black and in Colours, are fo curious and ulcful, and withal fo little known among us, that the Publick will not be displeased to find them bere.

to find them bere.

Manner of preparing black Moreaco. The Skins having been diried in the Hair, are steepd in clear Water three Days and Nights, stretch'd on a wooden Hofe or Leg, blee that used by Tanners, beaten with a large Kniff for the purpose, and steep de-serie in Water, changed daily ill they be well come again. In this State they are thrown into a large Vat in the Greene, fall of Water, wherein Quick-Lime has been flaked, where they lie 15 wherein Quick-Lime has been sizked, where they lie 15 Days; whence, however, they are taken, and again return'd every Night and Morning: They are then thrown into a fresh Yat of Lime and Water, and flitted Night and Morning, as before, for 15 Days longer; then rinfed in clear Water, and the Hair taken off, on the Leg, with the Knife; return'd into a third Fat, and flifted as being the control of the control

for about 18 Days; ficep'd 12 Hours in a River, taken out, rinfed, put in Pails, where they are pounded with wooden Peilles, changing the Water twice: then laid on the Horfe, and the Fielh rales off, return'd into Pails of the Horfe, and the Flelh talsen off, return'd into Pails of new Water, taken out, and the Hair-fide frenged; re-turn'd into frellt Yalis, taken out, and thrown into a Pail of a particular Form, having Holes at bortom, here they are beaten the fpace of as hour, and fresh Water pour'd on from time to times if steet of on the Leg, and feraped on either Side, return'd into Pails of fresh Water; taken on, firetain'd up all around in manner of Bags, leaving one, there and the man of an outer of which placed out the hind Logs, which fere as a Nombon for the Con-veyance of a Sincture mentioned hereafter. The Shine control of the state of the state of the state of the logs Pole half an hour, left at reft a deem, state out, pursion of Water and Sames, mired and headed over the present ready to holly and as they are filled, the hind head ready to holly and as they are filled, the hind head they are led own to the Conference of the they are left only one of the state of the state of the state and leps fitting face been functionally as falled a found changed; and that they combine an hour and half, all draind. This done, they are loofer d, and filled a found that they are the state of the state of the state of the largest repeated a three times, with this Difference, that which, they are led out in the presence of the state of the which, they are led till the merow morning, when they they are now only thired a sparter of an hour; a firer which, they are left till the more own mening, when they are raken over, denied on a Rack, unfered, the Sumae Medical Control of the Sumae Region of th riers, the Flesh-fide uppermost; then turn'd, and the Hair-fide rubb'd strongly over with a handful of Rushes, to fide ribb a through over with a namest of Rubbes, to fqueeze out as much of the Oil remaining within as pof-fible. The first Courie of Black is now laid on the Hair-Side, by means of a Lock of Hair twitted and steep'd in a kind of black Dye, prepared of four Beer, wherein Pieces of old rufty iron have been thrown. When half Fieces of old ruity iron have been thrown. When half dry by hanging in the Air, they are firectidd on a Table, and rubb'd over every way with a Pasmelle, or wooden infirmment, with Tech to raffe the Grain, over which is patid a light Couche of Water, then ficele'd, by trubbing them with Ruffues prepared for the purpole. Thus fixed, it, they have a fecond Couch of Black, then the Couche of th drich, laid on the Täble, rabbid over with a Faumelle of Cork, ro traif to from again; and after a light Cooke, or Water, feeth'd over accev, and to raife the Gain a third time, a Faumelle of Wood utch. After the Hist-field hist hast received all its Preparations, the Field-side is pract with a Harp Knife for the purpole; the Hist-nife cubid direngly over with a woulen Cap, having first given far Lative with blackeries, Corne, or Gronge. The whole is infinitely, by raifed the Grain lightly for the lait Coulding for Selfs and Uff.. Condition for Sale and Ufe.

Manner of preparing red Moreon. The Skin see the red twenty-free hours in a River, taken our, firtered on the Leg, best with the Kniker, returned into the Water Leg, see the Kniker, the Leg, see the red to the Leg, and the River of the Leg, see the red to the Leg, see the red to the Leg, see the red to the Leg and the River of Leg an wrang out, pull'd on the Leg, and folded from Head to Tail, the Flesh inwards. In this State they receive their Tail, the Fielh inwards. In this State they receive their firft Dye, by palling them after one another into a red Liquer, prepared with Lacca, and fome other logredients, kept feerer among the Manaquatters. This they repeat again and again, ill the Skins have got their first Coloan. again and again, til the Skins have got their first Colour. They are then rinsfed in clear Water, firstchid on the Leg, and left to drain twelve Hour; i thrown into Water, into which white Calls pulveried have been paid thro a Sieve, and thirted incediately for a day with long Pole, taken out, hung on a Bir a-croft the Water all night, white against Red, and Red against White, and in the Montania have Water siling and the colour siling the same state of the water siling and the same siling Morning the Water flirred up, and the Skins return'd into nty-four Hours.

it for wears-four Hours.

MARROW, a delicace Subtinace containd in the
Optimize of the Bones. All the Bones of the Body,
Optimize of the Bones. All the Bones of the Body,
Optimize of the Bones. All the Bones of the Body,
I appear coving, or see propageous, and fall of limit Celling
Junge Cavity, or see propageous, and fall of limit Celling
in both the one, and the celor, is an olespinous Subillance, called Maryon, contained in proper Vediclac on
Bones, this fine Oil, by the speale Hear of the Body,
Substitute of the Bone, and the Cellind Lindow,
Optimized the Bones, the Substitute of the Bone, according to its
created in the Subfaces of the Bone, according to its cavated in the Schiltence of the Boos, according to its Length and from the for other off-stratege four directly opposite to the former, left they flowed weaken the Boon too much in one Flace) carry the Marcow till after bein too more longitudinal Cantal, placed ensere the Sarface of the Bone: All this Contrivance is, that the Marrow may lepte the Flores of the Bones, and enser them left grub towers. He Ancients minguil, that Advarsal versus may lepte the Flores of the Bones, and enser them left grub towers. He Ancients minguil, that Advarsal versus have found Blood Verickin the Bones as 10 and 10 have found Blood-Vefficls in the Bones; fo that it appears the Bones are pourifuld in the fame manner as the other Pars of the Body. Befides, we find many Bones which grow, and yet have no Marryen in them; winted: a the Horns of Deer, Lob Rers Claws, &f. See METOULA.

MARS, among Chymnith, fignifics from, because imagind under the Influence of the Plant. See 1800. Physical did under the Influence of the Plant. See 1800. Physical Control of the Plant of the Secondary Plant of the Plant of the Secondary Plant of the Plant

gird under the influence of that Planet. See Ison. Phy-fical Writers priver Iron preferable for all Medicinal Par-pofes to Steel, which is only a more harden'd, compact Iron, made Iso by Art; whereby it is rendred more unfit to yield thole Principles or Parts in Preparation, which the Physician requires to be drawn out. For the Opera-

the Physician requires to be drawn out. For the Opera-tion of its Medicinal Properties, fee Chianybean. MARS, in Astronomy, one of the five Planets, and of the three Imperiar ones; its Place being between the Sur and Impirer. See PLANET, and System. Its Character is and Dyshor's See Planker, and Svermin. In Character in 2. In mean Diffuse for the Sun is 52 and thole Para, whereof the Diffuses of the Sun from the Earth, it eco., the head of the Diffuses of the Sun from the Earth, it eco., the Augle Grand by the Plane of its Obbit with the Plane of the Ecliptic, 1 Deg. 13 Min. The periodical Time, in whole it makes it the Notations round the Sun, 68 Days in which it makes it the Notations round the Sun, 68 Days DAMETER, and STATILLAMETER. For the Dameter of More, for DAMETER, and STATILLAMETER. For its Dading's, for DESMITY. For the Force of Gravity on its Surface, for DESMITY. For the Force of Gravity on its Surface, for DESMITY. For the Force of Gravity on its Surface, for DESMITY. For the Force of Gravity on its Surface, for DESMITY. For the Force of Gravity on its Surface, for DESMITY. For the Force of Gravity on its Surface, for DESMITY. For the Force of Gravity on its Surface, for DESMITY. For the Force of Gravity on its Surface, for DESMITY. For the Force of Gravity on its Surface, In the Activational Rifting of this Planet, that in, when it is in opposition to the Sun, is it found when a surface Lord as the Sun which is a Planetonerson than the co-tain 65%, oblicted Gravits Spots in Mark, which having a in 65%, oblicted Gravits Spots in Mark, which having a in 65%, oblicted Gravits Spots in Mark, which having a in 65%, oblicted Gravits Spots in Mark, which having a in 65%, oblicted Gravits Spots in Mark, which having a interpretable of the Sun is a found to the control of the Sun is a found to its control of the Sun is a found to its control of the Sun is a found to its control of the Sun is a found to its control of the Sun is a found to its control of the Sun is a found to its control of the Sun is a found to its control of the Sun is a found to its control of the Sun is a found to its control of the Sun is a found to its control of the Sun is a found to its control of the Sun is a found to its control of the Sun is a found to

tremely diferedited the Ptofemaie Hypothefis. Dr. 1906, in 1665, obferv'd feveral Spots in Mart, which having a Motion, he concluded the Planet to turn round its Center. In 1666, M. Caffini obferv'd feveral Spots in the two Faces or Hemifpheres of Mart, which, by continoing his different Obfervations very diligently, he found to move by the Charles of Mart. When the found it is the found to move by titule from East to Weif, and to return in the space of 24.
Hours 40 Minutes to their former Situation. Whence
both the Motion and Period, or natural Day of that Planer, was determin'd. Mars always appears with a ruddy,

Troubled Lights whence we conclude it is encompalfed with a thick, cloudy Atmessfacer, which, by diffurbing the Rays of Light in their Editing and Re-patting their conceilion that Appearance. Mary having his Light from the San, and reverying road it, has an hereaft sail because their constitution of the same and the

This Planer's Diffunce from the Sun, is to the Diffunce of the Earth and Sun, as 17 to 1. So that a Man placed in Mars, would fee the Sun's Diameter Iels by one third in Mary, would fee the Sun's Diameter lets by one time than it appears to us, and confequently the Degree of Light and Heat, which Mars receives from the Sun, it lefs by one third than that received by the Earth: This Propo-tion, however, will admir of a fanible Variation, on ac-

count of the great Excentricity of this Planet.

Tho the Period of Year of this Planet, as has been already observed, is nearly twice as long as ours, and his natural Day, or the Time in which the Sun appears above natural Day, or the Time in which the Sun appears above his Horizon (ferting affect the Confideration of Twilight) is almost every where equal to bis Night; yet it ap-pears, that in one and the same Place on his Surface, there will be but very little Variety of Seasons, fearco there will be but very little Vurley of Socions, feares any Difference of Bournet and Witters. And the residue is, there has been also been allowed Rosenton in ourly as right and the residue in the latest and the residue in the latest and the residue in the latest and l thefe Spots may probably be form'd in Mars, or his At-mosphere, as Snow and Clouds are in ours, wis. by the constant different Intentions of Heat and Cold in the diffe-

confuse different intensions of Heat and Cold in the different Parallels; and Coom to be extended in Gircles or are Parallels; and Goom to be extended in Gircles or Revolution. And this fame Principle may perhaps, felve the Paramonton of Hyper's Bells; that Flence, the New Levis of Hyper's Bells; that Flence, the New Levis of Hyper's Bells; that Flence, the New Levis of Hyper's Bells; that Hyper's Bells; the Hyper's Belling; the Hyper's Bells; the Hyper's Bells; the Hyper's Bells; th at the time of Coojandino, when Meroiry pilics over his bills, as he formerines appears to use in form of a Spot. Dills, as he formerines appears to use in form of a Spot. I have been appears to the support of the support of the street from the Sun that Meroury appears to us; and the Earth about the finem Dillance from the Sun, that to us "Tome appears, had when the Earth is found in Conjunc-tions, and the support of the support of the support (Coffini favo on Earth, six, the Earth appear hence of fal-cated, and in Attendant the Moon of the fame Figure, Coffini favo on Earth, six, the Earth appear hence of the cated, and in Attendant the Moon of the fame Figure, Minister of 1 Divisions from the Estth, not above 15 Minister of 1 Divisions from the Estth, not above 15 Minutes of a Degree

Mans, among the Astrologers, is beld a Malific Planet. They call it the little Unfortunate; it is masculine, noc-

They call it the Inite Unformasts; it is matcalline, nec-treath, but and for year Combust influence Amenia ho-nour of the God Marx. They were held wice in the own of the God Marx. They were held wice in the sand at fecond time on the 4 th of the file of Mays and at fecond time on the 4 th of the off Mays and at fecond time on the 4 th off the off Mays and the file of the file of the file of the off-action of the Temple of Mars on the Day. The Gennes confilled in the Confired of Horfers, and the Marshall of the Marshall of the Marshall of the New kill'd are bundled Long in the Green on the Gotta-

Chocus Marts, is the Ruft of Iron; or Iron in an impalpable Founder. The Alchymilis fometimes call their Mercary by the Name of Maris.

MARSHAL: With as there are feveral Officers of this Name, the Chief whereof is the Earl-Marfal of England, who is one of the Great Officers of the Crown. He are the Complication of all Marters of War and Armst, de-taxes Cognitions of all Marters of War and Armst, detakes Cognisance of all Matters of War and Arms, de-termine Contracts touching Decede of Arms out of the Realm apon Land, and Matters concerning War within the Realm, which emmb the determind by Common Law, in which he aftally proceeds according to the Girll Law. This Office is Hereditery, hving been for many Ages in hard the Contract of the Contract of the Contract of the The Ent-Marka's had anticatly forward. Courts under the Land of the Contract of the Contract of the Contract of the hard the Contract of the Contract of the Contract of the hard the Contract of the Contract of the Contract of the Contract of the hard the Contract of the Contra

him, but hath now only the Marshalfea, where he may fit

The Coart where Cantes of this kind, between Man and Man, are trice, is called the Marphallon, and is under the Knigh-Marphal. In Pleas mention is made of a Marphal of the King at All 13 a Marphal of the Exchequer, to whom the Court commits the Cuflody of the king's Debtors,

MARSHAL, or MARSCHAL, of France; the Name of an Officer of the Crown, who commands the Armica. The Dignity of Marghal is now for Life, the at its first Institution it was otherwise. They were then only the King's first Ecceptes under the Contrable, but in Time they becime the Conflabled Literaceasts in the Command of the Army, the Conflable birdfel being him become Creptain Army, the Conflable birdfel being him become Creptain their Allowance was best too. Livres per Jamms in Time of War, and anothing in Time of Perce. In the Reign of James the Bert, their Number was increased on five is a perfect of the Conflable, and to James the Bert, the Conflable, and to James the Conflable of the Conflable, and to James the Conflable of the Conflable, and to James the Conflable of the Conflable of the Conflable of the Compt do now to which that they have given their Title, and the least conflable Part of their Audority. Feed the Conflable of the Conflable became the Constables Lieutenants in the Command of the fembly of the Marfbals.

Niesd derives the Word Marford from Pslemarchus, Maf-ter of the Camp: Matthew Paris from Martis Senefellus. In the old Gaulif Language, March fignify'd Horle, whence In the old Gaulip Language, Murch figuity'd Horke, whence Marcchair might fignify him who commanded the Cavalry. Menage derives it from Murchelaies, which is composed of Marok or Marok, Horse, and Schalk, powerful; or, according to Cheerius, Servant: Which makes forme imagine, Title was first given to Farriers, or those who shoe and bled Harfes; and that in Succeffion of Time, it paf-fed to those who commanded them. Palguer makes four several Derivations for the four several Kinds of Marshall, viz. Marshals of France, Marshals de Camp, Marshals de Lagis, or Quarter-Masters, and Farriers, who are call'd by the Name of Marshals. The third he derives from Marche or Name of Marshals. The third he derives from Marche or Marchir, to mark, limit; and the last from Maire, Master,

, Horfe MARSHALLING a Coat of Arms, in Heraldry, figni-fics the dae and proper joining of feveral Coats of Arms in one and the fame Shield or Efcutcheon, together with

in one and the fame Shield or Efrascheon, together with their Ornamens, Parts, and Appurenances. See Anass. their Ornamens, Parts, and Appurenances. See Anass. of Iron, or fach as are impreparted therewith; as the Martial Repulsa of Artminey, Ge. See Anarisanov. Signatural, LAW, is the Law of War, depending up-marked the Company of the Company of the Company Martial, LAW, is the Law of War, depending up-war. For the King, in Time of Pecce, never makes any Laws, but by common Confent in Parliament; yet in War he offich belother Fower: Bac vece his Power hath been invefted of lare Years in the King, or his Generals of the Army, by Act of Parliament, and under particular Reftrictions too. See Law.

MARTINGALE; a Thong of Leather fasten'd at one end to the Girths under the Belly of a Horfe, and at the other end to the Musicall, to hinder him from

MARTLET; a Term in Heraldry for a Pigeon, with its Feet erafed, or torn off: It is used for the Difference or Mark of Diffinction in an Escutcheon for the fourth

Brother, or Family.

MARTYR, a Person who suffers Torments, and even Death, in Defence of the Truth of the Gospel. St. Sre-Death, in Defence of the Truth of the Gorpet. St. Ste-phen is call'd the Prov Advary, or first Martyr. 1990e Per-ions are computed to have Infer'd Martynians with St. Br-new at Lient, under the Empire of Sverns. 6666 Sol-diers of the Techan Legion are faid to have been martyr'd diers of the Techna Legion are fisd to have been marryed at fine fine. Father Paperson Precious 1600 of Joffman 1997, and 1900 others mader Distribute about 2001 of Joffman 1900 others mader Distribute about 2001 of Joffman 1900 others mader Distribute 2001 of Joffman 1900 others make the period in the Holy War. In the Time of St. Aregifin, the Title of Marryer was given to Confection, or thole who were contracted for the Faith without loding their Lives. The Ternalmen's Thought, in the Confection of Theory of the Confection of

Saugai Cerifianus.

The Word Marry is Greek, µaprop, and properly fignifies a Witnefs. Thus it is apply d, by may of Eminence, to those who fuffer in witnefs of the Treth of the Gospel. In the antient Church, the Acts, Sufferings, and Deaths

in Judgment sgaint Griminals offending within the Verge of the Morryr were preferred with a world of Care; and of the Coart. There are color inferior Officer of the Names; and very c, manger all this Dilipance, we have but very little of the Property of the Care of the Names; and the there, come in a very finall Computis, and thus, excepting New and Dominis, the reli of the Emperors made force on y. T. Ramand, on the contarty, colderavant to feed the process of the contarty, colderavant to feed of That the Carriage was immorted under the first Emperors, and effectively in that of Doubline. F. Papieteck, in this disk addition, makes the Number of Marry in this disk and the contact of the process of the process of the process of the Number of Marry in the disk of the Carriage of the Papieteck of the Papieteck of the Papieteck of the Papieteck of Doubline 2, Do. 50 or 50 yr. The Ærs of Marry in all 6 call'd the Ærs of MART ROLOGY, & Catridges or Life of MART ROLOGY, & Catridges or Life of Marry and MART ROLOGY, & Catridges or Life of Marry and MART ROLOGY, & Catridges or Life of Marry.

Daudgline. See Evectat.

MARTHROLOGY, a Carlingue or Lift of Mertyn.

MARTHROLOGY, a Carlingue or Lift of Mertyn.

MARTHROLOGY, a Carlingue or Lift of Mertyn.

See Sant, but the Term is frequently apply do the Hillion.

Fine of Mertyn. The Carline of collecting helperyleire, or desire.

The Carline of collecting helperyleire, or desire, the Memory and Lamphe of their mode. Earth of their Horse is made and the see that Lamb by St. Jewes is but the Learned agree, that it is use now exame. That surrheaden to Rein in the McDames, we were the surrheaden to Rein in the McDames, which was the surrheaden to Rein and the McDames of Rein. The ph Octamps was very feerlis in Martine of Pade. The ph Octamps was very feerlis in Martine of Rein and American and the American and America Latin by St. Serois; but the Learned agree, that it is not now extant. That attributed to Beda in the 8th Century,

the Year 10%, is little more than an Abridgement of that of them. Father Norther watch emotion of a Gapit Margarithy, rectired by the Mornitz at Rome. We have also the property of the Mornitz at Rome. We have also the property of the Mornitz at Rome. We have also the property of the Mornitz at Rome. We have also the Rome of the

Valefins won't allow the two to be confounded together: the last being a Sect of Jews before, or at least corem-rary with Christ; and the former a Sect of Heretics or at least corempo scended from them. Refines diffinguiftes them by their Names: The Jessift Sect be calls Marketens; and the Heretics Maskathamans. The Masonthenes were a Braich

of the Amongania.

The Word is derived from the Hebres PDW Scholet, to reft or repole, and fignifies idle, eafy, indolent People. Eachton Speaker of them, as if they had been for call'd from Markotsea, their Chief; but its much more probablle that heir Name is Hebres, or at 18th Chaldas, ingliving the fame thing with a Schomarian in our Language, that is,

fance thing with a Soldomzion in our Language, where the constraint of the constrain

Kind, or fornething analogous to it, and which Cafforn has affix'd to a Word. For Men confidering themselves, and observing the Difference between the two Sexes, have rhought fit to vary the fame Adjective Names, by giving them different Terminations, as they are differently ap-ply'd to Men or Women. Thus in Latin we fay bonat Eply'd to Men or Worten. Thus in Latin we fay lasis I-may, a good Hearly, in the Algi-dines last rip-chaing of a row, a good Hearly, in the Algi-dines is but rip-chaing of a only, but also of the Subdinarite, and fay, lens Zipin. In English, however, we are more first? in few egenerally expects the Difference of Sex by diliterate Words, not by the Algi-diliter A. Albers in the Algi-diliter A. Albers in the Algi-diliter. The Algi-diliter is the Algi-diliter in the Fe-minine J. Bay, Girl J. Irweber, Sifter J. Insch., Due J. Bal, Carn. E. E. Indeed, whe was about revery Perminines difficinguish! from their Majestines, by the Variation of the Termina-tion of the Male into \$613 for instance, Abbr, Abbes 5 Action of the Male mo of is for inflance, Albor, Albel's see, see, Albel's Cama, Countries He'n, He'ne's Malfer, Alghel's, E. And this is all that our Laogaage knows of any thing like the Geoders, which are only a different way of expecting the Male and the Female. But the old Lan-pages, and even fome of the Moderns, have gone fur-ther; for as fines Adjectives may have Relations to other ther; for as into Adjectives may have Relations to other Things, betides Men and Women, it has been thought necessary to appropriate to them one or other of the Ter-minations invented for Men and Women. Hence most other Subliantives have been ranged under the Heads of Miglative or Ferminine. This, is form Case, is done with a flew of Reason, but in others is merely arbitrary; and for that reason is found to vary according to the Languages, and even according to the Words introduced from one Language into another. Thus the Names of Trees are Language into another. Thus the Names of Trees are generally Feminion in Livin, and Malcilore in the Fesch Street, the Genders of the fame Word are fometimes warded in the fame Language. Thus Javin, seconding to Pylician, was anticntly Julyicaline, but is now become Teminice. An News, 18 Jin, in French, was anciently Teminion, but is now Mydulline. The modern Tongue have no more than two Grodker, see, the Mydullin and the no more than two Grodker, see, the Mydullin and the Confedence. See Grass Trees. The Temple, in their Years, have a glid of Rhinion.

The French, in their Poetry, have a kind of Rhimes The French, in their Foerry, have a kind of Rhimes which they call Maglealine, to diffinguish them from others, which they call Ferminne. The Maglealine Rhime is that made with a Word which has a firing, open, and accented Fromunciation; as all Words have, excepting sectionel. Fromtication is as all Worth have, 'accepting theful which have a Ferminen the tital Styllabe; for inhance, shows and 'box, hor and 'box, and Anglosine minimum. Hence Verfer ending with a Modaline minimum. Hence Verfer ending with a Modaline Minimum. And the Modaline, or well Ferminel Parties, never to die albove two Modaline, or well Ferminel Parties, never to die albove two Modaline, or well Ferminel Parties, never to die albove two Modaline, or well Ferminel Parties, never to die albove two Modaline, or well Ferminel Parties, never to die albove two Modaline, or well Ferminel Parties, never to die albove two Modaline, or well Ferminel Parties, and Respin dwar to the first who predicted it with Success.

than the Feminine ones. See RHIME. The Afrologies maintain, that the Signs and Planets are really diffinguished into Majenline and Ferninine; not on account of any Difference of Sex, in their Bodies, or on account or any Difference of Sex, in their Hodges, or in their Names: but by reason of their Qualities, which are either active, hot, or cold, accounted Majouline; or passive, dry, and moist, which are Ferminine. On this Principle they call the Sun, Jupiter, Saturn, and Mars, Maf-

ealine; and the Moon and Venns, Ferninine. Mircony, they fuppole, partakes of the two. Among the Signs, Aries, Libra, tuppole, partaness of the two, Among the Sigos, Arres, Labru, Gennin, Les, Signitarus, Aquarins, are Majealine; Cance, Ca-pruserius, Tarrus, Virgo, Scorpo, and Pifest, are Feminine. Plants are likewide diffinguished into Majealine and Fe-minine. The Majealine are those which have a greater

there of Heat and Virte

finare of Heat and Virtue.

MASON, a Frois engloy'd under the Direction of an Architect, in the rating of a Stone-Building. The chief Building. The chief Building of Stone, and the Mortar, mile the Walls from the Foundation to the Tup, with the necel-farty Merentus and Perpendicular, Form the Vaults, and engloy the Boste as deliver to bein. When the Stones complety the Boste as deliver to be him. When the Stones Longon the Stones Content, and the Stones Longon the Stone Content, and the Stones Longon the ste large, the fluinded of heesing or carsing them befounded with the Adjoin. The Ornamous of Schipture
founded with the Adjoin. The Ornamous of Schipture
are performed by Castera is Stene, or Schiptors. For the
General Schipture of Schipture, For the
Adjoint of the Schipture of Schipture
are performed by Castera is Stene, or Schiptors. For the
Endos In profinences precipally delt by them, are,
load, E.G. For the Minneres of Working, for Adjoint of Schipture
are, Chaffel, Mallet, Saw, Torowi, E.G. When Inc. Beformed the Castera of Schipture of Schipture
for the Castera of Schipture of Schipture
for the Castera of Schipture
for the Schipture
for

Building: Tho in the mort limited Seafe of the Work, Moffmay is the Art of effembling and joining Sucest sequenter with Mortax. Whence there are fire as many different Kithol of Moffmay, as there are officeren Farmas and Manachan and Mortan, and the Art of the Art

ly, and the Diagonals are, the one perpendicular, and the other level. This is the most agreeable Masonry to the Eye, but it is apt to crack. See Plate ARCHITECTURE,

Fig. 1.

Beand Majonry, is that wherein the Stones were placed one over acother, like Tiles; the Joints of the Bode being level, and the Mounters perpendicular. So that the Joint that mounts and feparates two Stones, falls directly over the middle of the Stone below. This is lefs beautiful than the Net-Work, but more folid and darable, See Plate Ancu. Fig. 2.

See Plate Arch. 117, 2.

Greek Melgony, according to Pitrmous, is that where, after we have laid two Stones, each of which makes a Courfe, another is laid at the end, which makes two Courfes, and the fame Order observed throughout the Enthlian This courte, and the fame Order observed throughout the Couries 3 and the lame Order obterved throughout the Building. This may be called Desdet Buildings, in regard the Bindings is not only of Stoness of the fame Courfe with the Bindings is not only of Stoness of the fame Courfe with Courfe. See Plate Anext. Fig. 3. Majora y 3 played Courfe, by the Antients call'd Jishmun, differs in nothing from the Sound Majorary, but only in this, that its Stoness are not hewn. See Plate Anext.

Majeury by Unequal Courfes, call'd Pfenalfolonom, is also made of unhew'd Stones, and laid in bound Work: But then they are not of the fame Thickness, nor is there only Equality observed, excepting in the several Courses; the Courses themselves being unequal to each other. See

Coarles themselves using the Antients Plate Anti. Fig. 4.

Majoury fill'd up in the Niddle, call'd by the Antients Majoury fill'd up in the Niddle, call'd by the Antients Empletten, is likewise made of anhew'd Store, and by Nanna Coarles a

Couries; but the Stones are only fet in order at so the Couries, the Middle being fill' up with Stones theorem Couries, the Middle being fill' up with Stones theorem Couries, the Middle being fill' up with Stones theorem Couries are depressed beings; in of Firmenias properties; for call'd, so being form'd of all the rest. In this, the Couries are of head Stones, and the middle These theorem Couries are for head Stones, the Couries, with Campineters thanked with After that the Stones of one Courie are bound to those of another Couries, with Campineters thanked with metical Leafs.

All the Kinds of Majorary has of First Marin, Merchel Leafs first, with many Majorary that of First Marin, Mercel Leafs first, with many Majorary that of First Marin, Mercel Couries are cental, well fluster, of mall Week, where the Couries are engla, well fluster, and the Stones and Mortan.

little Stones and Mortar. little Stones and Morats.
FREE, or ACCEPTED MASONS, a very antient Society, or Body of Men, fo call'd either from fome extraordinary Roweloge of Maforty or Buildings, which they are furposed to be Masters of, or because the first Founders of the Society were Perfons of that Profession. They are now very considerable both for Numbers and Chatter of the Society were Perfons of the Society were Perfons of that Profession. They are now next confidently both few Nembers and Olle-ratices being from all every Country for Energy, and con-tifling principally of Perfoxs of Merit and Confidention. As to Artispity, bely all calls on Sannaling of form as carries as the Building of Mosen's Temple. What the Red of their Inditions in, formes till, in from meature, a Secret; the fo much of it as it known, appears ruly control to the Building of Mosen's Temple. What the Red of their Inditions in, formes till, in from meature, a Secret; the fo much of it as it known, appears ruly control to the secretary of the Performance of the Country, matural Artiflances, and Good-Fellowlips. The Brothers of this Pamily are fail to be policifed of a great Number of Secreta, which have been religionally observed they will, 'tip light chey see Mafters of one in a very great degree, e.e. Secreta.

viz. Scerecy.

adgree, visc. Secret, and Asset, a Cover for the Face, contrived with Apertures for the Eyes and Mouth; were chiefly by Women of Condition, either to preferre their Complection from the Weather, or out of Modelty, to prevent their being known. Popeng, Wife of Nres, is faid to be the first lineary. the Weather, or out of Modelly, to prevent their being known. Peper, Wife of New, is did to be the fittle weater of the Mulper's which the did to puts the Con-pletion from the San and Weather, as being the model delease. We man the Control of the Con-letter was the Control of the Control delease. We man the Control of the Control delease. We man the Control of the Control Mulper was not increduced till cowards the end of the 15th Century. The Word Mulper is also used to Singhiy any thing used to cover the Eyes, and prevent a Perfords being known. Thus the Retirects of Lyour and Arigons labels held: Face with large with eVolts, which force comfor Mafques.

hade heler Jace wan singe wante vens, winne ever verMASALYR, in Architechar, is understood of cernin Flores of Sealpare, representing form bideous Torm, from the Company of the Company of the Company for the Company of the Company of the Company for Archet, Ge. but particularly in Genoro, ASACQUAD of Glighted, except to class and diver-them of the Company of th reciprocal Ratio of their Volumes. See Morion, WEIGHT,

receptent Laume of thear Volumes. See mor 1800, W1 10 17, MASSALLANS, certils Section's, fo call'd from a MassAlland's, certils section's, fo call'd from a fidere West figuritier, Proper i theing their dilinguish-could be seen to b

fufficient to Salvation. Many Monks, who loved a Life of Lazine's, and were averse to Labour, join'd the Maffa See Euchites.

MASSATER, from per Name of a Muscle, that helps to pull the Jaw upwards in eating: It is thick and floor, arising from the Zygoma, and from the first Bone of the upper Jaw, and is inserted into the lower Edge of the lower Jaw, from its external Angle to its middle. Its Fibres run in three Directions;

thole from the Zyeens obliquely to the middle of the Jaw, and thole from the first Bone of the upper Jaw cross the former, and run to the Angle of the lower Jaw;

crefs the former, and run to the Angle of the lower Jusy and the Fibrest that are in its middle, run perpendicultify from their Origin to their Interfess.

From their Origin to their Interfess.

Filture, containing the great Lights and Silkouses; and thus, when it is immed date, we fee only the Moffes of a Fifture, to the Places of the greated Lights and Silkouses.

For the Filture of the Greatest Lights and Silkouses.

For the Lights and Delicary. Thus we fey, a Wall, or a Building, it to won-fifty at the Control of the Cont

moffer Column is that, which is too floor for the Order, whole Capital it beam in the "second Thoulogy, sign." AMSSO(RA, a Term in the "second Thoulogy, sign." The second that the second is the second that the second that the property of the second that the second that might other wife happen; and to ferve, according to their Expertison, as a set ledge in the Lem. Board defines in a Critique on the Hildren Text, contrived by the aminen "geory Dobters, in which they have mamber die Verfex, Words, and Lex-ters of the Text, and markf all the Variations of its For the Text of the Storted Books was originally written. unter et me Cate, ann marte a in tree obtilished of the without any Betche, or Divinion into Chapters, or Verface, or even into Words. So that a whole Book, in the nations have the control of the contr Vowels. The Arabs have done the fame thing to their yowes, ane cross have done the fame thing to their Messen, that the Mofferete have done to the Bible: Nor do the Tess deny their having borrow'd this Expedient from the cross, who first put in in practice in the 7th Century. There is a great and a little Moffers, printed at Vennes, and at Buffle, with the Hebrew Text in a different Chracker. Bossey has written a Moffered Comment, which he calls Tib

MASSORETES, Jewiß Doctors, Authors of the Maf-See MASSORA

fem. See MASSON. A MAST of a Furly, the Fruit of a Species of Trees, call'd MAST of a Furly, the Fruit of a Species of Trees, call'd Clandform, or hint: Bearing; as Beech, Oak, Oleffons, Ge-Cercheg, and Sail, to be filted a by needer to their re-ceiving the Wind accellary for Navigasion. In large Velfal, the Number of May's four T-Teb's Names are, the Man-del of the Company in Place in in the middle of the Velfal, and it bears the dropogli Codelay, and the larget Sail, The Investigation its Place is in the middle of the Vettet, and it bears the firengeft Codage, and the largeft Sails. The Isre-Maff is between the Main-Maff and the Head. The Moven-Maff is between the Main-Maff and the Stern. The Bott-fire ilies upon the Beak, in the Prow or Head of the Ship. The Counter-Moven, in large Vetfels and Galleons, is in the Stern.

niardi Milleli.

For the Proportion of Majli, Sir H. Manuaring gives thefe Rules: Whatever the Breadth of a Shipb to in Foct, multiply \$\frac{1}{2}\$ of that Breadth by \$20, the Trodict is the Length of her Main-Matt in Yards. Thus if a Ship to 5 Foot at the Mildfilip-Bern, \$1 of \$50 the 44, therefore that Ship's Main-Matt mult be \$2\frac{1}{2}\$ are the Single Main-Matt mult be \$2\frac{1}{2}\$ are Test in Length. Then for its Bigneft, he allows an inch

to every Yard in Length, and therefore this Maft must be a shockes three, or thick. The Fore-Maft of a Ship must be? of the Length of the Main-Maft, that is, in the Cafe, 19 Yards? tuck, or thro it mult be near ao Lexice. The Boilipter is always the fame Length and Big-nels with the Fore Maft's and the Minen-Maft must be abilitable the Length of the Minis-Maft, and half as

MASTER; a Title given to feveral Officers, and Per-fons of Authority and Command, and particularly to the Chiefs of the Orders of Knighthood, &c. Thou we fav, the Grand Majfer of Malika, of St. Lugaras, of the Golden

the Grand Milfer of Matika, of St. Lazaras, of the Golden Fleece, of the Free Mijan, &c.

The Tale Mijfer, Majifer, was frequent among the Rumans: They had their Mijfer of the People, Majifer People, who was the Dictator; Majifer of the Cavalry, Nagifer Spains, who held the fecond Poli in an Army after the Dictator. Under the later Emperors there were the State of the Cavalry, A. Mijfer Rumans and A. Mijfer Rumans. sier in Dilator. Under the later Emperes since were also different the Infanty, Aging Teckens. A digger of the Caylor, Months of the Infanty, Aging Teckens, and Aging of the Laylor, Alagifer Caylor, who had nothing of the infance; but we the farmor and the Name Germa of the Infance; but we the farmor and the Infance in the Infance and the Infance in the International Caylor of Infance in the International Caylor of Infance in the International Caylor of Infance in Infance first there were two of their Offices minimum, the out-for the Infanery, and the other for the Cavalry. But the two were united into one under Conflantine. But as their Power was increased, so was their Number 100 3 and there Now was increded, for man birks bomber ton's and there was no exposited for the Carty, another for the Engl., and snother for the Engl., and snother for theyer, another for the Engl., and snother for theyer, and the Engl., and snother for theyer, and the Engl., and the Engl., they there were call it dense. Commerce at Carty and the English they be the English they be the English they was an Officer or Comprodict under the Maller of the Millia. Major of the Officer, Major of the Comprodict under the Major of the Millia. Major of the Officer, Major of the Officer, and the Comprodict under the Major of the Officer, and the Comprodict under the Major of the Officer was the fame to the Wedners Empire with the Comprodict imply Major in the States. In five, Major, in the States History and the Engl. and the Comprodict in the English and the English an

have they meet the threat which is the state of the state

without men's over the can do beauing.

King's Gift.

MARTER of the Bunfold, and in the King's Gift: His
Bufinefs is to furvey the Accounts of the Honfhold. Antiently the Lord-Steward himfelf was call'd Grand Mafter.

steely the Levil Steward hindelf was useful come Anglew of the Hindelfs. See Housenson.

MASTER of the Holfe, a great Officer of the Coom, who who is committed the Large of ordering and difficulty who has committed the Large of ordering and difficulty of Horfes, as he had enterly, of all the Post in Eng-lead. He had a Power of commanding the Experien-and all the other Officers and Tradeform employed in the three Committed Committees of the Committee of the Avener, the Other Officers and Tradeform employed in the the Avener, the Other Officers and the Avener, the Other Officers and Tradeform of the Committee of the Committee of the Committee Privilege of analysis of any March, Pages, or Econome, the Horfes, and Attendages, sealing the Committee of the Committee Kingf Aram and Liderics. King's Arms and Liver

King's Arms and Liveries.

MASTER of the Mins: This, in the fecond Year of

Henry the Sixth, was the Title of him, who is now call d

Warden of the Mins; who fe Office it is to receive the Silver and Bellion, which comes to the Mins to be coined,

and to take care thereof. See Mins.

and to take care increase. See MINT.

MASTER of the Cours of Mearch and Liceries, was the chief Officer, and Judge of that Cours, who kept the Seal of it, and was named and affigued by the King. But this Court, and all its Officers, Members, Power, and Appart in annees, is taken away by a Statute made the 1a Car. 2. 6. 14.

MASTER of the Tened Hinfs, mentioned in 19 Ellin. 2.1 in Officer of the Kingh Houffold of great Credit, he in an Officer of the Kingh Houffold of great Credit, he five, and a Lockgoin time. The difference of the Cof-of all the Gold and Silver Plate used at the Kingh Tik-kle, or belonging on any Officer of account strending the Silver of the Cof-den, as all of the Cof-den, as all of the Cof-den, as all of the Cof-cernication.

Master of the Ordnance; a great Officer, to whole Care all the King's Ordnance and Artillery is committed. See ORBNANCE

Masra of the Isculies, an Officer under the Arch-bishop of Canterbary, who grants Licences and Dispensa-tions; he is mention d in the Statute of laying Impositions

billipp of Controlmy, who granta Licences and Different towns he in emission in the Statust of larging Impelience may be in the control of the Statust of larging Impelience Marriar of the Rendy, an Officer, whale Office it is to creat all thange relating to the Performance of Transgeline. Marriar of the Rendy, an Officer, whale Officer is to particlellim of granting. Let a Court II the Mithiesuffe a Justificial ment of granting. Let a Court in the Interna-tional Court of the Court of the Court of the Court of Justificial ment of the Court of the International Court of which we very benefitial to this, and interestent the Small-ry confiderable Income. Neither Court of the Small-ry confiderable Income. Neither Court of the Court of Harding and Licence. Neither Court of the Court of Virtue, and for the latter has his Face. When the Court of Marriar of the America of the Court of the Court of the Templers, and all his Seccettles, were called Agent Tought Margini; and over force the Diffusion of the Court of the Court of the House Live of the Housel's Court of the Court of the Housel's Court of the Housel's Court of the Court of the Court of the Housel's Court of the Court of the Court of the Housel's court of the Housel's Court of the Court of the Housel's court of the Housel's

Maxim of the Worklink, an Olice in the Lord Chamberian Diriff, who has the Power of managing all the Royal Robers as those of the Coronation, Six Gorge's Featl, the Trainment-Robers and Got the waring appared, Collar of SNs, Gorge's and Garter, &c. He has the Charge and Coulou's of all formers, they and Queen, Got of the Collar of SNs, Gorge's and Hongloon, Bedding, &c. for the Robers, and Collar of SNs, Gorge's and Hongloon, Bedding, &c. for the Robert of the Collar of the Uc. See WARDROBE.

MASTER of Arts, the first Degree taken up in foreign
Universities, but the second in ours; Candidates not being admitted to it till they have studied in the University

ing admitted as it till they have fishelde in the University feren Years. See Denartz.

Martan of a Sup's an Olfser, to whom is committed that Decelhon of a florthank Yelicity who command it in the Decelhon of a florthank yelicity who command it in the Decelhon of a florthank yelicity who command is the the Mediterraneon, the Adjoir is frequently called Tomer, and it long Vorget Copume. The the Properties of the Veilel that appoints the Adjoir is and via the Adjoir pro-vides the Equipme, here is the Place, Soliton, 15°. The view the Equipme, here is the Place, Soliton, 15°. The Veilel that the Place of the Semme and Officers, the Terms of their Register of the Semme and Officers, the Terms of their decelhor properties of the Place of the Parwarets, and in second, every their reliaine to the

when the desirable, here it to Frient, Suddon, gro. The Officer, the Ferres of their Generity, the Receips and Eysment, and in general, every thing relating to his Grand States, and the general states of their General states of Friends, and the Grand States of the Lord-Chanceller or in the Ablence of the Lord-Chanceller or in the Rolls (Chaptel) he is all to the first like in the Rolls (Chaptel) he is all to the first the bears Caustin in the Rolls (Chaptel) he is all to the first the Rolls; but all Europe, and their Allilanes are to the Lord Chanceller. He hash all the Rolls to the Lord Chaptel he is all to the first the Rolls; but all Europe, and the Lord Chaptel he is all to the first the Rolls; but all Europe, and the Rolls that the Rolls; but all the Rolls that the Rolls that the Rolls; but all the Rolls that the R

entry'd by the Mifters in Chancery. Before them, Affida-vits are made, and Deeds and Recognizances acknow-ledged. See Chanchars.

MASTER PIECE, an exquifite, or extraordinary Work

MASTER PIECE, an exquitie; or extraoramary work or Performance, in any Art or Science. MASTER-PIECE, or Chef #Onewe, is particularly offed among the French, for a particular Week, which those who afpire to be admitted Master in any Art or Trade, are atjust to be admitted Mailter in any Art or Trade, are to perform in prefence of the Mailters or Juranda of that Company, by way of Specimen of their Capacity. The Mailter Mailter of Mailter is a Defente biritid either in the Head or in Talan, corrected by a full Arch. That of a Carpenter, a Rampant Carve of a Stirt-Calc, the Spirar well adjusted with the Defente. That of a Loiner, a set well adjusted with the Defente. ral well adjutted with the Defects. That of a Joinez, a Flancbotton Cheft, or a Ducc Cale, or a Sharled-Free. That of a Tiler, a Lathern well conducted in the Farcient, with a Kide, or Tate of a Joinez, when the formation of the Cheft of t

the Trunk and large Branches of the Muffle or Lestisk Tree, either without, or with an Incision. It is temperate in Heat, and of a dry, binding Quality; fo that it freeighten the Stomach, Hay Vomining, etpes liftees of Blood, and tickling Coughs and Catarris. It ittengibers the Reins, and is a good Cleanier, and is for that reason preferrised in Sermini Weaksofflee. The Goldinishs mix t with Turpentine and black lyory, and lay it under their Diamonds, to give them a Luftre. The Maftie is the Product of Scie. The Trees that produce it are cultivated Product of Son. The Trees that produce it are cultivated with a smad. Gars in the View. It himgs in a Revenue of Socool Decease per Annews to the Clerad Signies. There is also a kind of black Mathe brought from Egyl, which the state of the Clerad Signies. The third is also that the Clerad Signies is the Clerad Signies, the Clerad Signies, who taked from the life is the Clerad Signies, who taked in the Signies, who taked it of this Produced in Clie belongs to the Clerad Signies, who taked it of this Produce is limited. It has its Name Mathe, from the Signies of the Clerad Signies, who taked it of this Produce is called the Clerad Signies, who taked it of this Produce is limited. It has its Name Mathe, from the Signies of the Signies of the Clerad Signies of the Clerad Signies.

Womens MASTICATION, in Medicine, the Aélion of elem-ing, or of agitating the folid Parts of our Food between the Texth, by means of the Motion of the Jawe, the Tongue, and the Lipsy whereby it is broke into final Fieces, impregnated with Saliva, and for fitted for Degla-tition, and a more easy Digettion in the Stomach. See

The Mixture of Saliva with the Food, is of absolute necessity for the Saliva with the Food, is of absolute necessity for the Saliva imbibed within the Parts, diffolves the Salts hid in them; and by so doing, prepares the Food for Fermentation in the Stomach: The Food therefore has the Beginning of its Digestion from the Saliva, and its Conclusion from the Ferment in the Stomach. See Sa-

MASTICATORIES, in Medicine, are fuch Remedies as are taken in at the Mouth, and chew'd, in order to pro-mote the Evacuation of the falival Humour; as Tobacco,

more the Evacastion of the faliral Hamouri sa Tobacco, Ginger, Perper, Sage, Refemany, Thyme, Blatti, G.S., Ginger, A. P. Sage, Refemany, Thyme, Blatti, G.S., Freed, S. Harris, G. The Word is a faully apply'd to fach Freedles in the Eody, as have the Appearance of Erealts or Dugs; artifag from a broad Bafu, and terminating in a bould Toy, which was the Company of the Company of

junit. The Word comes from the Goreck pass W, Nipple, Dug, and self-s, Imags, Figure, MATCH, a kind of Coel flightly twifted, and prepared or receive and preferre Fire, for the Ufes of Artillery, Mines, Fire-Works, &c. It is made of hempen Tow, fipun on the Wheel like Cord, but very thack, and is composed of three Twines or Threads, which are afterwards again coverd with Tow y, for that the Twines don't apagain cover a win Low; to that the Twines don't ap-pear; laftly, it is boild in Lees of old Wines; whence is Colour. Since Fusces bave been introduced in lieu of Muf-kers, the Confumption of Match has been much lefs con-fiderable than before.

MATER TENUIS, OF PIA MATER. SCC MENINGER. MATER DURA. Scealfo MENINGES.

MATERIAL, denotes something composed of Matter.
The Epicarent, Spinselft, Ge. own none other but Material
Subtlances; see Susstance. Among Causes, some are Sublances i fee Substance. Among Caules, fome are material, othersformal; See CAUSE. Material Caufes having no Understanding or Liberty, must always act in the fame Manner, when under the fame Circumstances. The Philosophers and Dirines diffrate, whether or no there be any material Forms really diffined from Marker. See Form.

Before them, Affida-Recognizances acknow all People, but thole of their own Sect 3 afferting, that their Souls perified with their Bodies. Thus also the Solid maintain'd, that none but the Soul of their Wife-Men furvived the Body. See Systems.

MATERIALISTS, the Name of a Seel in the an-

Men farired the Body. See S700.5.8.

MATERIALISTS, the Name of a Seed in the antient Charch; compeled of Perfons, who, being prepalfield with that Maxim in the antient Philosophy (as. No.

bils Nobil fig. and fi Nobing stocking can be made), bad reconcerts on a Exertal Marter, on which hery fappoided Out
wrought in the Creation; inflied of admitting God abone
as the fole Casilo of the Livitates of all Thage, 27milJian vigorously uppois the DeChrine of the Nobinderlan vigorously appois the DeChrine of the Nobinderin Treatife against Homogene, one of their Number.

Sec MATTER MATERIA SUBTILIS, a fine fishell Matter, which the Coregion fippole to perrule and ponenters, freely, the Parts of all Boltes, and to fill up till their Norte, for me and the coregion fippole of the part of all boltes, and to fill up till their Norte, for me and the control of an ablithmy freely and to make it conflicted to the control of an ablithmy freely and to make it conflicted to the conflicted of the conflicted to the conflicted of t MATERIA SUBTILIS, a fine fubrile Matter, which and reful vally more. See Resistance. Which is in-conflicient with Promosons. See Vacuous and Parksun-Sir if. Neuron, indeed, allows of the Entitlement of Julian Conflicient of the Promosons of the Conflicient of the the clofielt Bedies, and contributing to the Production of many of the Phenomenca of Nature. The Entitlement of the A Matter the argues from the Experiment of two Thermomenters, which being incloted in Oliaf Vedicient of the Conflicient of the Confli a cold to a warm Place, the Thermometer in same grows warm, and rifes, almost as foon as that in the Air; and if return'd into the cold Place, both cool and fall about

if remark date the cold Flace, boat coal and full about forms. Here, Fught, is not the left of the warm that forms. Here, Fught, is not the left of the warm work fishelf Medium than Art, which remarked in some and the property of the cold to the Force, expanded throall the Heavens? See HEAT, Cold, Es. Again, 'Does not the Refraction of Light 'proceed from the different Density of this Marter in dif-

every Body cadesworks to recode from the desire Parase cowords the rare "See Gran't Para November 1997. The William of this Master, excited on the Markey Fee Gran't Para November 1997. The William of the Master Canada on the Markey Canada on the See Gran't Parase The See Gran't

The first who cultivated Maynemayies after the over, or comment, and so messenshie, as Geometry and Flood, were the Affricance of California from whom, the Thispensority. See Arithmetric, Geometra, Car. Experiments, who preved fish needled Proficient, that A. Hogashie by various Names, as the Subjects they complete make no extensive to the the Milk for Materials. Make, as whose they had been vary it is complete make no extensive to the the Milk for Materials. Make, as whose the Mayne them, wary it is repose tracks to create to fix the first Rife of Mathematics among them. From Egypt, \$8,4 Years before Christiches passed into Greece thro the hands of Theirs, who having learnt Geometry of the Egyptian Priefit, taught it in his own Country. After Theirs, comes Pythogovar; who, among other Mathematical Area with a position was the control of the con his own Country. After Trieft, comer Pylogenesi, who, among other Marthamical Arts, paid a pecular grant of the Estidety from Numbers; and the Second part of the Estidety from Numbers; may be greatly part of the Estidety from Numbers; may be supported to the Estidety from Numbers; may be supported to the Estidety from Numbers; may be supported to the Estidety from Numbers; part of the Second to the Second

Democritus excelled in Mathematics as well as Physics; Democratis excelled in Mathematics as well as Phylicis, a tho once of his Works in either kind are examt the Definedion of which, fome Authers lay at Militale's door. The next in erfect is Plats, who not only improved Geometry, but introduced it into Phylics, and fo laid the Foundation of a folid Philosophy. Out of his School proceeded a Groud of Mathematicisms. Tredus mentions third cecded a Croud of Mathematicins. Protein mentions thire too five Nets, among whom was Londonsus, who improved the duality first invented by Plate; Threaten, who was the Credit of being the fift who as dropen, which has the Credit of being the fift who as the property of the Credit of the gas for the first was a first with a set of the first was a first with a first was the first was a fi

Jifmuny, Menchana invented the Conic Sections, and Treedying and Emenium improved the Elements. For Ariginit, his Works are for theced with Manhematic, his School came behavior and Theophysius: the first of which wrone of Nonders, Gometry, and intelligible. Lies; the latter a Nathementical Higher, To Arigina, the color of Nonders, Gometry, and intelligible. Lies; the latter a Nathementical Higher, To Arigina, which, which, which, which were the color Evolution of Nonders, Gometry, which will be color Evolution of Nonders and National Control of Nonders and National Control of Nonders and National Control of National Company with the latter was the Control of National Company with the latter was the National Company with the latter was the National National Company with the latter was the National Natio sphere; and Archaeder. Cotemporary with the latter was comen, a Geometrician and Africaneme. Soon after came Apademia Pergeus; whose Comes are fill extent. To him are likewise atcribed the 14th and 15th Books of Emily, which are faid to have been contracted by Hypficiae. Hipwhich are fails to have been contracted by Hoppine. His-puries and Meedium were no the Schrigt in a Circle. Subject, we have been a subject to the subject in the subject, we have a Week of Transfer in the Schrift in the Schrift we have a Week of Transfer in the Schrift in the Schrift in about we have a Week of Transfer in the Schrift in the Schrift and the Week of Transfer in the Schrift in the Schrift and the Week of Transfer in the Schrift in the Schrift conservation. The was forecasted by the Thillipolita-cal Problems. After him came Breefen, who commenced on Archivective, and confined in the Department of Philo Directive Vision and Schrift in the Department of Philo Directive Vision and Schrift in the Schrift in the confirmation of the Schrift in the Schrift in the Schrift in the confirmation of the Schrift in the Schrift in the Schrift in the confirmation of the Schrift in the Schrift in the Schrift in the Confirmation of the Schrift in the Schr out Pamps; and Genitur, who came fron after, is pre-ferred by Precise to Euclid himfelf.

ferred by Preview to Eucluh intelf.
Driphamer of Alexandriu was a great Maffer of Numbers, and the fifth Inventor of Alexandriu. Numbers is celebrated for he Arithmetical, Andream, Niewados is celebrated for he Arithmetical, on the Children of the Euclid is Alexandrium of the Children of the Books of Element sciriled to Euclid hindel. The Intel to be named among the Anziens, in Typpus & Anzienski, and in cre-levined for his books of Mithemstantical Oscillater milk. extant.

See the Progress of each Branch of Mathematics, with the Authors who have wrote on it, under the refrective Heads; as Geometray, Mechanics, Aegeraa, A-

MATHEMATICS are diffinguish'd with regard to their End, into Speculative, which reft in the bare Contem-plation of the Properties of Things; and Pratition, which apply the Knowledge of those Properties to some Uses in

With regard to their Object, Manhematies are divided into pune us alfreaf ; and mix'd. Pere Mathematies confider Quantity, abfreckedly; and without any relation to Matter: Mix'd Mathematies confider Quantity as fablishes in the confider Quantity as fablishes in the confider of the conf

ing in material Beings, and as continually interwove.

Pare MATHEMATICS again, either confider Quantity
as diferete, and fo compatible, as Arithmetic; or as con-

Tripmounter, Scc Antenuarte, Grouters, Sc. May Markay and Control and and disinguished by various Names, as the Subjects they consider, and they discuss the subject to the

Mitchamet, when connect numon, or the Laws of moving Bodies. See Moviest.

Hydroflatin, confider the Laws of Flaids, or of Bodies gravitating in Fluids. See Fruits.

Personnelse, the Air, with regard to the Laws and Mentariano thereof. See Airs.

Hydrasiles, the Motion of Flaids. See Fruits.

Histories, the Motion of Funds. Ovision. Opics, direct Light or Vision. See VISION. Categories, reflected Vision. See REFLECTION. Disprict, refracted Vision. See REFRACTION.

Depirit, retracted Vision. See Refraction. Perjetiles, the Images of Objects, in order to delicate or represent them. See Perfactive.

Afternous, the Universe, and the Phenomena of the Heavers. See Heavenly Bodies.

Geography, the Earth, both as in itself, and to its Affections. See Earth.

Hydrography, the Sea, principally as navigable. See

NAVIGATION.

Chemistry, Time, with regard to the meafaring and diffinguishing thereof. See Time, Yean, Eroema, Se. Gessumene, or Dailing; Shadway, in order for determining the Hour of the Day. See Diaz and Swadow.

Pyowedny, Artificial Firex, with regard both to Divertical, and to the Utes of War. See Firex, Rockets.

Military Architeflure, the Strength of Places, with regard to their Defence against an Enemy. See Fourirrearion. Coul Architeflure (now become a Branch of Mathematics) Buildings. See Buildings.

Mufic, Sounds; and their Effects on the Ear, See Sounds

NAMES, OWNERS, MINISTERS ON THE EER, OCCOUNTY, TUNE, GE. For the Elements of each, fee the respective Heads, For an accurate System of all the Parts above mention'd (Muffe alone excepted) orderly digested, and clearly de-monstrated, fee the excellent Welfar's Elements Musicfest

DESCRIPT.

MATHURINE, fee TRINITARIAN.

MATHOR, the first part of the daily Service in the Resign Church.

Manns is fornetimes held early in the Morning, fometimes at Midnight, and femetimes the Even before. And infirm People, even in Monadieries, are dispended from attending Manns. The Word comes from the French Marin, Mornings
MATRASS, or BOLY HEAD, a Veffel of Glass und

MATRASS, or BOLT HEAD, a Veffel of GLifa used by the Chymitis in Ditillation, and other Operations. It is made in form of a Bortle, with a very long narrow Neck. The Marter is lated with Earth, when it is to be placed on a very hot Fire. When 'tis required it should be stopped very clofe, they feel it hermerically. The Word comes originally from the Language of the antient Gald. See Box-Flex in.

Guid. See Four-VILA'S.
MATRICE, Ge MATRIX:
MAT Engravers on Metal that cut or grave the Matrices: See ENGRAVING. When any Types are to be east, the Ma-trice is fallen'd to the End of a Mould, so disposed, as that when the Metal is thrown on it, it may fall into the Creax or Cavity of the Matrice, and take the Figure and Imprefiles thereof. See Letter Foundery. See alfo TYPE, and PRINTING.

The MATRICES ofed in Coining, are Pieces of Steel in The mATRICES sign in Coming, are Pieces of Steel in form of Dyes; whereon are congraven the feveral Figures. Arms, Characters, Legends, &c. wherewith the Species are to be flamp? A The Engraving is perform'd with feveral Puncheons, which being form'd is relieve, or prominent; when fitned on the Metal; make an indented however the work of the Metal; make an indented however the which the England of the which the Company of the white Imprefition, which the French call en creax; and for which, I don't know we have any precise Name at all. See the Manner hereof under ENGRAVING on Steel. See also

COINNO.

MATRICULA, a Register kept of the Admission of Officers, and Persons enter'd into any Body or Society, whereof a List is made. Among Reclessistical Authors, we find mention made of two Kinds of Matricals's: to con-

containing a List of the Excientifiles; the other of the the Morrier Rhyfur and Porse otherre, that forme Perfora
Porer Individual as the Expense of the Church. The have been cared of Differies, by hering the Morries charwhere the Porse were proprieted as I and of Alme-boarts, parted. In 1809, a Cold was produced as the Period Acawhere the Porse were proprieted to ft, and was initially bailt near the
where the Porse were and the Section of the Morries of the
reason appropriated to ft, and was initially bailt near the
where the Porse were the Morries of Morrie

the Church itself.

MATRIX, or MATRICS, any thing serving for the
place of Generation of a Body: whether Organizal, as the
Matrix or Womb of Fernale Animals, for the Production
of the Species; or Inorganizal, as those of Vegerables,
Marile and Microsol.

tals, and Minerals.

MATRIK, in Assump, the Uters, or Womb; or that pare of the Festale of any Kind, wherein the Fatter is conceived and nourifined till the Time of its Delivery. In Women, it is fituated in the Febric, or Capacity of the 18-page[frient, between the Urinary Bladder and the Imegipsightiess, between the Urinary Bladder and the Integra-men Rellens, and reaches as fir as the Flanks. It is trounded and defended by mighty Benes; before, by the Illius and fichium. It is in figure formewhat like a flat Illius and fichium. It is in figure formewhat like a flat pands and recrived afform when with Child, if ex-pends and recrived afform when the contraction of terms. Times and Circumfinence of Gethaton. It has for-ter than the contraction of the contraction. breat Times and Circumfiances of Gethinion. It has fe-veral Coast, Arrectes, Viera, Nerves, and Lipatients, and is intervoorse with feretal different Kinds of Fibres: Ana-countil divide it into the Fands and Cervi 1 a broad Jarv. control to the Committee of the Committee of the Committee of the one to that of the other, about there can be a set of the one to that of the other, about there can be a set of the set of the Committee of the Committee of the Committee of the pulled the Committee of the Committee of the Committee of the Needs. That of the Committee to contain a Garden-Bean. At the Bottom or Neck, to wards the Fambau, it grows very narrow in Vigins; the Ex-tremity of it is call'd the Ofcolum Internant. In pregnant Women it opens, more effectally towards the Time of Delivery. The other and lower Orifice of the Neck, Delivery. The other and lower Griffen of he Neck, towards the Varigas, called (foliane Intermes, it a little prominent, refembling, in fome mentince, the Glands of the Virile Gagas. The Sublinace of the Marier is memory of the Wirle Capas. The Sublinace of the Marier is memory of the Consumer, in derived from the Povincous, and conflist of the Gamanni, in derived from the Povincous, and conflist of the interior ranged and unevern. I thin, call'd all the the interior ranged and unevern. The whole Nature, and connect is to the right Interliane, Bladder, Gr. The middle Tunks is very thick, and compled by the property than the property of the Consumer is the Consumer in the Consumer is the Consumer in the Consumer in the Consumer is the Consumer in the Consumer in the Consumer is the Consumer in the Consumer in the Consumer is the Consumer in the Consume contributes to the exclusion of the Farney the others ima-gine, it ferves only to recover the Tone, after any violent Di-dension. The inner Tunk is nervous. The Matrix is con-nected by its Neck to the Fagina; behind, by its outward common Membrane, and before by the fame to the Bladder. Its Sides are tied to other Parts; but the Fau-tic Life Life that it may assent at Ald The Bladder. Its Sudes are tied to other rarts; but the sub-dust is left lood, that it may expand and dilate more free-ly. Its Ligaments are four, two of which are called lossed, and two resund, from their Figure. The broad? Ligaments are membrasous, loode, and foft; whence they have been compared by fome to the Wings of Bars, and called the Poperationson. The round Ligaments are of finings features, are could to 4 aloub to Membrane, wrap-finings for the surface of the subfamer Texture, and conflict of a double Membrace, wasped up in the Arteries, Vasia, Nerves, and Lymphardelf. The Blood Velfels, both in these set the road Ligamona, make a great part of what is called their Sob-slance: These, as well as the others, serve to keep the Womb his raisely Positions; and are very liable to be injured by ankthful Midwires. On each Solie of the Final Company of the Com and towards the End is contracted again: At the End next the Osaria, which is at liberty, it expands again into a kind of Foliage fringed round is which Expandion Take para, the first Dictoverer, imagined like the End of a Trampet; whence he called the whole Dolf, Take. It conflits of a double Membrane. Both Veins and Arteries conditis or a counter memorane. Born veins and Arrentes are very nanierous here, effectially the latter, which, by various Ramifications and Contorfions, make the main Subflance of them. Dr. Whaten gives them Valves, but the other Anatomitis difallow it. See Fallovian Tubes,

RAL, Ec.

Manalx is also used, the figuratively, for several Things, wherein there seems to be effected a kind of Gerange, wherein there learns to be effected a kind of Ge-neration; and where certain Things feems to acquire a new Being, or at least a new Manner of Being; of this kind are the Moulds wherein the Printers Types or Letters are the most as wherein the Printers Types or Let-ters are caft, and those used in striking Money and Medals, call'd also Come. See MATRICE.

MATRON, among the Romans, fignify'd a matried Woman, and the Mother of a Family. There was, how-ever, some difference between Matrona and Mater-familian. ever, fome difference between Marsons and nature-formation. Seevins Lays, that fome imagined the Difference to life in this, That Marsons was a Woman who had one Child, and Matter-familias the that had feweral. But others, particularly shale 60kms, take the Name Marsons to belong to a married Woman, whether the had any Children or no 3 to the control of the contro a married Woman, whether the had any Unitaren or no a the Hope and Expectation of having them, being enough to warrant the Title of Mother, Marrina: and for which reason it is, that Marringe is called Marrinsury. This Opi-nion is supported by shall solling and horizon. MATRONALIA, Feaths of the Roman Ladies, or ra-

ther Marseii, celebrated on the Calends of March, in ho-nour of the God Mars. No Men living in Celibate; were allow'd to affift at the Feath. The Word comes from the

atin Matron.

MATROSSES, are Soldiers in the Train of Artillery, next below the Ganners is their Para of Artillery, next below the Ganners is their Days is to affilt the Gunners in travering, fpunging, loading, and fixing of Guns, &c. They carry Fire-Locks, and march along with the Store-Waggons. MATTADORE, fee OMBRE.

Some Waggene, Dr. Fer Outer, and Martie Rev. Boory, an exameted, failel, divisible, moreable and pulive Subtinee, the first Principle of all security of the second principles of the security of the second principles of the security of the second principles of the second

of them must conflict its Effencer and fince Extension is conceived prior to all the rest, and is that, without which note of the rest can be conceived. Extension is that which some of one crit can be conceived. Extention is that which conflictness the Effence of Matter. But the Conclusion, here, is unjult; for on this Principle, the Exiltence of Matter, according to Dr. Clark, would have the fureft Title to conflictness Effence, the observation is being conceived prior to all Properties, and even to Extention. Since then

prior to all Properties, and even to Extration. Since these the Word Extragion appears as go printer, and to be more Word Extragion appears as go printer, and to the more defined to all More, and to flower the soliday, which is efficient to all Notice, and to flower the properties, be called the Island of More. See Extract.

11 in Properties mannifold plane, may with more Property, be called the Island of More. See Extract.

12 in Properties and More and Speak of More and Could mixture be formed that the see and could mixture be created one annihilated, which is written to the Speak of More and Country of More and Co VACUOM and EXTENSION

Many among the old Philosophers maintain'd the Eter-Many sarong the old ratiotophers maintain'd the Exten-iny of Matter, out of which they fuppofed all things to be formed by the hands of Nature; as being unable to conceive how any thing fhould be firmed out of no-thing. Plast maintain'd, that Matter had existed exten-ally, and concurred with God in the Production of all things, as a paffire Principle, or a kind of collateral Caute. See Expansive.

composed. See ELEMENT

compefed. See Kermert.

Di. Hestama's of an Opinion, not very unlike it; eie.

That Matter is originally and teally very different, being
at its fift Greation divided into feteral Ranks, Sets, or

Kinds of Corpulcies, diffeting in Subhance, Gravity,

Hartherft, Flestibility, Figure, Size, Ee. from the various Composare and Combinations of which, affice all the Varieties in Bodies, 2s to Colour, Hardness, Gravity, Taftes, Sc. But Sir If. Newton takes all those Differences to refult from the various Arrangements of the fame Mar-ter; which he takes to be homogeneous and uniform in See Corpusci

all Bodies. See CORPRECE.

Befidde the Properties of Matter bishero known, Sir II.

The has bedieved by the control of the Corporation of the Corp

therwise nexpitable. See Cortainon,
For he takes occasion to obleve, 'That all Bodies form
to be compounded of hard Particles. Even Light infelt, and all other the most volatile of Fluids; infomuch as Hardnefs may be efteen'd a Property of all
incompounded Matter: at least the Hardnefs of Matter incompounded Marry: at least the Hardens of Marrie Hands on as good a few at shat of in Impenentability; all the Bodies we know of, being cither hard them-felver, or being capable of being hardend. Now if Compound Bodies be fo hard, as we find founce of them, and yet are very porous, and conflict off Parts which are only laid register; the final ple Particles, which are void of Peres, and were never yet divided, must be much harden. Now fich hard Particle being heaperle ago-penies, and therefore must be fearathing with wear hold. anner, sow toth ante rattices being height of perfect of perfect of perfect of perfect of the perfect of perfect of the perfect of perfect of the perfect of elaftie: returning to its Figure with a Force arising from the mutual Attraction of its Parts. If the Parts flide the mutual Attraklion of 11st Farts. 11 the Farts mucup men one ambore, the Body is mellicable or fifth. If they flip eafily, and are of a fit Size to be agitated by Heat, and the Heat is big enough to keep them in Agitation, the Body is finish and if it be apt to flick to things, it is about 2. And the Draw of every Fluid affect a round Figure by the mutual Attraction of their Farts, as the Globe of the Earth and Sea saftch a round Figure, by the mutual Attraction of its Parts of Gravity,'

ATTRACTION.

ATTRA allitmative Quantities ceale, there negative once begins 1 to 1 mechanics, where Attracline ceales, there a repair-free Virtue, feems to follow, from the Reflections and Inflections of the Net of Light, whether you begins and Inflections of the Reys of Light; whether the Impediate Constitute of the Reflecting and Inflections of the Reys of Light; without the Immediate Constit of the Reflecting or Inflecting Body. The Santon of Light; the Reflecting or the Reflecting of Light; the Reflecting that the Reflecting of Light; the Reflecting that the Reflecting of Light; the Reflecting of Light; the Reflecting that the Reflecting of Reflecting the Reflecting that the Re thing forms alfo to follow from the Emiffiant of Light; a alky, as loos as laktuce of from a liming Body by the vibrating Motion of the Barts of the Body, and go beviared the Barts of the Body, and go because the state of the Body and the Barts of the Body and the Barts of the

great Strength, and keeping at a diffance, fo as futic-times to take up above a Million of Times more Space, than they did before in the Form of a denfe Body. Which vast Contraction and Expansion seems unintelli-ble, by seigning the Particles of Air to be springy, and ble, by feighing are rarticles of Air to be ipringy, and ramons, or rolled up like Hoops, or by any other mean than a repulfive Power. The Particles of Fluids, which do not cohere too flrongly, and are of fuch a Smallnefs, as renders them most fusceptible of those Agistations, which have Figures in a Florer which keep Liquors in a Fluor, are most easily separated and rarefied into Vapour, and in the Language of the and ratched into vapour, and in the Language of the Chymitis, they are estately as rarefying with an early Hear, and condensing with Cold. But those which are greafer, and so less susceptible of Agitarion, or cohere by a fitninger Attraction, are not separated without a strenger Heat, or perhaps not without Fermentation. And these last are the Router Manner. Her, or perhaps on without Euroceanian. And latin at the floatin, which Chymits all floods and being narrised by Fernementon, become true permanent and the floating the floating the floating floating the floating floating the floating floating the floating floating floating the floating flo that dry Powders are difficultly made to touch one ano-ther so as to flick together, unless by melting them, or wetting them with Water, which by exhaling may wetting them with Water, which by exhaling may bring them together; and that two polified Marbles, which by immediate Contact flick together, are diffi-cultly brought fo clofe together, as to flick.' See Re-ELLING POWER.

HELING FOWER.

He further observes, 'That all things confider'd, it feems probable God, in the Beginning, formed Marter in folid, mally, lard, impractiable, moveable Patricles, of fuch Sizes, Figures, and with fuch other Properties and in futh proportion to Space, as most conduced to the End, for which he formed them; and that their the End, for which he formied them; and that thefe-primitive Particles being Solid, are incomparably har-primitive Particles being Solid, are incomparably har-per to the second solid solid solid solid solid solid for the party are to the second solid solid solid solid for the party are to the second solid solid solid solid made one in the first Oceasion. While the Particles con-tinue centric, they my compose for solid or does and the made one in the first Oceasion. While the Particles con-tinue centric, they my compose for solid or does not wear away, or brank in pieces, the Nature of Things depending on them, would be changed. Water and Earth, composed of old worn Particles and Fragments of of Particle, would not bee of the inner Nature and Texof Particles, wailed not beef the lame Nature and Tex-ture now, with Water and Earth composed of entire Par-ticles in the Beginning. And therefore that Nature may be lating, the Changes of Corporal Things are to make the Composition of Particles, and new Af-fectations and Mexicos of Particles, and new Af-fectations and Mexicos of Particles, and the mislit of fluid Particles, but where those fractions are the mislit of fluid Particles, but where those are laid to-genter, and only tuned in a few Points. gether, and only touch in a few Points.

of tild Particles, but where their Particles are Juli degetiers, and only more his a few Foreign but we not only a
grider, and only more his a few Foreign
First Interior, accompany of with first particle are of thetion, an anturally relatif from that Foreign has a few
foreign and the state of the state of the state
that of Grevity, and that which cathed his of the
that of Grevity, and that which cathed his of the
that of Grevity, and that which cathed his of
the state of the state of the state of the
that of Grevity, and that which cathed
the state of the state of the state of the
that of Grevity, and the state of the state
of Name, by which the Things themselves are formed,
the Truth appearing to as thy Theosomera, the the
Greatest arctine, Francisca, Gravity arctine, Itzavicer vir, Hardman, Gravity and the Control
of Francisca review, Francisca, Gravity arctine, Itzavicer vir, Hardman, and their Differences are fift from the
different Modification, Mostone, 40. Thus Monte accurately
and in catched all spirits out of the World. See StriatMichelely, on the course, argues appetit the Evilence
Michelely on the course, argues appetit the Evilence
The string and the String of the Mind : Thus,
Thy lee, that existen course of the string
the string of the string of the string
the s

dy, I should say it existed; meaning thereby, that if I were in my former Situation, I should see and feel it as before. Again, I fay there was Odour, r. c. I finelt it; a Sound, r. c. it was heard; a Colour or Touch, r. c. is a Sonal, ès in was bourd à a Colore ne l'occh, et le is a Sonal, ès in was bourd à a Colore ne l'occh, et thur au he remen by him Experimen a fre a vo the abfolute Saillence of any unmining Being, difficile form it sonap receptor, di se Calmen. Neur dif-ficer ou et de l'india the provere them. Again, stitues ou et d'et loinat the provere them. Again, stitues ou et d'et loinat the provere them. Again, sonale and what do we perceive, but oue our liées se that un elliss sail free, gif- but Thang perceived by Sonale and what do we perceive, but oue our liées se than of them cairi steperceived. I Wast are light and Colour, Heir and Cold, Exercision and Figure, but for sonale and the Color and the service of the service form Ferepton ! The next to differition, therefore that all the Color of Heaven, and Farminare of the Earth in a word, if the Bools that compute the silvent hand a therefore the sorting mere them there being per-ceived is and therefore as long as they doer cast in under perhaps in the Mind of forms Exercal Spirit. It is person therefore, which the Light of a Assum, that it was perceived by Sight or Touch. This is the utmost owness permaps in the Mind of tome Riverial Spirit. It appears therefore, with the Light of an Axiom, that there is not any other Subflance but Spirit, Sc. See Inquiry onto Principles of Haman Knowledge. See Extendit World District.

sown year Crossper of Homes Americally. See Extrahammer Crossper of Homes Americally. Securi, ILAN, see
that diffinguill'd: Matter in Deal fignities nothing elfo
but a Truit as be proved, the note by on Record, and
the truit of the proved, the note by on Record, and
Record: For exemple, If a Man be food to so Exiquen,
during the time. No was in the Kingly Wars, this in America
in Deel, and not Mantey of Roome. And therefore be that
Freight, before Execution be awarded aspinit lime; for
after that, nothing will ferre but Mantey of Roome,
from the Homest of speciality of Record.
Things are promote Musterilon. See REPRINE.
MATURATION, in Patramey, a Preparation of
the Control of the Control of the Roome Review of the Roome
from the Mantey of Roome Review of the Roome
from the Mantey of Roome Review of the Roome
MATURATION, in Patramey, a Preparation of
the Roome Review of the Roome Review of the Roome
from the Roome
fr

MAUNCH, is the Figure of an antient Sleeve of a Cost, fo called by the He-ralds, and is borne in many Gentlemen's Efcurcheous: as in the Earl of Hanting. den's, in those of Coniers, &c.

MAUNDAY THURSDAY, the Thursday before Eafler, so called from the French Mande, i.e. Specials; it being a Castom on that Day to give larger Bounty to certain poor Men, whose Feet the King wash'd.

poor Men, whole Feet the King walls d.
MAUSOLEUM, a maggineest Tomb, or funeral Mo-nument, confifting of Architecture, and Sculpture, with an Epitaph 5 creded in honour of fome Prince, or other al-latirious Perfort as the Manifelam of Angulptu at Rome. The Word is also used to fignify the Decoration of a Tomb,

Initiation Perfect as the Manfeleons of Amplies at Bost. The World ist of cold to fignify the December of a Tourist, or Casifishia, in a fazers! Imps. The wind convention of a Tourist, or Casifishia, in a fazers! Imps. The wind convention of a Tourist, or Casifishia, in a fazers! Imps. The wind convention of the Conv bides, which fees four Holes or Evamina for the Paffage of Veffels, and five Pair of proper Muscles, vie. the Co-supplyers of Temporal, the Musclest, Bivener or Digafrican,

Pergysidus Internat, and Pergysidus Externus. See cecili in In Pince. Coco services, Nameran, 16MARLLANKS (Sombale, a conditionable Clinted of the MARLLANKS (Sombale), a conditionable Clinted in toward to the Company of the Compa

MAXIMIS BY MINIMIS, a Method to called, in ufe MAXIMIS EX BINIMIS, a Method fo cettled, in use among the Mathematicians, whereby they arrive at the greatest to levil yedible Quantry strainshien may Gale; in the control of the control of the control of the interest seed storage to forme, certain Term, which one paid d, they begin again to interest or decreate, the Ma-thematical control of the control of the control of additional to the control of the control of the additional to the control of the control of the additional to the control of the paid to the control of the control of the control of the control of the paid to the control of the control of the control of the control of the theory of the control of the control of the control of the control of the theory of the control of the theory of the control of the contro

coffein degrete, out seen new most aways we expressioned.

The Mitched et Mentine of Manuser, it belt managed by
the Calcius Deferencials, or Thexine. The Rule in: Hethere was a second of the control of the Calcius of the
the Calcius Deferencials, or Thexine. The Rule in: Hethere was a second of the Calcius of the Calcius
pooled = c<sub>2</sub> by this means all their Members of the Equantum, in which is the food, will vashing, and he remains
quantum, in the food of the Rule in, that
covery belowmen to thinsime in it is now manuse a kiloliu
Manuser deficiel. Now the residue of the Rule in, that
covery belowmen to thinsime in it is now manuse a likeliu
Manuser deficiel. Now the residue of the Rule in, that
covery belowmen to thinsime in the literation of a permation of the Rule of the Rule
into the Administration of the Rule in the
literation of the Rule of the Rule
into the Administration of the Rule
into the Rule of the Rule
into the Rule
i

ax - xx = y

Wherefore adx - ax dx = ay dy = a

e - 2 X Bar O

∳ a == x.

The Line A B therefore is to be cut into two equal Parts; and the Square is the greatest of all Rectangles, whose Altitudes and Bases, taken together, are equal to each other. See FLUXIONS.

other. See FluxIONS.

MAXIMS, a kind of Propositions, which, under the
Name of Maxims and Axioms, have passed for Principles
of Science; and which being self-evident, have been sup-

of Science; and watern tening test-evident, have been sup-posed sinnate. See Axion.

For the Reasons of the Evidence of Maxims: It may be observed, That Knowledge being only the Perception of the Agreement or Difagreement of Ideas; where that Agreement or Disagreement of tacas; where that Agreement or Disagreement is perceived immediately by itself, without the Intervention or Help of any other Ideas, itlell, without the laterwation or Help of any other Ideus, there our Knowledge is felf-reident; which being lo, nor only Maxims, but an infinite number of other Propolitions, partial equally with them in this Solf-Evidence. Thus, that a Gircle is a Circle, Blue is not Red, are as felf-evident propositions, as the substitution of the fact and not to be. Not can the Confidentiation of their Axioms add any thing to the Evidence or Certainty of our Knowledge of the

As to the Agreement or Difagreement of Co-exidence, the Mind has an immediate Perception of this but in very few. And therefore in this Sort we have very little intuitive knowledge; the in some sew Propositions we have: Two Nowledge; too in tome sew propositions we used a law Bodies cannot be in the fame Place, is a felf-evident Proposition: the Idea of fitting a Place equal to the Construction it the Idea of fitting a Place equal to the Construction it is Seporatical, being annexed to our Idea of Body. As so the Relations of Modes, Mathematicians have framed from Author operating that one Participance Foundation. many Axioms concerning that one Relation of Equality; as that Equals being taken from Equals, the Remainder will be equal, Se. which however received for Axioms, yet have not a clearer Self-evidence than thefe, That One and One are equal to Two; that if from the five Fingers of one Hand you take two, and from the five Fingers of the other Hand two, the remaining Numbers will be equal. As to real Existence, fince that has no Connection with any other of our Ideas, but that of ourfelves, and of a first Being; we have not so much as a demonstrative,

a first Being 3, we have not so much us a demonstrative, much left a felf-evident Knowledge concerning the real Existence of other Beings. See EXISTENCE. For the influence of MARIMS on the other Parts of our Knowledge: The Rules established in the Schools, That all the second of th Reasonings are ex pracognitis & pracoceeffs, seem to lay the Foundation of all other Knowledge in these Maxims, and roundation of all other Roowledge in these maximity, and to fuppose them to be procognia a which implies two Things: vio. That these Axioms are chose Truths first known to the Mind; and, That on them the other Parts of our Knowledge depend. But, first, That these Axioms are not the Truths first known to the Mind, as evident are not the Trüths firit known to the Mind, is evident from Experience. For who knows not that a Child per-form Experience. For who knows not that a Child per-knows it impediable for the fame Thing to be, and not to be! And how many Truths are there about Numbers, which the Mind is perfectly acquainted with, and fally which the Mind is perfectly acquainted with, and fally account Hence it follows. That the fem magnified Maxims are not the Principles and Foundations of all our other Knowledge, for there are a great many other Turths, Knowledge, for there are a great many other Turths, as felf-evident as they, and a great many that we know before them, it is impossible that they should be the Prinbefore them, it is impossible that they should be the Prin-ciples, from which we deduce all other Trents. That, That One and Two are equal to Three, it as evident, and easifier known, than that the Whole is equal to all its Parts. Nor, after the Knowledge of this Maxim, do we know that One and Two are equal to Three, better, or more certainly, than we doll before. For if there be any know that Ohe and Two are cigal to Three, better, or more certainly, has weld before. For if there be any odds in their liters, the Ideas of Whole and Farts are more obdient, or a tells more efficient, or let of more obdient, or a tell more efficient to be fertiled in their first, and the state of their contractions of the object of their contractions, and Knowledge does not depend on Twoquest, or greenty Maximus, called Principles; or elfe furth as their Chita Ohe and Ohe are Two, that Two and Two are Forn, \$Go.) and a greet part of Namerston, are Maximus, Two and, if we add any the fell evaluate Two professor that the state of the s

may be made aboet all our difficat Meas, Frinciples will be almost infinite; and a great many inaste Principles, many Men never come to know all their Livre. General MaxIMs then may be of use in Dispates, to stop the Mouths of Wranglers; but are of little in the Discovery of anknown Trushs. Several general Maxims are no more than bare verbal Propositions, and teach us are no more than bare verbal Propositions, and teach us nothing but the Refpect and Import of Names one to as other; as, The Whole is equal to all its Parts: What real Truth doth bis teach us more, than what the Signification of the word Tabum, or Whole, does of itself import? If rightly confiderd, we may fay, that where our legas are clear and diffind, there is little or no offe at all Meas ne clear and diffield, there is luttle or no use at all of Massies, to prove the Agreement or Diffugerment of any of them. He that needs any Proof to make him certain, and give it Affest to this Proposition. The I was care capta to I'ven, or the White is not Diffuse to the Contract of the Contrac

Locat.
MAY, the fifth Month in the Year, reckoning from the
fift of Jamesty, and the third, in counting the Year to
being with Morals, with a principal did. In this Mosale
being with Morals, with a principal did.
In this Mosale
to flower, It was called Minst by Romake, in respect to
Majorat; as the following Month was called Jiman, in the
first thin the May of the May of the Morals, in the
first thin the May of the May of the Morals, in the
first thin the May of the May of the Morals, in the
first thin the May of the May of the Morals, to whom
Mada, Ja pandrone term another. This Month was under the
Protection of Joyle, and therein also they keep the Teller

19 Protection of Joyle, and therein also they keep the Teller

val of Eona Dea, that of Coblent, call'd Leonaria i and the Ceremony of Restforium, or the Expulsion of the Kings. The Vulgar have a great opinion of May-Dew and Batter. See Daw. The Month of May has ever been eftern d very See Dew. The Month of May has ever been ettern a very frourable to Lowe; and yet rich Antients, as well as many of the Moderns, look on it as an unbappy Month for Mariage. The Reafon may perhaps be refer'd to the Feath of the Lowares, which was held in it. One allades to this in the 5th of his Fafti, when he fays,

th of his Fajit, when he says,
Nee Vidue tails tadom, nee Virginis apid
Tempora; que maplit, non dintuena fuie:
Hac quoque de Canfé, fi te proverbia tangant,
Menje malas Vaino Natore unique est.

MAYL, in Falconry, is to pinlon the Wings of a Hawk

Hawk.

MAYOR, the Chief Magifitate or Governous in the
Girles and moff Corporation-Towns of England; chofen annually by his Peccs out of the number of the Aldermen.

The Mayor of the Place is the King's Licutenan, and with
the Alderman and Common Council, can make Lawe, called By-Laws, for the Government of the Place. He has the Authority of a kind of Judge, to determine Matters, and to mitigate the Rigour of the Law. The Word comes from the antient bringh Miret, enfodere, to keep. King Ri-

The third is the Court of the Lord Mayor and Aldermen, The third is the court of the Lord Mayor and asserting, where also the Sheriffs is a declined by the Castri of Sheriffs; and the Castr of the Cart of the Cart of the Lord Mayor and Aldermen have the Caffody.

The Castri of Camuses-Castrill, confifting of two Hoofes a the cast of the Lord Mayor and Aldermen have for all the castrilly card Mayor and Aldermen have been sent the castrilly card Mayor and Aldermen and the castrilly card Mayor and Aldermen sent the castrill castrilly card Mayor and Aldermen sent the castrilla card mayor and t

the one for the Lord Mayor and Aldermen, and the other for the Commocors: In which Court are made all By-Laws, which bind the Citizens.

Under him is also the Chamberlain's Court, where every thing relating to the Rents and Revenues of the City, as also the Affairs of Servants, &c. are transacted. Laftly, To him belongs the Courts of Coroner, and of Eschentor; another Court for the Conferention of the Brown of Thames; another of Goal Delivery, held ufaulty eight Times a year, at the Old-Easter, beld ufaulty eight Times a year, at the Old-Easter, for the Tryal of Criminals, whereof the Lord Mayor is himself the chief Jodge. There are other Course call'd Warnboots, or Meetings of the Wards 3 and Ocurts of Heberste, or Alternablics of the Everal Guilda and

Frastroities, Moleclome, agreeable Liquor, prepared of Honey and Water. One of the bell Preparations, is as follows: I not severe Calline of Water, liph the Whites Calline of Water, liph the Whites Mixture adding twenty Forsals of Honey. Let the Liquor bell an hour, and when bolled, add Clanamon, Ginger, Clores, Mace, and as little Rofemary. As feen as keeping the Verlief Elif's at is works; when it has done working, step in up clofe, and when fine, bortle it off for UE.

MEAN, the Middle between two Extremes. See Map-DLE and EXTREME. Thus, we fay, Mean Motion of a Planet; its mean Diflance, &c. meaning a Motion or Diftance, which as far ex-

Jame, Be. meaning a Motion or Diffance, which as far ex-cects the leaft Diffance, or Motion, as it is exceeded by the greatest. See Motion, Distance, Se. Mean, in Logic. See Medium. Mean Propertions. See Extreme Professional. Mean Propertional. See Thorontional. Mean Time, See Time.

MEAN Time. SEC TIME.

MEAN ACID, 10 OPEN. SEA ARI.

MEAN ACID, 10 OPEN. SEA ARI.

MEAN, in Law, refers either to Time or Dignity.

MEAN, in Law, refers either to Time or Dignity.

Thus, in the first (fine, we fay, had Alben was seen being the first of the control of the contr

Day, like Flea-Bites, over the whole Body; but thicker and redder, and with greater Inflammation, than those of the Small-Pool, and vasish in our or fix Days after ap-pearance: being, when at the height, oor larger than Pins Heads. The Meesle is more fieldly than dangerous tho it often inclines to Confunctions, by a Congh which it leaves behind. See VARIOLE

MEASURE, in Geometry, any certain Quantity af-famed as one, or Unity, to which the Ratio of other ho-moseneous, or fimilar Quantities is express'd. This Defifamed as one, or Unity, to which the reatio or other im-megeneous, or finilize Quantities is exprecial. This Defi-nition is fone-what more agreeable to Practice than that of Earlid, who defines Meylare by a Quantity, which being re-peated any number of Times, becomes egual to another. This only answers to the idea of an Arithmetical Measure,

or Quota Part. See Quota Part.

MEASURE of a Number, in Arithmetic, is fuch a Number as divides another, without leaving any Fraction; thus 9 is a Measure of 27. See Number.

a Meajore of 27. See Number.
Measure of a Line, is any right Line taken at pleafure:
The modern Geometricians use a Decomptede, or Perch,
divided into 10 equal Parts, call'd Feet. The Feet they
subdivide into 10 Digits, the Digit into 10 Lines, &c. See

This Decimal Division of the Mensione was first intro-duced by Stevinus, probably from the Example of Regio-manualus: The Index or Character of Decempede he made mountains: The Index or Character of Decempeds he made c, that of Feet s, of Digits s, of Lines 5, Ec. which, in regard the Medium was fabdivided in a decaple Ratio, were the Logarithms of the Division. Beyor, in least thefe, express'd the Logarithms by the Roman Characters, the Percent of the Comment of the Commen were the Logaenhaus of the Diptime. Boyer, in lieu of week, the Logaenhaus of the Diptime. Boyer, in lieu of week, 17 keVerle, a Ferri, 17 keVer, and a Lieue, he expected that y.\*\*, s.\*\*, s.\*\*. Th, frequently, round commission to require the language, or bettles, from the expected that the logaenhaus of the Diptime Divinion channels in their common hollowing. The Divinion Divinion channels in their common hollowing. Manuter s/a language the Common hollowing and the Divinion Divinion channels in their common hollowing. Manuter s/a language the Common hollowing and the Common hollowing the Co

In a is faid to be of fo many Degrees, as is the Arch fd.

See Anor.:

Measure of Felosity, in Mechanics, is the Space pefi'd over by the moving Body in any given Time. To measure a Velocity, therefore, the Space most be divided into as many capal Parts, as the Time is conceived to be divided into. The Quantity of Space onfewering to fach an Article of Time, is the Measure of the Velocity. See

VELOCITY.

MEASURE of the Mass, or Quantity of Matter in Mechanics, is its Weight; it being apparent, that all the Matter which coheres and moves with a Body, gravitates with and it being found by Experiment, that the Gravities of homogeneal Bodies, are in proportion to their Bulks 5 hence, while the Mais continues the fame, the Weight will be the fame, whatever Figure is pure on: its abfolute Weight, we mean; for as to its specific Weight, it varies as the Quantity of Surface varies. See Velocity, Weight, it varies as the Quantity of Surface varies.

MEASURES, therefore, are various, according to the va-rious Kinds and Dimensions of the Things measured. Hence arife Lineal or Longitudinal Measures for Lines or Lengths; Square Monfares for Aren's or Superficies; and Salid or Ca-bic Meafares for Bodies, and their Capacities: All these are very different in different Countries, and in different Ages, and even many of 'em for different Commodities.
Whence arife other Divitions of Describe and Foreign Meafores, Antient and Medern ones; Dry and Liquid Meafores,

Scc.

The Befinets of Mosferer has been fo confisfedly, and wished in impericelly delivered by our Topifs Winters, then the Renders with more difficulted with the plans were the second of the plans with the plans of th

The English Standard Long MEASURE for Commerce, or that whereby the Quantities of Things are ordinarily effi-mated in the way ut Trade, is the 250d; containing three English Feet's equal to three Paris Feet, 1 Inch, \(\frac{1}{2}\) of an Inch; or \(\frac{2}{3}\) of a Paris Ell. Its Divitions are the Feet, Span, Palm, Inch, and Barley-Corn, which fee under their Inch 3 or § or a Farm Ell. Its Divisions are the rec-posit, Fallin, Inch, and Barley-Goran, which less most refer respective Heads: Foor, Incn, &c. Its Multiples are the Face, Fathon, Pole, Fac Hory, and Male. See MILE, FURLONG, POLE, &c. The Proportions these several bear to each other, will be expressed in a Table for the

The French Standard Measure for Commerce is the Anne or El, containing 3 Paris Foct, 7 Inches, 8 Lines; or 1 Yard, 5 Englis ; the Paris Foot Royal exceeding the Englis by the Paris, so no of the following Tables. This Ell is divided two ways; vio. into Halvet, Third, Sixibi, and Twelfiles, and into Quarters, Half-Quarters, and Su-

This Ell holds throughout the greatest part of France; excepting at Trayes in Compagne; at the in the Barwass; in forme parts of Francy and Bargondy, where it only contains two Foot, five Inches, one Line; in Bretagnes, where it contains four Foot, two Inches, eleven Lines; and at 3. Geoms in Berry, where it exceeds the Fam Ell by eight

Sciences in Berry, where it exceeds the Farn Lit by eight Lines. See ELL.

But in Languades, particularly at Manfeller, Mangeller, Paulage, in Procence, Geneme, they measure by the Ganna, which at Thelegic and in Guetnee contains five Pavil Eeq. five Inches, and fix Lines 50 once Pavil Ell and a half.

At Manpeller, and throughout the Lower Languadee, as also in Provence and August, and even Dauphine, the Causa is fix Fout and nine Lines; or one Park Ell, two Thirds. Sec CANNA.

Standard Meassace in Holland, Flanders, Sweden, a good part of Germany, many of the Hans-Towns, as Damesic and Ham-barry; and at Gencoa, Francjus, Scc. is likewise the Ell a But the Ell in all these Places differs from the Paris Ell.

But the B.I in all theft Pliese offices from the Prof. B.II. in Infining, it common one Prof. Doc. (see: Line, see time Infining, it common one Prof. Doc. (see: Line, see time Infining, it common one Prof. Doc. (see Line, see See Line, see Line, see Line, see See Line, see See Line, se

Moders, and Mones, the Braze is the farme as A Virtue; A Moders, and Mones, the Braze is the farme as A Virtue; and Lucei is contain one Paris Fost, in eline fact, text, lainer, or half a Paris Ell. At Hornes is contain one Use, make the Paris Ell. At Mollar, between the contains one Use, and the Paris Penes of the Mones of the Mones of the Mones of the Paris Penes of the Paris Penes of the Paris Penes of the Paris Penes of Paris P the Storter Gazge, call'd fimply Gazze, only two Thirds of the former—At Gaz and Orman, the Medfare is the Varra, the fame with that of the Permynefe, having been introtime tame with that of the Peringselfe, having been into-duced by them.—In Pegu, and some other Parts of the Indies, the Comb or Cands, equal to the Ell of Peuice.— At Gas and other Parts, they as a larger Cands, equal to feventeen David Ells; executing that of Babel and Bellem by 3 per Cent. and the Farm by 6 and 4 ——In Sane, they also the Sec. Door Candon Candon they use the Ken, short of three Paris Feet by one Inch.

The Ken contains two Soks, the Sok two Kesbs, the Kesb Soks, the Crimys in Tapan, the Ikieus; and the Pan on some twelve Nows, or luches; the Now to be equal to eight of the Cealls of Grinca.

Grains of Rice, i.e. to about nine Lines.—At Cass-

### English Measures of Length, or Application.

| Inch  |       |      |      |       |      |      |        |      |         |
|-------|-------|------|------|-------|------|------|--------|------|---------|
| 3     | Palm  |      |      |       |      |      |        |      |         |
| 9     | 3     | Span |      |       |      |      |        |      |         |
| 12    | 4     | 17   | Foot |       |      |      |        |      |         |
| 18    | 6     | 2    | 14   | Cubit |      |      |        |      |         |
| 36    | 12    | 4    | 3    | 2     | Yard |      |        |      |         |
| 60    | 20    | 60   | 5    | 31    | 10   | Pace |        |      |         |
| 72    | 24    | 8    | 6    | 4     | 2    | 13   | Fathom |      |         |
| 198   | 66    | 22   | 164  | 11    | 55   | 370  | 2.5    | Polc |         |
| 7920  | 2640  | 580  | 660  | 440   | 220  | 132  | 110    | 40   | Furlong |
| 62160 | 21120 | 7010 |      | abon. | 1262 | **** | 00.    |      | 0 IMU-  |

### Scripture Measures of Longth.

| Digit        |          | -            | _ :-           |    |   | Eng | LFeet. | Inch.Dec |
|--------------|----------|--------------|----------------|----|---|-----|--------|----------|
| 4 Palm       |          | _            |                |    |   | -   | 0      | 3,648    |
| 12 3 Span    |          |              |                |    |   | _   | ۰      | 10,944   |
| 24 6 2       | Cubit    |              |                |    | - |     | 1      | 9,888    |
| 96 24 8      | 4 Fathom | _            |                | -  | _ | _   | 7      | 3,552    |
| 144 36 12    | 6 14 Exe | tiel's Reed  |                |    | - | _   | 1      | 11,328   |
| 192 48 16    |          | Arabian Pole |                | -  | - | _   | 1      | 7,104    |
| 1910 480 160 | 80 20 13 | 10 Schoonus  | , Measuring-Li | ne |   |     | 145    | 11,04    |

## Grecian Measures of Length reduced to English.

| EnglP  | aces.F | eet | Inch.Dec. |
|--|--------|-----|-----------|
| Dathylus, Digit — — — — — — — — — — — — — — — — — — —                | . 0    | 0   | 0,7554    |
| 4 Declare  | 0      | 0   | 3,03188   |
| 10 21 Lichas -   | 0      | 0   | 7,55467   |
| 11 2 1rd Orthodorea -  | 0      | 0   | 8,3101-5  |
| 10 3 15 15 Spithame  | 0      | 0   | 9,0656    |
| 16 4 1/2 1/2 Pes, Plot   | 0      | 1   | 0,0875    |
| 18 44 19 17 17 14 (Pygme, Calis                                      | 0      | I   | 1,5284    |
| 20 5 2 1 r 1 1 1 Pygon   | 0      | 1   | 3,109     |
| 24 6 2 2 2 1 1 1 Pochus, Cobit larger                                | 0      | I   | 6,1312    |
| 96 24 91 81 8 6 51 41 4 Orgya, Pace                                  | 0      | 6   | 0,525     |
| Scaling Charles  | 120    | 4   | 4,5       |
| 76800 19200 7680 6981 7 6400 4800 4266 8840 2200 800 8 Million, Mile | 968    | ٥   | 0         |

# Longer Jewish Measures of Length.

| Cubit |        |         |             |             |      | Eng.M | iles | Paces. | Feet.Dec. |
|-------|--------|---------|-------------|-------------|------|-------|------|--------|-----------|
|       |        | _       |             | -           |      |       | 0    | 0      | 1,824     |
| 400   | Stadio |         |             |             | -    |       | 0    | 145    | 4,6       |
| 2000  | 5      | Sab. Da | y's Journey |             |      |       | 0    | 729    | 3,0       |
| 4000  | 10     | 2 1     | aftern Mile |             | ,    | -     | 1    | 403    | 1,0       |
| 12000 | 30     | 6       | 3 Parafar   |             | _    |       | 4    | 153    | 3,0       |
| 96000 | 240    | 48      | 24 8 4      | Day's Journ | cy - | . '   | 35   | 372    | 4,0       |

## Roman Meafures of Length reduced to English.

| Dist  |       | fverfa |     |       |       |       |        |        |              |   | Eng | LPace. | Feet | Inch.Dec. |
|-------|-------|--------|-----|-------|-------|-------|--------|--------|--------------|---|-----|--------|------|-----------|
| Digit |       |        | 5   |       | -     | _     | -      | _      | _            | - |     | 0      | 0    | 0,7252    |
| 12    | Uncis |        | _   | _     | -     | -     |        |        |              | - |     | . 0    | 0    | 0,967     |
| 4     | 3     | Palm   |     | ot:   |       | -     | _      |        | -            | - |     | ď      | 0    | 2,901     |
| 16    | 12    | 4      | Pes | -     | -     |       | -      |        | -            | - | -   | 0      | 0    | 11,604    |
| 20    | 15    | 5      | 14  | Palmi | per   |       | _      | _      | -            |   | -   |        | 1    | 2,505     |
| 2.4   | 18    | 6      | 14  | 23    | Cubit |       | -      | _      | -            | - |     | 0      | 1    | 5,406     |
| 40    | 30    | 10     | 24  | 2     | 17    | Gradu |        | _      | _            |   |     | 0      | 2    | 5,01      |
| 80    | 60    | 20     | 5   | 4     | 3;    | 2     | Paffus |        |              |   | _   | 0      | 4    | 10,02     |
| 10000 | 7500  | 2500   | 625 | 100   | 416   | 250   | 115    | Stadiu | m            |   |     | 120    | 4    | 4,5       |
| 80.00 | 60000 | 20000  |     | 1000  | 00301 | 4000  | 7000   | -0     | <b>INSIB</b> |   | _   | 062    | 0    |           |

# The Proportions of the Long Measures of Several Nations to the English Foot, by Mr. Greaves.

| The English Standard Foot being divided into 10  | oco equal  | The Varra or Vare of Almeria, and Gibraltar in  |      |
|--|------------|---|------|
| Parts, the other Measures will have the Prop     | ortions to | Spains -  | 2760 |
| lt, which follow.                                |            | The Braceio of Florence                         | 1913 |
| The English Foot, from the Standard in Guildhall | 1000       | The Palm of Gener -                             | 815  |
| The Paris Royal Foot, in the Chatelet -          | 1068       | The Common Braceio of Serma                     | 1242 |
| The Rhinland Foot, of Spelling.                  | 1033       | The Braccio of Sienna, for Linnen               | 1974 |
| The Greek Foot                                   | 1007163    | The Palm of the Architects at Rowe, whereof     |      |
| The Reman Foot, on the Monument of Coffutius     | 967        | X make the Canna of the fame Architects-        | 732  |
| The Roman Foot, on the Monament of Statilius     | 974        | The Palm of the Braccio of the Metchants and    |      |
| The Roman Foot, of Villalpandus, taken from the  |            | Weavers at Rome & from a Marble in the Capitol, |      |
| Congius of Verpatian -                           | 986        | with this Infeription, CVRANTE LV POETO         | 6055 |
| The Venetian Foot                                | 1162       | The Large Pique of the Turks at Constantinople  | 2200 |
| The Ell of Answerp                               | 2283       | The Small Pique of the Turks at Confiantinople, |      |
| The Ell of Amsterdam                             | 2268       | is to the Larger, as 31 to 32.                  |      |
|  | 2250       | The Arish of Persia                             | 3197 |
| The Ell of Leyden The Canna of Naples            | 687        | The Derah or Cubit of the Egoptians             | 1824 |
|  |            |   |      |
|  |            |   |      |

| The Proportions of feerest Long M  The Rishards of Lydes Foot (12 whereof make  The Rishards of Lydes Foot (12 whereof make  The Rishards of Lydes (13 miles)  The Rishards of Lydes (13 miles)  The Rishards of Lydes (13 miles)  The Rishards Foot from that of Lydes, by  The Rishards Foot (1 miles)  The Rishards Foot (1 miles)  The Rishards Foot (1 miles)  The Lydes Foot (1 miles)  The Lydes Foot (1 miles)  The Lydes Foot (1 miles)  The Rishard Foot | Redures to each where, by M. Pienrel.  us the Observation of Mell. Flored and Assaud The The Observation of Mell Flored and Assaud The The Observation of Mell Flored and Assaud The The Same, from the Greek From the Flored Materia  (57) The Same, from the Greek From the Flored Materia  (58) From the Flored Materia  (59) From the Flored Materia  (50) From the Flored From the Flored Flored Materia  (51) From the Flored From the Flored Flored From the Flored Fro |
|--|--|
|--|--|

### SOUARE OF SUPERFICIAL MEASURES.

Field's Sanara er Supranciar Manuras, ner nis Malpipe, Poles, Rocks, nod Arms i an inter Table.

Cances in Da and of genden, unifield non intell's and front-Sport Negleyer, are repeated by a spagnate this producing 1896 figures tendes in the space Yand, the in the lock figure 1 is lockes in the Foot, as Feet in Divisions of this are Sparse Feet and linches and the the Perch, and so or Fertees in the Foot, as Feet in Divisions of this are Sparse Feet and linches and the the Perch, and so or Fertees in the Agrees, or Arms.

### English Square Measures.

| T 144 1 | Feet  |       |        |       |       |
|---------|-------|-------|--------|-------|-------|
| 1196    | 9     | Yards |        |       |       |
| 3600    | 25    | 22    | Paces  |       |       |
| 39204   | 2725  | 305   | 10,89  | Poles |       |
| 1568160 | 10890 | 1110  | 435,6  | 40    | Roed  |
| 6272640 | 43560 | 4840  | 1743,6 | 160   | 4 IAc |

Grecian Square Meafures, were the Plethron, Jagerson or bits: and Arouns, the Half of the Plethron. The Arouns Acre; by some said to contain 1444, by others 10000 Ca- of the Egyptians was the Square of 100 Cubits.

## Roman Square Measures reduced to English.

The Integer was a Jugerum or Acre, which they divided like the Libra or As: Thus,

|           | Эиденит с   | ontain'd  |           |             |           |
|-----------|-------------|-----------|-----------|-------------|-----------|
|           | Square Feet | Seruples. | Engl.Room | In Sa. Pol. | es So Fee |
| Λs        | g\$800      | 288       | 1 4       | 19          | 00        |
| Deunx -   | 26400       | 164       | 2         | 10          | 204       |
| Dextans   | 24000       | 240       |           | 4           |           |
| Dodrans-  | 21600       | a16       |           | 34          | 136       |
| Bes       | 19200       | 192       | 1 1       | 26          | 00        |
| Septunx   | 16800       | 168       | 1 :       | 17          | 204       |
| Semis     | 14400       | 144       | 1 5       | 09          |           |
| Quincunx  | 32000       | 120       | 1 :       | 01          | 68        |
| Triens-   | 9600        | 96        | 1 6       |             | 90        |
| Quadrans- | 7100        | 72        |           | 33          | 204       |
| Sextans   | 4800        | 48        | 1 0       | 16          |           |
| Uncia     | 2400        | 24        |           | 08          | 68        |

### Cubic Measures, or Measures of Capacity for Thing's Liquid.

English Liquis Mensiere, were originally raifed from Troy-Weight; is being canded by feveral Statures, That eight Feend Troy Weight; and the State of the Ear, and well dried, Should weigh a Gallon, of Wier-Monjier; the Divisions and Multiples whereof were to form the other Mensiers at A the fame time it was or-der?, That there Ishald be but on Liquis Metafer in the Kingdom; yet Cattom has prevailed, and there having been metaded a 1 per Weight; not the Voorbiers, we come metaded a 1 per Weight; not the Voorbiers, we have now a fecond Standard Gallon adjusted thereto, have now a fecond standard Gallon adjutted thereo, and therefore executing the former, in the proportion of the therefore executing the former, in the proportion of the Standard are raifed two feveral Medipore, the one for Ale, the other for Beer. The feated Gallon as Guildadi, which is the Standard for Wines, Spiras, Olls, &c. is deposed in the Standard for Wines, Spiras, Olls, &c. is deposed to the Medipor standard for Wines, Spiras, Olls, &c. is deposed to the Medipor standard therefore, will contain as in the fol-lowing Bables; yet, by a Chall Experiment made in 1688, before the Lord Mayer and the Commissioners of Excisi, it was only found to contain 224 Cubic Inches: It was however agreed to continue the common supposed Conhowever agreed to continue the common happoide Con-tense of \$31, Cabbic Inches is of that all Comparations Hand on their old footing. Hence, as \$13 is to \$31, foi \$4,52\* to \$91; the Cabbic Inches in the Ale Gallon: but in effect the Ale Quart contains 7cg Gabic Inches 3on while Ymicepite, the Ale and Beer Callon will be \$85. Cabic Inches. The leveral Divisions and Multiplies of these Majore and their Proportions, are exhibited in the Ta-

response mas seen experiences, are exhibited in the Ta-French Moglews. At Paris, and in a great part of the Kingdom, the Moglews, the Segle with the femiliality are, French Moglews. At Paris, and in a great part of the Kingdom, the Moglews, the Moglews of the Seglet or Chepine 1 was Chepine 1 was present the Seglet or Chepine 2 was Chepine 2 was Piers, two Piers, Editionations and thirty-fit Septent. It had been to the Seglet or Chepine 2 was Demi-Modda, four Quarrer-Mudda, four Quarrer-Mudda, Seglet and Seglet of the Moglews of the Seglet was the Seglet of the Moglews of the Seglet was the Seglet of the Moglews of the Seglet was the Seglet was the Seglet was the Seglet was the Seglet with the Seglet was the Seglet w bles underneath. used in Processes, containing 66 Paris Pints; and the Poin-con used at Nantes, in Touraine and the Bleffeis, equal to half the Orleans Tun. The Poincon used at Paris, is the

half the Orlean Ten. The Poiscon sited at Farm, is use fram with the Demi-Queer. See Queer. Dark Lipad Meajaret. At Andfredum, their Magner, to Design with the Diminasions, are, Mingles, Mingechles, or Design with the Diminasions, are, Mingles, Mingechles, or Design with the Diminasions and the Company of the Half of the Company of the Company of the Company Francisco and the Company of the Company of the Company Martine, four Company of the Company of feventy Mingles make their Tun. The Viertel, or V confifts of five Mingles, and one Sixth of a Mingle. conflits of five Mingles, and one bixth of a Mingle. The Wine Viertel is julf fix Mingles. The Stekan, or Ste-kamen, contains fixteen Mingles. The Anker contains two Stekans; and four Ankers, the Aem. For Oils they ufe the Tun, which contains fix Aems, or Ams; equal to

ute the Lun, which contains ha Aems, or Ams; equal to 1600 Fair Phins. Sec Tu-N.
Spanifo Liquid Medjaers, are the Botte, containing be-tween thirty-fax and thirty-feven Duck Steckans, holding about a thouland Weight. The Botte confilts of thirty Robes, each weighing unerty-eight Pounds. Each Robe is again divided into eight Sommes, and the Somme into

four Quarts. The Pipe confifts of eighteen Robes.

Persognefe Liquid Mensoret, are Bottes, Altoudes, Cavadas, Quartas 3 and for Oil, Alguiers or Cantrae. The Persognefe Botte, is fornewhat fimilier than the Spanish's the being equal to thirty-fix or thirty-feven Steekans, and the former only to twenty-five or twenty-fix. The Quatas is one Fourth of the Cavadas. The Cavadas, or Cavado, is the fame with the Date Mingle. Six Cava-

Gants is one Fourth of the Cavada. The Cavada, is Cavada, is Cavada, is the Cavada. The Cavada, is the fame with the Dare Mingle. Sin Cavada, is the fame with the Dare Mingle. Sin Cavada, is the fame with the Dare Mingle. Sin Cavada Cavada

Heemers, the Heemer into thirty-two Achtelings, and the Achteling into four Seilines. The Amer, there, is eighty Matter, the Ferrel, call'd all of Schreve, four Matter 3, and the Driolinek twenty-four Heemer.—At Andown, the Cooker is divided into eight few 3, the I four two Matter, and the Proteins with the Seilines of the Cooker is divided into eight few 3, the I four two Matter, or receive Befons; the Befon into eight Matter, and the Feeder, as in that of National Cookers and the Seilines and Seiline readerg. At Heidelberg, the Feeder is divided into ten Ames; the Ame into twelve Vertels; and the Vertel into four Maffes. — In Wirtenberg, the Feeder is divided into fix Ames; the Ame into fixteen Yunes; the Yune into ten Maffes

into ten Martía.

Lipid Modiferes es les Coglis și Baclony. At Tirpali, Cf.,

Lipid Modiferes es les Coglis și Baclony. At Tirpali, Cf.,

Lipid Modiferes es les Coglis și Baclony. At Tirpali, Cf.,

Martin, and Martin, and Martin, and Martin, and the other Places

He Martin, and the company of the date Meating.

It may be leve obleve fartin, the date Meating.

It may be leve obleve fartin, date est series de la martin, date de la martin, de instances; which allo lerve for Money in fome States of the Indies. Some Cocca's hold a thousand Carri, and fome only five hundred. Above the Cocca's is the Canan, a little Mediure ufed in the fame Country, and called by the Portuguese, Churp; holding about a Paris Quart.

Wine Measure.

| Solid  |      |        |        |        |        |        |         |       |
|--------|------|--------|--------|--------|--------|--------|---------|-------|
| Inches |      |        |        |        |        |        |         |       |
| 287    | Pint |        |        |        |        |        |         |       |
| 231    | 8    | Gallon |        |        |        |        |         |       |
| 4158   | 144  | 18     | Rundle |        |        |        |         |       |
| 7276   | 252  | 314    | 14     | Barrel |        |        |         |       |
| 9701   | 336  | 42     | 24     | 12     | Tierce |        |         |       |
| 14553  | 504  | 63     | 31     | 1      | 3:     | Hogfhe |         |       |
| 19179  |      | 84     | 4%     | 2 1    | 2      | 11     | Punchio |       |
| 29106  | 1008 | 116    | _ 7.   | 4      | 3      | 2      | 15      | Butt  |
| 58112  | 2016 | 252    | 14     | 8      | 6      | 4      | 3       | 2 Tun |

Ale Measure.

Beer Measure.

| Pints   | Pints   |
|---|---|
| 8 Gall.    64 8 Firk.   2   Kild.   3   5   6   4   2   8   1   6   4   6   6   6   6   6   6   6   6 | 8 Gall, 72 9 Firk, 144 18 2 Kild, 288 36 4 2 Barrel 376 72 8 4 2 Barrel |

Attick Measures of Capacity for Liquids, reduced to English Wine Measure.

|                |              |          |                |        | Gail. | Pints.Sol | Inch Dec. |
|----------------|--------------|----------|----------------|--------|-------|-----------|-----------|
| Cochlistion -  |              | -        |                | _      | 0     | Tis       | 0,047     |
| 1 Cheme        |              |          |                | -      | 0     | 8.5       | 0,904     |
| 14 Myftron     |              | -        |                |        | 0     | 2.7       | 0,1175    |
| 5 2½ 2 C       | onchs -      | -        |                |        | 0     | 74        | 0,2345    |
| 10 5 4         | 2 Cynthus    |          |                | -      | o     | de.       | 0,459     |
| 15 74 6        | 3 14 Oxub    |          |                |        | 0     | 4         | 0,7045    |
| 60 30 24       | 12 6 4       | Cotyle - |                |        | 0     | ÷         | 2,818     |
| 120 60 48      | 14 11 8      | 2  Xefte | s, Sextary     |        | 0     | 1         | 5,636     |
| 720 360 288    | 144 72 48    | 12 6     | Chos, Congius  | _      | 0     | 7         | 4,943     |
| 8640 4320 3456 | 1718 864 576 | 144 72   | 12   Metretes, | Ampior | 1 10  | 6         | 1,554     |

Roman Measures of Capacity for Liquids, reduced to English Wine Measure.

|        |        |         |         |        |         |        |      |        |       | Gall. | Pints.Sc | d.Inch.Dec |
|--------|--------|---------|---------|--------|---------|--------|------|--------|-------|-------|----------|------------|
| Liguis | -      | -       | -       |        | _       |        |      | _      |       | 0     | 0.12     | 0,11772    |
| Δ      | Cyathu |         |         | -      | _       | -      | _    | -      | _     | 0     | 0,1,     | 0,469      |
| 6      | 17     | Acetaba |         | _      | -       |        | _    | -      | _     | 0     | O.       | 0,7044     |
| 12     | 3      | 2       | Quarter | ius    | -       |        | _    |        |       | 0     | 0.4      | 1,409      |
| 2.4    | 6      | 4       | *       | Hemina |         | _      | -    | _      |       | 0     | 02       | 2,818      |
| 48     | 12     | - 8     | 4_      | 2      | Sextari |        |      |        |       | 0     | 1        | 5,636      |
| 288    | 72     | 48      | 24      | 12     | - 6     | Congiu |      | _      |       | 0     | 7        | 4,942      |
| 1152   | 238    | 192     | 96      | 48     | 24      | 4      | Urns | -      | -     | 3     | 45       | 5,33       |
| 2304   | 576    | 384     | 191     | 96     | 48      | 8      | 2 JA | mphori |       | 7     | 1        | 10,66      |
| 4508c  | 11520  | 7680    | 3840    | 1920   | 960     | 160    | 40   | 20 C   | ulcus | 143   | 3        | 11,075     |

Jewish Measures of Capacity for Liquids, reduced to English Wine Measure.

| Caph    |        |      |            |        | _ | _ |   | Gall. | Pinta<br>of | SoLinch. |
|---------|--------|------|------------|--------|---|---|---|-------|-------------|----------|
| 15 Log  | _      |      |            | -      |   |   |   | 0     | 0.          | 15       |
| 51 4    | Cab    | -    | _          | -      |   | - | _ | 0     | 3           | 10       |
| 16 12   | 3 Hin  |      | _          |        | - | - |   | 1     | 2           | 2;       |
| 32 54   | 6 2    | Seah |            |        |   | _ | _ | 2     | 4           | 5        |
| 96 72   | 18 6   | 3    | Bath, Epha |        |   | - |   | - 7   | 4           | 15       |
| 960 720 | 180 60 | 30   | 10 [Coron, | Chomer | _ | - |   | 75    | 5           | . 7      |

Cubic Measures of Capacity for Things Dry.

English Day ar Common Meellons, are naied from the premoting of Calling which contains 37.2 Solid leckes, to head of part Remarks which contains 37.2 Solid leckes, to head of part Remarks from the that on the foot of the Old Whice Gallen, of 144 Chale Inches; 11 being to 145 and 1

following. French Dry Menfarer, are the Litron, Bufhel, Minot, Mine, Septier, Muid, and Tun. The Litron is divided into From Dry Moylews, are the shown are the shown from the Minn Septier, Mound and Thun. The Litron in divided into two Denshirms, and four Quarter-litrons, and commant of two Denshirms, and four Quarter-litrons, and commant of the shown of the Minn Septiers of the Septiers two Locks and a half high; and ten Inches broad, or in Diameter, within-fide. The Minet confills of three Bufflels; the Mine of two Dilnots, or fix Bufflels; the Spetic of two Mines, or twelve Bufflels; and the Maid of twelve Septicies, or a bundred forty-four Bufflels. The Employ for Caut is ellimated double that of any other of reaches Septents, or a summary of the property of the pland of Wear its efficience of could be that of any other Grains; fo that there go recently-faug Bothes in smale the property of the and faxecen Litrons's four Buffels make a Minor, fasten a Septier, and abunded mineytwo a Mind. The Bodge for World advided minor Minor, and Mind. The Bodge for World advided into Halves, Quarters, and Half-Quarters. Eight Buffels make the Minor, fasten a Minor, the Carlon of Minor, for three bunderd and ewenty Buffels, the Mund. For Huffer, ruefvo Buffels make a Six, and when the Six Sea Mind. For Lime, three Buffels make a Allon, and forry-ciph Bilinous a Mind. See Bussers. The Minorit is, by Ordennance, to be effect before the Minority of the Minori nine Lines high 3 and Gourceon Inches (eight Lines in dis-meter, The Minos is computed of three Bulletis, or fai-meter, The Minos is computed of three Bulletis, or fai-cipitt 3 Minis ——The Mine is no cell Verfiel, but a Elimination of Fever olders. At Fairs, the Mice constain is Bulletis, and recopy-flow ranke the Model, at Rosen, and the Minis of the Minis of the Model of Rosen, and as Fairs' Mall. ——The Mine is no cell Verfiel, the Con-ference of the Minis of the Minis of the Minis of the few in different Places: At Fairs, it commits no Mines, Recrept, the Septice commiss rote Mines, or review Burletis Twelve Septicer make a Minis of Rosen, as well as Penny, mer. At Tolon, the Septice consists with Mines a Minis and mer. At Tolon, the Septice consists withing a Minis of mer. At Toxion, the Septier contains a Mine and half; three of which Mines make the Septier of Paris. See SEFFIER. The Muid, or Muy, of Paris, confifts of

tink forly were desired, and weight now per term, it is man equal to me I I I will reprise all weight has two the inhealed row handerd and forly Yenda. See This, some pay Menpers, I while I Here they climate their Dyr Things and the found of the Laif, Leif, Leit, or Leidy is for citled, its or the control of the Laif is the Laif in the Laif is any Series, with its control of the Laif is the Laif in the Control Septiers, or thirty clipit handense Bellich, and weight a "control of the Laif is forty Eurobases Buffels, and weight a form of the Laif is forty Eurobases Buffels, and weight for the Laif is forty Eurobases Buffels, and weight for the Laif is forty Eurobases Buffels, and weight for the Laif is forty Eurobases Buffels, and weight for the Laif is forty Eurobases Buffels, and weight for the Laif is forty Eurobases Buffels, and weight for the Laif is forty Eurobases Buffels, and weight for the Laif is forty Eurobases Buffels, and weight for the Laif is forty Eurobases Buffels, and weight for the Laif is forty Eurobases Buffels, and weight for the Laif is forty Eurobases Buffels, and weight for the Laif is forty Eurobases Buffels, and weight for the Laif is forty Eurobases Buffels, and weight for the Laif is forty Eurobases Buffels, and is the Laif Eurobases and the Laif is the Laif is the Laif is the Laif in vision Places I. The control of the Laif is the Laif is the Laif the Laif is the Laif i

Roses Bellecks.

Thinkan Die deriver. At Protes, Letters and Lescen.

Thinkan Die der Att Things on the Good and all Lescen.

Thinkan Die der Att Things on the Good and all Lescen.

The Belleck of the Control of the

of Amiferdam.

\*\*Remifo Dry Menfures.\*\* At Antwerp, Ele. they measure by the Vertel 5 thirty-two and a half whereof, make aincreen Paris Septiers.\*\*—— At Hamburg, the Schepel 3 aincry whereof make nineteen Paris Septiers.

omety utercost make morteem Berri Sepptien. Coas, Bilan, and G. Geldjim, post for he kern, at weary-these and G. Geldjim, post for he kern, at weary-these whereof make the Nourte, or Radelf laws or once Parts Septiers and shift in the Bolles Branquai inforces has larger; informach that revery one Fancquai make a Nourte and Linger; informach that revery one Fancquai make a Nourte and the Parts White; thirty, fix Angara make nincenen Paris Septiers.

— At Edward, the Carlo Market are capital to site Paris Septiers and a half. ——At Linkon, the Alquier, a very imail Linkon and the Carlo White.

English Try or Corn Measures.

| Solid  |      | •      |      |       |        |                    |
|--------|------|--------|------|-------|--------|--------------------|
| Inches |      |        |      |       |        |                    |
| 3414   | Pint |        |      |       |        |                    |
| 2725   | 8    | Gallon |      |       |        |                    |
| 5441   | 16   | 2      | Peck |       |        |                    |
| 2178   | 64   | 8      | 4    | Bushe | 1      |                    |
| 17424  | 128  | 16     | 8    | 2     | Strike |                    |
|        | 256  | 32     | 16   | 4     | 2 5    | Carnock or Coom    |
|        | 512  | 64     | 32   | 8     | 4      | 2  Seem or Quarter |
|        | 3072 |        | 102  | 48    | 24     | 12 6 Way           |
|        | 5120 | 640    | 320  | 80    | 40     | 20 10 13 Laft      |

Jewish Dry Measures reduced to English.

|      |      |      |      |       |      |           | Pecks. | Gall. | Pints S | ol.Inc.Dec |
|------|------|------|------|-------|------|-----------|--------|-------|---------|------------|
| Gach | sl . | _    | _    | -     |      |           | 0      | 0     | 17      | 0,0012     |
| 10   | Cab  |      |      | -     | _    | - `       | 0      | 0     | 25      | 0,120      |
| 36   | 14   | Gome | or   |       |      |           | 0      | 0     | 510     | 1,411      |
| 120  | 6    | 31   | Seah |       |      |           | 1      | 0     | I       | 4,03       |
| 360  | 18   | 10   | 3    | Ephs  | _    | -         | 3      | 0     | 3       | 12,12      |
| 1800 | 90   | 50   | 15   | 5 Let | ceb  | -         | 16     | 0     | 0       | 26,52      |
| 3600 | 180  | 100  | 30   | 10 1  | Chon | ier, Coro | n 32   | ٥     | 1       | 19,04      |
|      |      |      |      |       |      |           |        |       |         |            |

### Attick Dry Measures reduced to English.

|               |         |              | Pecks | Gall. | Pints. | Sol.Inch. |
|---------------|---------|--------------|-------|-------|--------|-----------|
| Cochlistion   | -       |              | 0     | 0     | 772    | 0,004     |
| to Cyathus    |         | -            | 0     | 0     | 17     | 0,04      |
| 15 14 Ox      | haphon  | -            | 0     | 0     | ż      | 0,06      |
| 16 6 4        | Cotyle  |              | 0     | О     | ÷      | 0,24 .    |
| 120 12 8      | a Xef   | tes, Sextery | - 0   | 0     | x      | 0,48      |
| 180 18 1      | 2 3 1   | Choinix -    | 0     | 0     | 15     | 0,72      |
| 8640 864 1 57 | 6 144 7 | 2 48 Medim   | aus 4 | X     | I      | 0,53      |

### Roman Dry Meafures reduced to English.

|   |      |      |      |       |      |       |               | Peck | Gal | . Piots.       | Sol-Inc.De | bc. |
|---|------|------|------|-------|------|-------|---------------|------|-----|----------------|------------|-----|
|   | Ligu |      | _    |       |      |       |               | 0    | 0   | 047            | 0,01       |     |
|   | 4    | Cyat |      |       |      |       |               | 0    | 0   | o <sub>A</sub> | 0,04       |     |
| ı | 6    | 12   | Acct | abulu | m    | -     |               | 0    | 0   | 0]             | 0,06       |     |
| ı | 24   | 6    | 4    | Hcmi  | lon. | _     |               | 0    | 0   | O.             | 0,24       |     |
| ı | 48   | 12   | 8    | 2     | Sext |       | -             | - 0  | 0   | x              | c,48       |     |
| ı | 384  | 96   | 64   | 16    | 8    | Semin | nod.          | 0    | 1   | 0              | 3,48       |     |
| 1 | 768  | 192  | 128  | 20    | 16   | 0     | <b>Modius</b> | 12   | 0   | 0              | 7,68       |     |

Note. The sfaul Measure of Wood for Firing, is the Cord; four Foot high, as many broad, and eight long; divided into two half Cords, call'd Ways, and by the French, Membrarer, from the Picces, fluck apright, to bound them 5 or Voyes, as being supposed half a Waggon Load. See CORD.

The MEASURE for Harfes, is the Hand or Handful ; which, by the Statute, contains four Inches. See HAND,

Whiten, my me unswesser, which we describe the Manife, brender Manife, brender and Time oblerred in Pectry, Dancing, and Muffe, brender hear regalest, and aggreeable. The different Monfers or Pectry, are the different Monfers of ordering and commerce that the different Monfers of ordering and commerce that the different Monfers of ordering and commerce that the different Monfers. See QUANTITY, WARKS. EG.

Se, count of different conjunct. One LEADALS, I also also designed to the Leadals of the Leadals

we long Syllabia. The Greet Feets contrived tar, diffic-rent Combination or Medipies, under as many different Names, from Feet of 100 Syllabies to those of fia. See Syntame, Decree, Rittaris, Foots, Ord. Greet of Time, Syntame, Decree, Rittaris, Foots, Ord. Greet of Time, which the Krefin, who regulates the Music, stack be-veren the rating and letting fill of the Hand, in order to consider the Movement functions quideer, and formerines of the Movement functions of the Music, the con-common Music, is one Second, or fritted part of a bil-suur, which is never the Syntame to the Hand, and the Hand, the Company of the Hand, and the Learn, and the Hand, the Hand, and the Learn, and the Company of the Hand, and the Learn, and the Company of the Hand, and the Learn, and the Company of the Hand, and the Learn, and the Company of the Hand, and the Learn, and the Company of the Hand, and the Learn, and the Company of the Hand, and the Learn, and the Company of the Hand, and the Learn, and the Learn of the Hand, and the Learn of the Learn, and the Learn of the Learn of the Hand, and the Learn and the Learn of the Learn of the Learn of the Learn, and the Learn of the Learn of the Learn of the Learn, and the Learn of the Learn of the Learn of the Learn, and the Learn of the Learn of the Learn of the Learn, and the Learn of the Learn of the Learn of the Learn, and the Learn of the Learn of the Learn, and the Learn of the Learn of the Learn of the Learn, and the Learn of the Learn of the Learn of the Learn, and the Learn of the Learn of the Learn of the Learn, and the Learn of the Learn of the Learn of the Learn, and the Learn of the Learn aniwering to the Lievation of the Hand, and its District, or Dilatation, to the letting it fall. The Meafare affually takes up the Space that a Pendulum, of two Foot and a balf long, employs in making a Swing or Vibration. See The Measure is regulated according to the different

The Medjare is regulated according to the different Quality of Value of the Notes in the Pieces by which the Time that each Note is to take up, is exprefed. The Semi-Breve, for inflance, holds one Kife, and one Fall; and this is call'd the whole Medjare: the Minim, one Rife, or one Fall; and the Groeche, half a Rife, or tail a Fall, there being four Coeches in a full Medjare. See Nova. Binary, or Double MEASURE, is that wherein the Rife and Fall of the Hand are equal.

Ternary, or Triple Measure, is that wherein the Fall is double to the Rife; or where two Minims are play'd during a Fall, and but one in a Rife: To this purpole,

the Number 3 is placed at the beginning of the Lines, when the Meafare is intended to be triple 3 and a C, when the Meafare is to be common or double.

when the Notione is intended to be triple 3 and 4.5, when the Notion's is be common of soluble. The Notion's is be common of soluble as a saill by the Greth signs and lies. St. Angilin call is Halipa, and the Spanish, Compile, St. St. Balarison of Time Concentrality, Manifolds of the Control of the Contro

Levelling; fee LEVELLING.

Leveling; ice LEVELLING.

MEASURAND of Superficies, or Quantities of two Dimen-fions, is varioully denominated, according to its Subjects;
when convertinat about Lands, via called Geodefia, or Sur-seying: in other Cafes, fimply Madaring. The Instrumental
uted are the Ten-Foot Rod, Chain, Compafe, Greumfer-renter, Eds. See Superseviers; fee allo Superseving.

MEABURIND of Solids, or Quantities of three Dimen-fions, we call Streametry; fee Streedmerry: where 'its convertant about the Capacities of Veffels, or the Li-quest they contain particularly, Consejine, See Gavorino, The Infiruments are the Cauging-Rod, Silding-Rule, \*2. See Source for all Gavening Rod. c. See Soiid; fee alfo GAUGING-ROD, SLIDING-RULE, Co.

From the Definition of Maylaring, where the Measare is expected to be similar or homogeneous, i.e., of the same liked with the Thing measured; vis evident that in the first Cafe, or in Quantities of one Direction, the Measare must be a Lines in the Stoon, a Superficies; and in the third, a Solid. For a Line, w.g. cannot mean a Surface; to measure, being no more than to apply the known Quanto mediare, being so more this to apply the known Quantity to the takeous, till the two became equal. Now a barfere live in freach, and a Lice has none; but if one A line, therefore, can never be applied to die no seal, and a Lice has none; but if one has a Saraface, as to be equal to it, i.e., to meadors it. And from the like Warfenger it is evalues, a Sportferics, which has the like Warfenger it is evalues, a Sportferics, which has meadared by any part of itelf; has when he Like begins to flow, and to generate a new Dimension, the Meadare to flow, and to generate a new Dimension, the Meadare Surverlies, the other mud do for the CTRC commonster. Superficies, the other must do so too: Thus we come to have Square Measures, and Cubic Measures. See Square nave Syntar (occupier), and Cube (occupier). See Square and Cube. Hence we fee why the Medipier of a Carcle is an Arch, or part of the Carcle 3 for a right Line can only tunch a Circle in one Point, but the Periphery of a Circle conflits of infinite Points. The right Line therefore to measure the Circle, must be applied infinite Times, which is impossible begin the sight Line and the property of the conflit of the conflict of the is impossible. Again, the right Line only touches



# TAB: MECHANICKS .

Circle in a Mathematical Point; which has no Parts or Circle in a Mathematical Foints; which has no Farts or Dimensions, consequently no Magnitude: but a Thing that has no Magnitude or Dimensions, bears no propersion another that has an another that has a mad cannot therefore mendature it. Hence we fee the Reason of the Division of Circles into 360 Parts or Arches, called Degrees. See Daoarts. Makawatson of Things(e), or from three given Sides or Angles, to determine all the reft, is called Trigonometry.

TRICONOMETRY.

Measuring of the dr; its Preffure, Spring, &c. is called Acrometry or Presentation: See Aurometry, &c. called Accometry or Processing: See Alexon et ray, Ec. MEATUS Cylines, a Blisty Daft, about the Bigants of a Goofe Quill, which at about two Inches diffusion from the Gall-Bladder, is join'd to the Means Hepstitest; and these cogether form the Daffus Communit. See BitEx.

MEATUS Urinarius, or Urinary Paffage, in Womeo, is very fhore, lined internally with a very thin Membrane; next to which is a Coat of a white Sabitance. Thro this

east to which is a Gast of a white Schittane. Then this Coart from from Lanne in it, paif foreral Docks, which covery a limple flushness Matter, ferring to moint the Michael Court of Schittane, and the serving to moint the Michael Court of the Schittane, irregularly divided with fifthy membranean Interpolitions in iteral Farse of it, not easilite the state of the Schittane, irregularly divided with fifthy membranean Interpolitions in iteral Farse of it, not easilite the thicker. The inner Far, out in fifthy Three are here thicker. The inner Far, out in fifth the schitten of the schit

MECHANICS, from unxush, Engine, is a mix'd Ma-thematical Science, which confiders Moton, its Nature and Laws, with the Effects thereof, in Machines, &c. See MOTION.

MOTION.

That part of Mechanies which confiders the Motion of Bodies arifing from Gravity, is by fome call'd Sazies. See Gravity, Fratuse, Restautes, &c. In diffinition from that part which confiders the Mechanie Powers, and their Application, properly call'd Mechanies. See Machanie Fowers, Machines, Escours, Fairricos, Equitorias, Machines, Escours, Fairricos, Equitorias, Compares, Machines, Escours, Fairricos, Equitorias, Californias, Califo BRIUM, Ec.

MACHANIC Persers, are the five fimple Machines 3 to which all others, how complex forers, are reducible, and of the Affemblage whereof they are all compounded. See Powers and Machine.

See Power and Magning.
These Mechanic Powers (as they are call'd) are fix, vie.
the hastmare, Lever, Wirel, Pally, Wedge, and Server; which
fee under their proper Heads: Ballaner, Levers, Ec.
They may, however, be all reduced to one, we. the
Lever. The Principle whereon they depend, is the same
in all, and may be conceived from what follows.

in all, and may be conceived from what follows.

The Momentum, Imperta, or Quantity of Motion of any
Body, is the Fallems of its Velocity, for the Space it moves
in a given Time, fee Morroro, multiplied into its Mafa,
Hence it follows, that two unequal Bodies will have equal
Momenta, if the Lines they defitibe he in a reciprocal
Ratio of their Maftes. Thus, if two Bodies, fafterd to the Extremities of a Ballance or Lever, be in a reciprocal Ratio of their Dillances from the fixed Point; when they Ratio of Index Dilances from the fixed Point; whech shey more, the Linet key desirche will be an excipaceal Ra-mon, the Linet key desirche will be an excipaceal Ra-nor and the state of the control of the control of the con-serve, fixed be trapic tip. Boy Boy Boy Boy Boy Francis, or fixed Point, in C, as that the Dilance of BC be cripple the Dilance CA, in Lexer casco be inclined on the principle of the Control of the Control of BC be cripple the Dilance of A, in Lexer casco be inclined on the principle of the Control of BC be cripple the Dilance of San the Control of BC be to the principle of the Control of BC be cripple the Dilance of San the Point San of Monens will be the great cast. So that their Moissace of Monens will be cripple the Dilance of Monens will be cripple the Dilance of Monens will be cripple to the principle of the Control of th tum Porrius matere; for as the Diffance CB may be in has Portain matters for as the Difference of A may be in-creased infinitely. So that the whole of Mechanics is re-duced to the following Problem.

duced to the bollowing Problem, Any hody, as A, with its Velecity C, and also any ober Budy, as B, being given is to find the Velecity needleny to make the Moment, or Summity of Mails in B, equal to the Moment of A, the gener Body. Since now the Moment of any Body is equal to the Rectangle under the Velecity, and the Quantity of Matter 2 as B 1 A 1: C: to a fourth Term, which try of Matter 2 as B 1 A: C: to a fourth Term, which thy of Matter 3 as Bi A i i Ci to a fourth term, which will be c, the Celerity proper to B, to make its Moment equal to that of A. Wherefore in any Machine or Engine, if the Velocity of the Weight: reciprocally as the Weight: reciprocally as the Weight is to the Power; then finall the Power always fuffain, or if the Power he a little increas'd, move the Weight.

Let, for inflance, A B be a Lever, whose Fiderum is at cand let it be moved into the Position ach. Here the Velo-the Sectors A Cs, and Beb, are fimilar: wherefore the Velocities of the Points A and B, are as their Diffances from the Section A.G., and B.e.h. and familiared All, because the Section A.G. and B.e.h. and familiared All, because Valediation of the Points A and B., are as their Dillicacefron the Canter C. Now if any Powers are applied to the Ends downs, their Force will be expanded by the Prepeable calars S., and J.N.; which keeps arther right Since of the same and the second of the properties of the Canter. And the Powers are also as their Dillances from the Canter. And the Powers are also as their Dillances from the Canter. And the Powers of the Powers of the Powers of Weights and their Canter and the Powers of the Powers of Weights and their controlled the Powers of the Powers of Weights and their powers of the Powers of Weights and their controlled the Powers of the Powers of Weights and their powers of the Powers of Weights and their to the familiar their powers of the Powers of Weights and their powers of the Powers of Weights and their to the familiary proposed to the Lorent, their their powers of the Powers of Weights and their controlly, as in the Cafe of a Science, and the power of the total powers of the Powers of Weights and their controlly, as in the Cafe of a Science, and the Power of Weights and their powers of the Weight in the Power of the Powers of the homests, if the Incare also is in plan, but he Force of the Powers in our at all increased by Enginess only the Ve-minish of the Weight in not greater than the Force of the Powers in our at all increased by Powers of the Weight in the Memons of the Weight in the greater than the Force of a Power Weight with the famer Velocity. But by as E-round Weight with the famer Velocity, But by as E-round Weight with the famer Velocity, all by as E-ternous Weights in the Cafe of the Power and Interior to Force Weights and the Cafe of the Power and Interior to Force Weights and the Cafe of the Power and Interior to the theory of the Weight in the Cafe of the Power and Interior to the Power and Interior to the Carrier, and the Power and Interior to the Power and Interio

MEC

MEGIANICAL GAVE, a Term used by Joe Cartes to those Carves, which cannot be defined by any Equation of in opposition to Algebraic, which they call Geometric Corves. These Carves, Sir J. Messon, M. Leidung, 80c. call transcendent Curves; and diffent from Carte, in oxcall transcendent carves; and diffent from cares, in ex-cluding them out of Geometry. Leibnize has even found a new kind of transcendent Equations, whereby their Curves are defined: They are of an indefinite nature; that is, don't continue conditantly the fame in all Poms of the Carve; in apposition to Algebraic Equations, which do.

MEGHANICAL Affellions, are such Properties in Matter, as refult from their Figure, Bulk, and Motion: MECHANICAL Caster are those founded on such Affections; and Machanical Solutions are Accounts of Things on the fame Principles.

fame Principles.

MECHANICAL Philosophy, is the fame with the Corpuf-cular Philosophy; sue, that which explains the Effects of Nature, and the Operations of Corporeal Thiogs, on the Nature, and the Operations of Corporeal Thiogs, on the Principles of Mechanics; the Figure, Arrangement, Diffu-tion, Motion, Greameti or Smallnest of the Parts which composed natural Bedies. See Congression.

The Term Machanical is also applied to a kind of Reasoning, which of late has got a great deal of ground both in Physics and Medicine; so call'd, as being conformboth in Phyfics and Medicine 5 fo call'd, as being conformable to what is used in the Contribunce, and accounting for the Properties and Operations of Machines. This fecume to have been the Refuit of rightly fludying the Powers of a human Mind, and the Ways by which it is only fitted to get acquaimance with material Beings: For confidence and aligned Body as a Composition out of the form to get acquainace with unterial Beiling a Tend's intention in a final Body as a Composition out of the fine in a final Body as a Composition out of the fine in the state of t The Term MECHANICAE is also used in Mathematics, to figurify a Confiraction or Proof of some Problem, not dune in an accurate Geometrical Manner, but coarfely and unarrfully, or by the affifiance of Inftruments, as are most

unarrialty, or by the stiffuance of Inflatments, as are most Problems estamp to the Duplicature of the Cabe, and Martine and the Cabe, and Martine and Cabe, and now in more general (Ir., as being tound more efficacions. Yet Michesons is the fiverer and more general of the two, and on that account preferable. The Seat of its Adion is chiefly in the extreme Parts, for which realion it is accoun-ted good in arthritic Pains. It has the advantage of need-ing no Preparation or Corrective; and purging in its own proper Subblance, fush as it grows. M. Bundae found by yfing it, that it contains twelve times as much Salt as Refin; but neither the faline nor refinous Extract parge Reins but neither the faline nor refinous Extract parge for freely as the Sublance, even the taken in larger Dufes; our do they yet purge fo gently. In the Choke of Me-chascan, prefer their Freez which are the brownest within; and whole Subitance is the closest, and most within ;

MECONIUM, in Pharmacy, is the Jaice of the Poppy, drawn by Experfison, and dried; differing from Optum, in that this laft ouese out, after an Incifion made in the Heads of the Poppies. The Word comes from the Greek

BERRY, Poppy. See OFIUM.

MECONIUM is also a black thick Excrement, gather'd in the Intellines of a Child during the time of Gestation. In Colour and Confishence, it resembles Pulp of Castes. It is also found to resemble Mecenium, or Juice of Poppy, whence it takes its Name.

MEDAL, a fmall Figure, or Piece of Metal, in fe of a Coin, defined to preferve to Pollerity the Portrait

fome great Man, or the Memory of fome illustrious Ac-

For the Manner of Striking MEDALS, SEC COINING.

Some Authors imagine, that the antient MEDALS were used for Money. M. Patin has a Chapter express to prove, that they had all a fix'd regular Price in Payments; not excepting even Medallons. F. Joseph is of the fame Opiexcepting even Madaloum. F. Josober is of the lame Opi-nion. Others, on the contary, maintain, that we have no real Money of the Autients; and that the Medals we now have, never had any Courfe as Colins. Between thefic two Extrement, there is a Medium, which appears by much more reafunable than either of them. See Moneys. MEDALS are divided into Antient and Modern: The

AMEDIALS are discharged into Anticet and Modern: The Anticet are fush as were flexible between the third and the Seventh Centuries: The Modern are those struck within these 500 Years. Among the Anticet, some are Greek, others Roseam. The Greek are the most sentient. That People strook Medals in all the three Metals with firsh expulsive fact, as the Roseau could. fuch exquisite Art, as the Romans could never come up to. The Greek Medals have a Defign, Accuracy, Porce, and a Delicacy that expresses even the Musicles and Veins, and it must be own'd, goes infinitely beyond any thing of the Romans. There are also Hebrew Medals ; Panie, Gothe, and Arabic Medals; which make new Classes in the antient and modern ones. The Confular Medals are cerantient and modern ones. The Contolar Medals are cer-tainly the mod antient Medals of the Romans: And to those of Copper and Silver don't go beyond the 484th Year of Rowel; nor those of Gold beyond the Year 1986. If any are produced of an older Date, they are spa-

Confular MEDALS are fo call'd, to diffinguish them from Conjular Diemarcio Catto, to ditinguiri mem from the Imperial, not that they were fittook by order of the Confuls, but becaste in those Times the Republic was bour fifty or fixty of Gold; we bounded and fifty of Copper; and near a thouland of Silver. Gattages has described per s and near a thouland of Silver. Gatizaias has determed them in a Chromological Order, according to the Egil Confidence. Utilims has disposed them Gencalogically, according to the Cortee of the Reman Families. M. Patin has collected an entire Series of them, in the fame Order collected an entire Series of them, in the fame Order with Urifum; and only computer 1072 Confalars, which relate to 178 Roman Families. M. Pashan, and M. Morel, each promified a new Edition of the Confular Medals; M. Pashan kept his word, and his Book was printed e'er he died, in 3 Vol. Falia.

died, in y Vol. 18th.
Among the laproid Munaas, we diffinguish between
the Upper and the Lower Empire: The Uppe Empire
commenced under Youte Chips. The Upper Empire
of Jefus Christ 26th. The Lewer Empire can
of Jefus Christ 26th. The Lewer Empire
commenced under which the Christ 26th. The
theory of Jefus Christ 26th. The Christ
the Cultum, however, to account all the Impered Medial,
the Cultum, however, to account all the Impered Medial,
ye was the Norw on Jefus 18th 26th 26th 26th 26th
ye to the Norw on Jefus 18th 26th 26th
ye, later than the Time of Intendate, who the diff is 4th
ye.

After the Time of Peocas and Heraelius, Italy became a Prey to the Barbarians; fo that the Monuments we have remaining of those two Emperors, finish the Set or Series of Imperial Idedals. To these are added the Medals of the Lower Empire, and the Greek Emperors; whereof a Se-Lower Empire, and the Greek Emperors; whereof a Se-rea may be made as low as our time, taking a the Modern one. M. Patin has made an ample Collection of the hospital Metall till the Time of Heradus. The Gubbs Me-dals make part of the Imperial ones. They are fo call'd, as having been struck in the Times of the Gubb, and in the Deslention of the Empire; and favouring of the Igno-rance and Barbarity of the Age.

rance and Barbarrey of the age.

As to the Modern, they are fach as have been firack in Europe, fince the Usurpation of the Golds has been extend: and Sculpure and Engraving have begun to reflourish. The first was that of the famous Reformer John Bourin. The first was that of the famous Reformer John Hur in 14,151 ff any pretend to be more unioner, hey are figurious. In France, there were none struck with the France's Edgey before the Reign of Carlot VII. The struct State of the Part of the Reign of Carlot VIII. The state of the Reign of the Reign of Carlot VIII. The and Circumfinates of Events precisely whereas the Inciprious of the anticut Nedals are very flort and simple, and generally without any Date. Add to this, that the anticut Nedals are extremely liable to be constructed and precisely without any Date. Add to this, that the motion Nedals are extremely liable to be constructed and precisely without any Date. Add to this, that the motion Nedals are extremely liable to be constructed to the Nedals are extremely liable to be constructed to the Nedals are extremely liable to be constructed to the Nedals are extremely liable to be constructed to the Nedals are extremely liable to be constructed to the Nedals are extremely liable to be constructed to the Nedals are extremely liable to be constructed to the Nedals are extremely liable to be constructed to the Nedals are extremely liable to be constructed to the Nedals are extremely liable to be constructed to the Nedals are extremely liable to be constructed to the Nedals are extremely liable to be constructed to the Nedals are extremely liable to t modern, there is not near that Danger of being imposed

For the reft, Medals have been fituck in three Kinds of Metals, which make three feveral Sets or Series in the Cabinets of the Carjons. That of Gold is the leaft na-

Cabinets of the Carious. That of Gold is the leaft na-marous, as two codining of above root, or 1500 of the impetals; that of Siver may contain about 1500 imps-tible the present of the present of the present of the the great, the middle, and the final LCopper, centified of 6 or 1500, all Imperial. See STR 18.8. There are, no true leithrow Models, the dee which we for There are, no term leithrow Models, the seed which we for modern. We have a few Sheckle of Copper and Silver, with Helders of Samarian LEgends is but most of Gold, the there is mention maded one in the King of Drammer's and Cario Cario. Cabinet. F. Senest has a Differention on the Hebrew Me-dals, commonly call'd Sometiam Medals, where he diffin-guithes accurately between the Genoine and Spurious; and disews, that they are true Histere Coins flruck by the Tess, but on the Model of the Antients; and that they were current before the Babylonijh Captivity. See Sama-

were correct before the Inde/mijk Captivity. See Santa-The Parts of sheld, are the two Glests one whereof is call'd the Intest, the other the Recejo. On each Side is the Anex IV field, which make the middle of the Anex IV field. In the Intest of the IV field of the Anex IV field beneath the Ground, whereon the Figures repredented as placed. On the even Golde are diminguished the IV year and the IV field of the IV field of the IV field of the repreferred 3 the Legond is the Writing-effectivity data are repreferred 3 the Legond in the Writing-effectivity data are the the IV field of the IV field of the IV field of the the IV field of the IV field of the IV field of the the IV field of the IV field of the IV field of the the IV field of the IV field is Highlight and foom Redde far common, where the IV field is Highlight and foom Redde far common, where

others very sear in Silver, which in Coopers and Cold use very common. The Revertie is immurizes common, where the Head is singular; and form Heads are common, whole the least in singular; and form Heads are common, whole in forms Sear, and yet very common for in others. Far is fined to the singular singular

rhole of Syria. M. Morel has undertaken an Univerful Hittory of Medals, and promifes Curs of twenty-five r land. He has ranged them under four Classes. The tand. It has ranged them under four Claffe. The first coursins the Mediai of hings, Claffe, and Feeple's which have entitler the Name nor Image of the Reson Emperor. The forcood contrains the Cooping Media's in third the Importal Media's and the fourth, the Hebrers, Panis, P a German Physician, and Count Messacharla, have endea-voured to range them in a Chronological Order, but that is impracticable. For in not caroninogati Orace, out that is impracticable. For in not of the Impract Medal, there is no Mark either of the Configure, or of the Year of the Reging and fine Collin, there is none of them that bear the least Prottleys of Chronology. Greek Medals are fach as have either the Heads of Greek Emprora, or Greek in

feripiane. There are fulls or fpuises Medals, which are those councerficied, and put off for Ausipee, when they are not robusted. Monitored Medals, which are those that are not cortier, or are defined. Redustryined Medals, which are those where in we find the Larent Reft, which there those where the robusted by the Emperors: Dip Medals, which are those countries of puts of the Emperors: Dip Medals, which are those of puts of the Emperors: Dip Medals, which are thinked by puts of the Emperors: Dip Medals which are those of the Emperors: Dip Medals which are the Emperor of the Emperors of the Empe Contrivance that the Carlinos have frequent recounts to, in order to complete a their Silver Sets. Gerel' of Pallon in order to complete a their Silver Sets. Gerel' of pallon in order to complete the Greper, but which are fruch to artilly, that not the Greper, but which are fruch to artilly, that not the green on a speex, without centing them: The Green the last fulf-cited. Gram'd or Industrie Media are thick, whole Edges are cut illed Techs, which is a figur of Goodnete. Seekes are cut like Techs, which is a figur of Goodnet but we have one last that outpile. There are feveral of them, because, among thick of the Kings of Synt. Media's unseconw'E<sup>4</sup>, are thick that are cut either on the Sold of the Heard, or of the Kener's: Thefe Coanners. marks ferve to denote the Change of their Value; and this Kind is much enquir'd for by the Cariona. There are alfo Caft Medals, which are not firuck, but caft in a Mould ; and Medals that have no Reverfe.

and Measur that nave no neverte.

Scaliger derives the Word from the Mabie Methalia, a
Coin wherein is impressed the Figure of a human Head.

Menage and Vaffus rather derive it from Maralhon. Du Cange observes, that the antient Ololi were call'd Medalia, quasi-

Medetas Nammi.

Medetat Nomen.

The most noted Medalifts, or Authors on Medali, are,
Antonus Angelinus, Wolffau, Laziou, Fid. Urfinus, a learned
Antiquary, Anexa Vicus, Hoberras, Goltzeus, Offdius Septin,
Coco, Triflus, Sumoud, Vadiust, Patra, Noris, Spandous, Hardount, Morel, Subtest, Muza-dorba, Eogher, &C.

DEDALI, Subtest, Muza-dorba, Eogher, &C.

down, Morel, Subert, Muzzubarta, Egyber, occ.

MEDALLON, a Medal of an extraordinary Bignels.

It was ordinarily a kind of Medal, which Princes used to
prefent, as a Token of their Bileem 5 for which reason the
Remans call them Maffia. The Medalism were nover any
current Coin, as the Medalis were: They were struck purely curear Coin, as the Médals were: Theywere flrack parely to ferre as pablick Monaments, or to make Prefens of. There cannot be any See made of them, even the' the Cabhierer do not contain these fore or fire budden to Cabhierer do no contain these fore or fire budden to M. Merd promifies us Figures of above a thoufand. Au-thors xay about the Time when they firt began to the flrack. Some Antipures will have it under the Empire were forme further even in the Upper Empire; winefa a or tecesagnar; but this must be a Militake; for there were fome firstek even in the Upper Empire, winefs a Nose, a Topans, and an Alexandro Secress, fill extant. Meadsons of Gold are every rare, as allo thofe of large Coper. Medisions are diffinguish of from Medals by the Volume; that is, by the Thickness and Compass, and the Largeots and Relievo of the Head. Medalson, in many actions Loss Triles, are called Metalsoner. The Intlines call them Medaelin

call them Medaptom.

MEDIANA, the Name of a Vein, or little Veffel, made
by the Union of the Cephalic and Baülic, in the Bend of
the Elbow. "It not a particular Vein, or a third Vein
of the Arm, as lome Authors imagine; but merely a Branch of the Bafilie; which running into the inner Pare Braken of the Elbow, unites with the Caphalic, and forms a com-mon Vein, call'd Medona; and by the Araba, the Black Vein. Columne Medane, in Virturius, are the two Columns in the middle of a Perch, whose inner Column is larger than those of the reft.

than thole of the reit.

MEDIANA Lines, a Line or Scam running down the
middle of the Tongue, and dividing it into two equal
Parts; tho not fo effectually, but that the Blood-Veffels
of the one Side communicate with those of the other.

MEDIASTINE, or MEDIASTINA, the Name of a Vein of the Mediafrimum. See Vein and Mediastin-

MEDIASTINUM, in Anatomy, a double Membrane, form'd by a Duplicature of the Plears; ferving to di-

vide the Thorax, longitudinally. It proceeds from the Sterraum, and poffing strait down thro the middle of the Thorax to the Yertebea, divides its Cavity into two. It contains, in its Doublings, the Heart, Vena Cava, the Oc-fophagus, and the Stomachic Nerves. The Membranes of the Makafirnson are finer and thinner than the Pleura, and have a little Fat. It receives Brunches of Veins and and have a little Fat. It receives Brenches of Venus and Arteris from its Hammillay, and Daphagmantic, part Arteris from its All Manglings in Nerves cent from the Semanthics. The Mediginess white the Theories Semanthics. The Mediginess white the Theories into the Theories Date. The Mediginess white the Theories party officiacy. If the other be hindered by a Wound on the other behavior of the Mediginess of the Place. The Mediginess fovers to further the Victors, and prevent their falling from one face to the other. See Paluss, Trons Islanding from one face to the other. See Paluss, Trons

Talling from one fide to the other. One I LEUMA, AMBAN, CC.
MEDIATINUM Cerdini, is the fame as Septem Transferfism. See SEFFUM TRANSVERSUM, CC.
MEDIATE, or INTERMEDIATE, a Term of Reliable to two Extremes, applied to a third, which is in the middle; as, to a fecond Caufe, which is afted upon by form die 2 as, to a fectoud Caule, which is acted upon by Jone inperior or first Caule, to produce any Effect. Subfance is a Genus with regard to Man, but between the two bloom are other mediate Genus's, as Body and Animal. Mediate is ufed in opposition to immediate. Thus when we far, that God and flan concars to the Production of Man; God is the mediate Caule, Man the immediate. This a populate Question in Theology, size, Wherher the Holy Ghobit converts a Sinner mediciely or immediately.

verst a Sinner medicilely or unusufinely.

MEDICINE, an Art, etilinally call d'Figle; defined, by Bonbeet, to coeffii in the Knowledge of thole Things, by whole application, Life is chet preferred found and by whole application, Life is chet preferred found and control of the Health.

Physic must have been nearly coeval with the World-The Injuries and Vicifitudes of the Air, the Nature and Qualities of Foods, the Violence of external Bodies, the Against of Foods, the Violence of external Bodies, the Actions of Life, and laftly, the Fabric of the Human Compages; must have render'd Difeases almost as old as Mankind: And the Presence of a Difease, as it brings with it a painful Senfation, the Lofs of the Use of a Limb, Se. we find, does, by a necessary mechanical Impulse, fe, we find, does, by a necessary mechanical impulse, both in Brutes and Men, compol the Disasted to seek for Help, and to apply Remedies, either by mere Experi-ment, or by Inflinct, and from ancous Appetite. Hence arofe the Art of Medicine; which, in this fente, has been alarote the Art of Modelme; which, in this tente, has been al-ways, every where, among Mankind, Antient Hittiories and Fables tell us, that in a little time, from the Flood, it was fo well cultivated by the diffyings, Bulphinian, Chaldeam, and Mayi, that they were able to remove prefen Diffeales, and prevent future once. Hence it paid time to Rept. 1,3-bia Cyronion, and Connec; and thence into Greece, where it Republic.

to Cyrentees, and trottee; and thence into Greece, where it flourish(2) principally in the Islands of Cridos, Rhodets, Cos, and in Epidistens.

The first Foundations of the Art were Isid by Chance, natural Institute, and Events unforcieon: These were improved by the Memory of the Soccess of former Experiproved by the Memory of the Succefa of fermer Experi-ments; by writing down the Diffacts, their Remedies, and their Erras, on Columns, Planings, and the Willrof their Cruples; by experiging the Sick in the Marken and pul-tor. The Cruples is the Columns of the Cruples in the Diffact, and communicate a Remedy, if they knew any; and laithy, by Analogy, or Refereing, from a Com-paring of Things already otherv'd, with Things prefers and to come. The Arr at length received, a much greater degree of Periodition, by the appointing of Phyliam; from call in general by an accurace Observation of the Diff and in general by an accurace Observation of the Diff cafes in general; by an accurate Observation of the Difcafe, and its Symptoms; and by an exact Defeription of the Remedy, and its Ufe: immediately, upon which, it got among the Prietls, and at length was confined to par-ticular Families; defeending, by way of Inheritance, from Pather to Son: which, again, proved a great Bar to its Progrefs.

Frogrefi.
The Entifyties, or injecting the Entrals of Beatls,
The Entifyties, or injecting the Entrals of Endbanding dead
Carcafe, and cross Bushery (Irid), promoting the other
Carcafe, and cross Bushery (Irid), promoting the other
of Health, Diffactin, and Death. Lattly, the difficiling of
Health, Diffactin, and Death. Lattly, the difficiling of
the Animals for Philosophical Purpoles, diffind Narrarives of the Casic, Niki, Increase, Cristia, Declemina,
discon. their Choice, Perspection, Application, Proceedings. dicines, their Choice, Preparation, Application, Powers,

and Events, feem'd to have almost brought the Art to its

psecates, who was Cotemporary with Democritis, and thy acquainted with every thing hitherto laid down,

and befides, famish'd with a great number of Obser and behiefs, farmin of with a great manner or Otierra-tions of his own, collecting into one all these was valuable and safeful 3 compiled a Body of Greek Madeine; and was the first who deleved the United to a rare Physician: for being Matter of the geneele, Experience, as well as of Analogy and Reaction, and withal well verted in a pane Philatophys its, first made Physic rational and ladder Feometation of the dogmartical Medicine, which is fince obtain'd. See Dogmatical, Theoretical, Ec.

What Hippscrares had done, continu'd a long time f What Inproveres had done, continued a long time ra-cred and unlitered, and was the flanding Practice of many Ages; at length Artens the Coppulorian digetted it into a more orderly Body: whence, in various Places, at va-rious Times, and by various Hands, particularly the Alex-andrian School, it was further altered and improved; till at length it came to the hands of Claud Galen; who collecting the feature'd Parts, digetting those that were con-fus'd, and explaining every thing by the rigid Doctrines of the Peripaseties, did both a great deal of service, and of the Perspaties, did both a great deal of fervice, and a great deal of midchef, to the noble Art; he being the first who introduced the Doctrine of the Elements, the Cardinal Qualities, and their Degrees, the four Humours, 82c, into Medicine: and on their be made the whole Art to depend. See Temperament, Humour, Quality, CREE, Ec.

After the fixth Century, the Arm were not only extin-guish'd, but almost all Memory of them lost, till the ninth, from which, to the thirteenth, Medicine was vigorously culroom waters, to the thirdconta, sometime was rigorously cultivated by the Arabi in Alfa, Africa, and Spain: who applying themfelves particularly to the Study of the Materia Medica, and its Preparations, and to the Operations of Chirurgery, render'd both more full and more copious at the fame time. And yet Galen's Errors became now more

predominant than ever-

predominant man ever.

At length, bowever, they were purged out and exploded by two different Means; principally indeed by the Retloration of the pure Difcipline of Hippocrates in France; and then allo by the Experiments and Differenties of Chymiths and Anatomitis: till at length the immortal Harvey. mits and Anasomstis: attla etength the immortal Harvey overturning, by this Demonfirstense, the whole Theory of the Antientes, Isid a new and certain Basis of the Science, Since his Time, Medalenie Isocome fire from the Tynamy of any Scil, and is improved by the ferro Diffeoveries in Anasomy, Claymitty, Physica, Bottany, Mechanies, Sfr. Heises It appears, that the Art originally constitled following the State of the Control of the Contro

1) in the faithful collection of Observations; and usus a long time after, they began to enquire, and diffpare, and form Theories: the fifth pare has ever continued the fame; but the latter always routable. For the feweral Sects that have arose among Physicians, fee EMPERIO, Dou-

MATIC, EC.

MATIC U.S. is individed into five principal Benches. When the State Body, in Parts and to-bric, its Life and Health, and the Editeds following from them, and this its called Fagility, the Animal Occessory, or Delirent of the Ule of the Parts: and its Objects, now commercated, are called Ren Namarks, or Things according to Nature. See Parts nearly, NATURAL THINGS, USA.

The Second Benach Condiders the Differit of the Hardward Conditions of the Hardward Conditions of the Conditions of the Condition of the Conditi

man Body, their Differences, Caufes, and Effects; and is call'd Parbelogy, as it confiders the Difeafes; Ættelogy, rail of anomaly, as it enquires into their Caufes; Nowledge, when it examines their Differences; and latily, Symposium steley, when it explains their Effects. The Objects of this Part are call'd Res poster Naturales, or beyond Nature. See Pa-

Laftly, The fifth furnishes the Mueria Medica, its Pre-

ons, and Manner of Exhibition, fo as to reflore Health, and remove Difeates; and is call'd Terrapeutica, comprehending the Distetion, Pharmaceutica, Chirargica, and Jetrica. See DIETETICA, PHARMACEUTICA, CHI-

and Jernes. See DIRFLEND, Francous accession, and Jernes.

MEDICINES, or Medicements, Preparations of any natural Sublances, applyd to a human Body, in order to ansiver force interiors of Cure. Medicine are diffinguished, and the path of the property of the preparation of the path Part. Sec Toricas, &c.

With regard to the different Manner of their Operation they are diffinguish'd into Ecacuants, Afringents, and Attender or Specific. See Evacuants, Specifics, Arterants, or Specifics.

TERANTS.

A general idea of the Manner wherein Medicines operate
on a human Body, may be conceir'd from what follows.
A few different forts of Particles, variously combined,
will produce great variety of Fluids; fome may have one fort, some two, some three or more. If we suppuse only five different forts of Particles in the Blood, and call them e, b, c, d, e; their several Combinations, without varying the Proportions in which they are mix'd, will be these follow-ing: but whether more or less, need not be determin'd.

ab: ao: ad: ae: bo: bd: be: ed: co : de : abc : ade: abd: abe: ace: ade: bdc: bde: bec: dee:

a bed: abee: aede: abde: bede: abede: No Theory of Secretion has hitherto heen able to give any The beauty of occretion has nitheren neen able to give any tolerable Account of the Operation of self-Medicine, as promote an Evacuation. For if the Humonra are equally mix'd with the Blood, that is, if the Blood is in every part of the Body the fame, and its Particles are not more art to form earn. Humonra is former action. apt to form certain Humours, in fome certain Parts of the Body, than in others; or if they are not forced, by the Power of forme Medicine, to form fuch Humours: then the Quantities of Humour, feparated in equal Times, will always be as the Velocity of the Blood; but the Velocity atways be as the Velocity of the Blood's but the Velocity of the Blood is feldom doubled by any Medsime, and never tripled by the most acute Fever. The Quantity of Humour, however, drawn off by evacuating Medsimes, is often twenty times greater than the natural Quantity; and

therefore, upon supposition that the Humours are every where equally mix'd with the Blood, the Operation of evacuating Medicines can never be accounted for.

evacuating Mediumer can never be accounted for.

The this Argument hash the Strength of a Demonstration, yet there are fome who explain the Operation of
purgative, and other exacating Medicines, by a slimulating Yaculty; whereby the staggish Juices are not only
fore'd out, but the obstructed Canals open'd, and the
Motion of the Blood quicken'd. But the fact, a Power Medicine do only firmulate certain Glands? For it is evident, that evacuating Medicines have fome other Power, deat, that executing Medicine have from other Power, before the fiverage out eigenst juess; because who election the fiverage out eigenst juess; because who election the fiverage of the fiverage of the second of thefe ways, then in a healthful Body, where there were no Obliructions, they would have no effect at all. Fifth-ly, if the removing Obliructions were the Caufe of a b), if the removing Obliralities were the Caulie of a generic Quantity executantly, then the Evocutation Binadia counter Quantity executantly, and the Evocutation Binadia tion was removed; whereas, in field, we confirmity find it cleft, as the Modern works off. Sichily, the a Moderney of thimataining a Veiflet, may qualchen the Monison of the Fland in the Veiflet; and were increased the Quantity of it qualchens the Monison of the Fland; only by contractling the Veiflet; and therefore the failer the Fland is made on run thro! the Veiflet, the lefts Fland the Orifice of the Veiflet and one of one of properties of the Veiflet of the Veiflet and one of the Veiflet and the Pland is made on run thro! the Veiflet and of one of properties of the Veiflet of the Veiflet and the office of the Veiflet and the one of one of properties of the Veiflet of the Ve Vaffel admits and confequently after the Vaffel is con-marked by the filmshing Medium, the Secretion will be printed by the filmshing Medium, the Secretion will be printed by the Secretion will be seen as the second of the printed by the Secretion of the Secretion will be the properties be likewife fast, they filmshine the Recur-ty of the Secretion of the Secretion of the Secretion of the ir may perhaps be likewife fast, they filmshine the Recur-ty of Blood is fest to the Cluste of the Gast. This may guite Medicers, Execute that, by the firms Force, a preser-ter Quantity of Blood is fest to all the other Clushed of the Cluster of the Secretion of the Secretion of the guantity, in proportion, than any others, because they Blood, as others, which are not for men, thinsipated by cannot be lo much dilated by the greater Force of the Blood, as others, which are not fo much timulated by the Medicine. There are others, who will have centuating Medicines endowed with an attenuating Quality, by which they diffolive all the Cohefiens of the Particles of the Blood, and for the feveral Humoner at liberty, to pair thro' their proper Glands v but if thefe Medicines have a power univertally in diffolive all the Cohefiens of the power univertally to discove an analysis would equally and blood, then every evacuating Medicine would equally and indis-

indifferently increase the Quantity of every Secretion. Mercary would as continuity purge as failurate, and Nitre promote Peripiration, as well as Orine, a best this is respending to Experience. If they have a power to diffolive certain Cobelions, and not others; bits is the fetting certain Cobelions, and not others; bits is but fetting certain Cobelions, and not others; bits is the fetting certain Cobelions, and not others; bits is part fetting certain Cobelions, and not others; bits in the fetting certain Cobelions and not others; bits in the fetting certain Cobelions and the content of the content of the company of the content of the company of the company of the company of the content of the company of the compan cerain Volctions, and not omices; this is our fetting certian Parisles as liberty to pais thro' their preper Glands,
which were not fo before; and is a preparing the Humuser, in order to increase the Quantity of Secretion.

Evacuating Medicine must therefore have a power to affect from Parislet, and not others; bins it, to repel forme,
and astract, remin, and after others: and this is what may
be affirm'th to be in all Medicines, and is what a thousand
be affirm'th to be in all Medicines, and is what as thousand be attentil to be in all basistees, and is what a thuorisal Chymical Experiment demonstrates. The deveral Humons into being form'd, by the different Cohefine of the Far-Chian, mile be in a Frequentia composaled of the Far-Chian, mile be in a Frequentia composaled of the Fo-portion, that the Number of the Fartislee, cheering in lands a susacra as it repers to confirme the Humon-ter and the Fartislee, the Fartislee of the Fartislee, the waste of the Forestrian of the Quantity of Blood, that ar-vives at the Gland. And hence it follows, that where there is a determinant Quantity of Blood, that are river at the Gland. And hence it follows, that where there is a determinant Quantity of Blood, that are prepared to the Charles of the Charles of the Charles for the Charles of the Charles of the Charles follows and the Quantity of the Blood that arrives at the Glands and therefore, if the Quantity of the Secretion is to be increased, the Number of Particles is to be lin-ord Particles, proper for the a Secretion, is to be cliedly and it in the Section is no be felled, the Nember of Particles, proper fit fich a Section, is to be felled in the fine Properties. Mediene, therefore, which can ster the Codelines, and Combination of the Particles, and Combination of the Particles, and Combination of the Particles of the Particles of the Codelines of the Codeli organism of the Glands, is not diminifh'd in the fame Pro-portion, as the Number of Particles is increased. After the fame manner do Diureties, Sudorifies, and Modeines,

the Ene remove do Durcicia, Sadodi Enematic Anterior Web Processor and Control ticles are to run into any one fort of Combination, the lefs sites are for unit not any one tore of Combination, the left all other Combinations must be: and confequently the increasing any one Secretion, must necessarily diminsh the Quantity of all others; but most especially of that, which has the most of the same fort of Particles. See SEGRETION, 3140MOVE, Se.

MEDICINAL Hours, are those proper to take Medi-cines in: Of which there are four in the Day, viz. in the Morning failing, about an Hour before Dinner, about four Hours after Dinner, and going to Bed; but in acute Cafes, the Times are to be govern'd by the Symptoms and Ag-manifest of the Difference. gravation of the Diftemper.

gravation of the Difference, an Inquest impransed d, whereof MEDIETAS Larges, an Inquest impransed d, whereof MEDIETAS Larges, an Inquest impransed d, whereof MEDIETAS Larges, an Inquest impranse d, the self-strangers. It is useful in Pleux, whereon the one Parry it a Stranger, and the others Denisten. Software & Surject, and Stranger, and the other Sensites. Software & Surject Server in the Time to Flaberat I. had a Caule trute for the Sheriff of Naturels, by a Jury of fee protest of Regulator, the Christics New York.

MEDITATION, an Adion by which we confider any thing closely, or wherein the Soul lis employd in the Search of any Truth. In Religion it is used to figuify a Confideration of the Mylletics and grand Truths of Fisht. The Wyllet make 2 great difference between Me-datation and Contemplation. Mediatano confilis in differ-tive Adia of the Soul, confidering methodically, and with

attention, the Mysteries of Faith, and the Precepts of Morality: And is perform'd by Resections and Reasonings, which leave behind them manifest Impressors in the lage, which take belief their manner in need of Media-tion, as feeing all things in God at a Glance, and without any Reflection. When a Man therefore has once quitted tion, as focing all things in God at a Glance, and without any Reflection. When a Man therefore has once quitted Meditation, and is arrived at Contemplation, he returns no more is and, according to Mewes, never refumes the Oar of Meditation, except when the Wind of Contemplation is too weak to fill his Sails. See Contemplation is

MEDITERRANEAN, fomething inclosed within Land. The Word is particularly used to fignify that large Sea, which flows within the Lands of Europe and Africa, by the Streghet of officellur, and reaches into Africa, as far as the Europe Sea, and the Palm Mowith. It was antimety call'd the Grecian Sea, and the Great Sea. It is now canton'd out into feveral Divisions, which bear several Names: ton'd out into feveral Divitions, which open feveral trainer.

To the Weit of Buly it is call'd the Légifiq, or Tufous
Say near Fenice, the Advint's towards Greece, Jonie and
Ægitan's between the Helefyman and the Bulybura, the
White Sac, as being very fafe's and beyond, the Black Sac,
in Navigation being dangerous. The Anals call the Mediterraneous Sac, the Chamber-Pas, by reafon, they fay, of its

MEDITULLIUM, is that fpongy Subffance between the two Plates of the Cranium, and in the Interflices of all Imminated Bodies. See Cranium. MEDIUM, a Latin Term, fignifying Middle of Mean.

See Man.

Mineuw, in Logic, or Mineuw of a Sphegjim, call'd
allo the mean or middle Tens, and by the Indians, means
commists is an Argument, Resling, or Confidenting, the
commists is an Argument, Resling, or Confidenting, the
why the greater Extreme is nativitated to, or depth of
the lefts in the Conclusion. That, in the Syllogim, 'Every good thing is to be defired; but all Virue is
"good i therefore all Virue is to be differed.' The
Term Good is the Nations of Yirse the Left Extreme, and
the Conclusion of the Conclusion of the Conclusion of the
Term Good is the Nations of Yirse the Left Extreme, and
the Conclusion of the Conclusion

on be derift the greater. See Syllon 1888, ENTRAINS, CONTROLL OF THE AUGUST OF THE AUG

Discourse, Invention, S.c.
Medium, in Arithmetic, or an Arithmetical Medium or
Mean, call'd in the Schools Medium Rei, is that which is equally diffant from each Extreme; or, which exceeds the lefter Extreme, as much as it is exceeded by the greater; in refpect of Quantity, not of Proportion. Thus, Nine is a Medium between Six and Twelve. See Arithmetical Pro-

FORTION.

Geometrical Medium of Man, call'd in the Schools Medium Perfore, is that where the fame Ratio is preferved between the fifth and fecond, and the fecond and third Terms; or that which exceeds in the fame Ratio, or Quost of itell, as it is exceeded. Thus Six is a geometrical Medium between Four and Nine. See Geometrical Performance of the Perfor PROPORTION.

This is the Mediam which Virtue is fupped to observe a where of fore call it Mediam quand not, as having a View to Circumstances, Times, Places, Persons, 25c. Diffriba-tive Justice observes a Geometrical Mediam; Commutative Justice, and Arithmetical Occ. Sec Justices.

The Schoolmen diftinguish divers other Kinds of Me-DIUMS ; as

MENTUM Participationis, in the Schools, is that faid to be compounded of the two Extremes: Thus, Man, who is partly Bedy, partly Mind, is a Medium by Participation, of the two Extremes; Io, is Warmth the Medium of Heat and Cold, &c.

Hest and Cold, &c.

Minterns Negatimic or promotion, it has, shorted but Ballette and the state of the control of the state of the control of the state of the control of the state of the state of the control of the state of the state of the state of the control of the state of the Chaderiandag, with the state of the state of the Chaderiandag, with Minterns and of the state of the

whereby an Agent produces an Effect; in which fenfe, Heat is faid to be the Medians or Mean, whereby Fire acts -MEDIUM fub que, is that which on the Hand——MEDEUM fib  $g_{ij}$  is that which rec-der the Power to Ad, complex, in the general; without externaining it to any particular Object: In this feate, Lights at the Makey, under which the Upp receives any whereof, a Power in produced in any thing, of knowing or perceiving another; Such, in a Speculom, as in these or perceiving another; Such, in a Speculom, as in these an Object an Image, as it repreferant the Reality,  $\xi C$ : Marson, in Mechanical Fallodophy, it that Space or Region, thus which a Body patter in its Montan rowards wherein the Characyle Bodies more, Sec. Extras.,  $\phi$  wherein the Reavaly Bodies more, Sec. Extras.,  $\phi$ 

any Point. Thus Zetter is Improted to be the Assemble wherein the heavenly Bodies move. See Zetters. Air the Medium wherein the Earth is encompaired, and Earth 18 Bodies move. See All. Water the Medium in Medium in the Filhes live and move. See Warks. Thus, Glaj's is also a

Filhas her and more. See Waxna. Than, Leip's althia Monitos of Lighty as is infined in a free Philipse; and the Deathy of Confliction in the intended per Confliction in the intended per Leip Confliction in the intended per Leip Confliction in the intended per Leip Confliction in the Caulie of the Collision of Monitos of Pro-Salité Mensurus, Sir leip's market in probability in the Caulie of the Collision of Monitos of Pro-Salité Mensurus, Sir leip's market in probability. That beful the particular Activation whereas we like the calls an Allevia Moniton with more area, fability, and adding the calls an Allevia Moniton with more area, fability, and diffining in either the whole Concains. And by the Intervations betted the thinks of the press of the Confliction of th Phanomena of Nature are enecued. 1 me in tecorife to, as the first and most remote Physical Spring ; and the Ultimate of all natural Caufes. By the tions of this Medium, he takes Heat to be propagated from Jucid Bodies; and the Intenfencis of Heat increas'd and lucid Bolles; a sed the lateralons of Hear factored and prepared a lot Bolles; and from them communicated to cold cone. See Heart. By this Medium he takes Light to cold cone. See Heart. By this Medium he takes Light to be emission, which the cold present the second careful of that this Medium separates the Source and Carefu of Art sections. See Licotts, Parkitacyrons, Rathacarrons, Bajin, this Medium being much tare within the between yellowing the second present t

VITATION

Again, from the Vibrations of this fame Medium, excited in the bottom of the Eye by the Rays of Light, and thence propagated thre the Capillaments of the Optic Nerves into the Senfory, he takes Vifion to be performed; fee Vision: 1 And 10 Hearing, from the Vibrations of thisse fome other Medium, excited in the Auditory Nerves. by the Tremors of the Air, and propagated thro the Ca-pillaments of those Nerves into the Senfory: and thus of the other Senfes. See Sensation, Hearing, &c.
And, again, he conceives Mufcular Motion to be perform'd by the Vibrations of the fame Median, excited in

form'd by the viorations of the tame Mathema, excited in the Brain at the Command of the Will, and thence pro-pagated thro the Capillaments of the Nerves into the Muscles; and thus contracting and dilating them. See

The Elastic Force of this Medians, he shows, must be prodigious; Light moves at the rate of 10,000,000 Miles promises Light moves at the rate of 10,000,000 Meets in about feven Minutes, yet the Vibrations and Pulles of this Medium, to cause the Fits of cass Reslection and any Transfmission, must be swifter than Light, which yet is 700,000 times swifter than Sound. The Elastic Force of 700,000 timds i witter than Sound. The Elatite Force of the Michael Merchenfor, in proportion to its Denfity, mult be above 290,000,000,000 times greater than the Elatite Force of the Δft, in proportion to its Denfity: The Velocities and Pulles of Elafith Michael being in a fab-duplicare Ratio of the Elatitic Michael Being in a fab-duplicare Ratio of the Elatiticities, and the Ratiries of the Adelmo, taken together. And thus may the Vibrations of this Michael Michael Ratio (The Elatiticity of Bodies. See ELASTICITY.

Further, the Particles of this Medium being supposed infinitely small, even smaller than those of Light; if they be likewise supposed, like our Air, to have a repelling be likewide luppeled, like our Air, to have a repelling Power, whereby they recede from each other, the Smallness of the Patricles may exceedingly centribute to the Increase of the repelling Power, and confequently to that of the Editivity and Rariy of the Medium's and fo fit is of the free Transmitten of Light, and the free Mexims of the hexvenly Bodies. In this Medium may the Planets and Comets roll without any confidence like Reliance. If and Comets roll without any confidence like Reliance. it be 700,000 times more claffic, and as many times rarer, than Air; its Refiftance will be above 600,000,000 times less than that of Water: A Refistance that would

ke no fensible Alteration in the Motion of the Planets ten thousand Years. And is not fuch a Medium better in ten thoufard lears. And is not firth a Madism better displaced for the beavenly Merions, than that of the Cartillane, which fills all Space adequately, and without learning the control of the Cartillane, which fills all Space adequately, and without learning the Cartillane, and the can, by Frittun, emit an Exhalatore lo rate and fabrile, yet to porett, as, the le Emilian occidion no femilial experience of the property of

That the Heavens are not fill'd with any other, but fuch a fabrile othercal Medium, is evident from Phenomena; whence elfe those lathing and regular Motions of the Planets and Comers, in all manner of Courses and Directions. And how are fach Motions confilent with that Refulance, that must refult from that denfe, fluid Medant, the control of the Carpfan ell the Harvest. The Ec. filiance of fluid Medium, and partly from the Cabrillon of the Parts of the Medium, and partly from the Cabrillon of the Parts of the Medium, and partly from the Cabrillon on the Parts of the Medium, and partly from the Part Income. The first, in a spherical Body, a nearly as the Diaton of the Cabrillon of the Body. The latent is as the Signature of the Cabrillon of t in ordinary Fluxls, arises from the Fra mettae. That year which arises from the Tenacity of the Medison, may be diminished, by dividing the blaster into smaller Paras, and making those more smooth and stippery. But the other will still be preportional to the Dessity of the Matter, and cannot be diminished any other way, but by a Diminished of the same. Thus the Refishence of flaids a Diminustion of the large. Thus the Kelistance or much Medianus, is bearly proportional to their Denfittes; and thus the Air we breath, being about 500 times lighter than Water, mult refift about 500 times left than Water. As, in effect, the fame Author has found it does by Expensional Conference of the Conference o As, in effect, the time Author has found it does by Experiments or Positionary Bodies moving in Quida Suiver, moness or Positionary Bodies moving in Quida Suiver, for the Grand Suiver, and the Control of the Child's Which they mad, were their Poser filled of the Filled's which they mad, were their Poser filled that the Child Suiver, which they mad, were their Poser filled that for the Grand Suiver, and the Child Suiver, and control of the Child's Suiver, or as Quick-Sliver, they would not need fill much lets, if abbility done, which are not would not refill much lets, if abbility done, which are not would not refill much lets, if abbility done, which are not work to the Child Suiver. As I was a suiver, or as Quick-Sliver, the Vandel on refill much he first the Child Suiver. As I was suited to the Child Suiver, and the Child Suiver, and the Child Suiver. As I was suited to the Child Suiver. As I was suited to the Child Suiver, and the Child Suiver is suited to the Child Suiver. As I was suited to the Child Suiver of the Child Suiver is suited to the Child Suiver of the Suiver Suiver is suited to the Child Suiver of the Child Suiver of the Child Suiver, and Commert, the Events must be carry of all Matters, and Commert, the Events must be carry of all Matters and Commert, the Events must be carry of all Matters and Commert, the Events must be carry of all Matters and the Child Matter as we have described. An Armsdrightens of the Earth, Plances, and Commert, the Events must be carried to the Suiver of the S riments on Pendalums. Bodies moving in Quick-Silv only to check the widering Motion of their Parts, wherein their Heat and Adhivity conflits. Such a Medium, therefore, unlefs we had forme Evidence of its Existence, multiple given up; and that given up, the Hypothesis of kight's confifting in a Preffore, falls to the ground. See Light's PRISSION, CARTESIANIAM, 55.

Pression, Cartesianing, Gr.
MEDIUS Pentre, in Anatomy, the Breaft or Thorex.
Seo Tironaxy fee also Verter.
MEDULLA in natural History, Gr. Sec Markow.
MEDULLA, in natural History, Gr. Sec Markow.
MEDULLA Crister and Cereless, the white foir Part
of the Hain; and Cereless, overal on the Quitide with
the Corrical Subtency, which is of a more dark or afty
Colour. See the Origin, Stratfour and Ut to thereof, under

and CEREBELLUM MEDULLA Oblongata, is the Medullary Part of the Brain and Cerebellum join'd in one; the fore part of it com-ing from the Brain, and the hind-part from the Cerebel-lum. It lies on the Basis of the Skull, and is continu'd thro' the great Perforation thereof into the Hollow of the Vertebræ of the Neck, Back, and Loins: the only for much of it retains the Name, as is included within the Skull. After its Exit thence, it is diflinguish'd by the

Name of the MEDULLA Spinalin.

The Substance of the Medalla Oblongata being only an Aggregate of those of the Brain and Cerebellum, muit, like them, be purely fibrous or nervous, and only an Aflike them, be parely hibrone or nervous, and only an Af-femblage of minner Tubes for the Conveyance or the A-nimal Spirits. It suffice, as it were, from four Rootes, whereof the two largelf frings from the Brisis, and are call'd Corner: the two leffer from the Cerebellum, which Do William Call Pedoneal. See Brass, Crassmetter. M. There are feveral Parts or Members of the Medida Ol-longuas, particular Deferriptions observed will be found an-

der their proper Heads. In the general it may be ob-fere'd, that, upon inverting it, the first thing that appears upon its Trunk, is a Protuberance fomewhat like a Ring, upon in Tunk, is a Protaberusce fomewhat like a Ring, for that readon call Paradonamia commistion. Then had low ten Tair of Newres, which have their Origin hore, because the Artificial Control of the C secues on each Side, the one Pair call'd Orpera Strain, from the appearance of Stripes, on crorns Erices, wishing from the appearance of Stripes, on crorns Erices, within them, their outer Subditates being corrial or glandalous, Berrist the Carpor Strain is a bread this ProdeStripe of the Modelle, call'd Farnis; and undermoth them lie two Orleans of the Modelle, call'd Farnis; and undermoth them lie two Constant Carpor Strain is a bread to the ProdeStripe of the Modelle, call'd Farnis and under the Farnis an arrow Agerman, call'd the Farn, which less two the Informations and Led Pleasa Consider. And under the Farnis an arrow Agerman, call'd the Farnis, which less two the Informations of the Production, three the Modelle of the Brein's being lived with the Tas Marre. Under this, in the Orac call'd Self-Explains, our Turcies, upon the Or Orbito's, in the Calculate Turcians; and the Carpor Carpo which is fortrounded with a Please of Voilible, call'd Rece Mondale, only within in Branza. On the hind part of the thank Vererible is firmly resource, all d also believe to the properties of the properties of the properties of the firmly respectively. The state of the properties of the familiance to a Pine Apple, is call'd Common, or Glombia for the properties of the properties of the Mondale Collegian, near the Cardellom, are low Promberances, and leftly Tight. Servere in the and the Proceedies of the Cardellom, is the fourth Vertricle, from in Figure call'd trends of the properties of the Properties of the Pro-teins of the Properties of the Pro-teins of the Pro-

Catassis scripturas. Onche Prominence, visco on each Side general recentity, are found in Prominence, visco on each Side general recent gener The Subflance of the exterior Part is much the fame with that of the Corpus Californ, only somewhat toughter, and more fibrous: which Difference becomes the more and more fibrous; which Difference becomes the more apparent, as it deficeds the lower, by reafion of the Streightness of the Cavity, which growing gradually more narrow, prefiles the Newholmy Fibres choice together, and render them more compact, and gathers them into more diffined Fafeiculi, till having defeended the whole Track of the Spina, they end in the Casala Equina. It is the Origin of most of the Nerves of the Trank of the Body: It fends our thirty Pair on each Side to the Limbs, the great Ca-vities, and other Parss; which are nothing but Fafeiculi of Medallary Fibres, cover'd with their proper Membranes.

The Spinal Marrow is generally faid to be cover'd with The Spinal Morrors is generally fail to the covered with four Coasts: The first, or external one, is a timeg servous of the control of the control of the control of the of which it firmly adheres. The fectod is a Production of the Dura Marris; it is executingly fitness, and ferres to defend the Spinal Morrors from any Hart from the Plea-ton of the Control of the Morrors of the Control of the Control of the Control of the Control of the Morrors of the Control of the Membranes of the Medalla. This Membrane gives a Coat to the Nerves, that go out of the Spina, which is the inner Membrane of the Nerves, as the Dawn share gives the outer. The fourth Coat is a Continuation of the Pin Mater, and is a nextremely thin, fine, transparent Membrane, firifilly embracing the whole Subfinance of the Medalla, divides it, i. http://dx.doi.org/10.1009/10.100 dividing it in the middle into two Tructs, and making, as it were, two Columns of it. See Spine, Vertebre,

MEDULLA Officer, or Metroso of the Bones, is a fost fatty Subflance, placed in the Cavities or Porcs of divers Bones 3 ir is inclosed in a Membrane; and is devoid of Sense: it

AT ) ME M

is red in the greater Christ, See Boaz. From this is
forcered by Monthly College, See Boaz. From this is
forcered by Monthly College, See Boaz. From this is
forcered by Monthly College, See Boaz.

MEDULLARY OI, is no more that the finer and more
findle harm of the Monthly of Monthly College

MEDULLARY OI, is no more that the finer and more
findle than the Monthly of Monthly College

Boaz. The Dach, but by finall Perils was to the
Boaz. The Dach, but by finall Perils was to the
Boaz. The Dach, but by finall Perils was to the
Monthly consider of See Boaz.

Boaz.

However, the College Boaz.

However, th

the great Mother of the Gods, that is, Gybel or Rhea; wherein, were Games or Combats held before the Temple of that Goddefs. They were call'd hispatifia, from the Greek wyazis, Great; Gybele being accounted the great

Godden. MELA. Chirageon's indiscence, sall'd allo-Spendine, MELA. Chirageon's indiscence, sall'd allo-Spendine, MELA. Chirageon's indiscence, sall'd allo-Spendine, see consign on the USE in is intended for. See SPECURS. The continue to the Company of the Compan

Vapous from a redundant black Bills. Some of the file-dens afterlie it on bei ringgalar Morion of the Spirits, and their seld Confination; and others, who know it better, Sufficiency of Spirits to be feptrated in the Birals, on al-most cost in the Spirits of the Spirits of the Spirits, on the Spirits of the Spirits of the Spirits of the Spirits, on the Spirits of the Spirits of the Spirits of the Spirits of Spirits of Spirits of Spirits of the Spirits of Spirits of Temperament and lides of the Perion stifted with it. It is a Species of Madesfu, and only differ from a down-right Malas in degree. The Weel comes from the Greek Spirits of Spi

See. MELCHISADECHIANS, ansient Sectaries, fo call'd, because they raid Melchifactor above all Creatures, and even above Jefas Christ. The Author of this Sect was one Treastmy, whence the Melchifactorism became more commandy known by the Name of Theostatura; all the commands whome by the Name of Theostatura; all the commands and the section of the se who, according to them, was the great and fupreme Vir-tue. See THEODOTIANS.

nne. Ber Thramoyraans.
MALGHITEAS, hen Num die Religious Seel in the
MALGHITEAS, hen Num die Religious Seel in the
MALGHITEAS, hen Num die Religious Seel in the
lating citizer to Faith or Wordhip; but yet finals sing
entre Language. The Word, in the Syries, Agnifies, Soyallip, and was fermerly apply'd to the Catholice by the
Hencitia, who refuted to Isbuint to the Declines of the
Hencitia, who refuted to Isbuint to the Declines of the
chart of the Catholice of the County of the Catholice
they were of the Religion of the Buspere. Those zow
cat'll Modders, are folk People, as, indashing among the
the Sysians, Capher, or Egyptum, and other Leonaire Naticutes, follow the Capitans of the Crosel, below on Greek demonstration, follow the Capitans of the Crosel, below on Greek demonstration, Follow the Opinions of the Greeks, then on Greek shem-felvers: And this for the ration that Garlell Samine, talls them indifferently by the Name of Greeks and Middlets. The Lanes Amber delivers, that they are freetal three the Greeks of the Greeks and Middlets. The Lanes Amber delivers are the Carlell Samine and Establish the Greeks of the Greek Samine and Difforlier. They have tradited the Greek Eschologue, and cheek Books of that kind, into wholes and have the Canona of Councils in the fame Language. To those of the Council of Note, they have staddles are Canona, commonly call'd the Arabie Canoni; which are likewife receiv'd by the Jacobies and Maronies; Tho most of the Learned look on them as fpurious. MELICERIS, is a Tumour inclosed in a Cyflis, confishing of Matter like Honey: it gathers without Pain, and gives way upon Preffure, but returns again: It is to be cured by warm Difectionts.

MELITITES, a greyish Stone, which, when pulveris'd, yields a milky Liquot, of a Tatle fornewhat like Honey, whence it takes its Name. It is found in Mines of Metals, whence it takes its Name. It is found in Minnes of Morenia, and fecens to particle pretry much of the Nature of Leady, having a Sweemels formewhat like the did Strawn, but much fainter. It endly differs from the Galdiffers, in that it is justified to the rather. The Antients sold it in Indiana the Company of the Melli Lills Ingoined, it will be the little for a fecond lequity of what Lands and Tenements a Man died fainted, a few control of the Company of the Melli Lills Ingoine the With, all Ill. Down

where Partiality is suspected, upon the Writ, call'd, Diess

olanific extremum.

MELODy, in Mufic, is the agreeable Effect of different Mufical Sounds, ranged or disposed in Successions So that Melody is the Effect only of one fingle Party Voice, or Instrument; by which it is diffinguished from Voice, or Infirements by which it is diffingulfied from the common Specch, their two are frequent-by confounded. Harmony is the agreeable Relate of the two confounded in the confounded of the confounded in Confounce, i.e. at one and the fame since, in that Harmony is the Ericci from Parra at least 1 As therefore a continued Successifien of mufacel Soomed produces Mishely, for does a continued Combination of thele produce Har-ponies and the confounded contribution of the confounded the Parray.

FARTE.

Tho' the Term Melady be chiefly applicable to the Treble, as the Treble is chiefly diffinguilh'd by its Air y yet fo far as the Bas may be made airy, and to fing well, it may be allo properly faid to be Meladum. See Tarrer and Bass.

Of the twelve harmonical Intervals of Musical Sounds, diffinguish'd by the Names of Scoond leffer, Second greater diffinguished by the Names of Second tiller, Second greater; Irrial leffer, Univergenter; Furnit's falle fifth; Fifth; Stath leffer, Stath greater; Second leffer, Second greater; and Ollazes all Meldody, as well as Harmony, are compacted. For the Octaves of each of thefe are but Replications of the fame Sounds; and whatever is faid of any, or all of thefe. Sounds, is to be underfitted also of their Octaves. Sec OCTAVE

See OCTANIA.

For the Rales of Metholy, fee Controllyton. The Word comes from the Greek took, theory and sell, Staylor, MEMBERS, in Anatomy, the exterior Parts, assing from the Trunk, or Body of an Acimal, like Boughs from the Trunk of IP. Wee See Bony. The Brightian shifts the Irank of all Press. See Bony. The Brightian shifts the Endy into three Regions or Venures (the Head, the trunk of all Press. See Bony. The Brightian shifts the Irank of all Press. See Bony. The Brightian shifts which are the Month.—It for all other Externities of the Control of Adders, because they are Parts stated to the Cram.

Address, because they are Parts stated to the Cram.

Milare; because they are trans attached to the 1 runs. Bach Musher, and Perrion of the Body, was antiently de-voted to fome Divinity. The Head to Tupice, the Breath to Neptune, the Navel to Mart, the Ear to Memory, the Street Forehead to the Genius, the Right-Hand to Faith or Fidelity, the Knees to Mercy; the Eye-brows, again, to Jupiter hisy, the Kneek to Mercy; the Eye-brows, again, to Spirice, the Eyes to Onlyad, or according to others, to Marewa; the hind Part of the right Ear to Nessefit, the Back to Pleas, the Reins to Forms, the Feet to Mercay, the Heels and Soal of the Foot to Theys, and the Fingers to Minerus.

MEMBERS, in Grammar, is underflood of the Parts of a Minerus.

MEMBER, in Grammar, is understood of the Paris of a Period of Schience. See Planton and SINTENEX.
MEMBER'N, or MEMBERD, in Heraldry, is where the Leg or Foot of an Eagle, Griffin, or other Bird, is of a different Colour from the reft of the Body.

Herent Colout from the rest of the Body.

MEMBRANA, in Anatomy.

MEMBRANA Community Massacraphy

MEMBRANA Proprint Afficialrum.

MEMBRANA Proprint Afficialrum.

MEMBRANA Community Forderum.

MEMBRANA Comple.

MEMBRANA Comple.

MEMBRANA Niffiami.

MEMBRANA Tymponi.

MEMBRANA Tymponi.

MEMBRANA Tymponi.

MEMBRANA Tymponi.

MEMBRANA Tymponi.

ALLANYOIS.

MEMBRANE, in Anatomy, a finilar Part of an Animal Body; being a thin, white, fiexile, expanded Skin, form'd of leveral forts of Fibres interwoven together, and ferving to cover or wrap up fome certain Parts of the Body. See Bony and PART.

See Bony and P.ART.

The Membrace of the Body are various; and variously demonstrated: Such as the Periofilam, Place, Periodically Places, Periodically Places, Periodically Places of the Periodical Places of the Periodica

The Fibres of a Membrane give them an Elasticity, whereby they can contract, and clotely grafp the Paras they contain; and their nervous Fibres give them an exquisite Senfe, which is the cause of their Contraction; they can therefore feareely fuffer the Sharpness of Medition and the case of the contraction; they can increase tearery numer the onarpaets of auceines, and thofe are difficultly united, when wounded. In their Texture, there is a number of small Glands, which feparate an Humour, fit for moistlening the Parts they contain. By reason of the Thickness and Transparency of the tain. By realon of the Lucknels and Transparency or me Membranes, the Ramifications of the Bloody-Vifica are more apparently feen in them, than in any other Patr of the Body: here the innumerable Divinous, Windings, and Turnings, ferpentine Progretifons, and trequent Instead tions, not only of Veins and Arteries together, but also of Veins with Veins, and Arteries with Arteries, make a most agreeable Embroidery, and delicate Network, covering the whole Membrane.

vering the whole processors.

The Ufe of the Mondranes is to cover and wrap up the Parts, and itengthen them; to fave them from external Injuries; to preferre the natural Rear; to join one to to snother; to full injuries in the New York of the State of to snotner; to fulfart mail welfels, and the Nerves when run ther their Duplicatures; to flop the returning of the Humours in their Vellels, as the Valves flop the return-ing of the Blood in the Velns and Heart; of the Chyle in the Thoracic Duct; and of the Lympha in the Lymphatic Veffels.

phasic veters.

Anatomitis generally affect, that there is a Mombrana Anatomitis generally affect, that there is a Mombrana Community Majoritane, or Mombrane common to all the Musicles; being led into that Millake by the Appending of feveral Musicles; wherea, upon fritefer Observation, there is no fuch thing to be found. See Musicles. The Musicana weight Musicles in the thirty is the control of the Musicana weight Musicles in the transition. Membrana propria Majeulorum, is that which immediately covers all and every one of the Fibres of a Mufele, and is closely tack'd to them. There is another common Mess-

choisty suck-d on time. There is another common affas-ioner, cal'll Monderace Gomman Fightman; which is a the Monderace, accompanying almost 311 the Vetfels of a common such as the common such as the common such such as the common such as the common such as the Word comes from the Luin Monderame, Parchiner. BARD RAN COUNTS, in Anasomy, a Motific of the Ley Mill BARN COUNTS, in Anasomy, a Motific of the Ley BARD RAN COUNTS, in Anasomy, a Motific of the Ley and Paging alone. It is a fine that the common such as the Monderace of the Counts where the com-tine the Country of the Country of the Country of the Country of the Spice of the Country of the the Country of the Country of the Country of the Country of the the Country of the Co the Thigh and Leg, down to the Foot, where it joins with the Ligamentum Annulare; and in its Action turns the Leg

MEMBRED: In Heraldry, those Birds, which are either whole-footed, or which have no Talons, are blazon'd by the Term, Membred.

MEMOIRS, a Term oow much in use for Histories, composed by Persons who had some Share or Concern in the Transactions they relate, or who were Eye-witnesses of them 3 answering to what the Latins call'd Commentary The French are great Dealers in this way of Writing, and have an infinite number of Books of Memoirs, containing, for the Generality, the Lives and Actions of the Wri-

Memoras are also used for a Journal of the Asta, and Proceedings of a Society; or a Collection of the Matters debated, transfixed, &c. therein. Souh are the Momers of the Royal Academy of Sciences, &c. See Academy

MEMORY, a Power, or Faculty of the Mind, where-by it retains or recollects the simple Ideas, or the Images, and Remembrance of Things we have feen, image d, understood, &c. See Soul, is see also Powers, Faculty

Growing and the Feedback, there is none harder to account for, or leat he periods, the finding the first of t confitt the Eule wherewish we recolled fish thess. They Wine is found to Altrape the Messay, in regard the Spirits of the Wine put the estimal Spirits in Motion, and against the Fibres of the Beins the mose briskly. See lors, Barley, Tracey, Rimmannace, U.S. Pather Molli-root captelled in Normon of Alemeyrthus: It being granted, that all our different Perceytions are towing to Chings bedprending the Fibres of the principal Part of the Brain, wherein the Soul more immediately and the second of the Part of the Brain, wherein the Soul more immediately and the Spirits of the Brain, wherein the Soul more immediately and the Spirits of the Brain, wherein the Soul more immediately and the Spirits of the Brain, wherein the Soul more immediately and the Spirits of the Brain, wherein the Soul more immediately approach to the Spirits of the Brain, wherein the Soul more immediately approach to the Spirits of the Brain, wherein the Soul more immediately approach to the Spirits of the Brain, wherein the Soul more immediately approach to the Spirits of the Brain, wherein the Soul more immediately approach the Spirits of the Brain, wherein the Soul more immediately approach the Spirits of the Brain, wherein the Soul more immediately approach the Spirits of the Brain, wherein the Soul more immediately approach the Spirits of the Spirits

ME M

stately refides, the Nature of the Money is obvinue:

for as the Leaves of a Tree, that have been folded
for fome time, in a certain manor, pederse 15ments of a Tree, that have been folded
for fome time, in a certain manor, pederse 15ments 15me

Fibres of the behalf are second too maint or receive, or too moist to retain fuch Impression. For the same reafon, those who learn with the greatest Eafe, forger the
fonness in regard when the Fibres are fost and flexible, Objects make a slight Impression, which the connote, Objects make a flight Impression, which the continual Coarfe of animal Spirits cally wears off: On the contrary, the Fibres of those who learn flowly, being lefs flexible, and lefs flubject to be shaken, the Truces are more deeply engareen, and failt the longer. From all which Observations it follows, that the Memory is abolutely dependant on the Body's home included. att which Ubservations it follows, that the Missey is ab-folurely dependant on the Body; being impair'd or 'ftrengthen'd, according to the Changes that befull the Body; a Fail, the Transports of a Fever, 15th. being ste-dgently found to erasic or blot out all the Traces, to bear away all the Ideas, and to cause an enversal For-estfulness.

gerfulnels.

Techeir Difficulty that clops this Destrine of Momory,
is to conceive how such an infinite number of Thinge, as
the Head is stored withal, should be ranged in so much
order in the Massay, as that the one should not efface the
other: and how in fach a prodigious Astemblage of Traingential on the Resin, the animal Spirits flowlid aces imprefs'd on the Brain, the animal Spirits flouid a-wake precifely those which the Mind has occasion for. See

SPIRITS.

Series fays of himfelf, that by the mere Effort of his natural Memory, he was able to repeat two thousand Words upon once hearing them, each in torder; tho' they had no Dependance or Connoction on each other. After which he mentions a Friend of his, Parisa Latra, who retain'd he had been all the ball and the property force and the ball of the lates of the force and the ball of the lates of the force and the ball of the lates of the l ne mentons a Frend of his, Forisa Latre, who retain d in his Mesony all the Declamations he had ever flock, and never had his Mesony fail him, even in a fingle Word. He also mentions Gyrsat, Ambassiador to the Kassaw from King Pyrshas, who in one day had so well learnt the Names of his Spectaors, that the next he failured the Wantes of his Spectaors, that the next he failured the whole Senate, and all the Possilons of Spectaors. whole Senate, and all the Populace affembled, each by whole Senate, aid all the Populace affembled, each by his Name. Plany lay, that Cyara Investment in his Army by Name; and L. Sopis, all the People of Remc. Charmida, or mither Carnead, when required, would repeat any Volume found in the Libraries; as readily as if he were reading. Dr. Walfar fell us, Max without the 2-fifthence of Pen and Inks, Dr. Walfar fell us, Max without the 3-fifthence of Pen and Inks, or force of Money, up perform Arithmetical Operations, as Maliphication, Drivings, Sex traftions of Roots, U.S. to Grovy Places. Particularly, that in Polaries; Sci. As the recould in 3 reviewers of the Penglement of Penglement of the Penglement of the Penglement of Pengl traction of Roots, E.c. to forty Places. Extractally, that in Felwary 15th, at the request of a Foreigner (by Night, in Bed) he properd to himfelf a Namber of fifty-three Places, and found its figures Root to twenty-feen Places as and without ever writing down the Namber, dichated 'em-

and without ever writing down the Number, diblated 'un from his Monny, a hin next Visit, weard plays afterwards. Lead or designed Maxaox, is an Art of Invention, by means whereof, the Minny is impeded to be subdy, which was a created by the subdy of th were to fpeak. Moreno tells as, that a young Man of were to prease. Miserial tests us, that a going main of Conflies precending to do wonders this way, Moreton part him to the Tryal; and upon dictating to him two or three thoustand Words, forme Greek, forme Latin, forme Barbareus; all without any relation to each other, and the greatest part without any Meaning at all: the Artist immediates and without any Meaning at all: the 2018 distantion of the part distantion of the part distantion. diately, and without any hefitation, or the least flumbling

or mifplacing, repeated them all, from first to last, in the fame order wherein they had been dictated 3 and this the fame order wherein they had been didated; and the done, beginning where he ended, he repeated them all backwards, from last to first. Adding, that this was but a flight Essay of his Messay; and that he would undertake to repeat thirty-fix thealand Words in the fame mentage. The truth is, this Art feems better calculated for resident the substantial of the substantial than the subs

The truch is, this Art forms better calculated for re-taining things without any Cohercone or Dependence on ex-tensing things without any Cohercone or Dependence on the con-stance of the cohercone of the coh

deadens it to, as that the rattent that perceive no pain from the Operation.

MENANDRIANS, the most antient Branch of Gnosfies, thus call'd from Menander their Chief, a Difeiple of Smoot Magna, and himfelf a Magician. See Gnootties.

He taught, that no Perion could be faved unlefs he were

He raught, mat no Perion could be lawed uniess ne were suppised in his Name: He confert? a peculiar for of Bap-tilin, which would render those who received it immortal in the next World. St. terms represents him, as pre-tending to be, That first! Virtue hitherto unknown to the World, and to have been form by the Angels for the Salvation of all Mankind. He cook upon him, says St. Espi-Souling, Hern. 2 to be greater than his Malete; which conphania, Her. 2. to be greater than his Malter; which con-tradicts Treedurer, who makes Menander a fisherdmate Virtue to Simus Menya, the great Virtue of all. See Showlans. MENDICANTS, q. d. Begars; a Term apply'd to feveral Odets of Religious, who live on Alms, and go a begging from Door to Door. There are for a mania.

begging from Door to Door.

There are foar antient Orders which pais principally by
the Name of the Fow Mendicant: "The Cameline, Jacobiner,
Ordelers, and Angelian. See CAMMILIER, Jacobines,
ES. each under their proper Articles.
Among the Namber of Mendicants, are also ranked the
Capadini, Resolvii, Manini, and others. See Capu-

Among the Isamoer of securicams, are also sunted the Capabilin, Recolett, Ministr, and others. See Capucitins, Recollett, etc.

- The Mendicantar the time of their first Establishment, could not have any Revenues. The Multitudes of Mendi-

are now a kind of Tax on the People. MENINGES in Anatomy, the Coats, or Membranes herewith the Brain is inclosed. See Brain.

The Arabicall them Mobers; whence we also usually call them in Latin the Pia and Dura Mater. See P1A and DURA Mater.

DURA Meters of the f. Meviner, the Futeral and Internal. There are come on the first profile, is call'the Dura, or Outfa Menins or Matter. It lies immediately ander the Cormun, and correst the whole Subhace of the Brain, and the Spinal Matrow, and affects a Cost to the Tranks of the opportunity of the President of the Cormun, and control of the Merica of the Internal Matter and the Spinal Matrow, and affects a Cost to the Tranks of the on the Other Feed of the President of Newson of Fibers, and on the other fide to the Fis Mater by the Harnches of the Smale, and by the Arrests and Nevers. In confiltred Smuss, and by the Arteries and Nerves. It confills of two lefter Coast or Membranes, which fome have taken for two Dwa Maters 3 the exiction, bards and the inner, more functoh, foft, and motif. It defeends doubtle between the two Hemifpheres of the Brain, which it divides as deep as the Curpus Callofom, and by reason of its Curvature, occaas the Curput Casayam, and by reation of its Currature, occa-fion'd by the Convexity of the Brain in that part, is called Fals, from its refemblance to a Sickle. See Falx. It likewife infinustes it call between the Brain and Cerebellew, and to prevents the Brain from lying too hard on the Cre-bellow. In the Duplicatures thereof, are feveral Caviries far the reconveyance of the Blood. Of these there are four considerable ones, was the Langitudinales and Latera-Sec SINUS.

let. See Sinvis.

Under the Dava Matter, immediately upon the Brain, lies the Minitar tensit, or Pia Mater, which is a fine thin Membrane adhering to clotely, and infinanting itself into all the Folds and antiractions parts of the Brain, that it is feared to be feparated from it. This Membrane covers to the Piant Contains and Matter States.

the whole Brain, Cerebellom, and Medilla Oldongata, and ferves, together with the other, for the Defence of the Brain, and the Support of irs Veffels. Between the two, lies another fine transparent Mem-brane, call'd Arachnoides, but the best Anatomists take this or no more than the external Lawina of the Pia Mater.

See ARACHNOIDES. See Arachnoides.

MENIPPEAN, or Suyra Menippea, a kind of Satyr
composed both in Profe and Veric. See Sarva.

It is thus call'd from Menippea, a Cynic Philosopher, who
delighted in composing Servical Letters, &c. In initiation
of him, Varvo first wrote Satyrs under the Title of Satyre

Among the Moderns, there is a famous Piece under this Title, first published in 1594, against the Chiefe of the League, call dash the Cabsiens of spain. It is officer of a Master-piece for the time. See Carmouteou. MENISCUS, in Optics, a Galfa, or Lens, concave on one fide, and convex on the other; I formetimes also call'd Lamble, See, laws and Oper-Colf, meetimes also call'd

one fiels, and convex on the other; i fornetimes alto call'd Lambila. See Laws and Operate Claff.

In a Mentflow, if the Diameter of the Convexity be explained to that of the Concavity, a Ray falling parallel to the Axis, will continue parallel thereto after refraction.

Such a Mentflow therefore, will neither collect, nor different the Rays; and is therefore of no use in Dioperet the Rays; and is therefore of no use in Dioperet.

Sec REFRACTION.

To find the Focus of a Memileus, the Rule is, As the difference of the Semi-diameters of the Convexity and Concavity, is to the Semi-diameter of the Convexity; a for the Diameter of the Convexity; to the Diameter of the Focus the Diameter of the Concavity, to un unassessed to the from the Mesifest. Hence, If the Semi-diameter of the Concavity, be triple the Semi-diameter of the Concavity, the dilates of the Feous from the Mesifest will be equal to the Semi-diameter:

and therefore the Menifess will be equivalent to a Lens equally convex on either fide. See Convex. Lens.

equally convex on either noe. See CONFEX-Left.

Again; If the Semi-diameter of the Concavity be double that of the Convexity; the diffuse of the Focus will be equal to the Diameter; and therefore the Mexif-max will be equivalent to a Plano-Convex Lens. See PLANO-CORDEX

If the Semi-diameter of the Concavity be quintuple that of the Convexity, the Menifess will be equivalent to

that of the Convexity, the Menifens will be equivalent to a sphere. See observed LEMS.

The Somi-diameter therefore of the Convexity being given 1 that of the Concevity required to remove the Focus to any given diffuse from the Menifens, is eafily found. See Focus.

MENNONITES, a Sect in the United Provinces, in soft respects the same with those in other Places called Sec Anabaptist. Anabaptifts.

smalegulii. See haraarus.

They had their Klie is 19,6,6, in a Village in Friedrach their Faunder was one Menum, who underrook to reform the Religion of the antione Antaspatia, and to throw our form the state of t the Father became Man; that he brought it from Hea-ven; or that we don't know whence he had it: And that the Union of the Divine and Human Nature was so ef-fested, as that the Divine was rendered visible, and liable to Death. The Mennonines teach farther, that Christians are not

The Mammines teach territors, that Unrillians are not allowd to fourer y to exercife any Civil Magifierature, to ule the Sword, not even for the Punishment of Criminals. They add, that Minifters of the Word are not permitted to receive any Wages for their Work; that they mult not beptice little Children; and that the Souls of Mon. still Death reft in an unknown Place till the Day of Judg.

The Mennonites are faid to be divided into Sects, whereof there are two Principal. The Mennonites of Frienland, and thofe of Flanders

whofe of Hunder.
The latter execute a very first? Charch-Dicipline, and
The latter execute a very first? Charch-Dicipline, and
the latter of t

the Scripture to be the Word of God is however divided they may be as to the particular Articles of Fathaba-they may be as to the particular Articles of Fathaba-piths, yet M. Her. Sobin, who has publifled their Hilfory and Apology, ministines that they are not Anabaptifle, either in Paradigment of the Word Paradigment of the cities in Paradigment of the Word Paradigment of the cities in Paradigment of the Word Paradigment of the paradigment of the Word Paradigment of the Paradigment of the any who had received it in their Childhou. They peak with a most does of Paradenes and Referen. any who had received it in their Unidation. They I peak with a great deal of Prudence and Referre as to the extraordinary Operations of the Holy Spirit; and are far from the Panaticilin of the old Anabaptith. No People are more fubrishive to Magilitates, or carry Paffive Obedience further than they. Far from Rebellion 5 they conare more tubblinue to magnitude, or early saure Ope-dience firther than they. Far from Rebellion 5 they con-demn even the most just War, &c. MENOLOGY in the Greek Church, is much the same

with the Martyrakey, or Calendar in the Latin. See Mar-

It is divided into the feveral Mooths in the Year; and oranias an Abridgment of the Lives of the Saints, with a bare Commonoration of the Names of fuch whose Lives were never written. The Greek have various Metalogies, The Romans tax them with infecting divers Hereticks in skin Montalicia Saints. their Menologies as Saints. Baillet treats of them at large, The Word comes from the Greek par Mouth,

Matter is yet feareely attertained.

Tis generally agreed by all, that the Necessity Women are under for some extraordinary Supply to compensare the Expence, and support them during the time of Gestation, was the snal Reastine why this Redundance arother times was given them. But this is all they agree to the some not content with this Occassion alone, will have the Some not content win this vectation atone, will have the Manifrance Blodo offend in Quality more than in Quarity 5 which they argue from the Pain it gives many Women in the Evacuation. They add, that its Malignity is fo great, that it exceptates the Parts of Man by more contact; that the Breath of a sexplinass Woman will give a programmer Spain to layer or a Lowing Collection. salt i that the Break of a supplement Women with the supplement of the Blood dropd on any Vegetable, blaft, or request is their just if a preguant women be defined as the supplement of their just if a preguant women be desired in their just if a Dog antie them. It is also all protes produced the supplement of the sup

of the fame Age and Tomperament, would have found it at the fame Periods and Revolutions of the Moon, i. e.] at the fame time; which all Experience shows to be falls

the fame time 3 which all Experience flavour to be falle.

There are two other Opinious which carry with them a great deal of Probability, and are argued with a great great of a state of the state of

only for Actier against the Quantity.

Dr. Friend, who has maintain'd the Caufe of a Plethura with the greatest Strength and Clearness, supposes that this Plethura arises from a Coacervation in the Blood-Vessels. this ricessed lives from a concernation in the Diode-Viction of a fuperflating of Aliment, which he thinks remains over and above what is expended by the ordinary ways; and that Women have this Pletheya, and nor Men, because their Bodies are more humid, and their Ventlet, effectively a five the property of the proper the Extremities of them, more tender, and their manner of living generally more unactive than that of Man; and that thefe things concurring, are the occasion that Women done living generally more unsettive than that of Mars 3 and trast thefe things concurring, are the occasion that Women donot purplier fufficiently to carry off the Superflows allmentary Parts, ill it be accumulated in fact quantity at so difficed the Vettls, and force in way they the Capillary Arteries of the Capillary Arteries and the Capillary Arteries and the Found of the Capillary Arteries and the Capillary Arteries Parts, because of the creek propose to Women and Parts because of the creek propose to the former and Arteries and other Parts. Parts, occasion of the effect rottene or the former; and the Vagina, and other Canals, being perpendicular to the Horizon; fo that the Preffure of the Blood is directed reduced by the transfer of the pioon is objected towards their Orifices: Whereas in Brutes, they are parallel to the Horizon, and the Preffure wholly on the Sides of those Veffels. The Discharge, he thinks, hap-Sides of those vences. Inc intenarge, he tomes, nap-pen in this Part rather than in any other, as being more favoured by the Sructure of the Veffels; the Arteries being very numerous, and the Veins finuous and winding, being very numerous, and the verns inhouse and tentions and therefore more apt to retard the Imperior of the Blood, and confequently, in a Pletberic Cafe, to occasion the Rupture of the Extremities of the Veffels, which may latt. till by a fufficient discharge the Vessels are cased of their

This is the Substance of that great Man's Theory, from whence he very Mechanically, and very Philosophically accounts for the Symptoms

To his Argument, why Women have Menfes rather than Men, we may add from Beerbasee, that in the former, the Os Sarraw is wider, and flands farther out, and the Os Carrygis farther in; the Offs Innaminate wider, and further apart, and the loweft of them, as well as the lower Eminences of the \*Or \*Pair\* further outwards than in the latter. Hence in Women, the Latitude or Expansion a-bour thefe Bones, and the Capacity of the \*Printing\* to work to be the state of the \*Order of the \*Printing\* to work to not pregnant, but the feet of the \*S and yet in a Woman out pregnant, the fore-field of the Third work to the \*Order of the \*Order o Again, the fore-field of the Towest to mit this Expande.

Again, the fore-field of the Towest to Monther in Women and the Blood Verifiel on the Blood Verifiel of the sand across Verifiels, Membranes and Fibres, are much laker in Women them in Men: whence all their Cavities, Cells, Verifiel, yf's, are more enfly repleted, and the Humanus engregoried in them joilitels that, rhy are thought the sand the sand the sand the sand the sand the sand the the sand Arteries it is fill of which. Man 12 is 1.

Hence, a healthy Maid, being arrived at her Growth, Hence, a healthy Maid, being surived as the Growth, begins are prepare more Nariments that is requised for the flory which, as there is not to be any effective of the Body which, as there is not to be any effectively beds of the Ureas, and Beralts, as being the least competition. These will be diluted more than the least competition. These will be diluted more than the more insuch Cavity of the Ureas, tenturing that the contract of the Ureas, and Beralts, as being the state of the Ureas, and the state of the Ureas and the London, below. One the Verlag of the Ureas, is Month will be left settled in the Ureas and the Cavity of the Ureas, its Month will be labelested and londered, and Blood tile our. As the Quantity of Blood influentiables, the Velfac will be 16th prefix, and will also the Ureas and let put it for good to the Ureas and let put it for good to prove the Ureas and the prefix of the Grown is all all engles, which is the Ureas and the put is the good to prove the Ureas and the put the top offer prefor the Grown ill all engles, but ill a length, out? contract memnicary cloter, to as again to retain the Blood, and let país the groffer part of the Series yill arl engith, only the whal Series paffer. Again, there are more Hannours perpar'd, which are more eafily lodged in Veffels once dilated 5 hence the Menfer go, and return at various Performance Description.

riods in various Perfons.

chilaté) a neces no Awayu go, non reuran at vatione a cultural de l'Archive de l'Ar carriy jurged rine way, the cypripone, the very versuitseries are granted Accumulation recedingly requires. If we conitive what violent Symptoms come on in an Hour, we
office what violent Symptoms come on in an Hour, we
office what violent Symptoms come on in an Hour, we
office what violent Symptoms come on in an Hour, we
find the committee of the committee of the committee of the committee of
facts great Alterations. According to the Hypothetis, the
last continued to the committee of the committee of
the last continued to the committee of the
the committee of the committee of
the last committee of the committee of
the Hour the committee of the committee of
the Hour the Committee o

line on the Women which produce this Flux, and alkSch that part only, or a stell principally. Dr. Groy, Jels part of the produce of the Blood raifed by fome fermion, without affiguing how it acts, or what it is. The finded Traggerience of the Blood, and I from formeling the produce of the Blood of the produce of the Blood of the Practice of the Blood, and I from formeling the produce of the Blood, and I from formeling the produce of the Blood, and I from formeling the produce of the Blood, and I from formeling the produce of the Blood, and I from formeling the produce of the Blood, and I from formeling the produce of the Blood, and I from the Blood, and I formeling the Blood of the Blood of

Motion at that time. Dr. Drake improves on the Doctrine of a Ferment 5 and Dr. Drake improves on the Doctrine or a rememb, and contends not only that it is necessary there should be a Ferment, but a Receptacle sails for this Ferment: Con-cluding from the Suddenness and Violence of the Symp-toms, that a great quantity must be convey'd into the Bilood

NE N
is a finitione, and confequently, that it must have been
ready gather'd in found Recappedle, where, while it was
held, in a follow we refinite, the late poor farsher fails
off, in a follow we refinition. He have poor farsher fails
and the other, making the Gall-Rhader to it is to one
and the other, making the Gall-Rhader to it is to one
and the other, making the Gall-Rhader to it is to one
and the other, making the Gall-Rhader to it is to
great to the control of the control
and the other making the Gall-Rhader to it is a
full in a Receptor that does not action of a consistent
of it makes to be a followed to the control
and in a Receptor that does not action of a consistent
of Time, the Bladder becoming useful and fail the red
of Time, the Bladder becoming useful and fail the red
of Time, the Bladder becoming useful and fail making
infell into the Blood, may raid that Effects of the concertification, have the Moyle of the received of a billyour
more respectively than others and that Dillingers makes
the state of the state of the control of the conone respectively that the third of the Blood of the State
of the control of the control of the conserved property of the United State
of the control of the Control
of the control of the Control
of the control of the Control
of the Control
of the control of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control

of the Block, which a six "Validic of all the object for money; and, occlouding, greater part of each is did, charged they them than in Women; wherein the Super-hairy med either committee or civalties with the Block, on the Block. The fine Readin he gives sky Mediffensies flowed are the Black as the Carlo of Women, as appears from featly more open than those of Women, as appears from the Block of the Block of Women, as appears from whereof, a large Cavity, and a wider Appearance (Glinds necessary, than where no fact hishig is produced. Not Yest there is some difference between the fullest and Frontier, the women of the Block of the Women, and the Superham of the Women, and the Superham of the Superham and Quantity, as the Superham of the S Women

Women.

He adds, that the feveral Phenomena of the Menfer, whether in a natural, a regular, or difeated Cafe, flow naturally and readily from this Hypothesis; and that whatever may be accounted for from a Pleture, or from any particular Ferment, may, without any firaining, be availed to the control of the property of

apply'd to this.

The Root of black Heliclore and Steel, are the principal "The Reco of black Relative and Steel, are the principal Remedies for Chimicilians of the Body's; the feature, it almost installable, and in many Cafes where the latter is of the state of the state of the state of the state of the feature of the state of the state of the state of the conventions, and a kind of Ukran; fown; whereas whiteast making it more impresses. So that the chap provide the Rody's, yet they do, it by different ways a greater Momers against the Ukrein; a traverties is all Elliche beet by driding it, and rendering it more fluid. See Hard MENNIS GRANT CAN SEE WAS THE SEE OF THE SEE MENNIS CONTROLLED TO THE SEE OF THE SEE OF THE SEE MENNIS CONTROLLED TO THE SEE OF THE SEE OF THE SEE MENNIS CONTROLLED TO THE SEE OF THE SEE OF THE SEE OF THE SEE MENNIS CONTROLLED TO THE SEE OF THE SEE OF THE SEE OF THE SEE MENNIS CONTROLLED TO THE SEE OF THE SEE OF THE SEE OF THE SEE OF THE SEE THE SEE OF THE SEE

MENSIS CHYMICUS Scc Month.
MENSIS VETITUS MENSIS

MENSTRUAL, or MENSTRUOUS, a Term in Medicine,

applied to the Blood which flows from Women in their ordinary monthly Pargations. See Manner. The Menfrand Blood is the excellent or redundance of the Blood in the Body. It may be defined an Excrement ferring for the Generation, as well as Nationard the Festarin the Women and which he asked.

for the Generation, as well as Nauritaure of the Farsin Inc.
Womb, and which at other times is eventured MonthlyOf all Animals, there is none befines Women,
and terbaps Apec, which have taken Menfand Paragraand tran the Earth like Vineage. "Fine Monthly Menfand Paragraand tran the Earth like Vineage. "Fine Monthly Menfand Paragraded, that is harms Herbe, kille Plana, straighte Lockings
Glaffer, and that Dogs which taffe it, run mad. But this
is all hisbours i their operation that the Elodi the firm is
int Ilberian in their operation that the Elodi the firm is
a Woman in the Venan and Arrecte. By the "Spein Law,
a Woman and the Man Menfand Paragraph Paragraph Paragraph
which was the Menfand Paragraph Paragraph
which was the Menfand Paragraph Paragraph
which was the Menfand Paragra and the Man who touched her, or the Moveables she had touched, were declared unclean. Levis, Chap. XV.

method, were declared medican. Lenis, Chip, NY,
MENSTRUM, op Disantrawn, in Chymiltry, and
Loquer that will difficien, i.e., fippears the Fars of hard
Than 4 fan Regnis in a Meditione of Gold 1-4 pair farm,
and Spirit of Niere, for most other Metals; Common Water of the Chymin of the Chymin of the Chymin of the Chymin
In Parmary, it is chirtly cheened a Goldy that will extend the Varias of Ingrediens by Intiadon, Decedion
The Term Menjoran take it is fifted on this, that four
Chymilin preced the complete Diffibulies of a mixed
were all a Fidelity-foot Mentals.

they call a Philosophical Month.

Men-

MEN

Menstream is properly defined a Body, which being applied to, or intermixed with another, does to diffolve it, as that all the diffolving Parts float among the Parts diffulved; and fo divides it into its minutest Parts, as isover), and to orbited in the fit manuscip Part, as that the Eart of the Diffetivent are intermixed with whole of the Eart of the Diffetivent are intermixed with whole of the Eart of th therewith. See DISSOLUTION.

therewith. See Dissolution.

The antient Chymids were very eareful in all their Procedles, that arither the Degree of Fire, nor the Menfrass, might decire 'em.

All Menjirmans, at the time they act as fuch, that is, at the time they are difficilying, and as Liquid or a Solid. Thus, e.g. Silving the Menjirmans be a Liquid or a Solid. Thus, e.g. Silving the Menjirmans of ver is a Menfrance with regard to Gold; for if you take an Ounce of Silver, melt it at the Fire, and add a Grain of Gold; all the Parts of the Silver will intermix themfelves with the Parts of the Gold : fo, as that the Gold and Silver, which before were feparate, now make one Mass. But Gold and Silver are only Menfirsoms as they Mais. But Gold and onver are only magnesses are diffolved by the Fire; i.e. as they are fluid.

All Menfirmans may be divided into two Claffes; the first conflits of such as are fluid; the second of such as are

folid: that is, they are either actually divided, or they John : that is, they are enter actually divinces, or usey must be for eer they act.

Fluid Menfirmums are Water, Dew, Oils, Saline and Acid Spirits, Alkali, Salis, &c. and Solid Menfirmums, are fuch as must be made fluid e'er they will diffolyo 5 fach are most Sales, Notre, Vitriol, &c. See WATER, SALY,

VITRIOL, &c. An abe Johnst / Menjirmus; Steffan Neems recount for its from the Acid wherein they are impregnanted. The Traville of Acid was found to be calculated with a many control of the Acid was found to be acided with and by virus where they difficilty Bodies. See Ary as a cream of the Acid was the uppeden of a middle Naborth. By this Aradica her gastler respected about the British of Bodies, whether mentiled, steay, or the British of Bodies, whether mentiled, steady or the British of Bodies, which was a substitution. The British of Bodies, which was a substitution of the British of Bodies, i.e. they distillate then is and by the standfile Peace of the Particles to the degree, as convert can income An, and for generating Bodbies. See Acid. On the Acid and A As to the Allion of Mensironnes; Sir Isaac Newson accounts

of Menfrance, in the following Propositions. r. Two Corpufeles may be placed fo near each other, without roaching, as that the Force wherewith they attract each other, shall easily exceed that of their Gra-

raft each other, Batti etuny cassess unity for every vay e-pailly in a Carputelparden in a Dialo be every vay e-qually stated by the ambien Particles, the Carputel will not be pair as any Motics, but if it be attracted more by foune of the Particles than by others, it will then the and insuring that Capsters where the Artraftlion is the freegers and the Medican than produced will be cor-ifered to the control of the control of the cor-terior of the control of the control of the cor-terior of the control of the control of the cor-terior of the control of the control of the cor-terior of the control of the corterior of the corterior of the interval of the corterior of the c

. Corpuscles swimming in a Fluid, and attracting 5°. Corpactics (wimming in a Fluid, and attracting cach other more than the interpofed Particles of the Fluid; those Particles of the Fluid will be driven affer, and the Corpucties approach each other with a Furce equal to the Excels of their mutual Attraction, beyond the Attraction of the Particles of the Paul.

4°. Its Body be placed in a Fluid whose Parts attract the Particles of the Fluid more strongly than those Par-ticles are attracted by one another; and if in the Body there be several Pores pervious to the Particles of those Flaid, the Flaid will presently diffuse itself through the Pores; and if the Connection of the Parts in that Body be not fo flrong but that it may be exceeded by the Im-perus of the Particles ruffing together; the immers'd Bo-dy will undergo a Diffelation.

Hence, for a Mension to be fit to diffolio a given Body, there are three things required. (f), That the Paris of the Body attract the Particles of the Mensions Paris of the Body attract the Particles of the Menjirmum timer efficiency than thofe are attracted by each other.

2dly, That the Body have Pores adequate and pervious to the Particles of the Menjirmum, 2dly, That the Cohefion of the Paris of the Body be not fo fitning but that it may be torn afunder by the Impeus of the Paris less railing together. Hence also it follows, that the Paris ticles which conflicte Spirit of Wine, are more flrongly attracted by each other, than by those of a faline Body immerged in it

Hence we fee the Reasons of the different Effects of

of different Menfersmus; why forme Bodies, for inflance Mentals, diffore in a falling Menginsum. Coheren again, the Refin, in a follow form of the Mentals, diffore in a falling Menginsum. Coheren again, diffore in Apar Ferni, and Gold coh; in Apar Mengin; a till the Varieties whereof are accountable for, from the different Degrees of Cohefon, i.e. of Attraction in the Paris of the Body to be diffored, the different Diameters. and F gares of its Pores, the different Degrees of Attrac-tion in the Manstrusm, and the different Diameters and Figures of its Parts. See Christon.

Figures of its Parts. Sec Contraston. Suppole, e., et h. Attraction of Gold to that of Silver, to be as A to B is and of Silver to Anna fertin as b to dy but that of Anna fertin to Anna Regia, as d to c.; let f fignify the Magnitude of Particles in Anna fertin, and r thofo in Anna Regus ; eth Cohefion of Gold, and e the Cohefion of Silver: If the Diameters of the Particles far greater than the Diameters of the Peres of Gold, they can never diffolye the Gold, let their attractive Force ! ever so strong. But if hear be greater than g, then the Silver will yield to the Manfirman whose Particles are f, and less than the Pores of the Silver; and if beer be cis than g, the Silver will never diffelve in the Menfiranm, the Parricles whereof are r, and the attractive Force e. But if a-exr be greater than e, the Menfirsum made up of the Particles r, and whose attractive Force is e, will be able to penetrate and diffolve the Gold.

How a Menstrane may suspend Bodies much heavier than itself, which very often happens, may be conceived by confidering, that the Parts of no Fluid can be so easily by considering, teat the rares or no retaid tan or recardy te feparated, but they will a little refift, or retard the Defect of any heavy Bodies through them; and that this Refillance is, osteriy pariles, full proportionable to the Sarface of the defeending Bodies But the Surfaces of December 1981. Surtice of the defecteding Bodies! But the Surfices of Bodies do by no mean interacts, of exceeding, in the fame Bodies do by no mean interacts, of exceeding, the fame of the Distructive. Small Bodies, therefore, will have march large Surfices, in properties to their folial Conceedings of the Distructive. Small Bodies, therefore, will have march large Surfices, in proportion to their folial Conceedings of the Surfices. Small Bodies, the body of the Litypee. See Discrease, Raisranacca, Go. Particular Conceedings of the Mindfeld, may edify be burged up in the Litypee. See Discrease, Raisranacca, Go. Particular Conceedings of the Mindfeld, and the Conceedings of the Mindfeld of the Conceedings of the Mindfeld of the Conceedings of the Mindfeld of the Mindfeld

MENSURATION, the Act or Art of Measuring. See MEASURING.

MEASURING.

MENTAL, is underflood of the Conception, or Operation of the Underflanding: Thus a Mental Frayer is fuch a one as is made merely in the Mind, without pronch a one as is made merely in the Mind, without pro-ouncing one word of it. A Mental Referencion, &c. See

RESERVATION.

MENTUM, in Anatomy, is the lower Part of the Face, beneath the Mouth 5 which we otherwise diffinguish by the Name of Chin.

A third of Dance, the Steps

guilh by the Name of Chon.

MENUET, or MINUEY, a kind of Dance, the Steps
whereof are extremely quick, and short: It confilts of a
Coupee, a shigh Step, and a Balance, it begins with a
Beat, and its Measure, or Motion, it Triple
MEPHITES, and MEPHITES and MEPHITES and of the Measure
foodure and noxious Steams issuing on of the Eartin, from

focus and nextons steams itting out of the Latth, from what Caufe feaver. See Porson.

The most remarkable Places of this kind is the Grotta de Cami near Prescali, about two Miles from Noples, in Italy; the Steams of which kill Dogs, or other Animals, when brought within its reach: A very curious Account of which, and the manner of its Effeacy, is given by Dr. Mand in his Effay on Poifons. See Grovro.

MERCERS Company. See Contant.
MERCERS-Chepel School. See School.
MERCHANDISE, or, MERCANTILE Profesion, th

MRKGITANDIRE, on Mancasvitta. Profifer, the Prudine of a Mechani or the Art, Mellowi, Ge. 6 Prudine of a Mechani or the Art, Mellowi, Ge. 6 Prudine of a Mechani or the Art, Mellowi, Ge. 6 Prudine of a Mechani or the Art of the Art

β, they don't lofe it, but only ceafe to enjoy the Privileges of their Nobletfie white their Commerce continues, and realizment; by giving over Track, without any Letters or Infirmment of Re-Habilitation. In Republication titill more valued: their to where more than is England, where they tounger Sons and Brothers of Peers are frequently bred pro Merchaodist. Add to this, that many dentity bred privileges are the proposed to the continues of the proposed to the proposed quently bred up to Merchandize. Add to this, that many or the Halibas Frinces are the principal Merchants of their States 3 and think it no differed to make their Palaces ferre as Warehoufers. And that many of the Kings of Jin, most of those of the Castl of Africa and Gamer, and the halibas of the Castle of Africa and Gamer, traffick with the Europeans, fometimes by their Mini-

fices, and fometimes in Perfon sites, and tometimes to Person
The Qualifications requisite for the Profession of a
Merchant, are, 1. To keep Books, fingle or double, viz.
Journals, Ledgers, and others. a. To draw Invoices,
Contracts, Charter Paries, Policies of Affarance, Bills of
Eschange, Lettern Miffer, &F. 9. To know the Relation between the Monies, Weights, and Measures of fewest Committee. The Present Exenange, Letters sintee, Weights, and Measures of fe-tion between the Monies, Weights, and Measures of fe-veral Countries. 4. The Places where the feveral Kinds of Merchandizes are manufactured, in what manner made, of Merchandizes are maoutactured, in what miscont made, what the Masterials composed of, and whence is the Preparation the Masterials require before they are wrought; and the Microhandizes afterwards. 4. The Lengths and Breadths of Stuffs, as Silks, Wools, Haits, Linens, Gr., the Regulations of the Place where they are manufactured, and their different Prices at different Sections. 5. The Dying, and the Ingredients for the Formation of the different Colours. 6. The Merchandizes that abound, or are more rare in one Country than another; their Kinds are more zere, in use Country than ausbers; beller Knall and Qualities; a sold enumers of Preliating them to the bell advantage, whether by Land, by Son, or Rivers, to the beller advantage, whether by Land, by Son, or Rivers, the largest and Export of Same. S. The Prece of Exchange seconding to the Courle of feweral Places, and what it is that ratio of lowers in .9. The Delice to be paid both as the important Export of Warra, according to the Courle of Service Delice to the paid both as the important Export of Warra, according to the course of Preliating, and Planting Mortandeze, to the present the control of the Courle of Courle of the Courle of Courle of Courle of Courle of the Courle of requiries for the Construction or Refitting of Vetflet, the Prece of Woods, Cordage, Minit, Anchore, Sails, and other Equipage. 15, The Wages ordinarily given Cap-turing with them. 14. The foreign Languager, which may be reduced to three principal enes, we, the Spandy, and a lamost through all the Euly, particularly on the Confl of offices, from the Canasies to the Cape of Good Hipe's the analysis of the Cape of the Cape of the Cape of the Cape of any and the Cape of the Cape of the Cape of the Cape of Cape of the Cape of Cape and many Places of the Lewist; and the Tratonic or Ge-man, ufed throughout most Countries of the North. Laftly man, uted throughout moit Countries of the North. Latity, the Confular Jurifprudence, the Laws, Cufforms, Companies, Colonics, Chambers of Affurances, Coofultes in the feveral Countries; and in the general, all the Ordonances, Regulations, and Policies, relating to Commerce. MERCHANT, a Person who carries on Merchandeze, or suffains the Mercantile Profession, See Merchan-

MERCHANT-Man. SeeShip, Vesser, Captain, &c. Merchant-Taylors Company See School.

MERCATUR'S Chart, or Proceedings a Sea Chart, where MEMATUR'S Long or Projection, is a Sea Chart, where-in the Barallels are repreferred by thruit Lines, and the Meridians, likewife, by parallel flrait Lines, whose De-grees, however, are not equal, but are continually en-larged as they approach nearer the Pole, in the farme Pro-portion as the parallel Circles decrease towards them. See PROJECTION.

For the Construction, Use, Advantages, &c. hereof, see Mercator's Cr.ART.

Mercator's U.J.ART.
MERGATOR's Sailing, is that performed by means of
Mercator's Charts. See Mercator's SALEING.
MERCURY, V., in Aftronomy, the smallest of the inferior Planets, and the nearest the San. See PLANET and System.

The real Dilucce of this Planet from the Soni is that of our Earth from the Soni 187 to 1900; in Executive 5 Degrees. The Incination of its Unite, that is, the health of the Chipic, that is, the health of the Chipic, the Degrees 5; Minester 18 Dismerter to that of the Ediptic, is of Degrees 5; Minester 18 Dismerter to that of the Ediptic, is of Degrees 5; Minester 18 Dismerter to that of the Earth us 1 to 4 and therefore the Globe of Yaza-Crvy, the Carta-Truy, Disarvaries, Disarvaries, Dec. According to Sir Planette, Sir Degrees, Disarvaries, Edwardson, Degrees, Degrees, and the Saultee of our Earth is the maddle of Saumers, which, as he found by Experiments made for that parawhich, and the Carta-Truy, Degrees of the Degree of the Degree of the Carta-Truy, Degrees of the Degree of the Degr The mean Distance of this Planet from the Sun is to that Such a degree of Heat therefore must render Mercury uninhabitable to Creatures of our Conflication: inhabitable to Creatures of our Conflitution: And if Bodies on its Surface be not inflamed and fet on fire, it must be became their Degree of Density is proportionably greater than that of such Bodies with us. See Hear.

generate than that of fuch Bodds with all Sections of the The Revolution of Herway roads the Sun, or his Year is preferred in \$5 Days; 33 Hoors; his climal Revolution of the Section of t

See Moon.

See Moon.
It appears full, in its superior Conjunctions with the Sun, because we can see the whole illumined Hemisphere: But in its lower Conjunction, we only see the obscure, or aniillumined Hemisphere: In his Apprendix toward the Sun, his Light is falcated or horned. See

The Situation of this Planet proves evidently, that the Hypothesis of Ptolemy is false: For Mercary is some-times observed betwire the Earth and Sun; and sometimes objected netwart the Earth and Sun; and fome-times beyond the Sun. But the Earth is never found be-tween Memory and the Sun; which however mult happen, if the Spheres of all the Planess incompafyd the Earth, as a Centre, according to the Fielewaie Scheme. See

Prolemate System.
The Diameter of the Sun view'd from Mercary, would appear three times as big as it appears on our Earth ; that Placet being thrice as near him as we are ; and therefore the Sun's Disk would appear feven times as large as

it appears to us. Its greated Dilance from the San, with regard to us, never exceeds as Degrees, whence its feldom visible a being commonly intelled toll in the San Light, or, when the most remote from the San, in the Crespiculum. The best Olderwardson't this Plance, are thost made when its feet on the Sant Dilk; for in its lower Conjunction, it feet on the Sant Dilk; for in its lower Conjunction, it port of his Body, the a limit begon, reciping a family port of his Body, and the sant the sant of Edelerge. The birt! Observation of this Link, was then of Golffield in 14\*\*. See Tax March Conference of the Sant Conference of 14\*\*. See Tax March Conference of the Sant Conference of 14\*\*. See Tax March Conference of 14\*\*. See Tax Ma appears to us.

Brit Observation or this kind, was that of togeneen to 1523. See Than North Yorkers, the folds Spotts will ap-pear and thisbitum of Kontentums in a right of the state of the state of the state of the state of the fact to Wed, and domentimes Ellipscally. As the other five Fiscens are above Mereny, their Phenomens will be carried to the state of the state of the state of the five Fiscens are above Mereny, their Phenomens will be carried to the state of the state of the state of the carried and the state of the state of the state of the Mancara. In Natural Hillory, fluids, mineral Matter,

MERCURY, in Natural Hiftory, a fluid, mineral Matter, perfectly refembling Silver in fation. See MINERAL. perfectly refembling Silver to Infino. See MINERAL.
Mercary is known ander a great number of Names.
The common Name among the Antients was Hydrogynou,
a, d. Water of Silver. The Moderns commonly cell is
Mercary, from fome (upposed Relation it bears to the Plameter of this Name. In Employ is is popularly cell if
Silver, from its Appearance. Many of the Chymiftis cell it Silver, from its Appearance. Many of the Chymifts call it Protest, from the variety of Forms, Colours, &c. it paffes thro' in their Preparations.

Naturalists are divided what Class of Fusfils to range Mercary under: Some make it a Metal; others a Semi-metal; and others an imperfed Metal. See Fossiz and SEMI-METAL.

Berbaroe observes, that it is very improperly call'd a Metal, inasmuch as it has not all the Characters of such a Body; nor fearce any thing in common with the other Metals, except Weight and Similarity of Parts: Thus,

Steeple, seecher Westigk enung an Austranous wan the same for Example, it is meinter distilicated by Fire, multicable, our fick? In effect?, it ferms to confinite a peculiar Mentals, the same for the

Caufes of the fluidity of Mercary.

The Chymitis make Mercary one of their Hypotlatical

Principles: Not, as M. Homberg observes, that it answers

the Character of a Principle, which is that whole Sub-her Character of a Principle, which is that whole Sub-lement of the Character of the Character more family is used to be a company of the Character of the family is the principle of the Character of the Charac-lary of the Character of the Character of the Charac-ter of the Character of the Character of the Charac-ter of the Character of the Character of the Charac-ter of the Character of the Character of the Charac-ter of the Character of the Character of the Charac-ter of the Character of the Character of the Charac-er of the Character of the Character of the Charac-er of the Character of the Character of the Charac-er of the Character of the Character of the Character of the sub-character of the Character of the Character of the Charac-er of the Character of the Character of the Character of the Character of the sub-character of the Character o earthy Duft.

cardy Dell. The Properties of Meacure.

The Charlette, or Properties of Meacure, see, 1. Thet of all Bollette, or Properties of Meacure, see, 1. Thet of all Bollette or the Section of all Bollette or the Section of all Bollette or the Section of all the Section of the Section

The a Character of Mercary, as to neof all because the most bind 3 that is, is Parasfeparate, and recede from each other by the finalled! Force. Confequently, of all Bodies it is that whose paras cohere the least, or are the least tenserious; and therefore of all others the least ducklik and mallicable. and therefore of all others the least duchile and malleable. The parts of Water do not divide for readily as those Quick-Silver; and the parts of Oil much lefs: There is a certain Tenacity even in the parts of Spirit of Wine which refitls feparation; but there is fearer any Cohesion at all in

reciti feparation's heat acces a term or open on a man small reparation and the parate of Mercany. See Figurity will Find not all the parate of Mercany. See Figurity will Find not all the parate of Mercany. See Figurity will Find not all the parate of th

before. See Divisibility.

The 4th Charteler is to be extremely Volatile, being convertible into Funo, even by a Sand-hear. In effect, or the property of the

The Gilders are but too well acquainted with the Va-pours of Morency, which frequently render 'em Epileptic, and Paralytic, and fometimes falivate them; being of fo penetrating a Nature, as to take away feirrhous Tu-mours, tho very apt to reach and defiroy the nobler

The 5th Property is, that it easily enters, and inti-mately adheres to Gold, lefs easily to the other Metals, with difficulty to Copper, and not at all to Iron. See AMALGAMATION.

Indeed we have heard much among the Adepts about laded we have heard much tunong the Adopte about making an Amalgama with Moreay and Iron, but the Experiment would never faceced with that Noble Chymuth, Eric Sarbenter. "In puffills there may be forme way of binding thich two Bedies together; and no doubt an Amalgama might be made, if a large Quantity of Gold were added to the Iron. But then, if the Committee of the Committee ways make choice of Iron Infiraments for that purpose. ways make choice of tron-Inframents for that purpose, we have known Wennen, in a Shiration, to have their Ear-Rings grow white and foft with the Riffuris of the Moreory and heace the Oliders, to lay Gold on any other Body, diffure it in host Moreoy, which doce, they are the contract of the contract of the contract of the graphy, the contract of the Bica saws, and Lewren the Gold alberting like a Conflict on the contract of the flies away, and reasons of the condition of the a Crust to me Silver. Lastly, rabbing the Crust with Lapis Homanics, the Silver is gilt. See GYLDING. The 6th Character is, That of all Fluids, it is the colden,

The chi Claracter in That of all Flaids, in this collect, and the hotter it rappening the Circumstance the fame. Benchmer these, that Fire is equally diffined through Bodden and the their is reality the fame degree and the control of the control

paribs: as their Weights. Now, Mercury being 14 time; beavier than Water; if both of them be exposed in a Winter's Night to the same Gold, the Mercury mat be so much colder than Water, as it is heavier. So, also, if they be both apply'd to the same degree of Heat, while

It is prepared with Oil of Vinial, into Twolet Minieral y with Spire 163 pillappin, non Canadra V with Apprentin, or Spiret of See Salit or Sal genes, into corrobor Salitimete.

Spiret of See Salit or Sal genes, into corrobor Salitimete.
Only Vinegar too and dilabet as predict of Druggellin, See, who much as practice of Spiritimeter White Salitimeter with a Method of derectling the Frauds of Druggellin, See, who much as practice of Spiritimeters, Outside Meteory, with Vinegar betterin if the Vineal Population Meteory, with Vinegar theories if the Vineal Population of the Salitimeter of the Salit Vinegar will both remain as before

Vinegar will both remain as before.

The 8th Property is, that it is the most Simple of all Bodies, next after Gold: Accordingly, we find it the fame in all its parts, fo far as our Obtervation goes. If a fingle Grain of the exact be distilved in Spirit of Nitre, a proportionable part of the Grain will be distinguished to the contract of the contra into every minute Particle thereof; and by diluting the nto every minate Particle thereof 3 and by diluting the whole with an Dance of Joyas Syrig, in two loc Grain of Moreary will be revired. Had we he Moreary of the Philosophera called all Prisal Moreary, Moreary of Meet, &c. fo much talked of 5 it is affected it would be fill vailly for the prisal of the prisal prisal

The 9th Property of Mercary is, not to be The ph froperty of Morsoy is, not to be in any mention about, for it has no Actinomy in he Tlate, nor close at least of the size of the si

In effect, all its medicinal Operations are to be accounted for from the Properties already enumerated

In effect, all in medicinal Operations are no be accom-ted for from the Properties already commerciate.

The Chief College of Mine canar.

The Chief Operation of Mine canar.

In ready Glebes or Clost, cell of Gamedor.

Ja had flow Glebes, or a mine call Sublime of a part of the canar.

Ja had flow Glebes, or a mine call Sublime of a part of the Chief Operation of Mine canar.

Ja had flow Glebes, or a mine call Sublime of a part of the Chief Operation of the Chief Method of precuring or Separating MERCURY from the

They firft grind the mineral Gelbe into Powder 3 this does, they pear a great Quantity of Water upon in filtering and working the whole brinkly boar till the Water becomes executing thick, and turbid. This Water having flood till it be fartfaled, they pear it off, and fupply. The pear of the p

eallise Marter.

To this Mercory, Sc. they add the Servia of Iron, pating the whole in large Iron Recents, and So distilling it a
young the whole in large Iron Recents, and So distilling it is
you which ment all the heterogeneous, meetilk and fiven
yells of the part of the service of the service of the service
Anto the Moreon in Gassalor, they don't find it work
while to distill, and get it out y Gensher felling for a better
The miferable People Coc Chrassalor Mart de works, the
those More, all the ina listel time. They are first utilized
the think Turnows, and wowcould no Glissare it she piche Treets.

with Tremors, and proceed to falivate; then their Teeth

and thus die.

and thus the.

In Spaira, the melting or exhalation of the Mineral is performed with more Care, and with an Engine contrived for that purpole. As to the earthy Matter wherewith the Moreany is mixed, that of Spaira is red, and freekled with black and white 5 and for hard, that 'tes not to be broken to the more than the form of th up with Gun-powder. In Hungary 'tis frequently a hard Stone, but ordinarily a reddiffh Earth. In Fruit there is a foft Earth where the Virgin Quick-Silver is found, and a for Earth where the Virgio Quick-Silver is found, and a hard Store which yields the common Mercery. The Mine of Edec, one of those belonging to Frail, it for rich, that it yields a ways add Quick-Silver, formations two thirds. The Most of Flora Caledons, or Guare Caledon Free, it still one condisionable, the Earth is of a whistle red, like Birkels hell burns: it inful broke, then expedid not be Fire, by floragaing in on a Lay of common Earth, where which is the private property of common Earth, where which is light at like Fire Earth is considerable, the Proceedings of the Caledon Fire Caledon wherewish the Grue of an Earthea-Fannace is coverally assuled which is gloride a little Erre of an Rech 2xill by Works, that the cutting it is probleted for the Free of a Leaguest road. In properties as the Mineral learn, the Newcoy fifter volatile distribution in Sunday and the Newcoy fifter volatile distribution in Sunday as which Sunday for the Newcoy fifter volatile distribution in Sunday as the Newcoy fifter volatile distribution in Sunday and the Newcoy fifter volatile distribution in Sunday (See Sunday 1). The Newcoy at make for the purpole, communicating with leveral Earthean Countries fraud within one annelmen. The Water at the bottom of each stelly lated, despote the "I stell end for the purpole, communicating with leveral Earthean Countries fraud within one annelmen. The Water at the bottom of each first his expectation, and is taken up, when the Operation is over. In this Precede, here are drawn things constable. The manner, the more they are fill with Quick-Sibre. The forcast, "The stell they all preceded by the three white and break, were they not frainfaled from time to time with payly if the the Pregration of Mercary, never hald it long, but become paralytic, and dischedite. A Precaution they used, in to holds preceded on the stellar three proposed with two with mild at Sacret time was for impropanced with two with mild at Sacret time was for impropanced with two with high at Sacret time was for impropanced with two with high at Sacret time was for impropanced with two with high at Sacret time was for impropanced with two with high at Sacret time was for impropanced with two transitions in the Sacret time was for impropanced with two with high Sacret time was for impropanced with two with high Sacret time was for impropanced with two with high Sacret time was for impropanced with two with high Sacret time was for impropanced with two with high Sacret time was for impropanced with two with high Sacret time was for impropanced with two with the Sacret time was for impropanced with two the sacret a

diffolved 3 or by patting, and repatting it frequently over a Chances Skin. Am. Parens tells us, that the best way is to make a Dog fwallow a Pound at a time, and afterwards

feparate it from the Excrements, and wash it in The Uses of Mercury are very confiderable in Gilding, making Looking-Glaffes, in refining Gold, &c. See each under its head, Gilding, Refining, Mir-

See care under its near, OLDING, KEFMING, MIR-nes, LOREING-GLASS, E.C.
But effecially in Medicine, and particularly for the October of the Venereal-Difectic, raising Salivations, and on other Occasions. See VENERAL-DISEASE and SALIVATION.

See alfo MERCURIALS. The Preparations of Mencury are very various; this Metal making one of the most considerable Articles in the Chymical Pharmacy. The most common Preparations

are,
Succet Presipitate of Mercury, or Mercury Dulce,
is compounded of crade Mercury crow over from Sea-Salt
in a Recet, or revived from common Cinnabar, and diffulved in Assa forits, then a Brine prepared of SpringWater and Sea-Salt is filtred thro's Cap-Paper, and the Solution of Mercury drop'd gradually into this Brine, whence there is a white Powder precipitated, which is to be wash'd from all its Acrimony with fome fimple diffill'd Water, or

warm Spring-Water, and the whole drie This is the common Precipitate of the Shops, ufually This is the common receipstate of the oneys, unamy call'd White Precipitate. Its Operation is mostly by Stool, formetimes by Vomit, and will failvate, if ordered accor-dingly. It is frequently mix'd with Pomatums for the diagly. It is frequently raise'd with Pomatums for the Irch, and other FoulimeRe or the Skin is for which pur-pole, vits faceflary to keep the Body lazarive, and to take fomer-hing inavardly to take hold of the Mercurial Prin-ciples, and prevent their ratings a Salivation, which they may otherwise for. See Practive 7x is Composition of Virtial calication as reducing common Salig and purifyed

Nitre, with crude Mersury, cleans'd by firsining thro'a Leather, all rubb'd together in a Mortar, till the Sales are reduced into Powder, and not the least Globule of Mer-eury appears. The Mixture is then put into a Matrais, and that fet in a Farnace with a Sand-heat, under which a Fire being kept to its greatest height for 12 or 15 Hours, the Mercary will be sublimed, and slick to the Top of the Vessel.

This Sublimate is a violent Escharoric, and cars away

drop out, and they are feized with Pains all over, proud Flesh; half a Dram of it diffelved in a Pound of especially in their Hones, which the Merowy penetrates, Lime-Water, turns it yellow, which is then call'd Pha. Lime-Water, turns it yellow, which is then call'd Pbz.

godene Waters ji in sied to wash Ulcern, and tettereas, Eruptions. See Sustainay II.

Somet sidomant of Markutay, is a Composition of the proceeding carried Sublimate with cache Averary, general together till no Meany appear, and then par into a Bolt-head, well though, and fer in a Sanders, with a gentle took, well though, and fer in a Sanders, with a gentle to their process of the sanders of the sanders of the sanders than increased for three the man of the sanders of the Glafis invokes, and the Sablinusz feptuated from the light Flowers at two. and the Dalita broken. This is then Orasis borace, and the Sublimate leparated from the light Flowers at top, and the Dult at bottom. This is then powder'd a fresh, and the Operation repeated in the fame manner three times. If it be further repeated a fixth time, it is call'd Calowel. See Calomett.

Fixing of Marcury. See Fixation and Philosophila.

MERCURY in Cosmiffry, or MERCURY of Budies, is the third of the Principles, or Elements of natural Bodies 3 call'd also Sprint. See PRINCIPLE. In this Sense, Mercury is defined the most fubtle, light, volatile, penetrating, and active part of all Bodies.

Sec STIRIT.

MERCURY of Metals, or of the Philosophers, is a pare, flaid Subthance in form of common running Mercury, faid to be found in all Metals, and capable of being extracted

to be transid in all victatis and capable of being extracted from the fame. See Meyalli

The Notion of Moreony of Metals, is founded on the common System of the Chynilib, That Moreony, or Quickes Silver, is the Bafis or Matter of all Metals; and that Metals are only Moreony fix'd by a certain Sulphur. See

Supplys, Ge.

Mr. Boyle affures us, be had a way of drawing a truerunning Mereny, or Quick-Silver from Antimony. See ANTIMONY.

Mencuny also serves as a general Title for Books, and Papers of News; so call'd from the Heathen Deity Men-swy, supposed the Messenger of the Gods. See Jour-

Thus we have Mercaries Galant, Manthly Mercaries Re-See Galant, Se. In this Sense, Mercary is also figuratively apply'd to Per-fons who make it their Business to collect News, or to run

about and diffribute it.

MERCURY, in Heraldry, is fometimes the Term, on Blazon for the Purple Colour in the Coats of Sovereign Princes. See PURPLE.

Princes. See Public.

Mercury is fometimes used for the Torricellian Experiment, or Barometer. See Barometers.

The Mercury is not confinedly faither id in a Tabe above the dilitance of a Sor 29 Inches, yet M. Haygen has found, that Mercury well purged, and in a clofe full Place, will be faithaid or the beight of 71 Inches; which is a Phronometom the Politophers are all at a loft secount for memor the Politophers are all at a loft secount for See Torrigellian Experiment.

MERCURIAL AN EXPERIMENT.

MERCURIAL, founching that confils of, or bears relation to Mercury, of one kind or another. See MERCURY.

Thus we fay a Mercurial Perfon, to denote a Perfon of a brisk, volatile Complexion; fuch Perfoss being fupposed by the Aftrologers to be under the more immediate Doion of the Planet Mercary

So, alfo, we fay Mercarial Furnes, Mercarial Spirits, &c. with reference to the Mineral Mercary.

with reference to the Mineral Meresy,
MARGENIAL Phyloben, fee Plurystrope.
MARGENIAL Upperm, Prillien, Sc. fee SALVATIOL.
MARGENIAL Upperm, Prillien, Sc. fee SALVATIOL.
MARGURIALS, Medicines composite, or prepared or
MARGURIALS, Medicines composite, or prepared or
Margurian Composite, or Margurian,
Margurian Composite, or Margurian,
Margur

Precipiate of MERCURY, CINNABAR, AURBITH, CA-LOMEL, Ed.

The Medicinal Efficacy of Mercury depends on its ex-treme Divibibility, and Finencis of its Particles, and on their Gravity or Weight: by means of the fifth it finds a Paffage into the immost Receffee of the Animal Surveying and whose processing mental does not seen itself till to and, when properly guarded, does not exert itfelf till it comes in the remotell Scenes of Action; where most other comes in the remotest octated it where the control of the Medicines either doo's arrive, or at leaf not till their Force is rebated. This Property it has in common with Camphor Sec Canst note. By the latter, it is enabled to make fill more confiderable Altereations in the Animal OEconomics. that more conderable Attentions in the Animal Obscon-my, by rendering the Fluids inhumer, and breaking open the feerency Paffages: But this Effect it has in common with Caleylean. See Chaltersarts. It may be here added, that the fame Property whereby it becomes for powerful a Deoftment, indicates, that 'tine but avoided in Hectics, and all Cafes where the Confliction is drawn. MER

low by ton profuse Evacuations ; in regard Mercurials tend to keep up or increase the Excels of Impetus in the Fluids, and that Over-Capacity in the secretory Orifices, wherein the Defect of such a Constitution seems to confist. See

MERIDIAN, in Aftronomy, a great Circle of the Sphere, paffing thro' the Zenith, Nadir, and Poles of the World; and dividing the Sphere into two Hemispheres, the one Eallern, and the other Weslern. See Cineux,

Or, the Meridian is a Vertical Circle, as A Z B N, (Tab.
fironomy, Fig. 6.) poffing thro' the Poles of the World,
and Q. See VERTICAL Circle.

P and Q. See VERTICAL Circle.

It is call'd Meridian, from the Latin, Meridies, Noon, or Mid-day, by reason when the Sun is in this Circle, it is Noon in that Place.

MERIDIAN, in Geography, is a great Circle, as P A Q D. (Tab. Georgaphy, Fig. 7.) pulling thro the Poles of the Earth P and Q s and any given Place, as Z. So that the Plane of the Terrestrial Mendean, is in the Plane

of the Celettial one. Hence, t. As the Meridian inveits the whole Earth, there are feveral Places fituated under the fame Meridian. And, 2. As it is Noon-Tide whenever the Centre of the Sun is in the Meridau of the Henvens 3 and as the Meridian of the Earth in the Plane of the former : it follows, that it is Noon, at the fame time, in all Places fituate under the fame Meridian 3. There are fo many Meridians on the Earth, as there are Points conceived in the Æquator. effect, the Meridians always change, as you change the Longitude of the Place; and may be faid to be infinite: Longitude of the Place; and may be faid to be infinite: Each feveral Place from East to Welt having its feveral See LONGITUDE

Figs Merritan, is that from which the reft are accounted, reckoning from Welf to East. The first Meridan is the beginning of Longitude. See Longitude.

The fixing of a first Mendian is a matter merely arbi-

trary; and hence different Perfons, Nations, and Ages, have fix'd it differently; whence fome confusion has a role in Geography. The Rule among the Antients was to make in Geography. The Rule among the Antients was to make it pass thro' the Place furthest to the West that was known. at pais three the Piace turnest to the west that was known. But the Moderns knowing, that there is no fach Place in the Earth as can be effected the most Westerly; the way of computing the Longitudes of Places from one fix'd Point is much laid afide.

much his diffe.

Prilony affermed the whole of the spatial with 'the fire Theory and the state of the state o

East, without much regard to any of their Rules, our Geographers, and Map-Makers, frequently affame the Meridation of the Place where they live, or the Capital of their Country for a first Meridation, and thence reckon the Longitudes of their Places.

The Altronomers in their Calculations sfeally chufe the

I no Autronomers in their valentamens usually charte the Meridams of the Place where their Observations were made, for their first Meridam, as Pulcusy at Alexandria Tycho Bruke at Urunibany, Riccial at Booksyne 3 Mr. Elem-ficed at the Royal Observatory at Greenwick; the French at the Observatory at Paris.

the Observatory at Paris.
In the Phylosophical Transfallions, there is a Suggestion, that Meridans vary, in Time. This seems very probable from the old Meridans-Line in the Church of St. Personio in Bononia, which is found to vary no less than 8 Degrees from the true Meridian of the Place at this time 5 and from from me true Mersians of the Place at this time 3 and from that of Tyche at Unambeau, which M. Picart observes, va-rices 18' from the modern Miridian. If there be any thing of Truth in this Hint, Dr. Walfir fays, the Change mad arife from a change of the Terrestrial Poles (here on Earth, for the truth of the Change of the Terrestrial Poles (here on Earth, arite from a change of the Terretirial Poles (here on Earth, of the Earth's diamal Motion) not of their pointing to this or that of the fixed Stars: For if the Poles of the diamal Motion remain fixed to the fame Place on the Earth, the Meridians which pass through these Poles must remain the

fame. But the Notion of the Changes of the Meridan is over-thrown by an Observation of M. Chandler of the Freed-Academy of Sections, view, when in Egypt, found that the Changes of the Changes of the Egypt, and that the Changes of the Manapana of a Gibb, or Sphere, is the Brason Circle, in which the Chebe Lange and turns. See Groom. It is divided into four oct, or 560 Deprete, bedyinning at the Egyptical Co. On, it, each way from the Egyptical Changes

tial, on the Celefial Globes, is counted the South and North Declination of the Sun or Stars: And on the Ter-retirial Globe, the Latitude of Places North or South There are two Points on this Circle, call'd the Foles: and a Diameter continued from thence through the Centre of either Globe, is call'd the Axis, of the Earth or Heavens on which they are supposed to turn round. See Polis and

On the Terrestrial Globes there are usually 36 Meridians drawn; one through every tenth Degree of the Equator, or through every tenth Degree of Longitude.

The Uses of this Circle are, to fer the Globes to sny particular Latitude; to shew the Sun's or a Star's Decliation, Right Afcention, greatest Altitude, &c.

MERIDIAN Line, an Arch, or part of the Meridian of a Place; terminated, each way, by the Horizon: Or a Meridain is the Interfection of the Plane of the Meridain of the Place, with the Plane of the Horizon; vulgarly call'd a North and South Line; because its Direction is from one

a North and Sush Line; because in Direction is from one Pele towards to soher. See Man Billiam.

The Ufe of Merdaur Lines in Aftronomy, Geography, The Ufe of Merdaur Lines in Aftronomy, Geography, Billing, Cer. is very great; and on its Exacthed all de-Aftronomers to have it to the laft Precision. M Coffin has dilinguished himself by a Merian Line craws of the Pavement in the Charten of Sr. Farmaia at Ensique, the Largett and most accessars in the World. In the Reof of the Church, 1000 Inches above the Pavement, is a little Hole through which the Son's Image, when in the Meridan, Hole through which the Sun's Image, when in the Moradeas, falling upon the Line, marks his Progress all the Year. When finished, M. Cassai, by a public Writing, informed the Mathematicians of Europe, of a new Oracle of Apollo or the San ethablished in a Temple, which might be consolided with entire Considerace as to all Difficulties in Altronomy. See Solstice.

To draw a Meridian Line. Knowing the South Quarter pretty nearly, observe the Altitude F E (Tab. Agreemen, Fig. 8.) of some Star on the Eastern fide thereof not far from the Mendian, HZ R N. Then, keeping the Quadrant firm on its Axis, fo as the Plammet may fill cut the fame Degree, only directing it to the Wellern-fide of the Meridian, wait till you find the

Star has the fame Altitude as befare, fe. Lattly, Biffed the Angle E C e form'd by the Interfedition of the two Chiefrations, by the right Line H R. This H R is two Observations, by the right Line H R. This H R is

a Meridian Linc.

a Meridana Line.

Or abus;

On a Horizontal Plane, from the fame Centre C, (Fig. 9), deferibe feveral Arches of Circles Bh, b.a, 85e. And on the fame Centre C, erecla Style or Gnomon perpendicular to the Plane AGB, store, or half a foot long.

About the sift of Sune, between the Hours of 5 and 12 in the Mension and between earlies after the desired to the sift of Sune, and between and a first and the sift of Sune. in the Morning, and between 1 and 3 after Noon, observe Shadow. Otherwife the Circles may be made with yellow, inflead of black, &c.

nomical Observations, and the latter for more ordinary Occasions, we shall forbear to give any Descriptions thereof.

From what has been flewn, it is evident that whenever the Shadow of the Style covers the Meridian Line, the Centre of the Sun is in the Meridian 3 and therefore it is Centre of the Sun is the Meridian y and therefore It is then Noom. And there the Ule of a Meridian Line in ad-justing the Morino of Clocks, Us. to the Sun. Hence, all (in, the Meridian Line the biffeed by a right, Line OV, drawn perpendicularly through the Foint C; OV will be the Interfection of the Meridian, and affi-Verrical; and, conferencing, O will flow the East Point, and V the Welt, Little, It as Syrie the percentage decisity in any other horizontal Plane, and a Signal ho like drawn and the Plane Control of the Control of the Line drawn and the Plane Control of the Control of the Line drawn and the Plane Control of the Control of the Line and Control of the Line and Control of the Control of the Control of the Control of the Line and Control of the Control of the Control of the Control of the Line and Control of the Control of the Control of the Control of the Line and Control of the Control of the Control of the Control of the Line and Control of the Control of the Control of the Control of the Line and Control of the Line and Line a given when the Shadow of the Style covers the Meridian Line drawn in another Plane, noting the Apex or Extre-mity of the Shadow projected by the Style, a Line drawn from that Point thro' that wherein the Style is rais'd will be a Meridian Line. See Meaninan Miniade. Maranash Line on a Dhi, is a right Line arifing from an Interfection of the Meridian of the Place with the Places of the Day Deep Control of the Place with the

Plane of the Dial. See DIAL.

This is the Line of twelve a clock; and from hence the Division of the Hour-Lines begins.

MERIDIAN Magnetical, is a great Circle passing thro' or by the Magnetical-Poles; to which Meridian the Com-pass (if not otherwise hindred) hath respect. See Mag-NET and COMPASS.

MERIDIAN Alternds of the Sun or Stars, is, their Altiude when in the Merahan of the Place where they are oh-

ferved. See ALTITUDE.

The Meridian Altitude may be defined an Arch of a reat Circle perpendicular to the Horizon, and terminated between the Horizon and the Star then in the Meradam of the place. See SUN, STAR, PLANET, &c

To take the MERIDIAN Altitude of the Stars.

Aftronomers make two principal kinds of Obfervations of Stars; the one when they are in the Medican, and the other when in Vertical Circles. See Observation.

For Meridian Obfermions; there are two Infilments principally afed, the Quadrant and Growom. See Qua-

DEANT and GNOMON.

To take the Meridian Altitude with a Quadrant ; if the Po-To take the Meridian Mitinde wide a Quadrant; if the Po-fition of the Meridian be known, and the Plane of an Aftronomical Quadrant be placed in the Meridian Line by means of the Plamb-Line (informed at the Centre: The Meridian Altitudes of the Stars, which are the Principal Observations whereon the whole Art of Altronomy is

founded, may eafily be determined.

The Meridian Altitude of a Star may likewise be had by means of a Pendulum-Clock, if the exact time of the by means of a Fendalum-Clock, if the exact time of the Star's Paffage by the Meridien be known. Now it must be observed, that Stars have the fame Altitude for a Mi-nate before and after their Paffages by the Meridien, if they be not in or near the Zenith. But if they be, their Altitudes must be taken every Minute when they are near

Altitudes mutt be taken every Minute when they are near the Meridan; 3 and then their greated for leaft Altitudes will be the Meridan Altitudes lought. As to the manner of Obervieg, it is found very difficult to place the Vane of the Quadrant in the Meridane exactly enough to take the Meridan Altitude of; 8 Star; for unlefs there be a convenient Place, and a Wall where the Qua-drant may be firmly failned in the Plane of the Meridan, which is not eafily had, we shall not have the true Position

of the Meridian proper to observe the Stars.
"Twill be much easier therefore on several Accounts, to afe the portable Quadrant, by which the Altitude of the Star may be observed a little before its Passage over the Meridian every Minute till its greatest or least Altitude be

found. Here the' we have not the true Position of the Meridian by this means, yet we have the apparent Meridian Altitude of the Star. dam Altitude of the Star.

The 'this Method, in the general, be very good, and free of any fenible Error, yet in cafe a Star paffes by the Meridan near the Zenith, it proves formewhat defective: For in theft kind of Obfervations, the inconvenient Situation of the Obfervers, the Variation of the Star's Azimuth fewerel Degrees in a little time; the Alteration of the Star's and the difficulty of replacing it vertices. Asimush feveral Degrees in a little time; the Alteration of the Inflarmant, and the difficulty of replacing it vertically, will prevent the Obfervations from being officer than the control of the contr dies, in order either to place the Instrument in the Meridia or to observe the Altitude of the Star the Moment it paties the Meridian. See Altitude and Quantant.

To find the MERIDIAN Altitude of the Sun, &c. by a Gro-See GNOMO MEBIDIONAL Diffance in Navigation, is the fame with the Departure; Eafling or Wofting; or the Difference of Longitude between the Meridian, under which the Ship now is, and any other Meridian she was under before. See

DEPARTURE.

MERIDIONAL Parss, Miles, or Minutes, in Navigation, are the Parts, by which the Meridians in Mercator's Chart do increase, as the Parallels of Latitude decrease. See

CHABT.

The Co-fine of the Latitude of any Place being equal.

The Co-fine of the Latitude of any Place being equal to the Radius, or Semi-diameter of that Parallel, therefore in the true Sex-Chart, or Nautical Planiphere, this Radius being the Radius of the Equinolital, or whole Sine of 90 Degrees, the Méradiur Parisa et ach Degree of Latitude multi interale, as the Secasts of the Ark contained between that Latitude and the Equinolital do

The Tables therefore of Meridional Parts in Books of Navigation, are made by a continual addition of Se-cants, calculated in fome Books (as in Sir Jonas Meor's Tables) fur every Degree and Minute of Latitude; and

thefe will ferve, either to make or graduate a Mercator's Chart, or to work the Mercator's Sailing.

To use them, you must enter the Table, with the De-gree of Latitude at the head, and with the Minute on the first Column towards the Left hand; and in the Angle of

meeting, you will have the Meridional Parts.

Having the Lainudes of two Places, to find the Meridianal Males, or Masses between them; confider whether the Places be, one under the Equinoctial, and the other wide thereof; or the one on the one fide the Equinoctial, and the other on the other; or whether they both lie on the fame fide.

If one Place lie under the Equator, the Merideanal Mi-mates next under the Degree of Latitude of the other Place, is the Merideanal difference of Latitude, or Latitude en-

If one be in North, and the other in South Latitude ;

the Meridonal Minutes corresponding to the two Latitudes added together, give the Mandal Minutes between Both Places lying towards the fame Pole; fubfired the Meridonal Parts answering to the less Latitude from those

Mendonal Parts andwering to the 16s Latitude from that of the greater; is the remainder gives the Mendeau Minness. of the greater; is the remainder gives the Mendeau which the articles Remon gave to a kind of Glass. A some which the articles Remon gave to a kind of Glass, and the Moormag against Beattle, had finished. See GLABIATON, the Great MAD William of the Moormag against Beattle, had finished. See GLABIATON, the Greater May of the Moormag were fastle of Humanity, companed with these when the Glomburs that the Greater Moormag were fastle of Humanity, companed with these when the Glomburs.

The Mendians took their Name from Meridies, i. e.

Noo, the time when they exhibited their Shews.

NERIT, in Theology, is used to figurity the Moral
Goodness of the Actions of Men, and the Reward due to

The Romish S.hoolmen distinguish two kinds of Merit towards God: The one of Congruity, and the other of

Candeging, the Action of Congruing, in, when there is no juli Pro-perion between the Action, and the Records but he wise believes the Record Spiller by the Conclusie or Li-wide the Conclusion of Conclusies of Line of Conclusion of the Action of Conclusion of Conclusion of Conclusion of Merri of a Son towards his Faster's bowth in colar Merri or an improper, from the Conclusion of Conclusion of Conclusion of The Conclusion of Concl

wards God. Even their best Works don't Merit any thing at his hada. The Dostrino of Merits makes one of the great Articles of Controversy between the Romiss and ReformedChurches

MERLON, in Fortification, that part of the Parapet which lies betwirt two Embrasures. See PARAPET and EMBRASURE.

It is from 8 to 9 Foot long on the fide of the Can-non, and 6 on the fide of the Field; about 6 Foot high, nd 18 thick. The Word comes from Merula, or Merla, which in

The word coinci from Aleria, or Meria, which in the corrupt Lains was used for a Battlement. MERMAID, or MERMAN, a Sea-Creature frequently talk'd of, as being supposed balf human, and half a Fish. See MONSTER.

See Most P.B..

However Naturalities may doubt of the Reality of Mrs.

However Naturalities may doubt of the Reality of Mrs.

However Naturalities may doubt of the Reality of Mrs.

Levery informs as, find a Mindlew and find up in the County of Sept. and I count the Section of the Mindlew and find up in the County of Sept.

Mrs. However Mrs.

Levery informs as, find a Mindlew and find up in the County of Sept.

Note of the County of Sept.

Note of the Mindlew and find up in the County of Sept.

Or operation of the Mindle Sept.

In the Yest 14,90, after a large Termority, which having down the Dyles in Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and made way for the Section of the Mindlew and Mi

the Meadowigt's time Girls of the Town of Eleman Bright-Preadant, pring in Bots to milk their Coop, perceive 4, Preadant, pring in Bots to milk their Coop, perceive 4, Memade onburseft 4 in the Mad, with a very little Water. Edw., derfel it is Women's, Appeller it with then to fight. Seen seen to Women's, Appeller it with then to fogle. Some item deferential is wat brought to Moreo-to fight. Some item deferential is wat brought to Moreo-te for the Made and the Made and the Made and the leading to the Made and the Made and the Made and the leading to the Made and the Made and the Made and the Revenues very devandy when ever it paid by a Cra-cific. Diliter of Made and the Made and th

citix. Deliceia Hearage.

In the Year 1500, near the Island of Manar, on the Western Coast of the Island of Ceylon, foune Fishers brought up at one Dreught of a Net, feven Mersone and -Maids; of which, feveral \$P(\overline{n})\$is, and among the rest, \$X \times x \times x\$

thole of files. See the 1431 at 14 companies a system at length.

T. IV. N° 276. where the Relation is given at length.

We have another Relation well attefted of a Memons, near the great Rock call'd Diamond, on the Coaft of Memons. near the great Rock call'd Dissessed, on the Coaff of Mar-statics. The Perform who faw it, gave in a precife De-feription of it before a Norary. They affirmed that they faw it wipe its Hand over its Pace, and even heard it blow its Nofe.

Another Creature of the fame Species was caught in the Baltie in the Year 1531, and fent as a Prefent to Sigifmont the Ballie in the Year 1513, and fent as a retent to Signoma-king of Fallow, with whom it lived three Days, and was feen by all the Court. Another very young one was taken mean Roses of Simmy, arrelated by Domina Court. The King of Foreign and the Grand Master of the Obleved to Simmy, the damitted belonged to. MESAREUM in Another belonged to. MESAREUM in Another belonged to.

rism. See Masenvery. MESARAUM is also used in a more restrained Sense for a Parr, or Division of the Mesensory; being that fastned

to the thick Guts. See MESENTERY. MESARAIC Vessels, in the general Sense, are the me with Mesaraic Sense Masanteric. Incommon asc, Mesarcie is more frequently applied to fame with Mefenterie.

Incommon use, Mejanesie water frequently applied to the Veins 3 and Mejantesie to the Arteries of the Mejantesy, MESENTERY, or MESARATUM, in Anatomy at membranous Body 3 thus call'd, because placed in the state of the Mejantesy. middle of the Intestines, which it connects to one another. See INTESTINES.

The Mejentory is almost of a circular Figure, with a narrow Production, to which the end of the Colon, and beginning of the Reflow, are tied.

"Tis about four fingers and a half in Diameter: Its

Circumference, being full of Plaits and Foldings, is about three Ells in length. The Inteffines are tied like a Border

three Ells in length. The Inteffines are tied like a Boo-let on this Gircumference of the Mojentry: There are three Inches of the Inteffines failtred. See INTENTINES.

The Mojentry itself is frongly tied to the three first Fertifiers of the Loins. It is composed of three Lomines, been incre, upon which the Glands and Fu lie, and the Veins and Arteries run, is it nown proper Membranes; and there are the run of the r other two which cover each fide of the proper Membrane come from the Peritonnam. Between the two external Lacome from the Perisonesses. Between the two external La-mins of the Mignetry, ran the Branches of Arteria Me-fenterines, fuperior and inferior, which bring the Blood to the Intellines and the Pene Mignetze, which being Bran-ches of the Pene, carry the Blood back to the Liver. Here the large Branches of both Arteries and Veins com-municating with one arother, march directly to the Gust 5 muistaing with one arother, march directly to the Guay, where, with the Nerves from the Pleass Migrachies, they divide into an infaire Namber of fmall Benches, which freval them fives exemuely facely appearance of the property of the prop

The Mefentery has been ordinarily divided into two
Parts, the Mefanessa and Mefecules. The first appended to the Intestina Tennia ; and the larter to the Craffa: Bur

to the Integlina Tensor's and the larrer to the Creffs: But his a Dividion of no great moment.

The Ufe of the Melignery, is, first, to gather the In-tellizes into a surrow Compad, that the Coarfe of the Childrens Velfels towards their common Receptacle Childrens Velfels towards their common Receptacle Blood-Velfels; and to core and protect them and the Blood-Velfels; and to core and protect them and the float to fecure them from any Brangelement that might the their meligible Meligies.

The Word comes from the Greek page, middle, and irress, Inteffine, Gut; as being in the middle of the In-

MESENTERIC, or MESARAIC, an Epithet given to two Arteries arising from the defeending derie, and pro-ceeding to the Mejentey.

There is an Upper, or Superior Mesenteric, which goes to the upper part of the Mesentery; and a Lower, or Inferior Mesenteric, which distributes itself through the lower Sec ARTERY

part. See ARTERY.
We have allo a Melenserie Vein, composed of an infinity
of Veins proceeding from the Mesentery; which, with the
Vens Splenies arising from the Spleen, form the Vens Pores.
Anatomits also reckon a Melenserie Nerve which arises
from the Intercostal, and sends several Branches to the

Mefentery. See Nerve.
MRSENTERIC Please, a Please, or piece of Net-Work form'd by the Branches or Ramifications of the Par Vagam,

The Plexus Mescentericus Magnas, or great Mescenteric Plexas, is form'd out of the concurrent Branches of feveral other Plexus's, and fends its nervous Fibres through the whole Mcfentery along with the Mefernie Veffels, which, with various Circumligations, they accumpany to the Intellines. See PLEXUS

MESN, or MEASNE, a Term in Law fignifying him who is Lord of a Manor, and to hath Tenants holding of him; yet he himfelf holds of a fuperior Lord. See

LORD. MESS is also a Writ, which lieth where there is Lord MeSS and Tenant, and the Tenant is diffrainted for Services due from the MeJn to the superior Lord. The Word is properly derived from Mijn, miner ment, became to when the holds. his Tenure is derived from another, from whom he holds.

MESOCOLON, in Anaromy, that part of the Mesentery continued in the great Guts. See MESENTERY. The Mescolon lies in the midlt of the Colon, to which it is join'd. Its lower part flicks to a part of the

MESOLABE, MESOLABIUM, a Mathematical In-frament invented by the Antients for finding two mean Proportionals Mechanically, which they could not come at Geometrically. See PROPORTIONAL.

It confifts of three Parallelograms moving in a Groove to cerrain Interfections. Its Figure is deferibed by Ente-

to cerrain leterfections. Its Figure is guiceruse by Landelsia in his Commentary on Archimeder.

MESO-LOGARITHM, a Term used by Kepler to figurify the Logarithms of the Ca-Sines, and Co-Tangenton The former of which my Lord Neper calls Ann. Lagarithms of and the latter Differentiales.

Thefe are also call'd Artificial Sines and Tangents. See Locarithm, Co-Sine, Co-Tangent, Anti-Lo-GARITHM,

MESO-PLEURII in Anatomy, the Intercottal Muscles. Sec INTERCOSTAL,

The Word is derived from 10000 Medium, Middle ; and veg. Latas, the Side. MESO-PLEURII is forestimes also used for the interme-

MESS PLEURI IS tometimes alto uted for the intermediate Spaces between the Coffe, or Ribb. See Ribs.

MESSE, or Massa, or Missa, the Office, or public Prayers made in the Rewife Church, at the Celebration of the Eacharit. See Euchaist.

the Eucharist. See Eventarism. The Resids Divines define the Majs, an Oblation made to God, wherein, by the change of a fensible Object by virtue of a divine Initiation, the forecage Dominon of God over all Things is acknowledged. This they effects the greatest and most angust Caremony in use in the Chutch, as being the Sacrifice of the new Law, wherein the Body and Blood of Jesus Christ are officered up to

God.

They are divided about the Queffion, Whether or no it be proper or allowable for the fame Perfon to celebrate Majf feveral times is not day; having the Authority of Pope Lee in his Letter to Dufcarus for the Affirmative Side of the Queffice, and that of feveral of the Councils for the Negative. Nicod, after Baronius, observes that the Word Mass comes

from the Hebrew, Miffach, Oblatam ; or from Miffa, Mifferam ; because in the former Times, the Catechamens and Ex-communicated were feat out of the Church when the Dea-

communicated were feat out of the Church when the Des-continual for the property of the Church when the Des-continual for the Church was the Church with the Epitite and Golpel; they not being allow it to stift as the Conferention. See CATEGORNES.

Mineye derives it from Moye, diffinding, Others again, derives it from the Laten, Johiff, Early because in the chartest in the Laten, Johiff, Early because in the Church There are a val Vaccious Berthard from up to Heaven.

There are a val Vaccious and the Resign Church is the dispersation one Virties and the Resign Church is the different Rites, Intentions, and Manners in which it incomfounds as well asserbed Chemistry. is performed, as well as other Circumflances.

Thus they have an Aminofian Majo, celebrated according

to the Rite of St. Ambroje, particularly used in Milan.

The English Mass was the Form which antiently obtain'd

in England. Gallican Mass is the Rite that formerly obtain'd in the Churches of France,

Churches of Fronce.

Greek Majis that rehearled according to the Greek Rites in the Greek Language, and by Greek Priefts. Latin Majis is that uffed in the Latin Thronk Latin Tongue, and according to the Rites of the Latin Church.

High Maji, called also Grand Maji, is that fung by the Chorither, and celebrated with the Affiltance of a Deacon.

and Subdeacon.

Low-Mefi is that wherein the Prayers are all barely reheatfed without any Singing, and performed without much Ceremony, or the Affiffance of any Deacon or Sub-

The Mass of the Beats, or our Lady, is that offer'd to God by the Means and thro' the Intercession of the

The Beau-Mass is a Mass rehearfed every day, at which

the Ladies and Bean-Monde of the Place attend. This is also call'd the perfumed Mass. Common Majs, or Majs of the Community in a Monastery is that celebrated at certain Hours, whereat the whol Body affifts

histories of the Holy Ghoft, is that celebrated at the beginning of any Solemning or Church-Affembly, commercing with an Invocationof the Holy Ghoft.

an Invocational the Holy Uniot.
Hisly-shy-shdy, is that wherein certain Prayers or Lectures
are read furiable to the Day.
Maif of Judgment, was that wherein a Parfon clear'd
himfelf of any Calumny by fome Proof agreed upon.
Maifs for the Death of our Enemies, was a Parfor of Maifs
that obtained a long time in Spain, but was at length about
the control of the Calumny of the Calumn Challes.

iffled as inconfifter with Christian Chanty.

Maji of the Dead, or Request, is that performed at the
Request of the Deceased: The Introis whereof begins with

Response. In the 13th Century, it was the Cuttom e'er Cri-minals were carried out to Execution, to make them at-tend at a Maji of the Dead, rehearfed for the Repose of their Souls Parifi Maji, or Great Maji, is that which the Parion is obliged to rehearfe to his Parifhioners on Sundays and Holy-

obliged to enderface the hierarchiseners on Sundays and Holy-ays. Little Major is that fail or private Alizas with Left Against Alizas and Against Alizas and Against Alizas Major  $\beta$  a Soliet, is that wherein God is most obly the latercelline of forme Saint. Thus there are all  $\delta$  Major of Apolites, Marrye, Poniffs, Virgins, &c. Major  $\beta$  Service, was formedly recharded at the Exa-mination of Catechomens, when Ecquiry was made as to their Differenties for Bayeline.

Dry Mafe, is that where there is no Confectation; as those, according to Downshis, where the Pricti cannot confectate, by reason of his having said May before on the same day; or that used by the Candidates of the Prictihood, in order to their becoming acquainted with the Ceremonics 4 as Eckiss will have it-

Fonce Majs, is an extraordinary Majs befides that of the Day, rehearded on fome extraordinary Occasion. MESSENGERS, in the Employ Polity, are Officers chiefly under the Direction of the Secretaries of State 3 being always ready to be fent with all manner of Dispatches. Foreign and Domesti

Föreign and Domeillic.
They are 316 mely 24, with the Secretaries Warrans, to take up briefon for High Treation, or other Officers to take up briefon for High Treation, and the Officers Conguistance of the Common Law, such, perhaps, are not proper to be divulged in the ordinary Confrod Julice.

The Printers two, appechend are validly keep at their ment a. a. d. a. per day.

When they are all Domessee for their Journey, as sitzed, we to Zerni, so d. t. of Edwards of the Confronce, as sitzed, we to Zerni, so d. t. of Edwards of the Confronce, as sitzed, we are proposed to the Confronce of the Confronce, as sitzed, we are Zerni, so d. t. of Edwards of the Confronce, as sitzed, we have a followed to under Marcia to proportion. Part of the Confronce of the Confronce of the Confronce of the Confronce, as sitzed, we are Zerni, so d. to Defaulted, etc. and to under Marcia to proportion. Part of the Confronce of the Con

which Money is advanced to them for their Journey.

They wait twenty at a time, mouthly, difftibated as follows, 512. foar at Court, five at one Secretary's Office, tollows, with roat Court, are at one Secretary's omice, five at the other, and two at the third Office for North Britains, three at the Council-Office, and one at the Lord Chamberlain's of the Hossihold. Their Poffs, if purchafed, are effected worth see 1. Their Salary is 45 1. per Annow

DEMENDERS of the Exchepter: The four Parfaivants in this Court are called by this Name. Their Day and Cliffice in a varend the Lord Treasures, and to carry his Lenters, Procepts, &c. See Perservant.

Missenser of the Poly. I Perfox who by order of the Court fearther Frinting-House, Book Kellers Shopp, &c. or order to find out, or discover feditions Book, &c.

in order to find out, or discover leditions Blocks, 35.

MESSIAH, a Term fignifying Amentad, or Secret's and in that Senfe applied to Kings and Priefts: But, by way of Emisence to Jeius Chriff, the Saviour promis'd by the Prophets of the Old I aw. See Circustr.

The Jews Hill wair for the cuming of the McMab; being

infatuated with the Notion of a temporal Mediab that is to be a mighty Conqueror, and to fubdue all the World.

be a mighty Comparent, and no firbiduc all the World.

Spin Christ distribution firbid Might, 18.5 gade it, as,
face Christ distribution firbid Might, 18.5 gade it, as,
the domarized Woman fays to Defair, I beam their when the
Middlish mere, Gade in cold and Le Christ) by sull set a set of
face of the cold of the Christ of the Christ
There are feveral Impolates that have enderword to pa
for for Mights, J. Lett., a Davidson, has written a
Hittery of falls bulghalp, De Tjoudoughi, The faft he
Empired of drints. The last is Rabbid directable, who begas to be raill'd of in reflex. A lattle before him, who in
and world Middlish and Christ of the Christ
and turned Middlish and the Christ

Middlish and the Christ of the Christ

All state before him, who in
and started Middlish and the Christ

Middlish and the Chris and turned Mobone

The Word comes from the Hebrew, Majehnach, Anointed, of the Verb Majehnach, to anoint : whence Jefus Christ claims the Title on a manifold Account; 1st, as baving been

anointed King of Kings from all Ages, adly, As Chief of the Prophets, 3dly, As High-Prieft of the Law of Grace; or Prieft for ever according to the Order of Melebifolics. The Son of Gad is variously denominated according to

Man.
MESSIEURS, a French Tide of Honout or Civility,
lately introduced into our Language. The Word is the
Plural of Monifers, and is equivalent to the English, Ser.
Sec Monsieur and Sir.

The Lawyers always begin their Pleadings and Ha-rangues with Meferses which Word is also frequently re-peated in the Coarle of the Speech 3 on which oceasion is answers to our English Word Gentlemen.

The French fay, Meffener du Parlement ; du Confeil ; des pres &c.

impies, ccc.
MESSUAGE in Law, a Dwelling-House with some
and affigued for its use, &c.
By this Name may a Garden, Shop, Mill, Chamber, or Celiar be called.

In Sectional, Missinge is what we call the Matter-Hoose, z. Principal Dwelling-House within any Barony. See

MESYMNICUM, a Name the Antients gave to a cer-in part of their Tragedy; or to certain Verfes in their Tragedies. See TRADEDY.

The Majorana was a kind of Burden, as to Pean 3 O
The Majorana was a kind of Burden, as to Pean 3 O

Dubyrambe; Hymen, O Hymensee, or the like 3 which when placed at the end of a Stophe, was called Ephymnium; and when inferted in the middle of a Stophe, Malymnicam. See STROPHE and CHORUS

METACARPUS, or METACARPUM, in Anatomy, that part of the Hand between the Wrift and the Fingers. Soc HAND.

The Metacarpus conflits of four Bones, which answer to the four Engineers.

The Metaurips conditis of four Bonce, which aniwer to the four Fingers is whereof that which fallimints Fror-finger is the bugget and longedt. They are all round and long, a little convex towards the bank of the Hand, and concave and plain towards the Palm: They are hollow in the middle, and full of Marrow is they noad one another only at their Exermities, learning Spaces in their middle, in which lie the Mid-Soil Introfile: So livram-middle, in which lie the Mid-Soil Introfile: So livram-

OSSEL.

In their upper end there is a Sinus, which receives the Bones of the Wrift; their lower Extremity is round, and is received into the Sinus of the first Bones of the Figgers. See FINGER.

crs. See Finger.

The inner part of the Metacarpus is called the Palm, and he outer the back of the Hand. See Palm, Et.

The Word comes from the Greek pures, post 5 and agree). Maria. See Carpus.

METACISM, in Grammar, a Defect in the Procusions.

ciation of the Letter M.

Iffidire fays it's a final m, followed by a Vowel, as be-

METACHRONISM, in Chronology, an Error in Com-putation of Time, either on the fide of Defect, or Excefa-See Chronology and Time.

METACONDYLI, is used by some Authors for the out-most Bones of the Fingers. See Fingers and Con-DYLUS METAL, in Natural Hiftory, a fimple, foffil Body, that fufes, and becomes fluid, by Fire, and by Cold coagulates and bardens into a folid Mafs, capable of diffending under

the Hammer. See FossiL: Metal is faid to be Susple, as it may be affirm'd of every the minutest Particle of a Metal, e. gr. a Grain of Gold, that it is Gold, or has all the Properties of Gold. See

Fufible by Fire, that is, when exposed to a great Fire, it

Fifthe by Fire, that is, when expoted to a great zere, it diffulors into parse which are cally moveable among themfelves, or are in actual movion. See Fusion.

Fixed, i.e. bearing the Fire without flying off in Vapours. The' it is only to a certain degree that Mitals are faced; for by the large Burning-Claffic of Mell. Theirn-haufer and Fillette, all Metals readily evaporate. See

FIXITY.

Such is the proper Idea of Metalt, which is no ways applicable to any other Body in Nature: For a Diamond, or other Stone, the' a fimple Body; is not fulfible in the Fire, nor capable of being fletched under the Hammers See Dramonu. And Salt, the' diffolvable by Fire; is not malleable, but breaks under the Hammer. See

There are indeed certain Woods which yield in fome

the one at liberty from the other; the Moiffure evapomeasure to the Hammer; but then they fall to Duit in the Fire: And so of the rest. See MALLEABILITY, Dr. W redward accounts for the Production of Metals found in the Earth, in the following manner.

We find but fix Metals in all Nature, viz. Gold, Lead, Sher, Copper, Iron, and Tim. Scetche Nature, Characters, Ptoduction, Ufes, &c. of each thereof, under its proper Article; GOLD, LEAD, SILVER, COPPER, IRON, and

TIN.

To thefe, a feventh Metal is usually added, cize. Mer-eary, or Quack-Silver; but improperly, as it has not all the Characters of a Metal, not leave any thing in com-mon with the other Metals, except Weight and Smiliarity parts. See MERCURY, &c.

of parts. See MERCURY, Se.
Thus, for Example, it is neither diffolvable by Fire,
malleable, nor fix d: In effect, it fecuns to continue a
peculiar Claff of Fofilis, and is rather the Mother, or Baffs
of all Metals, than a Metal itself. However, as it is usually
made and a set with a matter and the made and set with a matter in the made. reckoned among them, and asit wants nothing to render it a Metal, but an additional Sulphur to fix and connect its parts together, it may without any great harm be con-fider'd under that Class.

The common radical Character of Metals is, that of all known Bodies, they are the heaviest. By Dr. Holley's Exknown Bodies, they are the heavest. By Dr. Hally & Ex-periments, the Weight of Gold to that of Glassis deter-mined to be as 7 to 1; and the Weight of Tin, the lightest of all Mercils, to that of Gold, as 7 to 1; which confiderably farpatics the Weight of all Stones, Marbles, Germ, and other the most folds Bodies, as appears from the Tables of Treein Gravities. Not inhere any Body in Nature burs a Mend, that is one third of the Weight of

old. See Specific Grandy.

Gold. Sec Srecipic Gravy.

The Rayal Soving familit has with various Experiment of this lind. The Weights of the Sevent North, and weighing them in Africa and in Nate at a said the Weights of the Fluids by weighing an equal Fortion of each. By fact Experiments they fand, that thailing the fame Weights of Water and Gold, the Bail or Magnitude of the former to the Internal rayid to record the the the Africa and Gold, the Said of Water and Gold, the Bail or Magnitude of the former to the Internal rayid to record the Said of the Sai Weight of Gold is to Water nearly as 19 to 1.

The Specific Weight of the feveral Metals by this Means determined, fland thus :

| Gold   | 19635  | Iron  |                       | 7852  |
|--|--------|---|-----------------------|---|
| Quick-Silver   | 14019  | Tin   |                       | 7321  |
| Lead   | 11341  | Stone                                       |                       | 2000  |
| Silver   | 105135 | Water                                       |                       | 1000  |
| Copper   | 8843   | Air   |                       | 17  |
| The Cubic Inch of<br>Gold<br>Quick-Silver<br>Lead<br>Silver<br>Copper<br>Iron<br>Tin | Weighs | Ounces,<br>12<br>8<br>7<br>6<br>5<br>5<br>4 | Drams.  8 6 3 5 6 1 6 | Grains,<br>52.<br>8.<br>30.<br>18.<br>36.<br>24.<br>17. |

As to the Origin and Formation of Metals, various are the Sentiments of Philosophers Antient and Modern. Plates will have the Caule of Netals to be a buniel Va-pors, inclosed in the Bowels of the Earth, which being variously internsit & with Farts of the Earth, produce various Metals. Plate will have Suphur to be the Father of Metals, and an obeginous viloose Humour Just Suphur. Lispa endearous to prove all Metals generated by a fuber-rancan Fire s urging, among other Reasons, that many Metals, when taken out of the Earth, are exceedingly hot. Du Hamel shows, that Metals don't take their Rife either from any vaporous Exhalation, or from Water, or from Earth; but are generated of Mercary, Sulphur and Salt.

He adds, that Metals take their Matter and Weight from

the Mercury, and their Tincture and Form from Sulphur.

The fame Author owns the first Rudiment of a Metal to be the Mercury, and their Indicates and voters from Sulpair. As a false Substance she within the Mercury of the Pythor much the Terrefusal Tars are much to the Control of the Mercury of the Pythor much the Terrefusal Tars are much to the Terrefusal Tars are made in the Mercury of the Mercury of the Mercury of the Terrefusal Tars are much in the Mercury of the Mercury

All Metals now found in the Systa owe their prefent Condition to the Deluge 3 when, also he imagines the Systa of Stone, Earth, Marble, Go. were form'd. See De-

The Metallic and Mineral Matter now found in the perendicular Intervals or Fiffures of the feveral Strate,

penatesiar intervals or Fiftures of the feveral Strates, whereof the Body of the Earth is comped'd, was, according to him, at the time of the Deluge lodg'd in the Bods of thot Strate, and brought thence, and treadmitted into the fe Intervals fince that time 5 the Intervals them-felors not retiline, till the Strate was

felves not existing, till the Strata were form'd and broke again, to let the Water from the Earth. Now the Water which, he imagines, is conflantly af-cending from the Abyls (fee Agyss) towards the Surface

ceeding from the Abvis (the Abvis) towards the Surface of the Earth, continually pervading the Siran, detaches out of their Pores and laterifices such Massik and Mincred Corpucities as it finds looke in its way, carrying them along with it to the perpendicular Intervals, where having a freer Paclings than before, it deferts them, and leaves them in those Intervals. And this he takes to be the way in which all Afetale, now found in those Places, were brought thither, and flill grow Those in the Strate, however, he observes do not,

annot grow; but, on the contrary, are continually leften'd and diminish'd, by so much as has been convey'd into the perpendicular Intervals, and brought forth of the Surface of the Earth by Springs and Exhalations from the

Surface of the Earth by Springer and Exchalations from the Alyri, Life. See Pointurber complishes of the great Uncertainty and Inconfinery in the Mineral and Assasse Kingdom; schort Colour, Figure, nor Situation in hot Earth, being to be disposled on, for at to make any first, or the Colour, Figure, nor Situation in hot Earth, being to be disposled on, for at to make any first, for militare, I had have the Colour and Brightened of Gold and Sitver, and yet sifted softing for a little Vi. Barre Miramer of a valuable Mean in it. 'Tic common too to find the fame Mean flux into a great number of Mean's Miramer of the Colour State of the Colour Mean's Miramer of the Colour State of the Colour Mean's Miramer of the Colour State of the Colour Mean's Miramer of the Colour State of the Colour State of the Mean's Miramer of the Colour State of the Colour State of the Mean's Miramer of the Colour State of the Colour State of the Mean's Miramer of the Colour State 

M. Townelers is of opinion, that all Metals have their Origin from Seeds, like Plants, i that they have Vetfels, with Juices circulating in them, &r.

The French Chymith have been very curious in their Inquiries into the Nature and Production of Metals, M. Geoffrey, from a Mixture of Sulphur with a vitriolite.

Salt, and an argillous Earth, brought an Iron, which maintain'd to be a new Production, or a Composition resulting from the Assemblage of certain Principles, which existed separately in the ingredients that formed the Metal 3 in a word, that it was an artificial Iron. And observing that there were Parcels of this Metal in the colour'd After of Plants, and of most other inflammable Sub-flances, he concluded that it might be form'd there also

Afface of Flans, and of ment offace maximum are assumed to have a face of the that all the Ingredients whereof M. Geofroy's artificial Iroo were form'd, do really contain Iron in themfelves, either in finaller or larger Quantities: Not the Argilla only, where the Iron is cafilly difcover'd by an animated Knife's nor the Oil of Vigriol, which is drawn from a Mineral, nor the Ohl of Visitol, which is drawn from a filteral, the Ground whereof is Iron 5 but alfo Linfeed Ohl, whereof M. Greff-9/8, Sulphur was made 5 and even that of Turpentine, fweet Almends, &c. relating withal the Operations whereby each of thole Oils might be reduc'd in

an Earth wherein was Iron.

To this it is answer'd, that in what manner soever Iron be drawn from the several Ingredients separately, there will be fill found infinitely lefs in 'em, than when mix'd, and that of confequence the Mixture produces Iron.

That as for Oils, 'tis evident they are not fimple Subflances, but are composed of an Earth, an acid and a ful-phurous or inflamenable Part; which are the three preeile Principles requir'd for the Formation of Iron: fo that, according to all Appearance, 'tis an Affemblage of those Sulphure, Salts and Earth in the Oil, that the Iron is form'd by Calcination; and therefore that the Means used to the Iron in the Ingredients, are the very same with

to the Iron in the Ingredicus, are the very fame with hole by which it is compored.

Hence it appears, that vegetable Matters comain the Principletor Mineral. But M. Gerbyr goes further: and to Ingport his Declarine of the Production of Mundi, un-dertakes to preve, that the Principles of Vegetables, and those of Minerals, are effectablly the fame; and that one may readily, and with each, decomposed Minerals, but fognating their Praciples, and composed can usain, by the first that we have the form of the production of the holistic that we have the form of the production of the con-

shibitating Pranquiet taxen from vegetanes at the method taken away.

To clear this Point, he extenines and compares the Traciphes of Mineral and Vegetable Silts. The Principles of Mineral and Vegetable Silts. The Principles of Mineral and Vegetable Silts. The Principles of Mineral Advances of the Principles of World Principles Advances of the California Silts we find in Plants. On the other hand, the efficient Silts of the Parisersia is wholly nitrous, and melts on the Coals. Add, philosop, Kaif, Ger. contains agreeted of See Salt, which crystallizes in Cubes, and precipitates on the Coals. Add, that the greeted part of the fis Salts. of See Salt, which crystalties in Cubes, and precipitates on the Cosls. Add, but the general by are of the field Salts of Planes celind to a certain degree, yield a throng Smell of Salphaw, which can preceed them nothing that a similar to Salts we may be able to judge of all the other Salts we may be able to judge of all the other Salts of Planes, for the volutile Salts are suching elfe but field Salts of Hansy, for the volutile Salts are suching elfe but field Salts differency of the first Salts of Hansy, so which pass of Oli See Salts. That the Cast is such such that the salts of Hansy is the pass of Oli See Salts. The Tarther, there is fearer say reation to doubt, the contraction with the mineral facility with the only difference, then with the mineral facility with the olived Adiss's with the olived yill difference, then

acta junes or with two mirred Acids, with this only difference, that the Acids of Plants have them extremely ratify d by Fermentation, and united fo closely with Sulphurs, that is not without a great deal of difficulty that they are fepa-

nated, initially Wienger, which we chake no fersale of making among the wishruke Ardels, does only differ from Spirit of Sulphur, Spirit of Vieriel, or even the Cantile Oil of Viriel, in that the Ardel is in the Viengar are diffused among a great deal of Phiegen, and flrougly united difficient of the Cantile Compared to the Cantile Cantile

which it appears, that the Salts of Plants do not differ ef-fentially from those of Minerals. featially from those of Minerels.
For Sulphars, the inflammable or fulphureous Principle
for Sulphars, the inflammable or fulphureous Principle
is the same in Vegerables as in Minerals. And M. Geofrieg
even shews, that the Principle of Inflammability in common Sulphur, is the same with that which renders the Pat
of Aminals, the Olls and Resins of Plants, and the Bimmens of the Earth, inflammable. To which he adds, that mens of the Earth, inflammable. To which he adds, that this fine fullspharessy lrinciples in onco) il klewife found in metallic Sabillances, but that 'in this which gives them their Fuffillin', Doctiliny, and metallic Forms. Thus Antimony, which is a Sub-instee dipracting the except of any to a Mont, is filter elle but a burning Sulphun. Sy exhaling this, it lote its metallick Form, and becomes a kind of grey Albar, which being metal-ch, infliend of Morte Markov, which being metal-ch, infliend of Morte Saliman Sa

Regulus

As to the Species of Metals, there are four which the Chymifts call Imperfell, because their Principles are not bound to fast together, but that the Force of a common Fire defiroys them; the se are, Iron, Copper, Lead and Tin; the others, which are Proof against common Fire, are Gold and Silver. In the four first 'tis cat's to fee the Principle of luflammability. They become all fusible by the Ad-dition of Salt-Petre, either in a greater or less degree. 1dition of Sulv-Terre, other in a spenare or left signer. I row in situ where insh is the most visible, user, I'm y she copyer and Leaf. But the Principle is more confuseous thill, in the Buf or forull Fittings of the Stand, tet fall is and Silver, the full plants of the Stand, tet fall is an additional to the Sulver of the the greatefi part of what is exhaled in Smoak during the Operation, it he fulphareus Principle mix'd with Salts. As so Silver, there is fomething in it extremely various. When purify'd with Antimony, it witting in the Saus but if purify'd with Lead, it leaves nothing behind it but erey Aftes. The Ground of this Metal is doubtle's an Earth capable of Virtification; and what exhales in

Smoak, is apparently a Mixture of Sulphut, Salts, and a little Earth volatilized by the Fire. See Sulphut, From all which, and many more Observations of the same

linde Earth Vollatlinied by the Fire. Nex Strawn.

And Milley Mand many more Objectivation of the fires that all the Milley Mand Milley Milley Mand Milley Milley Mand Milley Mil from the Sulphurous Frinciple of the Oil. That the Iran found in the Afhes of Plants, was produced there in the same manner: And, That 'the a Composition of the viriable Earth of the Plants, the Acid of those Plants, and their city or inflaumnable Prainciple.

The same Author, the better to aftertain the conflituent

Parts of Metals, made a great number of Experiments on them with the Duke of Orienn's large Burning-Glafs; the Refult whereof falls in with, and confirms the Doc-

trine laid down above.

From hole Experiments, he Guy, it appears. That the four heads which we call imperigle you. Ion, Copper, Tin and Lead, are composed of a Sulphur or oily Sulthance, ceptule of Indiamatrics, and a mentalle Earth of Manacc, expelle of Indiamatrics, and a mentalle Earth of Indiamatrics, and a mental Earth of Indiamatrics, and a mental Earth of Indiamatrics, and a mental Earth of Indiamatrics of Indi From those Experiments, he says, it appears, That the

The excellent Beerbaave, after an accurate Survey of the feveral Metals, their Characters, Properties, Propara-rious, Ufes, &c. draws the following Corollaries concern-

tions, Ufex, Gr. draws the following Graillaria concern-ing the general Nature of Metals.

1. That which distinguishes Metal from all other Bo-dies, as well as from each other, is their Heavings in You cercy Metal Bas in speculist Weight's which no Aris able to minter, and which depends, as strikenser and the Caly-milits expert is, on the Austic Homogeneiry of the Parts. Now, the latter Hainforfester have proved, that all copen-eral Magnisted has just to mech reactive in r, as Weight's real Magnisted has just to mech real the livertistic of use Metal, you have at the fame time found its Corporeits, Sir IJ: Newson treating of Gravity, and Engress of the Pendulum, flow that Weight and Reality are correspon-dent. See Walder and Gravity.

dent. See WRIGHT and URRYSTY.

2. The Mends appear to be Simple, yet are really Compounds. Their component Principles, according to the Autients, are Sulphur and Merceury; in which form of the Moderns have added Salts: but 'its certain Salt is no the Moderns have added Salts but 'its certain Salts as no conflictuat Part, or largedient of Metal, but rather forme-thing external adhering to them. All Metals confile of two Parts, or Principles; Mercary as the Bats or Matters, and Sulphur as the Binder or Cement; the first, the Sah-fitarum, or methe Matters; and the Second, that which renders it first and malleable. The Mercury, it is no bo renders i n'el and mulleuble. The hierary, ic is multe monet, in the first with on Quicklitter, only deficient, and clear of any heterogeneous Marter y whereas the common desire of any heterogeneous Marter y whereas the common the twinger fulfill Splathy. In a peculiar for all fulfill the value fulfill Splathy, but a peculiar for all fulfill the value fulfill Splathy, and best Unsmith, presidently Marter of the fulfill the splathy of Marth, concluded by forms of our least, and best Unsmith, presidently Marter of the splathy of the fulfill the splathy of the fulfill the splathy of the fulfill the splathy of the spl

cludes, that Gold confifts of a fulphurous ignious Parr, and a heavy mercurial Part fixed thereby; and that upon taking away the fulphurous orfiery Part, the Gold is converted into fluid Mercury. See Maneury.

verred into fluid Mércury. See Manciust.

3. All Metal multi first be Mercury, etrishey be Gold 3 and the thing fuperaided to common Mercury, whereby be Body, which, when heards, become corroller, and emits Funnes, which are the Properties of the fulfi Sulphan. If I any Metal, or other Body, could be found that only differd from Gold off int wanting Weight, it were the superaid of the fulfield of the sulphance of the fulfield of the sulphance of the fulfield of the sulphance of the fulfield of the fulfield of the sulphance of the fulfield of the fulfield of the sulphance of the fulfield of the fulfield of the sulphance of the fulfield of the fulf

impositible ever to make Gold of it; and, on the contray, if a Body could be had that is a beyay Gold, all the other Properties, as Colone, I Printy, Delilliny, (Sc. might castly be added. And hence the more knowing among the Arksymat's bold the primary Oltarer of Gold to be designed to the print of Gold to be a contract of the contract of Gold to be a contract of Gold to be post of Gold Gordsivi. Only there is a corrobor Body, a.t. Sulphur, addering to it, which, if it were Gold are Gold to of it is were only inversed, Silver.

And a coordingly on fact Practiples whoever would make.

Gold out of any other foreign Matter, must remember, that the more his Matter differs from Mercury in Weight, &c. the lefs Gold it will make, See PHILOSOPHER'S Stone

5. Therefore Metals are transmarable into one another: if Mercary be the common Matter of all Metals, and if for if Mercary he the common Matter of all Merd, and if all the difference is in the fising spirit or sulphay which, as it is led or mere faithful early on the size of the si

7. The imperied Measla conflict of impure Mercury and imperied Subjust, with form coher variable hearing-moon Matter in tr. Thus, field by the Fire, it emits a Func yet further. The training function of the property of

the other, and accordingly from therein.

8. Upon the whole it appears, than in the three nobler locals, foold, Mercary, and Silver, it is principally the local and the second s

Scalabrity, See.

9. That in the other bafer Mesal, befides this different Preportion of the two Principals, there intervenes another Cause of Diversity, vie. a third Principle, or Matter of an earthy kind, and very distant from either of the reft 3 which adhering to the pure elemental Sulphur, corrupts and adulterates, and variously modifies it: And from the and adulterates, and varioutly modifies it. And from the different Circumstances of this third Principle, consider'd along with those of the Sulphur infelf, result the specific differences of the more imperfect Metals as to Weight, Colour, &c.

Colour, Es.

Bail METAL, call'd also Princet METAL, is a kind of falkitions Metal, composed of the finest and purest Bersel, mix'd with Tim, or rather with fome Mineral; whereby it becomes more disposed to receive a Polish, Lustine, Es. as also fitter to be gilt. See GILDING.

Tis faid to have been invented by Prince Rupers, whence

Bell METAL, is a Composition of Copper and Tin melted gether. See Hell.

recomparation of copper and an mercea. The ordinary Technology of the Copper and a more and a more

as to their Magnitudes and weights, occ their Ule under the Word St. cross.

To be liabl under Metalt, in Gannery, is when the Measth of 2 Gun lies lower than her Breech.

METALS in Hersildy. There are two Metals sided in Hersildy, way of Colours, sinc. Gold and Solver; the fifth called Or, and the second Angest. See On and An-

In the common painting of Arms, these Metals are prefented by White and Tellow, which are the natural Co-

endure the Fire. See ENAMEL.

chairt for Fire. See ENAMAE.

F. Roment has published a Metalie History of the Popes,
Le Iranser Metallipse, is a Book of Medala motify imagi-nary, pretended to be taken from the Cabinets of the Ca-tions, where they never were, by Japate & Bie. M. Biese
A many published the Metalie History of Polland.

A PALLUNCIA, the Art of Metals, that is of prepamental properties of the Metals, the second of the Metals, the second of the Metals, the second of the Metals, the Met

ring and working Mctals, from the Globe or numera, we the Utrefils. Soc Maral.

The Membryie includes what relates to the finding of the Mentills Collect, or Cree in the Mine; it he indiges of the Mentills Collect, or Cree in the Mine; it he could not be sufficiently the digging and fearette. Proportion of Mentil increase, the digging and fearette from the Mine of the Mine and M

Pleas, pure, malleable Menal. See Mixe and Mixemati-Berbasee divides the Mendlays into four parts. The full reaches how Menals grow in the Mine, how they are full reaches how Menals grow in the Mine, how they are cond how to Feparate the Menallis from the other Mus-ter of the Ore. The third, how we reduce the feparated Matter to its finglicity and declibing. The fourth, to work, gild, polith, and imitate the first Menals in the confer-sor of Chanci into accordance with the confer-sor of Chanci into accordance with the confer-sor of Chanci into accordance with the confer-or of Chanci into accordance with the confer-sor of Chanci into accordance with the confer-sor of Chanci into accordance with the confer-sor of Chanci into accordance with the confer-sor. See Taxanova of Chanci into accordance with the confer-sor of Chanci into accordance with the confer-sor of Chanci into accordance with the confer-sor.

METAMORPHOSIS, the Transformation of Refina, or a Change into suborb Forms. Set Transformation. The Autients held two kinds of Measurephiles: The one real, the other paperare. The Metamorphiles of Imperient into a Ball, and of Meerons into an old Woman, were only appearare. That of Lyours into a Wolf, and of Author into a Spider, were of the number of the real. Boll of the attention of Memorphic include from Allegorical meanings, relating either or hydrice or Monthly.

some Authors are of Opinion, that a great part of the antient Philosophy is couched under them; and Dr. Hooke has made an attempt to unriddle, and lay open feveral of

The Word comes from the Greak usm, Change, or Re-toval from one place or flare to another; and uspen,

Form, Figure.

Form, Figure.

METAMORPHISTS, a Sell of Heretics in the XVIth
Century, whole diffinguiffing Tenet was, That the Hedy
of Jefus Chrift was, upon his Aftenfion into Heaven,
changed, and Meraworphyfed into God.

The Management of the Second of

The Metamorphists were a Branch of the Sacramentarians. Sec SACRAMENTARIAN

Sec Sacranansvaranam.
MRTAPHORA, or Mayarinoa, in Rheteric, a Ejgure of Speech whereby a Word is transferd from its
proper Signification, to student or parketly the proper
proper Signification, to student or part of the contenter
thing, which other thing is more elegand to form other
thing, which other thing is more elegand to form other
thing which other thing is more elegand to the proper belongs to it. As when we fay, the Light of the
Uncertification is to how mith Zeal is of flow the
the Company of the Company of the Company
than the Company
than

Speech; and is that usually means when we say a thing is spoken Figuratively. See Figura. The Metaphor is a fhort Simile; an Image being thereby

call'd from its proper Subject to give the refemblance of An Allegory is no more than a continued Memphor. See

ALLEGORY. The Sources or Places whence Mesaphors are drawn, are innumerable: They may be fetch'd from Divine Matters intuactorie calls Plans out 600, Desside neifer Plans. From the Elements 5 as a Torrent of Eloquence. From Plants 3 as where Virtuchas taken Rose. From Aritificial things 5 as where Applan is call'd the Combal of the World 5 Longinus, a living Library Fertinus, Fortune's Fost-

Easl, St., Quintilian diffinguishes Metaphers into four kinds: The first, when the Word is transfer'd from one Anismal to another; as when Livy fays that Gers sided to her at Gerpie: or, when our Saviour calls Hered, Tox. The fecond, when the Word is transfer of from one Insurinate to another; as bridle, for Laws. The third, when Insurinates are applyed to Anismates; as the Flower of Youth. And the bill, when Animates are apply'd to Inanimates; as the River

difdain'd its Bounds.

As the Metapher is intended to fet things before the As the Marpher is intended to fet things before the Equ it becomes formed the more perfect, as it haves them the more Wilelly, by reprefering them in Mosion of the Chip and the Chip and the Chip and the city of Nature: Nor, floudd it appear a Merapher to any but those who view it very clotly. A Merapher floud never be carried too fir; if or in that Cafe, it degenerates from the Chip and the Chip and the Chip and the Chip flower than the Chip and the Chip and the Chip and the flower than the Chip and the Chip and the Chip and the flower than the Chip and the Chip and the Chip and the Chip flower than the Chip and the Chip and the Chip and the Chip flower than the Chip and t

noter be cultivate too by! I for in that Cade, it degenerates from his of the Decome manufact, when different langer are introduced. In all Monghered Dictions, there are not introduced. In all Monghered Dictions, there were the control of the Carlon of Monghered Dictions, there were the control of Monghered Dictions, the Carlon was before good with Delaye of Tenables. When Carlon was before good with Delaye of Tenables. When Carlon was before good with Delaye of Tenables. When the indifferent so of Monghers. These was ended the indifferent so of Monghers. These was ended that the indifferent so of Monghers. They who enderthed heave the control of the control Card. Perron preferibes this general Rule for Metaphors a that they mult always defeend from the Genus to the Spethat they must always ucceed from the Geoms to the ope-cies; and never go backwards from the Species to the Geoms: Thus we fay figuratively, the Bonds of Society; and not the boncan Cords which the us together: Bond be-

and not the commission was a species.

The Word comes from the Greek waresets, Translation, and care, Theat, or carry. of diplacing of sees, trans, and see, Dear, or carry.
METAPHRASTES, or METAPHRAST, a literal
Translator jo a Perfor who renders an Author into forme
other Language Word for Word. See Translation.

A Mesphraft ufuelly fignifies fomething more than a Pa-raphrafe, or a Translation; in which fenfe, Membraft implies a Translator, Gloffographer, and Interpolator, all

METAPHYSICS, a Branch of Science, about whose Nature and Idea, there is fome difference among Authors.

Sec SCIENCE Some define it that pare of Science which confiders
Spirits and immuterial Beings; which others chufe to
diftinguish by the Name of Presmatics. See Spirits

and PREUMATICS. and FREVENTE.

Others, keeping for some first to the Exymology of the Worl, Others, keeping for some first to the Exymology of the Worl, pagin and the World in Ford of the Free foliation peaks trans. I want to the World in Ford of the Free foliation peaks trans. I want, or short a ford out Nature, or purps, Natural, or coacier Manaphife to the Water for the World I would be with time of their call foreign, or charging it, i. the Deltine & Ente, or of Being, in the general, i.e. of Being materials Being, or Singing in the Abstract. So Onvo-guarantee Being, or Singing in the Abstract. So Onvo-guarantee Being, or Singing in the Abstract. So Onvo-

quaterast Being, or Being in the Abiltract. See UNTO-LOGY and ABSTRACTION. In the fame view, fome Philosophers call this Science by the Name Philosophia or Scientia generalis, as being the Foundation, or, as it were, the Stamen or Root from Foundation, or, as it were, the Stamen or Root from whence all the other parts of Philosophy strike, and wherein they all meet; its Object being Eeing in the Abstract, or general, not restrained to this or that Denomination of them 3 not to Spirit any more than Body: So that the Doctrines of Mesaphylics, are applicable to all Beings whatever, Sce Ens.

whatever, Sec EMS.

The Philosophers again, are divided as to the Notion
of a Science de Eme, in general. Some hold it real, precife,
and folid enough to be demonstrated; nthers judge it too
obferre, faint, and confuted to be admitted into Philofophy.

Being, abstracted from every Sore or Species of Being, is certainly a very vague Term; and does nor feem to give footing enough for a Science: We do not fee how it comes to affect the Mind as an Object. Add, that the common

to affect the Mind asso Olyi-C. Add, has the common Montphifer come demonstrate say per of in Subject, but Montphifer come of consultance are not in Subject, but whereon to demonstrate Montphifer which contain the Principles of all other Sciences. See MATHEMATICA. The first who were prefetfully on the Subject of Montphifer which come of the Montphifer which come of the Montphifer which come of his Commenstrate will have to figurily no the Preparation and the french of pile, in even of policies have the World was coind by Adjutely Followers a and that I was arrestly unknown to "Affaithet," Enlowers

and that it was arresty unknown to arriveree.

Arifloric's Mesaphysics feem to have been intended for a kind
of Natural Theology. F. Malebranch and Mr. Locke have
wrote much more clearly and conflictently of Mesaphysics,

than any of the Antients. See UNITY, MODE, TRUTH, DURATION, Ec. METAPHISICAL, formething belonging to Meraphy-

See METAPHYSIC

fier. See METAPHYSICS.

The Word is also fuel to denote forneibing too fubrle, abstract, and refined. In this sense we fay, such a Reafoning, such a Proof, is too sheepy-spical, Eg. A Menophysical Case, is an imagenary or chimerical Case, which can fucure ever happen, or not without much distinctly; and which construct ever happen, or not without much distinctly; and which on signature to be laid down as a Rule for

cuity) and when sugats not to be laid down as a Rale for MTAPLASM, MYATALAMAY, in Grammay, a MTAPLASM, MYATALAMAY, in Grammay, a Transfunction, or Change made in a Word, by adding, reading to the control of the MTAPLASM, and the MTAPLASM, and MTAPLASM, in Medicine, from servation, resulter, MTAPLASM, in Medicine, from servation, resulter, Longo, or enrow, lignifica the Removal of a Human territor of the MTAPLASM, and the refract Blood things of seglected Marter from one part of the servation of the MTAPLASMA, and the servation of the MTAPLASMA, and MTAPLA

The Word comes from jurns, trans, and respect, pest, foot.
METATHESIS, Transposition, a Grammatical Figure,
whereby the Letters of a Word, or the Words of a Sentence, are transposed, or finited out of their natural Situa-

tence, are transpoted, or initied out of their natural situa-tion. See Transpostyrion.

The Word comes from the Greek paradians, transposition.

METEMPSY CHI, antient Heretics, who, in limitation of Pythogram, held the Metemptyleshift or Transmigration of Souls. See METEMSSYCHOISE.

METEMPSYCHOSIS, in the antient Philosophy, the Paffage, or Transmigration of the Soul of a Man, after Death, into the Body of sume other Animal. See Trans-MIGRATION.

MIGRATION.

Pythogers and his Followers held, That after Death
Men's Souls patted into other Bodies, of this or that kind,
according to the manner of Life they hald led. If they
had been vicious, they were imprificial in the Bodies of
Hadson, miferable Beatit, there to do Fenance for feveral Ages; at the Expiration whereof, they returned
after his oaimuse Man: If they had lived virusoully, fome happier Brute, or even a heman Creature, was to be their Lot. See PYTHAGOREANS.

What led Pythageras into this Opinion, was, the Perfun-fion he had, that the Soul was not of a perifhable nature: fion be had, that the Soul was not of a periliable nature; whence be concluded, that it must remove into fome other Body, upon its abandoning this. Learn treats this Dectrine as a kind of officious Lye, centrived to mingate the Apprehending of Death, by periading Men that they only changed their Lodging; and ccafed to live, to begin a new Life

a new Late.

Reachin desires this DuGrine; and maintains, that the
Metempfyebyli of Pythegeras imply'd nothing more than a
Similitude of Manners, Defires, and Studies formerly exiling in forme Perfon decended, and now revived in another alive. Thus, when it was faid that Espherbas was ther alive. Thus, when it was tast that Reposition was revived in Pylakoyan, no more was meant than that the martial Vittee, which had flone in Rephrake at the time of the Toylon War, was now in forme measure revived in Pylakoyan, by reason of the great respect he here to the children. For those People wandring, how a Philiospher should be so made taken with Men of the Sword, he palliated the Matter, by faying that the Soul of Euphovius, i. e. his Genius, Difposition and Inclination, were revived in him. And this gave occasion to the Report that Euphorbu's Soul, who perified in the Trojan War, had tranf-

migrated into Pythagoras.

Fisher affects, That what Plate speaks of the Migration of a human Soul into a Brute, is intended allegorically; of a human Soul into a Brute, is ferended allegorically, and like-mode electron sectority to the Missenter, Affections, and Like-mode and the sectority of the Missenter, and Like-pointies of Vice. Servanse, the he allows form force to this laterpretation, yet inclines rather to refer the Moren-physhop to the RefurerClino. See Resuman errors. Physical to the RefurerClino. See Resuman errors. Metaphyshop from the Expision, others fay from the sa-tions Disabletters of India and Colonial and makes the and other Indiators of India and Colonial and makes the

and other toolsters of main and come a and makes the principal Foundation of their Religion. So extremely are they bigotted to it, that they not only forbear cating any thing that has Life, but many of them even refuse to de-

fend themselves from wild Beasls. They burn no Wood, left fome little Animalcule should be in it; and are so very charitable, that they will redeem from the hands of Strangers, any Animals that they find ready to be killed.

Strangers, any Ammais that they find reasy to De Kitted.

Ee Baacamans, Basians, &c.

The Word is Greek, form'd of parel, si, and Yuygh, Smil.

METEMPTOSIS, a Term in Mathematica, particularly used in Chronology, experting the folar Equation,

necessary to prevent the new Moon from happening a

Day too late; as, on the contrary, Procupyish fignifies the

Day too late; as, on the constray, Presspell figuities the busine Equation, encellary to preven the new Monof from happening a Day too flow. See Facasar Yours. The new Moon comming a life bookwards, that is, The new Moon causing a life bookwards, that is, The Constraint of the Constraint of the Constraint of the Constraint of the Monosophia, a Bayir as added every you Years, and another every 400 Years. On the other hand, by the Monosophia, a Bidicardie in (upperfied each 11st, Years, that is, there times if 400 Years. The following the Park Internations are in the Constraints of the Constraints

Chiendre cat's,
There are three Ralas for making this Addition, or
Supperfilms of the Billication Dry, and by confequence for
Supperfilms of the Billication Dry, and by confequence for
Monteparly without a Prompting, the next following, nor
lower lacks, must be taken. 2. When there is a Prories lacks, in or be taken. 3. When there is a Proticulated, in the bettern in Additional Contensagell and a Prompting, or when there is both abtensagell and a Prompting or when there is both abtensagell and a Prompting or when there is not included.

When the prompting of the properties of the Monteparly of the
White Dry on the Conference of the Monteparly of the
Monteparly significant when Bright less
Monteparly significant less than the Monteparly significant less tha 1900 there will be a Meremptofit again, when B will be taken, which will be preferred in 1000 3 because there will then be neither the one nor the other. This is as far as we shall need it. Clapius has calculated a Cycle of gar as we mall need it. Carrier has carriered a system agos of Years; at the end of which Period, the fame Indices return in the fame Order. See Eracr.

The Word comes from the Greek wern, post, and sixtue.

METEOR, in Physiology, a mixed, moreable, crude, inconfiant, imperfect Body, or Semblance of a Body, appearing in the Atmosphere, and formed out of the Matter of the common Elements, altered a little, but not transformed.

formed.

Martin or of these Kude. Ignora, or fery beMartin of the finishmen Smither for a Ther jackmark Lightney, Therefore, the There is a series of the Committee of the Committee of the Committee See Theorem and Level or the Committee of the Committee See Theorem and Level or the Committee of the Committee See Martin and Committee of the Committee of the Committee See Warn, Hernarcana, Gen., Martin and Codd for the Committee of the Committee o

Snow, Rain, Dew, &c.
The Formation of Marsons is explained pretty largely by Des Carres, in a Treatile express. Ariffeele and Gaf-fender have also handled the fame Subject. Dr. Woodward's Opinion is, That the Matter of Mercers is in great smarly Opinion is, That the Watter of Metawar is in great measture of a mineral nature; That the mineral Patricles measture of a mineral nature; That the mineral Patricles faltertraneous Hear, tegether with the Vapous afcending from the Abrig, and pervading those Stratus, especially at fach times as the San't Heat is fufficient to pear-rate the exterior Patric of the Earth, and to make room for their Estaye into the Annosphere. Thus fulpharons, introduced the supervision of the supe nitrous, and other active and volatile mineral Particles, form various Meters, according to the various Fast element with in the Air. See Vapour, Exhauation, Minerala, Air. Se.

The Greeks call them purises, q. d. Saklines, or high-sailed, but also becomes a second of the control of the con

tailed; the Latins, Impressiones, as making Sigus or Im-pressions in the Air.

METEOROLOGY, the Doctrine of Messer; explain-

g their Origin, Formation, Kinds, Phonomena, &c. See

METEOROSCOPE, a Name the antient Mathema-ticians gave to such Infroments as they used for observ-ing, and determining the Distances, Magnitudes and Places of the heavenly Bodies.

From the Greek unrings, high; and surrouns, I view,

offere.

METHEGLIN, a Liquor, or Drink prepared of Honey; one of the most pleasant and general Drinks the Northern part of Europe affords; and much used among the antient lababitants. See DRINK.

There are divers ways of making it. One of the best whereof follows. Fut as much live Honey naturally

444

In the comb, him Spring-Water, as that when the Electry's thereughly disposed to the Electry's thereughly disposed to the Electry's thereughly disposed to the Third Electry the Electry's the Electry's the Electry's the Electry's the Electry's about the the Electry's about the threath of a Cross 1, when very cool, of Clores, and half as much Cleanness, all goodly beamed of Clores, and half as much Cleanness, all goodly beamed as the Electry's Welch, Meddyglyn

Wites, Medogypu.

METHOD, the Art, or Rule of disposing things in fach a manner, as they may be cassly comprehended; either in order to discover the Truth, which we ourselves are ignorant of; or to prove and demonstrate it to others where known. See Tauvyn and Ernon.

METHOD is twofold. The one of Refulation, which is

that we generally use in our Enquiry after Trath. See RESOLUTION. The other of Composition, by which the Truth once found, is taught or imparted to others. See COMPOSITION. COMPOSITION.

In the MEXTHON of Refolution, call'd also by Geometers the Analysic Method, we proceed from some general, known Truth, to others which belong to some particular or singular Thing. See ANALYSIS.

In the MEXTHON of Composition, called also the Symmetric Methods of the Symmetry of the Symme

there Method, we propole fome certain, general Truths, from which we deduce particular Truths. See SYN-If in the Method of Refolution we propole any Maxims 3 'its not firmediately in the beginning, and all togethers, but as they are found necessary in the Disquisition: On the contrary, in the Method of Composition, they are propoled all together in the beginning, before there is any

abfolute need of then abloluse need of them.
Thele two Method differ from each other, as the Methods of fearching out a Genealogy, either by defeending from the Ancelorus to their Podriety, or by afceading from the Policity to the Podriety, or by afceading from the Policity to the Ancelorus both of them have this in common, That their Progredien is from a Thing known, ro another unknown. Those Things that are known, in each, are fer in the front, or first place; that by them we may be able to arrive at those which are nos known. The following Things are required in both, that

Error may be avoided.

1. That so Proposition be admitted as true, to which a Man can, with a good Confeience, deny his Affent; or which is not evident.

2. That the Connection of the following Proposition, with the foregoing in every step of the Progretion, be likewise evident or necessary. To these Progrettion, be likewise evident or accessary. To thele may be added two other practiculal Maxims, that hold good in each Method: As, that we ought to reason on those Things only, of which we have clear and perspections (decay or of observe Things only, to far as we know them; and that we should always begin from the simple and eafy, and dwell on them a-while, before we proceed

and cally, and dwell on them a while, before we proceed to Things compounded, and more difficult.

As to the Laws poculiar to Rejulation, they are, t. That we must clearly and perfectly underlyand the Size of the Queftion propoled.

2. That with fome Energy or Effort of the Mind, one or more intermediate I cleas be differently, which are to be a common Pleafure of Size. dard, by whose help the relations between the Ideas to be dard, by whole help the relations between the ideas to be compared are to be found out. 3. That we cat off all that has no neceffary relation to the Truth fought after from the thing which is to be the Subject of our Cond-deration. 4. That the compounded Queffion be divided into parts, and those feparately considered in such Order, as that we begin with those which consist of the more simsus parts, and those tepartety consider in slock Order, poly ledges, and several problems, and stability as the several problems, and the several problems and cutability of property or marked on the visual and cutability of property, or marked on the visual and cutability of problems, and the several problems are several problems, and the several problems are several several problems. over as out of our reach.

The Symbetic Method, or Method of Composition, is only practicable in things, whole Principles we perfectly know;

as in Geometry, which is wholly employ'd in the Confi-

decation of abstract blodes; of which our Mind has clear and adequate Ideas: But when the Enquiry is into Sal-finness, as in Physics, we cannot make use of the Method of Compossions to us.

known to us.

This Albert has not been by say fo julty and accuracy. This Albert has not been by say for julty and accuracy to the accuracy of build only on evident and clear Principles, fuch as could not be contradicted by any who underflood them; for which reafon they first of all proposed their Maxims or Axioms, which they demand to be granted them, as being felf-evident, and seeding no Proof. 3. To prove demonstratively all their Configuences; for which reason they use nothing in their Argaments or Proofs, but Defi-nitions that have been fall down, Axioms that have been

names and nave been taid down, axioms that have been granted, and frepositions that have been already proved; which become Principles to things that follow them.

The Word Merbed comes from the Greek wish 6%, which fignifies the fame things: The Schools have a long time diffpated, whether Logic be an Art, a Science; or a Merbed,

Gaffendus diffributes Method into three Kinds or Branches

Goffender diffributes Arthol into three Kinds or Bracebe, so. Medout Internation, Medoud Intensition, ordifications, and Touchastoness. See Investigation of Internation of International Conference on Propulsion Propulsion See International Conference on Propulsion Propulsion See International Conference on Propulsion Propulsion See International, or of Domografication 5 American Conference on International Conference o

METHOD of Fluxions.

METHOD de Maxonis & Mini- MAXIMIS. mis, &c. METHOD of Tangents.

Scc TANGENTS.
DIFFERENTIAL
EXPONENTIAL. DIFFERENTIAL Method, &c. S METHODICA Medicine. See Medicine and Physic. METHODISTS, METHODICI, an Appellation given to those Physicians who adhere to the Deckrine of Galen, and the Schools; and who cure with Bleedings, Purges, &c. and the Schools; and who cure with Bleedings, Parges, gre. duly applyd according to Symptoms, Greenfilance, gre. in opportunion to Emperics and Chymlift, who use violent Medicines, and pretended Secrets or Nostroms. See EMPRING. CHYMIST, gre.
METOCHE, in the antient Architecture, a Term used by Varionian to lignify the Space or Interval between the

Dentils. See DENTICLE.

Dentils. Set Districts.

Radiate abilities, what is an ancient MS. Copy of that A. Radiate abilities, what is an ancient MS. Copy of the A. Dentile rakes excellent to flight that the common Text of Primiting in correctly, and conclude, that is flooded not be reprinted to correctly and correctly, that is flooded not be regarded by the control of the A. METONIC Cycle, in Chronology, the Lame Cycle, or Period of 19 Years, thus call I from its levener. Meeting a material robustion, 500 Covers and Francis.

METONIC Cycle, in Chronology, the Lame Cycle, or the New and Hill Moost reamon in the fame Day of the Moonth, in the control of the Cycle of the Cycle of the New A. Meeting o

when the manner of feetings the Time for oblerving Eafter was effablished, she have more the collection of Nature inferred in the Calendar in Letters of Gold, on account of their great Ufe 5 and the Year of the Cycle for that Year was call'd the Golden Namber of that Year. See Golden

This is fometimes also call'd the Lange Cycle, or Period. Sec LUNAR Cycle

METONYMY, a Figure in Rhetoric, call'd also Hy pollage and Transminos 10. It confifts in a trun change of Names, or putting of one Name for another.

Sec FIGURE. The Meronymy is the most extensive of all the Tropes. See TROFE-

There are four principal Kinds of Mesonymies: The first, There are tour principal kinds of Nettonymid: 1 no first, when we put the Inventor for the thing invented; as Execution for Wine, Cores for Bread. The fectond, when we put the Containing for the thing contained; as a Class for the Wine within it. The third, when the Effect is put for the Cause as at the Captain for his Soldiers, Greece for the Greely, the Author for his Works. The fourth, when the Sign is put for the thing fignified; as the Gown for the Priest-

d, Se.
The Word comes from the Greek pure, trans, and inque, Nomen.

METOPE, or METOPA, in Architecture, the later-val, or square Space between the Triglyth, in the Friezo of the Dirac Order. See Thurster and Plazza.

The Antients used to adom these Para with careed Works, or Paintings, representing the Heads of Oxen, Vessells, Basens, and other Utensia of the Heathern Sa-

crifices

crifices.

At there is found form edifficulty in diffeoling the Triglybts and Menges in that jul Symmetry which the Doie
Other requires; Spines Arbitectis and six is Kule, never
Other requires; Spines Arbitectis and six is Kule, never
Spines and State of the State of the State of Spines
Spines (Spines and Spines Spines and Spi

the Lines in their Faces.

Metapology is no more than a Brunch of Physiognomy; the latter taking its Conjectures from all parts of the Body; a But both the Body, and the Branch are extremely precarious, not to fay vain. See Physiognomy.

From, not to fay vaim. See PHYSTOCHOMY.

Gire Sponient, who has wrote on the Subject of Merspojsepp, obterves, that there are feven principal Laws confider'd in the Forehead 3 cach of which has its peculiar Planet. The first is the Law of Satura. The fecend of Ja-

pace, occ.

The Word comes from the Greek persons, Vultus, Face, and solvinus, infficie, I view.

METRE, or Mazrak, a Term in Poetry; form'd of the Greek pales, Menjura, and Ignifying Verje, or Meajure.

See Varies and Mis arvan.

Marical Veries are before confliction of a determinate Name.

Merseal Verfes are those conflitting of a determinate Num-ber of long and shore Syllables; as those of the Greek and

Det of tong and Have Opinions. J. Laim. See Quantity. Capellus observes, that the Genius of the Helvew Lan-guage is incompatible with Metrical Poetry. See Ha-

METRICE, among the Antients, was that part of their Music employ'd about the Quantities of Syllabies; or which confider'd them as long, or short. See QUANTITY

and Music. METROCOMIA, a Term in the antient Church Hi-ory, fignifying a Town that had other Towns under its

What a Metropolis was among Cities, that a Metrocomia was among Country-Towns. The antient Metrocomies had

each its Cherepicopus, or Rural-Dean, and here was his See or Refidence. See Merra propie and Chorieriscorus. The Word comes from the Greek pulsu, Mother, and zalpus, Town, Village. xó/xii, 'I own, Yitlage. METROPOLIS, the Capital of a Country, or Province; or the principal City, and, as it were, the Mother of all the reft. See Carv.

The Name is also apply'd to Archiepiscopal Churches 5 and fometimes to the principal Church of a City. See

Father Monet gives a complext Lift of all the Metropoles.

See METROFOLITAN.

The Word comes from the Greek wifet, Mater, Mother; and easy, Urbs, City; as who should fay, the Mother-

METROPOLITAN, is indifferently applied to an Arch-biftop, and to his Cathedral Church. See ARCHBISHUP and CATHEDRAL.

and CATREDRAL.

The Roman Empire having been divided into thirteen
Diocefea, and 120 Provinces 3 each Diocefea and each Province had its Metropolit, or Capital City, where the Proconful, or the Vicar of the Empire had his Refidence. See Diocass and Proconsuit

By this Civil Divition, the Ecclefiaftical was afterwards By this Civil Divition, the Ecclefishtical was atterwared adjutted; and the Bifthon of the Capital Civy, had the direction of Affairs, and the Pre-commence over all the Bifthops of the Province. His Redidence in the Metro-polis, gave him the Title of Metropolatan. This erection of Metropolatas is refer'd to the end of the third Censury, and was confirmed by the Council of Nice.

Archbishop User and de Marco, however, maintain it to be an Effablishment of the Apostles 3 but in vain: For 'tis next to certain, that the Ecclesiastical Government was regulated on the fower flux Girls, and thin it was because the Name and Amburity of Marchine was given the Billipps of the Capital Girls of the Empire, or the Provinces that com-ported it. This is former, that in the Connett between the Billipps of Artle, and the Billipps of Fireme, each of whom laid claim to the Moneyalamipp of the Porvince Girl-cowe; the Council of Toria appointed, that which elver of them could prove the Giry to the Girl Miteropolis, book only the Trite, and Wights of Exclinitical Menopalana.

The the Ecclefishical Government was modell'don the foot of the Political; yet in Gard, and fome other Counnoor of the Political's yet in Gast, and Ione other Countries, the diffurctions of Metropolitica and Primate were not observed till very late. As the Profession Gallie refided by turns at Trees, Frenne, Alex, and Lyan, he communicated the Rank and Dignity of Metropolitics and Primate to each of them in their terms. careed the Hank and Dignity of Merapethan and Primate to each of them in their timp, and yet none of the Gillician Bifhops affamed to themfelves the Rights, nor even the Precedence of Merapithans. The Epifopaper levelld them all is and asso Order, they had no regard, but to the Privi-leges of Seniority. This Equality latted all the fifth Century, when the Contell between the Bifhops of Prisons and Acids was fet on boot.

and Arles was let on hoot.

M. de Pen obliveres, that in the Provinces of Africa, excepting those whereof Carthage was the Metropolis, the place where the most aged Bishop resided became the Metropolis. The Reason of which without doubt was this that neither the Proconful, nor Prefectus overfix'd their

Ref

Refidence.

The fame Author observes, that in As there were Metropolis's merely nominal, that is, which had no Suffragan, nor any Rights of Metopolisma. The Bishops of Nice, Chalcedon, and kerytni, had the Precedence of the other Bishops, and the Title of Metopolisms, without any other Rights of Precognitive Edicks the Honour of the Appellation; they themselves being subject to their Merrepalitans.

A Menopolitan has the Privilege of Ordaining his Suffragans; and Appeals from Sentences passed by the Suffragans, are prefer d to the Merrepalitans. See Bisnor and

The Jefuit Contel had began a Hiftory of Merropoles; but I no joint Cased had began a Hittory of Servepoler; but dy'd e'er he fecond Volume was findhed. MEZZANINE, a Term ufed by fome Architects to fignify an Entrefole. See ENTRESOLE. The Word is borrowed from the Ladans, who call Mea-

zanni thofe little Windows, lefs in height than breadth, which ferve to illuminate an Attic, or Entrefole.

with free to illenieure as Ante, or Entrolle.
MEZZO-TIVIO, in Sculpture, a princialst manner of
Engraving Figures on Copper. See Exceavaise.
Messe-Tare is fail to here been fitth intended by
Messe-Tare is fail to here been fitth intended by
The see that the seed of the

This done, the Defign is drawn, or marked on the fame Face: after which, they proceed with Baraifhers, Scra-pers, 5% to expunge and take out the Deats or Furrows in all the parts where the Lights of the Piece are to be; and that more or lefs, as the Lights are to be itronger or fainter: leaving those parts black which are to represent the Shadows or Deepnings of the Draught.

MIASMA, from units, impame, I infect; is made ufe of to figurity fuch Particles, or Atoms, as are supposed to

of to aganty tuch Particles, or Atoms, as are lapposed to artic from differenced, partifying, or poisonous Bodies, and to affect People at a diffance. See Contacton. MICHAELMAS, the Feath of St. Michael the Arch-angel, held on the 29th of September. See Quanter-DAY.

MICROCOSM, a Greek Term literally figuifying Little
World; chiefly understood of Mar, who is so called by
way of Emisency, as being an Epirome of all that is wonderful in the great World, or Macrocosm. See Macro-

The Word is formed from the Greek mages, parsus, little ;

nd zeruce, Munder, World. .
MICROGRAPHIA, MICROGRAPHY, a Description of the Parts, and Proportions of Objects, that are too fmall to be viewed without the Affiliance of a Microscope. See Microscope. Dr. Hook's Micrographia is in much officem

The Word is compounded of pages, parent, and yespe,

The word is Compounded of meets, purest, and yessel, ferpin, deforptic.
MICROMETER, an Aftronomical Machine, which by means of a very fine Strew, ferves to measure extremely finall Dillances in the Heavens; as the apparent Diameters of the Planett, the to a great degree of Accaracy. See

The Word comes from the Greek puress, parent, and puress, Menfora; in regard a finall Length, e.g. an Inch, is hereby divided into a vatt number of Parts, e.g. in fome, 1800; and in others more.

There is fome Controverly about the Invention of the Microweter. Meff. Aroust and Piears have the Credit of it in common Fame; as being the first who published it, in the Year 1665. But Mr. Tometry, in the Fishispheia Translations, reclaims it for one of our own Countrymen,

Mr. Gafesyne. He relates, that from some scatter'd Papers and Letters of this Gentleman, he had learnt, that before our Civil Wars he had invented a Mecsester, of as much effect as that since made by M. Magos, and had made afe of it for fone Years, not only in taking the Diameters of the Planets, and Diffances upon Land, but in determining other Matters of nice Importance in the Heavens; as the

MIC

the Flaser, and Dilineare upon Land, but m determining other Natures of the Inpresses in the Ilberton's as the Ilberton's and Ilberton's Aller of the Ilberton's Il

of our Countryman, Mr. Gafesyne, which is prior by many Years to any of them.

Construction and Use of the MICROMETER. Wolfins deferibes a Micrometer of a very eafy and firm-

1. Woffus deferibes a Moreowere of a very eafly and fimple Struckture; first contrived by Kirchin.
In the Focus of a Telefeope fix a Braif or Iron Ring A B, (Tab. Ars nowary, Eg. st.) with Fernale Secress diamertically opposite to each other. Into thefe infert Male Screws CE and F B, of fach Length, as that they may be trained in the Tube, fo as to tooch each other. And with this In. firument very finall Spaces in the Heavens may be accu-

For when any Objects, viewed thro' a Tube, appear con-tiguous to the Screws; if thefe be turned till they just touch two opposite Points, whose Dislance is to be measured, it two oppoints Points, whole Dillance is to be meafured, it will be evident how many Threads of the Screw they are apart. To determine how many Screwals the Reverse, sum the Screws, till they touch two Points, whole Dillance is already accurately known; and observe the Number of Threads courselponding to that lutered. Thus, by the Rule of Three, a Table may be made of the Second corresponding to the

a Table may be made of the Seconds correlponding to the feveral Threads; by means whereof, without more ado, the Diffances of any Peints may be determined. a. The Structure of the Meroweter now chiefly in Ufe, with the Manner of fitting it to a Telefcope, and applying it, is as follows :

ABCg (Plate ASTRONOMY, fig. 12.) is a Rectangular BraisFrame; the Side AB being about three luches long, and the Side BC, as likewise the opposite Side Ag, about fis luches; and each of the three Sides about, for an Indi-deep. The two opposite Sides of this Frame are screwed to the Circuit When the menimed bearing.

deep. The two opposite Sides of this Frame are recewed to the Circular Plate, to be mentioned hereafter. The Screw P, which basexaelly forty Threadsio an Inch, being turned round, moves the Plate GDEF along two Grouves made near the Tops of the two opposite Sides of the Frame; and the Screw Q having the same number of the Frame; and the Serew Q having the fame number of Threads in an Inch as P, moves the Plate R N M Y along two Grooves, made near the bottom of the faid Frame, in the fame Direction as the former Plate moves, but with in the fame Direction as the former Plate moves, but with only half the Velocity of that other. Thefe Serows are turned both at once, and fo the Plates are moved along the fame way, by means of a Hundle turning the endleft Serow S, whole Threads fall in between the Teeth of the Pinions on the Serows P and Q: And note, that two half Revolutions of the endleft Serow S, earry the Serow P

exactly once round.

exactly once round.

The Screw P turns the Hand # faften'd thereto, over a bundred equal Divisions, made round the Limb of a circular Plate, to which the above named two opposite Sides of the Frame are ferrow 'l at right Angles. The Teech of the Pinion on the Serve P, whole Number is 2, take into the Teeth of a Wheel on the back-fide of the circular Plate, Teeth of a Wheel on the back-field of the circular Plars, which Number is 3-3 Again, and havin of this Wheel is wheel Number is 3-3 Again, and havin of this Wheel is Wheel, moving about the Center of the circular Blanc, one the causfide thereof is having so Teeth. This last Wheel moves the felfer Hand Sence round the above mentioned moves the felfer Hand Sence round the above mentioned moves the felfer Hand Sence round the above mentioned moves the felfer Hand Sence round the Again the Manual Sence and the M is 505 therefore this Wheel with 50 Teeth, will more once readd in the time that the Wheel of 20 Teeth moves 25 times round; and confequently the Serwe P, or Hand A, muit move a hundred times round, in the fame time as the Wheel of fifty Teeth on the Hand b, has moved once roand.

Hence it follows, that if the circular Plate W, which is Hence it follows, that it the circular Mate W, which is thread at right adaptes on the other circular Piate, be di-fitted at right adaptes on the other circular Piate, be di-tabled in faithful, will move five of those Parts in the Jamedic in shirtled, will move five of those Parts in the Jamedic in shirtled, will move five of those Parts in the Jamedic J

may be known.

Jarther, finesc each of the Secon P and Q, here coact.

Jarther, finesc each of the Secon P and Q.

Jarther, finesc each of the Secon P and Q.

Jarther, finesc each of the Second P and Q.

Jarther, will mave one lack, while the Hand a moves form your cond of the Divificant count of the Second P and Q.

Jarther will be the first fine fine first a lack, while the Hand moves over one of the Divificant count of the Second P and Q.

Limb of the circular Place W: And the under Place KNA X will move half so lack, the conditional properties of an lock, and the cen thousing the Year of an lock, and the cen thousing the Year of the Second P and Q.

Jarther way, in the fair rejective. Time, second substitute of the Second P and Q.

Jarther way, the fair rejective. Time, second substitute of the Second P and Q.

Jarther Research of the Second P and P and

fame way, is the fail refjective Times. Hence, if the nuclear Fixes, have used Fixes, have used Fixes, between the Ball Rene, if the nuclear Ball Rene is moveable, together with the whole Informent, except the information of the Rene Information, except the Fixes A B III, as invention the trint functoh Edge II I of the faced Fixes that III, as invention the trint functoh Edge II I of the faced that the Rene III of the Rene II of the

Edge III of the currow Flue A BIH kixed to the Frame, and D E of the moveable Place, will appear thm the Te-lefcope equally to approach to, or recode from each other. By their Regeave of fails to balle to measure the apparent Diameters of the Sun, Moon, &c. the Manner of doing which take as follows:
Suppose is looking at the Moon thm' the Telefong, you have turned the Mandle till the two Edges D E and III, her turned the Mandle till the two Edges D E and III.

are open'd, so as just to touch or clasp the Moon's Edges; ase opend, fo as juit to coach or clafe the Monot Edgest and tract there was eventy one Revolutions of the Hand e, to complete that opening. First fay, As the fixed Length of the Object Glotta, which impose to refer, it is Realise, foir it link to the Clargett of the Object Glotta, which impose to refer, it is Realise, foir it link to be call angent of an Angle Cabended by a link in the Focus of the Object Glotta, which will be found as Min. to Sec. Again, because there are exceptly as Threads of the Service Injuries of 3°, "or best Angle Glotta and Carlo and

21 Reculation frost The Andrew will be, 15 Mic. 8 Sec. And Gaic was in Moon's apparent Dimenters of and from you have apparent Dimenters of any other Objects be taken.

It must be been exclired, that the Divinition on the Tigo. I want to be seen chieved, but the Divinition of the Tigo. I want to the Server, with diagonal Divinions of Inches against them. Thus set to his! Plans the Lind Plans against them. Thus set to his! Plans the Lind Plans of Inches against them. Thus the his like along, where Divinions must be made to the Server by means of two Servers. These diagonal plans of two servers, and the servers, and the servers of the Servers, and the Servers of the Servers, and the Servers of the Server to flow how many there are in an Inch, or the parts of an

Mr. Derham tells us, that his Merameter is not, asufually, to be put into a Tube, but to measure the Spectres of to be put med a l'ube, but to mediore the Specifies of the Sun on Paper, (of any Radius) or to mediure any part of it. By this means he can easily, and very exactly, with the help of a fine Thread, take the Declination of a folar Spot at any time of the Day 3 and by his balf-Seconds Watch, mediure the diffance of the Spot from the Sun's Kallers of Wellers Limb Eaflers or Weilern Limb.

EASIGN OF WESTERN LIMBS.

MICROSCOPE, or ENGISCOPE, a Dioprical Instrument, by means whereof very minute Objects are represented exceedingly large, and view'd very distinctly seconding to the Laws of Refraction. See Represented.

Maryloper are properly dilinguished into fimple, or finite; and compound, or double.

The Surple are those which confit of a fingle Lens, or a fingle Spherule: The Compound confit of feveral duly combined. See June 1.

combined. See LENS.

As Opiks have been improved, other Varieties have been contrived, in the forts of Miersfeepes: Hence Refielding-Miersfeepes, Water-Miersfeepes, &c. See Reflec-TING, Uc.

When, and by whom Microfespes were first invented, is not certainly known. Hayrens tells us, that ane Drebbel, a Dunchousn, had the first Macrofespe, in the Year 1621; and that he was reputed the Inventor of it: tho' P. Fantama a

Screw P moves four times round, in the time that Wheel Neupolinan, claims the Invention to himfelf, but dates it is moving once round. Further, fince there is a Taion from the Isane Year. As a Telefoops inverted is a Mirror wo which takes into the Teeth of a Wheel, whole Nomber Jopeys the Difforcery major easily roungly have arole from ence. See TELESCOPP.

Familiarias and Theory of Single Microscores.

If an Object A B (Tab. Optics, Fig. 21) be placed in the Focus of finall correct, Lens, or a fimple Messingne D E, and the Eye be applied clofe to the criter fiele of the Microsloop, the Object wile be close adjust, in an ered Standard and an applied in the Rains of the Object wile be considered in a credibility of the Computer of the Fost to the Computer of the Co

the diffrance wherein Objeth are to be placed to be feen de-finitely with the market Bye.

Deus- For the Objeth A B being placed in the Foras of the convex Lorso B E, the Rays sitting from the feveral Points thereof, after Refraction, will be parallel to each other. See Larson and Revnaction. Confequently the Eye will fee it definitely, by vitrou of what is proved under the Word Tw. the Word TELESCOPE Further, fince one of the Rays A F proceeding from the Point A, after Refraction, becomes parallel to the incident

Ray; and therefore, fetting ande the thickness of the Lens Rays and therefore, coming and the fame holds of all the other Rays carried to the Eye: the Rays AF, and BF, to which the reft coming from A and B are parellel. will enter the Eye in the fame manner as if they enter'd without passing through the Lens; and will therefore appear evell; as if the Lens were away. See Vision.

Laftly, it is manifest that the Object A B will be feen under the fame Angle as if view it by the naked Eye. But fine it appears very diffinely, shereast to the naked Eye, as the fame diffinely, shereast to the naked Eye, as the fame diffinely, it would appear extremely confused, it is the fame thing as if the Object Bundlel from removed to the diffance F H, wherein it is viewed with equal diffineling and under the fame Angle. The Diameter of the thickness, anduncer the fame Angle. The Diameter of the Object A B, therefore, will be to the apparent Diameter IK, as F C to F H, i.e. as the diffunce of the Fores of the Lens to the diffunce wherein an Object is to be placed in order to view it diffically. See Magnitudes and

Haygens takes it for granted, that an Object feen with the naked Eye, is then in its atmost diffinencia, when feen at the diffance of 8 Digits, or tenths of a Foot; which agrees pretty near with the Observations of others.

Laws of Simple Michoscopes.

Less of Single Microscops.

1. Simple More/sopes magnity the Diameter of the Object A B in the Ratio of the diltance of the Poses F C to an interval of 8 P Bigs. vs. p. f the S-mi diameter of a Loss coavex on both fides be balf a Digit A B : 1 K = \frac{1}{2} \text{ Min S - 1 T is flat is, the Diameter of the Object will be increased in a fedecaple Proportion, or as faxeen to

one.

2. Since the diffance F H is conflant, vie. 8 Digits, by how much the diffance of the Focus, F C is fmall-r, to much the finaller Ratio will it have to F H; confequently the Diameter of the Object will be fo nuch the more mag-

3. Since in Plano-convex Lens's, the diffance of the Fo-cas is equal to the Diameter; and in Lens's course on both fine, to the Semi-diameter; finally Monofesses will en-large the Diameter for much the more, as they are Seg-ments of finaller Spheres.

4. If the Diameter of the Convexities of a Plano-convex Lens, and a Lens convex on both fides, be the fame, wie == 15 the Diffance of the Focus of the first will be 1; of the fecond 2. Confequently, the Semi-diameter of the Ob-ject A B will be to the apparent one in the first Cafe as 1 to 8, in the latter as 2 to 8, i. e. as 1 to 16. A Lens, therefore, savex on both fides, magnifies twice as much as a Planeconvex

As the whole depends on the just and steady fituation of Objects with regard to the Lens, various Methods have been contrived to that end: Whence we have feveral different kinds of fingle Meroylopes. The most simple is as follows.

as follows: Fig. 2. is a little Tube, no or of whole Bafer Bc. is find a plain Gift, to which no Olycle, one as Gora, Wing of an lockel, Down, or the like, is applied. To the other Bafe, AD, as a peoper diffusor from the Olycle is applied a Lons cowex on both fides, whole Semi-diameter is about half un labe. The plain Glfs is nared to the San, or the Light of a Caselle, and the Object is commissioned the Commission of the different Spheres may be used

different Spheres may be wied.

Again, a Lens, convex oo both fides, is inclosed in a
Cell AC, and by a Serew H there fairened a-ceofs; before
be Pedefall C D paties a long Serew, by mensor whereof,
and the fermale Serew, I, a Style or Needle fix'd perpedicular to its exerrem, is keep firm at any distance
from the Lens. In Et a Inti-Tobe, on which, and
on the Point G, the various Objects are to be disposed.

Thus there may be Lens's of various Spheres applied.

2. But the Margiege which it founds unfwer the end bett,
is as follows: A B, B, 2s, 2s, 3s around Bruit Thub, whole
extreme Surface is formed into a Skrew of a length founwhat left than the diffuser of the Posus of a Glas convex
what left who the diffuser of the Posus of a Glas convex
of the convergence of the Convergence of the Convergence
and the convergence of the Convergence of the Convergence
and the convergence of the Convergence of the Convergence
and the Convergence of the Convergence of the Convergence
and the Convergence of the Convergence of the Convergence
and the Convergence of the Convergence of the Convergence
and the Convergence of the Convergence of the Convergence of the Convergence
and the Convergence of the

FG is another Brafs Tube; fomewhat wider than the F G is asocher Brifs Tube, fonceulus wider than the first, and open cate way for an Object to be apply to us the Manipore. To in upper Bafe G H is fidined a Spring of State-Unit, wider in on a fairal 1 sphereby an Object placed between two round Places, or Silces K and I, in the manner heretister mendancel, in by means of the State C by St of various Spheres, guarded by Ferrils, are included. In P is a female Skrew, by which an Ivory Handle P Q is to the Microfcope.

In the lower Stice T are round Holes, in which are fitted little Circles of Muleory Glafs, for Objects, effectally small and pellucid ones, as little Infects, or the

Wings, Scales, &c. of larger, to be faitned to.

When live infects are to be view'd, they are cover'd with When live litteds are to be viewed, they are covered with the BrafsBiles (Y, which is you in a little (buare Brafs-bed, perforated with Holes X: And the (ance Slice, whether alone, or included in the bed, being I slid between the round Plates K and L, is brought to the Lean by means of the Comput A B: sill they follow the whole distingly insight. the Screw A B, till the Object may be difficely view'd.

If other pellucid oblong Objects are to be view'd, as Down, Caricle, &c. instead of the Slice above, is used the

Down, Cutfele, Çr. initead of the Silez above, is ufed the oldrunear temerosed above, for viewing Wings of Filez a formation and the control of the Control

Lemmar surgept; in operation over, their Doctors will be underthood from what follows.

If an Object A B be placed in the Focus of a Glafs Spherole F, and the Eye be behind it, v.g. in the Focus of a Charles of the Charles of the Eye be behind it, v.g. in the Focus of a Charles of the Eye be behind it. Spaceraice, and the Eye be behind it, v. g. to the Focus Gy the Ob eck will be feen diffinite, to an erect Situation, and magnified, as to its Diameter, in a Ratio of \$\frac{1}{2}\$ of the Diameter \$\frac{1}{2}\$, to the diffiance at which Objects are to be placed to be feen diffianced with the naked Eye.

placed to be feen diffinelly with the naked Eye.

The first part of the Proposition is proved in the fame
manner of Spheres, as of Lenks: As, then, a good Eye
fees an Object diffinelly as the distance of 8 Digin, a Glafs
Spherule will inlarge the Dismeter of an Object in a
Ratio of 4 of the Dismeter to 88 Digits. Suppose then
the Dismeters of the Spherule E1 in of a Digit, CE will be = \frac{1}{24}, and FE = \frac{1}{24}; and therefore FC = \frac{1}{24} + \frac{1}{4} = \frac{1}{24}.

\[
\frac{1}{24} \cdot \text{Confequently, the true Diameter of an Object to its apparent one is in the Ratio of \frac{1}{24} to 80; i. c. as 3 to 320,

1 to 107 nearly.

Now a Less convex on both fides, increases the Diameter in a Ratio of the Semi-diameter to the space of 8 Digits; wher fore \$ having a less Ratio to 8 than \$ ; of a Lens and a Sphere that have the fame Diameter, the former will a sparter hat are the latter: And pretty much after the fame manner it may be fhewn that a Sphere of a lefs Diameter, magnifies more than another of a large one

For the Methods of casting little glass Spherales for Microscorks; there are various. Welfast deferibes one as follows: A finall piece of very fine Gelas, sicking to the wet Point of a Stock-Needle, is to be applyed to the formers are forced-levelle, is no be applyd to the the west Deiner and the Element Text's jor, which is better, to the Flume of Suran, to prevent in being blacked. Being the media, the prevent in being blacked. Being there may be designed been being blacked. Being there may be made from the Flume; you which it formstly create to be fluid; follow, then, as the Fluxe of Estit, and making a very fould frometh preferration, to a more to ker any Roughport on the Courteer's and further, frontding them over to prevent any placing; in they place the prevent of Fluxes; the Surfaces; and turner, innouthing them over to pre-vent any glaring: fit the Spherule between the Plates a gainfit the Apertures, and the whole in a Frame, with Ob-jects convenient for Obfervation.

Dr. Mount tells us another Method, thus: Take a piece

Dr. Admit cell so acorber Merhod, thus: Take a piece of fire Windows Glaff, and rafe is with a Diamond those of fire Windows Glaff, and rafe is with a Diamond win on many lengths as you think needful, not exceeding an eighbh of an Iosh is breathy in the nobleg once of those lengths between the Fore-inager and Thumb of each length services the Fore-inager and Thumb of each length of the services of the services

they'll have Spots; fo they must be drawn out immedi-

they'll have Spees, for they must be drawn out immedi-ately after they are under Yourd. As seed be Serm, break it off as near the Ball as pullble; and holdging the remainder excellent the seed of the Ball as the Ball as the Secondary could be seed to the Ball as the Ball as the Secondary After their manners may hybers to made much finaller than any Leas y for that the best Model/Gree, or stode which Dismocret of a playment to the day for the Secondary in Fours will be \( \frac{1}{2} \); and therefore in rest Dismocret to its appretion one, as \( \frac{1}{2} \), which is the Secondary and partition of the Secondary and the Secondary and the best in the Secondary and the Secondary and the Secondary best in the Secondary and the Secondary and the Secondary best in the Secondary and the Secondary and the Secondary best in Resident to the Secondary and the Secondary best in Resident to the Secondary and the Secondary and

be increated in the Programm of F to 1990c, and no base in a Ratio of 1 to 29130c.

M. Leeuwhoud and M. Maffakenhouch have fueceeded very well in fifterical Merejagers; and the Apparatus of the latter is much commended: But we forbest any Deleriptions thereof; it being esty for any who confident the Structure of those conditions of Leas's, to conceive how

Structure of thole confifting of Len's, to conceive how those of Spheres may be controved.

Water Mickoscopie. Mit.S. Gray, and after him, Wolfar and others, have contrived Barer-Advergence, confliting of Spherules, or Len's of Water infliend of Glafs, fitted up formewhar after the manner of those above-mentioned; (as Spheres of Water may be likewise used intend of Glafs.) in any of the common Microfcopes) But fince the diffunce of the Focus of a Lens or Sphere of Water, is greater then in one of Glafs, (the Spheres, whereof they are Segments being the fame) Water-Mereyfeoper insgnifty lefs, and are therefore lefs effeemed than those of Glafs.

therefore Met selement than their at Einl.

The fame Me, oray first oblivered trust a finall Drope, or Remilipferrale of Water held to the Eye by Coelle-Light or Mone-Light, vollour any other Appearson, may only other Moreioper. The Reafon is, that the Eye is compared to the Memory of the Moreioper. The Reafon is, that the Eye is not perfect to the first flame induced to the Service of the first Henriphere, are reflected to aut till under the first Angle on the Service of the first Memilipher. All the Memory of the

Microscopes; but they don't magnify near so much

Theory of Compound, or double Microscores.

Suppose an Object-Glass E D, Fig. 24, the Segment of very small Sphere, and the Object A B placed without the Focus F.

Suppose an Eye-Glass G H, convex on both fides, and the Segment of a Sphere greater (the not too great) than that of D E, and let it be fo difforded behind the Object, as that if CE: CL:: CL: CK, the Focus of the Eye Glass may be in K.

Glast may be no K.

Lattly, fuppofe L K: L. M.; L. M.; L. I.

If then O be the place wherein an Chipe'th feen diffined:
with the naked Eve; the Eve in this Cafe being placed in

I, will fee the Object A B diffined by in an inverted frustrien,
and magnified in a compound Ratio of Mr to L. H. and

L C to C O; as is proved from the Laws of Dioprotes.

1. The mere an Object in Imposite the West Properties.

1. The mere an Object in Imposited by the Mere/eper, the let have been the State of the Stat

\$\frac{1}{6}\$ is of \$\pi\$ plus plus Securidiancers of the \$Eye Glaff \$\$1 \text{ or \$\pi\$ of \$1\$ plus \$\pi\$ the diffusion of the large \$LK\$ from the Globel \$C\_0 \text{ of \$\pi\$ of \$1\$ plus \$1\$

4. Since the finneg is projected to the greater diffuser, the nextre souther Lean of a Segment of a larger Sphere, in brought of the Copycia Child is a Mercyler units be compared to the control of the copycia Child is a Mercyler units be compared to the copycia Child is a Mercyler units of the Copycia Child is a Mercyler of the Copycia Child is a Copycia Child in the Copycia Child in the Copycia Child is a Copycia Child in the Field of Video much present the child in Copycia Child in the Field of Video much present the child in Copycia Child in the Object as the fame time will be exceedingly magnified, and the Field of Vision much greater than if only one Lean were than the Field of Vision much greater than if only one Lean were than the Field enlarged, if both the Object mer magnified, and the Field enlarged, if both the College of the Field enlarged, if both the College of the Field enlarged, if both the College of the Field enlarged is the field that the field enlarged is the field of the Field enlarged is the field of the Field enlarged is the field enlarged in t

Egy-Glaffe,
For a Moriging of three Lean's, De Cade commends as
For a Moriging of three Lean's, De Cade commends as
For a Moriging of the Cade Commends of the Cade
Olich hemitics, or a "Digital Cade of the English
Olich Christ and Syy Claff about 1, Ulass. Concade had
no seculters Non-Juye, the Oligh-Glaff with red was half
on seculters Non-Juye, the Chipd-Cade who had no seculters Non-Juye, the Chipd-Cade who had no seculters Non-Juye Cade Cade
on any 4 Digits; a Piet rainfore'd beat whose in him of the
Oligh-Glaff, he feel rainfore'd beat whose in he Say Cade
half a Lies. Englanton de Donois, intend of an Olighdhaft a Lies. Englanton de Donois, intend of an Olighwhole Convenient secolad. Gradual of the firms 1, only
that the Convenient odes on quite roach. Zashara made a
A Boundar Morigin, when he had Type were Mod.

Stratilare or Mechanijan of a Double MICROSCOP 8.

The Indultry and Address of our Country man, Mr. Marfield, here defereves to be remember d: "The most commodious Double Mecologie is of his Constituance. In this,
the Eye-Classife are placed in the Tube at A and B. Fig. 25,
and the Object-Gliss at C. The little Filler D E is ramed
by weeten of a Rail E, mographic in the Code 2. by means of a Ball E, moveable in the Socket F; and thus be Microscope is accommodated to any Situation. the Mersycope is accommonated to any Situation. And fisher Fillers as divided into as many parts, 1, 8, 5, 4, 5, 5, 5. as there are Lens's of different Spheres to be used in viewing different Objects; for that the diffiance of the Object from the Object Grant may be found without any rouble. But as it is fearce exactly enough determined this way, the Tabe may be brought nearer the Object at difference, by means of the Serew G H.

means of the Serew G H.

The Objects are cither laid on the Circle I; or fitted to
proper Instruments, having their Points or Stiles passing
through the little Tabe L M.
Lattly, to illumine the Object, a Lens convex on both
fides, N O, is disposed in a convenient Situation. The rest appears from the Figure.

Refleting Microscore, is that which magnifies by Re-flection, as the above-mentioned ones do by Refraction, See

REFLECTION.

The Structure of fisch a Morifope may be conceived than: Northe Focused a concave Speculum A. B., place a mineut Oblect G., that is limage may be formed larger as mineut Oblect G., that is limage may be formed larger to be the first of the structure of the structur

Any Telescope is converted into a Microscope, by reoving the Object Glass to a greater diffance from the Eye-Glass. And fince the diffance of the Image is various, ac-cording to the diffance of the Object from the Focus; and it is magnified the more, as its diffance from the Object Glass is greater; the arm Telescope may be successively converted into Maroscopes which magnify the Object in dif-ferent degrees. See Transcope.

MID, or MIDDLE, in Philosophy, and Mathematics. See Maan and Manipum. MIDDLE LATITUDE, in Navigation, is half the Sum of two given Latitudes. See Latitudes.

of two given Latitudes. See Laty 1990s.
MIDDLE LATYTUM BAILD uid for a Method of working the feweral Cafes in Sailing, nearly agreeing with Method of two and the contrary away, her without the help of Meradional Parts. See Sailing. See Marijoonal Parts, Mines and Cafe, in Afronomy, is that Point of the Ecliptic which colininates, or is in the Meradian. See CULMINATION, &c.

MIDRIFF, in Anatomy, St. DLATINACH.

Midriff, and to give about the World of Committed from the Cong, and to give about the World of Committed from the Cong, and to give about the World of Committed from the Cong, and to give about the World of Committed from the Cong, and to give about the World of Committed from the Cong, and to give about the World of Committed from the Cong, and to committed the Ship, and in the state of the Cong, and the Cong, having frest their intensity of Cong, and the now on good their performance, and the Cong, and t

MIGRATION, or Transmigration, the Passage or Removal of any thing out of one State, or Place into another; particularly of Colonies of People, Birds, Ge. into other Countries. See Transmissation.

Cantrica. Sec I RANNINGRATION.

The MICRATION of the Shall of Meri into other AniThe MICRATION of the Shall of Meri into other Anithe MICRATION of the Meri of Meri of the Pydesa,
Stork, Crase, Fieldfart, Woodcock, Nightingale, and other Blads of Pydes, is a very carona Article in Natural

The MICRATION of Revis, as in E-Swallow, Online and Micration of Meri of the Shall of Meri Blads of Pydes, is a very carona Article in Natural

Lottical imperfed by the Carona of Meri of Meri

Indick imperfed by the Genue. See Darriner?

M. Deckson obligative two bings very conclude therein a bar for first their annually, northering Genaries flouid by fifty. That their annually, northering Genaries flouid by fifty. That their annually, northering Genaries flouid control of the season when the goal as all change flouid control or between the change of the flouid control of the season before the change makes and cold, and chen cannot be greatly to be certainly change their Habitation. But it is used Initially they change their Habitation and the Lee and Cold and Habitation and the Lee and Cold and their control of the season and the forest the forest the forest the forest forest the forest forest

Curious in latch rangs, so the Keyal Society. Speaking of the way of Fiftings in the Northern Parts, by breaking. Holes, and drawing their Nets under the Ice, be related, that he faw Kirzer Swellews for drawn out of the Lake of Sommela, and about thirty out of the King's great Fond is Refinedien's and that at Colebriter, near a Houfe of the Earl of Dobma, he faw two Swallows, just come out of the Waters that speaking the Swellows and the Swellows and the Swellows. Waters that could fearer fland; being very wet and weak, with their Wings hanging on the Groand. He added, that he had often observed the Swallows to be weak for fome days after their Appearance.
MILDEW. See Miller.w.

MILE, in Geography, a long Mesfare, whereby we afe to express the distance between Places. See Menaure,

to expert the dislace between Places. See Maanus, DETAME, EXP.

THE MARKET AND THE MARKET AND THE MARKET AND THE MARKET AND THE GROUPING THE GROUPING AND THE MARKET AND THE MAR

The Mile of Italy Of England 5454



MILES, a Latin Term, which, in its general import, fig-fics Soldier. See SOLDIER and MILITIA.

In our English Laws, and Cufforms, Miles is peculiarly appropriated to a Knight, called also Equet. See Knight and Equet.

MILIARY Glands, Glandule Miliares, in Anatomy, a great number of small Glands interspersed throughout the Substance of the Casis, or Skin. See GLAND and

The Miliory Glands are the Organs whereby the Matter of Sweat, and infentible Perspiration, is fecreted from the

on owear, and intentible Peripration, is recreted from the Blood. See Prastibation and Sweat. They are interwore with the pyramidal Papille of the Skin; and are each ferved with a Branch of an Artery, ORMIJ AND HE CESTO WITH A DIRECT OF ART ATTER, VCies, and Nerve 3 as also with a proper exerctory Duck, through which the fluid Matter screeced from the Blood in the Subflance of the Gland, is exerted, and fern forth at the Perce, or Perforations of the Chicle. See Pore and Curicus.

MILLARY Fever, is a malignant Fever wherein the Skin is fprinkled over with little purple Spots, or Puffles, in form of Grains of Miles.

torm of Grains or Joseph Foors, from the colour of the Spots. See Purrier and Fryer.
MILITANT, a Term underflood of the Affembly of Christians, while here on Earth.
The Execution of the Christians Afficient Parisms.

The Remanifis divide the Church into Militans, Patient, and Triumphant: The Militans is on Earth; the Patient,

or Paffive, they place in Purgatory; and the Triumphant in Heaven. See Chunen. MILITARY, fomething belonging to the Militia, or Soldiery.

The Milliary Ar is the Science of War. See MILITARY Government is the fupreme Government, Direction, Command, and Disposition of all the Military Power of a Nation by Land and Sca. See Govern-

MENT. The Military Government of England is wholly under the King 5 and neither one, nor both Housesof Parliament have any Right to levy any Forces, or make any War Of-

fentive or Defenfive. See King, ARMY, MILITIA, GUARTS. ESC MILITARY Exercises, are the Evolutions, or various anners of Ranging and Exercising Soldiers. See Evo-

MILITARY Architeflure, is the Art of Fortification. See

ARCRITECTURE and FORTIFICATION.

MILITARY Execution, is the delivery of a City or Country up to be ravaged and defiroy'd by the Soldiers, upon its refusing to pay Contribution-Money. See Execu-Tion.

MILITARY Testamens among the Romans, was what we call a Nuncupative-Will; or a Testament made only by Word of Mouth, in the Presence of two Witnesses. See TESTAMENT

This was a Privilege peculiar to the Saldiery, and to them only when in the Campaign; for a tother-times they were fullyeft to the common Laws.

MILITARY Column among the Romans, was a Column on which was engraved a Lit of the Troops of an Army; or the Number of Soldiers employd in any Expedition.

See COLUMN.

MILITARY Order, fee ORDER.

MILITARY Law, fee LAW.
MILITARY Feer, is a kind of malignant Fever frequent
n Armirs, by reason of the ill Food, &c. of the Soldiers. MILITARY Ways, Via Militares, are the large Roman Roads, which Apropha procured to be made through the Empire, in the time of Angaltus, for the more convenient marching of Troops, and conveyance of Carriages. See

N. Service has wrote the Hiffery of the Origin, Pro-grefs, and amazing Extent of these Military Roads; which

e Empire. Sec VI.E. MILITIA, a collective Term, understood of Persons whe make Profession of Arms.

The Word comes from the Latin; Miles, a Soldier ; and

The Word comes from the Latins, Moter, a Soldier's and Mele, from Molle, which was animiting worted Molle: For in levying Soldiers at Resea, as each 'I the formithed a Thousand, Millier of Molle, Men., whoever was of that Number, was called Molle. See Tains.

Millimia in its proper, and more reflusined fenfe, is aled to fignify the Inhabitiants, or, as we call them, the Trainted-Bands of a Town, or Country's who arm them—Trainted-Bands of a Town, or Country's who arm them—

Thintel-Raind of a Town, or Canatry s who arm them-felves, on a flort warning, for their own Definee. In which farify, Midnis is opposed to regular, stared Forces, the start of the start of the start of the start of the start account of the start is the more compared to be about account of the faring the start is the start of the Forth Direction and Command of these, the King con-fitutes Lord Lieutensett of each County, with Power to Arm, Array, and Form into Companies, Propsy, and Re-

Arm, Array, and Form into Companies, Troops, and Re-giments, to Conduct, (upon Occasion of Rebellion, and Invasion) and Employ the Men to Arm'd within their reinvalous and other Places where the King com-mands; to give Commissions to Colonels, and other Offi-cers; to charge any Person with Horse, Horse-man, Arms, &c. proportionable to his Estace, &c. Sec Level Livers-

No Person to be charged with a Horse unless he have 500 Pounds yearly Revenue, or 6000 Pounds Personal E-state; nor with a Foot-Soldier, unless he have 50 Pounds

yearly, or 600 Pounds Perfonal Estate. MILK, Las, a white Juice, or Humour, which Nature prepares in the Breafts of Women, and the Udders of

other Animals; for the Nourishment of their Young. See BREASTS Milk is thicker, fweeter, and whiter, than the Chyle itself,

from which it is derived, and that probably, without much more Artifice or Alteration than the leaving behind fome of its arracous Parts. The Antients held it form'd from the its aqueous Parts. sis aqueous Faris. The Antients held it form'd from the Blood jo but the Moderns are of Opinien, it comes from the pare Chyle convey'd by the Arteries to the Breath, and without any other Codline filtrated through the Glands whereof they are compord, like Unine through the Reims without undergoing any confiderable change.

According to Ill. Accusement's Observations, Milk con-

According to M. Lecuenbeeck's Oblervations, Mile con-filts of little Globales fwimming in a clear transparent Liquor, call'd Sersor of Whey, Mile is a Composition of three different Kinds of Parts, Buttrous, Cafeous, and Secous, The Buttrous Parts are the Comment of College faith of the Parts of the

Batrons, Cafeona, and Setons. The Batriess Parts are the Cream and Oil that from 1-to. Pos. BUTTER. The Ca-fows are the groffer Paren, and those that coagalate, and are made into Cactor. See Carszar. The Sown are par-ameters of the Carter of the Carter of the Carter of the Dr. Dock Tays, that Male in earling but Oil and Water united by the Artifice of Nasare, perhaps by the Interren-tion of fome peculiar Salte, which, Male intift, however forcet affind, does, often a little flanding, disfover to be presty plendially sherein.

Mill in fift flooration in the Becafit of Women after they.

have been pregnant about four Months. The Fermen-tation of the Mok in the Breafts, the first days after a Woman is delivered, occasions a Fever, which takes its

Name therefron Arifistle fays, there are fome Men who have Mik in their realts. Cardan tells us he faw one that had enough to fuckle a Child

In the Philosophical Translations, we have an Account of a Wether brought to Milk by the facking of a Lamb; which Lamb was maintain'd by it all the Summer, till it

was weared.
Mik corrupted in the Stomachs of Children, occasions
the feveral Diseases incident to that Age. Dubel, a Dumiyh
Physician, who has were expertly on this Subject, rells us,
an excellent Remedy in such Case, is a Glass of Water with
a little Salt fulfillored in it: This acts as an Emetic, and

throws up the Corruption that occasion'd the Diforder. Celliss mentions this Remedy, L. 1. C. 3. See CHILDREN. Galen observes, that in Animals fed with Milk, the greatest part of the Food of the Mother is converted into that Humor. part of the Food of the Mother is converted into that Humor. There are feveral kinds of Mile, Mich ont only as Food, but as Phylic: In Come Mile, Miles Mile, Steps Mile, and Count Mile. Therefor a preferred as proper to alter a tritier; and in Contilutions where they fit the first Particle, and in Contilutions where they fit the first Particle, must be very good for that End, as being allerady prepared into Natriment, for as as required for their admittant most property of the Stone Miles and the Miles prepared into Nationent, to far as is required for their ad-miffion into the Blood. But where the Jucies of the Sto-mach are sharp, these Lágaors are apt to be tutn'd into Card. Whenever Milk, therefore, of what kind foever, is order'd in Consumptions, and as a Reforative, it is with good reason join'd with the testacross Powders, and such this as any moment to destroy these Accident things as are proper to defiroy those Acidities.

fre fil Bath.

We have feveral artificial Milks, fo call'd from their refemblance of natural ones. As,
MILE of Suphers, a Preparation of Flowers of Sulphur,
and Salt of Tarrat; preferibed by the Physicians, as a SaZaliff. Son Surveyor.

derific. See Sulphun.

dorinic. See SULPHUR.

Virgin's MILER, Law Virginale, composed of Rock Alurn,
Spring Water, Litharge, and Vinegar's used as a Cosmetic,
to drive in Pimples, and check any cutaneous Eraptions, by
its cooling, reftringent Quality.

MILE of the Mosn, Los Lene, is a Name given by the Naturalists to a kind of fessil Agaric. See AGARIC.

MILE of the Mien, or of More, is also the Name of a white, porous, friable, infipid Earth, extracted by fabli-mation from a Matter frequently found in Silver-Mines a Whence also it has the Name of Flourer of Silver, See SILVER

MILKY WAY, Via Lattes, or Galaxy. See GALAXY.
MILL, in propriety, is a Machine ufed for Grinding: But
the Word in its general Signification is selfe for all
Machines whole Action depends on a circular Motion. See
GIFF DUC, MACHINA, GE.
GIFF DUC, MACHINA, GE.
Names according to the various manners in which the
Names according to the various manners in which the
many Pagas-insulved is but shee year all he reduced no

moving Power is apply'd 3 but they may all be reduced to three heads, viz. Wind-Mills, Water-Mills, and Hand-Mills 3 under which last, are also comprehended those worked by

under which lath, are and compressions whose walkers, \$2.6. Water-Mills are those turned by the force of fall of kiver, \$2.6. Of which, again, there are two kinds a those where the force of the Water is apply'd above the Wheel, call'd Ower-Says and hole where it is apply'd below the Wheel, call'd Under-Say M&W. See WATER-

Mind MILLS, are those turned by the force of Wind gathered in their Salls. Of these, some are call'd Fernical, others Horsensonal, according to the position of the Salls; or rather according to the direction of their Motion with regard to the Horison. See VIRSTICAL and HORISON TALL. For the best Form of Horizonal Salls, as also for determining the Position of the Axis of Wind-Mills, so

WIND MEL

W IND-000.

\*\*Forming, \*\* Hook Mills, a set shock kept in Motion by the Hand of the shock Mills Stones are used, or Pilitons the house of the shock Mills Stones are used, or Pilitons of the shock of t "Tis doubted whether or no Water-Mills were known to the Romans 5 there being no mention made in the Digest but of Militarned by Slaves and Affes,

Salmafius, however, and Guthefrid, will not allow Water-Mals to have been unknown to the antient Romans, though

Mali to have been unknown to the state of the they were not in ordinary pfc.

Wind-balls are of much more modern Invention: The fift Model of these was brought from Asia into Europe, in the time of the Holy-Wars. MILL is also used, in the general, for all Machines, which being moved by some external Force, serve to give

which being moved by fome external Force, lerve to give a violent Impression on things apply of thereto. ASS in this Sense, are Machines of vast ofe in the Manusactures, Arts, and Trades; for the making and pre-paring divers kinds of Merchandizes. The principal are thefe which follow.

there which tollow.

\*\*Paper-Millt, a Water-Mill farnish'd with several Hammers, which beat, or pound the Rags or Cloth in a kind of Wooden-Troogh: and thus by reducing them to little pieces, turn them into a kind of Palp, by means of Water concey'd into the Trooghs by a Pipe for the purpose. See

Falling-Mille, is a Water-Mill which raifes and beats down large wooden Piftons in proper Veffels, call'd Peels or Troughs 3 in order to fall, feower, and cleanfe Woollen Stuffs. Sec FULLING. Lines-Mills don't differ much from Fulling-Mills

Letter-Mille don't ditter much from Fulling-Brille. Their Ufe is to fower Linens, a fact having been first cleans of when taken out of the Liswimm, or Lye. See Bleach Hinc. Mille in Coinage, is a Machine used to prepare the Lemine or Places of Metal, and to give them the proper thickness, hardness, and consistence before they be little frame, the Res COINING.

or stamped. Sec LOINING.

This Machine has not been long known among us; but is of forme flanding in Germany. It confifts of feveral Wheels dented like those of Clock, 25c, which move two Cylinders of Steel, between which the Metal is passed.

Affes Malls fakt 10 to great Beaudifer and Preferrer to be brought to its proper thickness. It was first turned with 83th 27m and the Emperor Now, stell it in order with Water, afterwards with Carel, 10% little far far parapole's having fine the Emperor Morning with a containing of a work of the Market North 10 to 10

Plates. See Gogn-Wife.
They have all 6 Mair to wind the Gold Wire or Thread
on the Silk is compored of feveral rows of Bobins all
tured at the fame time. See Octivitive.
Sugar-Alites, is a Machine that ferves to braife the
Sugar-Cases, and express the Liquor or Juice contained
therein. See Sugar.

The Sugar-Mills are very carious Contrivances.

there are four kinds; being turned either by Water, Wind, Men, or Horfes.

Those turned by the hand were first in use; but are now laid afide, as being an intolcrable Hardship on the poor Negroes, who were doom'd thereto; besides the slowness of their Progress.

Wind-Mills are the most Modern, but they winds still a rec use most mooten, but usely are yet formewhat rare: excepting in St. Corfulpher's and Barbadees, and among the Portugueze. These make good dispath, but have this Inconvenience, that they are not easily slope'd; which proves frequently stall to the Negroes who feed

them.

oil-Mille, whether turned by Men, Water, Hand, or Horfe, ferve to braile or break the Ness, Olives, and other Fraitisand Grains, whole Jaice is to be taken by Expreffion to make Oil. See Ott., Ot.178, 28.

Ten, or Rusk-Mulle, wrought by Water or Horfes, ferve to cut certain Barks into a coarie fort of Powder, proper for the Transian of Hildes 548. See Figure and Transian Oil Huber 548. See Figure 2011.

to cut certain Barks into a coarie fort of Powder, proper for the Tanning of Hides, 15°. See Barks and TANNINO. Satisting-Mill: is a Water-Mill, ferring to faw feveral Planks or Bunda's at the finne time. See Saw 10°. They are lackly prohibited in England, where they were begin to be introduced, from a view to the Ruin of the Sawyers, which mult have ceftical.

Forge-Mades, turn'd by Water, serve to raise and let fall

Forget-Bills, Yurn'd by Water, ferre to raile and let fall one or more huge Hammers, to heat and form the Iron into Bare, Anchors, or other multive Works. See Fonce. Mills Sward-Blades, are likewife moved by Water. They are frequent at Frenne in Dauphine. By working heavy Hammers, they forge tube excellent Sward-Blades, heavy Hammers, they forge tube excellent Sward-Blades, call'd Blades of Vicane.

Learber-Mills, are used to full, and prepare with Oil, the Skins of Stags, Buffalo's, Elke, Bullocks, &c. to make what they call Baff-Learber, for the ase of Military-Men-

This is effected by means of feveral large Piftons rising and fulling on the Skins in large Wooden-Troughs, by means of a Wheel without-fide, turn'd by the force of the

means of a Wheel without-disk, turn'd by the fare of the Waters See Bury, intuit rides a pead, and but a row for the water should be a support of the state of the season of the season

There are abundance of Mon 6 of this kind in France, effecting about £ yam and There, (fines of which are to disciple the state of the

foms and Fruit are much prejudiced.

According to Mest. Cook and Mortimer, Milldew is a thick,

According to Dieli Cask and Nortimer, Notices is a times, claiming Vapour exhaled in the Spring and Sammer from Plants, Bloffoms, and even the Earth itelf, in clofe filli Weather, when there is neither Son enough to otdew it on high, nor Wind enough to differfe it. Hanging thus in the lower Regions, when the Evening's Cold comes on, it condendes and fills on the Plants with its tick claiming.

it condenses and talls on the Plants; with its thick claiming Subflance flows up their Peres, and thus prevents Per-firiation, and hinders the Sap from alcending to nourish its Flowers, Shoots, &C. See Drw.

"Its added, this Dew falling on the top of the Shoot of a Cherry-Tree about Midfammer, has been found to flop the Shoot; fo as the Tree has floot forth in other places.

Blights and Mildews are commonly taken for the fame thing 3 yearse they very different. See Beloux. On Plants which have fmooth Leave, as the Oak, &c. the Dew hangs, and may be feen, tafted, &c. Others, whole Leaves are rougher, imbile in. When it falls on Wheat, &c. it befposs the Stems with a Colour different

from the natural one.

These Dews, Mr. Martimer takes to be the principal Food of Bees; being sweet, and easily convertible into

Food of Eccs; beog Iwect, and cally coortenue me-thores, See Ihoes, MILLENARIAN; a Sect among MILLENARIES, MILLENARIAN; a Sect among Chrillans, chiefy in the primitive Charch, who hold that Jefas Chrill is to come and reign on Earth for the fisace of copy all massers of being which more, the Esishfair or to enjoy all massers of the property of the property of account of the Term, the popularies in one to the place. See MILLENNIUM.

The Millearnes are also call'd Chilings from the Greek
7 in 1989, mile, a Thousand. See Critians.
This Opinion of the Millearnes is very antient; and may

be traced back almost as far as the time of the Apostles. It had its Origin from a Passage in the speasyfe too literally understood, wherein mention is made of Christ's

Reign on Earth, &c.

The Opinion of S. Papias, fays Mr. Lanney, touching the new Kingdom of Jefus Chrift on Earth, after the Re-furrection, was held for near three Centuries, e'er it was furrelino, was held for next three Centurin, e'er it was shorted at erromous at a supears from Ecclosifile: I have short of a dislowed by the general Men there, I was allowed of, and followed by the general Men Terrolina. Even the states as a treasure, Might harpy, profest this imageleary holdereary Reign very timophy. Oppose the state of th

to support the Notion of the Millennium. According to his Computation, it was to have commenced about the Year

The Word is Latin, compounded of mile, a Thoufand,

and annes, Year.
MILLEPEDES, Word-Liee, little Animals of confiderable
Use in Medicine. Thus call'd from the great number of

their Feet.

Mi@pede are fo much in the Acquaintance of the Peo-ple, that they feem to be Masters of their medicinal types, and take them in many Cafes without any other Di-rection. They are, by all Experience, found to be very Discrete and Attentive which makes them not only fre-bured and Attentive which makes them not only fre-ten the control of the Company, and particularly in the Lunalize. Jaundice.

They abound with a nitrous Salt, which they feem to derive from the earthy Diet they live on. It is somewhat volatilized by its Digestion and Circulation in the Infect; volatilized by its Digettien and Circulation in the InfeCt<sub>2</sub> as field Stati dways in merce to Etc, in proportion to the digettive flowers of the Animal, into whole Blood it enteres in the Faister. This makes their detective Qualifies are used further, then the larger Glands, and enables them to Gener even the misseed Paffages, and keep the Nerves Gener even the misseed Paffages, and keep the Nerves (Paffages), whereby the page 300 dr Talles, Dipliepties, and all nervens Billends are good in Talles, Dipliepties, and all nervens Billends. all nervous Diffempers

all nervous Differmere.

As they open and cleanfe away Vifconties, and by their
Minutenels and Afperities out their way through any Obtimelines, they are good in Struma's, and all invecessor
Tumours or Ulcras.

Remarkable shows have been performed in each way by
Strumaterial for them. They are best rathen in Subtance 3 or brainfed in white Wise, the Liquop being taken without
Continued in white Wise, the Liquop being taken without
Continued in white Wise, the Liquop being taken without fettling.

fettling. There are feveral Chymical Preparations of Millepeder, as Spirit, volatile Salt, Oil, and Wine of Millepeder.
MILLERER, or MILLERAY, a Perspace Coin, current for formerhat more than the Spanife Pittlede See Corn.
The Millere is thus call'd, as confifting of a thousand

The Mill-ree is thus call'd, as confifting of a thousand Ree. See Rx...
It is also called a St. Stephen, from the Figure of that Marry imprefed thereon,
MILLIARIUM, among the Remans, was a Mile, or Lesgue; confising of a thousand Farca, wilk puffir ; whence the Name. See Millia and Leadury. In the Reman Empire, the Miliaria, in all the great Reads, were all mark'd with Stones or Columns, erected

for that purpose; commencing from a Column in the heart of the City. See ROAD.

Those Columns were hence denominated Millary Co-Sec COLUMN.

MILLING, in the Manufactories, an Operation call'd also Fulling. See FULLING.

MILLING, or Throwing of Silk, is the last preparation of Silk before dying; ferving to twiff it, more or less accor-ding to the Work it is intended for. See Silk.

Silk boundary of it is intended for. See Silk.

To prepare the Silks for Milong, they first pat it in
To prepare the Silks for Milong, they first pat it in
Soling Water, inclosed between two linen Cloths. The
Mil is a square Machine, composed of feveral pieces of
Wood mornised in each other to as to form a kind of large
Cage, in the Centre whereof are two Wheels placed parallel
Cage, in the Centre whereof are two Wheels placed parallel
When the over each other, whose Axis bears on two Poits. When the Machine is Simple, a single Man turns these Wheels by means of a little Cogg in which they catch, and a large

Handle.

The Wheels put in motion by the Handle, communicate their Motion to eight Windles, or Reels, or even more, according to the largeness of the Machine ; on the Wings, or Arms whereof the Silk is wound from off two Rows of obins placed on each fide the Machine, each Row at the Bobins placed on each fide the Machine, each Row at the beight of one of the two Wheels in the Centre. Thefe Bo-bins have their Motion by means of leathern Thougs, which bear on the little Cylinders of Wood that fupport them, and turn at length on the two Wheels at the Centre; I for the the City. that the Silk on each Hobin twiffs, as it winds, and forms its feparate Skain The fmallest Wheel moves two hundred of these Bobins,

over which a fingle Person is sufficient to inspect, to put new Bobins or Spools in lieu of those discharged of their Sfik, and to knot the Ends when they break. MILLION, in Arithmetic, the Number of ten hundred

thousand; or a thousand times a thousand. See Nume-RATION

The Revenues of Princes are now only computed in Millions. See REVENUE and POLITICAL Arithmet

Millions. See REVENUE and FOLIFICAL Arthonomics.

A MILLION of Soil, or MILLION of More, is fornetimes underthood of a Million of Founds; and fornetimes a Million of Crowns. See Caown, §c. MILT, in Anatomy, is a popular Name for the Spleen.

Sec SPLEEN MILT, in Natural History, the foft Row in Fishes 3 thus call'd by reason it yields, by expression, a whitish Juice re-

call'd by reation it yields, by expectition, a whittif Juce re-ferribility fills. See Row.

The MM is properly the Seed, or the Spermatic part of the Male Filth. The MM of a Carp is recked a choice Bit. Lewenbeck, examining the MM of a fingle Cod-fish with an excellent MicroCope, Found it to contain more living Animals than there are Men on the Face of the Earth.

See ANIMALCULE. MIME, MINE, a Term in the antient Comedy, fignifying a Enflow, or Mime, who acted Postures suitable to the Person or Subject he represented.

The Word comes from the Greek \(\mu'\mu\). Imitato: The fame Comedians were also sometimes call'd Panto mimes, because of their counterfeiting all manner of Po-

flures and Geffures. See PANTOMIME.

MIMESIS, Initiation, in Rhetoric, &c. a Figure, wherein MIMESIS, Imitation,

the Words, Actions, Es. of another Person are imitated

the Words, Actions, CS. of another Ferton are imitated. See Minus and PANTOMIMS.

MIND, Mem., a thinking Being. See TRINKING.

Phillosphers generally allow of three Kinds of Mands, via. God., Angels, and the hemma Sud. For a thinking Being must chile be finite, or infinite. If infinite, it is made to the sum of the s

or not 3 if the latter, it is an anged 3 if the former, a ossi, See Gorp, Anouer, and Sourt,

The homan Mind is properly defined a thinking, rational Subtlance: By Tahnhara, it is distinguished from Body 3 and by Response, from God, and Angels, which are fup-posed to see and know things insulively, without the help of the dashing and Distances See Discourse Briston. of Deduction, and Difcourfe. See Discounse, Rease

MINE, in Natural Hiftery, a place under ground where Menals, Minerals, or even precious Stones, are found. See

METAL, MINERAL, PRECIOUS STORE, &c.
As, therefore, the Matter dag out of Miner is various;
the Miner themselves acquire various denominations: as

the somes themselves acquire various denominations; as Gold-Mines, Slott-Mines, Copper-Mines, Iron-Mines, Diamond-Mines, Salt-Mines, Mines of Animony, of Alam, Sec.

For Gold and Silvey Manes, the richest and most celebrated are those of Perwand Chili in America. See Gold and Silven. from-Min as are more abundant in France than ellowhere.

Copper-MINES are chiefly in Sweden and Demuark, Son

Tir. Mines abound in England. See Tin. Quickfilver-Mines in Hungary and Spain; Diamond Mines in Golomda; Salt-Mines in Poland, &c. See Quiensiever,

in Ostenda 3 Sant, 1918 East Palanta, two occupations and Dalamons, Sant, 196.

Matalie Mines are chiefly found in Monatains 4 tho the reason thereof does not appear. It is probable, Plain may abound as much therewish, would People dig deep enough. But Plains are commonly califorated; and be finds, the Water will fearre allow 'em to be dag. Add, that the Metallie Vein

always run cither horizontal or oblique 5 and for that Rea-fon, are caffest found on the fides of Eminences. The Metallic Veins are commonly encompaffed with a

The Meallik Veins are commonly encomparfied with a four of Stone peculiar to the More, and are accompanied with reveral Stream of different Matters, as Clay, Gravel, and the stream of the Mealling of the Mealling of the Mealling of the Mealling of the Macaline, and Mealling of the Mealli

Hazle-Tree, out of which they form a forked Stick, call'd Vergal advisation, which, they fay, turns of irfelf, in their hands, but differently, according to the different enture of the Metals or Minerals underneath. This Artifice made a great noise in France towards the end of the 17th Cen-tery; 3 and the Corpa(color Philosophy was call'd to account for st. But it is now in little Credit. See VIRGULA DE-

There are fome Mines, wherein the Metals are found at There are fome More, wherein the Merth are found at their first opening very crede and imprecife 3 which very their first opening very crede and imprecife 3 which very first open representations of the state relative, their Parily, Smear Last efficiency by one income a deg. an area-ter of their contractions of their contractions of their been tone in many Vetta stitewards exceeding full thereof. Ordapium saffare, a that Earths which yield an Mental at all, formerines become very furtile Veins. In an Illiand of the Tyriber-Seval safe true it is not Mort have been ex-bastled, they shop can up about very Earth, at the end Far the Furnishing of Moncal and Head Marter in Mona.

For the Formation of Mineral and Metallic Matters in Mines, fee MINERAL

fee MINNEAL.

MINN, in the Art of War, is a fubterraneous Ganal, or Patilized dag under the Wall, or Rampart of a Furtification intended to be blown up by Gun-powder.

The Awy, or Patilize of a Mone, is ufually about four frost fourteen for the Gausses at the cad of this is the Câvasher of the Almer, which is a Cavity about five foot in wicht and in length, and about fix in height; and hore the Gun-Powder is be-

flow'd. The Sweige of the Mine is the Train ; for which there

The Sanday of the Mane is the Train 3 for which there is always a little Aperture left. See Savether.

There are various kinds of Mane, which acquire various Names 3 as Royal Manes, Serpentine Mane, Forked Manes, according a their Paffages are first, oblique, winding, Ee.

There are also Mane made in the Field, which are called. Fougasts. See Fougane.

Favgades. See FOUGADE.

Mines are either dug within the Body of the Earth, as
those made by the Beneged to blow up the Works of the
Benegers, before they make a Ludgment on the Coverd
Way:

Or in Eminences and Rising Grounds, as to make

Ludgment of the Benegers of the Benegers before the Ways

A the Demonstrate of the Benegers of t

a Breach in the Rampares, &c. Or to blow up Walls :

a Benech in the Rumparu, Ge. Or to blow up Wulls: Or, Inilly, to test pay Nexks.

B. Clevaller, in the Memort of the Reput Academy of Societies, and the Reput Academy of Societies and Societies, and the Reput Academy of Societies, and the Refinition of Worder, the Effort is makes, and the Refinition is meets within hexiving sup the Ground. He flows, that a Colder Foot of Air included in two Colbe Feet of Gun-Powder, is explosed in Hullmannia a Worlph on near 25000 Flowald. But obfortes within, that this is wallly agreement than which is found to present the academy of the Refinition of the Refinitio Lac Pounds of Powder don't raife above 30000 Pound of Earth. The Reafon of which difference he afcribes to feve ral Coufes ; as, that the Powder does not take fire all at ral Confess as that the Fowder does not take first all a cone, forthat in force in chiefed; but part of the Shock cone, forthat in force in chiefed; but part of the Shock Force of the Bodles incompating the More is that the reactify of the parts of the Earth refinite featuration; that it is not enough that the Earth be furported, but it must be well as the state of the state of the state of the state Weight of the Amosphere, it is very confidentiable ob-flecte, to which no regard is had in the Calculation. See Gure Fournas.

Gues Power.a.
From a great tumber of Experiments it appears, 1.
That the Effect of a More is always towards the weaker fields
for that the diploitions of the Chamber of a More does not
for that the diploition of the Chamber of a More does not
or enother, as the Miner milithenly imagine. 2. That
the Quantity of the Powder must be guester or left, in
proportions the greater or left Weight of the Bodies to
be rank, and to their generar or left, become for
the criticity of all the Experiments that have been mode for determining the difference Quantity of Power to be said for a different Bedies, is to allow for each Cubic Fathom

Of loofe Earth, 9 or 10 Of firm folid Earth, and 11 or 12 o or 10 Pounds of Powder.

ftrong Sand, iftong Sand,
Of Argil, or fat clayey Earth, 15 or 16
Offinew Mafonry, not very?
flrougly bound,
Of old Mafonry well bound, 25 or 30

That the Aperture, or Funnel of a Mine that has been 5. That size Aperture, or Funnel of a Mine that has been playd, if it had been rightly chargd, is a Cone, the Diameter of whole Bafe is double the height suken from the Gener of the Mine. 4. That when the Mine has been overchargd, it a Aperture is nearly Cylindrical, the upper Extremity not being much wider than the Chamber at bother than the chamber at bother than the control of the contro Executivy not being much wider than the Chamber at bo-tom, where the Powder was lodged. 5. That, befide the flock of the Powder against the Bodies is takes up, it likewife craftes all the Earth that borders upon it, both underneath and fide-ways, which Craft extends itself the tarther as the Matters make the left Refiftance.

To account for all the Effects refulting from thefe Ex-

turber as the Matters moke the left Redistance.

To accome for all the Effects redisting from their Experience of the Committee of the Committ

or and the greater, as the wax solor estimates to considered.

First, if the Effort of the Powder the very great with precision will be a solor, there are three chains to be considered.

First, if the Effort of the Powder the very great with precision will be a reach a line way, that Side being tore off two feddenly for the neighbouring parts or reward to the consideration of the precision will be almost Cyclosifical, the Disnerted of the appear Exercise non much exceeding that of the Chamber's and the Earth will be shown to a great-fillinger, which the Exert will be thrown to a great-fillinger, which the Exert will be thrown to a great-fillinger, which the Exert will be thrown to a great-fillinger, which the Exert will be thrown to a great-fillinger, which will be a first through the constraint of the Chamber's through the constraint of the Chamber of the Ended to the Chamber of the blown up, falls almost all back again into the Aperture of the Mine; fo that the Enemy cannot make any Lodg-

To charge show, herefure, for a it may have the end advantageous Ericci publish, the Weight of the Marter to Cone, whole Balls is doubte the legislate of the Marter to Cone, whole Balls is doubte the height of the Zash view the Cone, whole Balls is doubte the height of the Zash view the Cone, whole Balls is doubt the height of the Zash view the Cone, whole Balls is doubt the height of the Zash view the Cone, in cable Fallson, multiply the number of Fanhous by the number of Doubt of Powder accellarly in raining bill downs and if the Cone contain Marter of different Weights, take a mean Weight between 'cm all', having As to the Diplottine of More, we have been organized. Balls downs and if the Cone contain Marter of different As to the Diplottine of More, we have been organized which this ware according to Oceafion and Coremitances.

Raine of 16 Marter is Milliary Hacous, subtonial constitution of the Cone contains the Marter of the Hacoline of the Marter of the Marter

ements in Mines. MINE Ships, are Ships fill'd with Gun-Powder, inclosed

rench Menfure: See MRASURE. MINE is alto a F

Mix is idlo a Freed Mediare: See Maxwert.

Mix ERA, in Medicine and Antonny, a Term apply'd
to lide? Parts of the Hody wherein there are collections
from Obirthiloso, and produce Distants. In this feate
we say, the Monera moral, See Distants in this feate
we say, the Monera moral, See Mix Mix ERA II, in Natural Hiffleys, is formetimes used in
the general for Fuffi, and applied to any Body, simple, or
compound, day out of a laine; from which it takes the
ompound, day out of a laine; from which it takes the

midft of an Enemy's Flee

compound, dag out of a More's from which it takes the Denomination. See MINE:
In this fends, the Ments, Sulphura, foffi Salts, Semi-line of the Ments of the Ment

Some divide Minerals into Simple and Compound: To the first belong States; Sales, as Alum, Nitre, &c. Inflammable Minerals, as Sulphur and Bi tumen ; and Metals,

as Gold, Efe-

Others of the more accurate Writers, reffrain the Word Mineral to what we otherwife call Semi-metal. See SEM1-

In this feafe, a Mineral may be defined a compound In this feafe, a Mineral may be defined a compound Feffill, wherein there is fomething difcovered, in all refigeds like Metal, only that it is nor malleable; joint, or compounded with fome other Feffil, as Salt, Sulphur, the state of the st Stone, or Earth. Such are Antimeny, Connibar, Bilmath, Stone, or Earth. Such are Antimeny, Connibar, Bilmath, Calaminaris, Vitriel, Pyrites, Marcafites, Cabalt, Oker, the Magnet, Lapis Hamatites, Armenus, and Stellatus. See each under its proper Article, ANTIMONY, CINNABAR, Bis-murri, Vitaiot, Calaminanis, &c.

Some attribute the Fermation of Monerals to the Action

of the Sun without 4 force to the central Fire within 3 and force think the Cold does all by uniting condensing, and

congealing certain Juices.

Des Cartes takes Metals to have been form'd from Discussion and the state of have been formed from the beginning of the World 3 and to have renged elemelies, by the Laws of Gravity, about the Centre. In special of State of Laws of Gravity, about the Centre of Laws of Law

Others, an McGriper, control that Metals, 15°c. may be the reful of a mission of a craim Matters, which had so-ther edit of a mission of a craim Matters, which had so-the weight of the many of the m

through its Pores and Canals, end which meeting with an Earth homogeneous to them, fix thereto; and commence

The Minerali, Metal, Jand Stones lie in Beds; and have done in ever fince the Flood, if not from the Creation; yer 'tis highly probable they have a faculty of growing in their refpective Beds; that, as their Beds are robb'd and empired by Miners, so after a while they recommend their relpective Beds 3 that, as their Beds are robb'd and empired by Miners, fo after a while they recruit again. Thus Vitriol, Mir. Beyle thinks, may grow by the help of the Air, and Alum does the fame. We are affured (tay that Author) by the experienced spicella, that the Earth, and the Air and Air

that Jahrely by the experienced oxyrolo, that the Earth, or OIO of Allon, being robbed of its Six, will, in 1826 of time, recover it by being expedid on the Air.

In the Control of the Control of the Air.

In the Control of the Control of the Air.

In the Control of the Contr

The Chymits generally take Minerals to be nothing elfe

to red Merals. This agreeable, but fatal Delafion, has given rife to the Sect of Philosophers, who fludy the Philosopher's Stone. See Matal, Gold, Philosopher's lolopher's Stone. See Maral, Gold, Philosophira's Stone, gie. Cryfid Mineral, feo Cavetal Moreal. Mineral-Watters, are those, which at their spring-ing forth from under Ground, are found impregnated with some Mineral Matter; as Salt, Sulphur, Vitriol, Ge. Sea

Such are hot Rathe, Spann, purging, &c. Springs. Sec BATH, SPANN, SPRING, &c. MINIATURE, or MIGNATURE, a delicate kind of Painting, confliting of little Points or Dots, inficad of Lanes; ufuelly done on Velom, with very thin, £mple Water-

usually done on Velom, with very tian, ampie waste-colours, See Pathwino.

Manatare is diftinguished from other kinds of Faint-ing by the finallers and delicacy of its Figures, the weak-ness of their Colours, and faintness of the Colouring, and inthat irrequires to be rice 4 very near.

Those Colours that have the least Body, are the best

and most commodious for painting in Ministere; as Carmine, Ultramarine, fine Lakes, and Green made of the Juices of several kinds of Herbs and Flowers. Painting in Miniature is the nicest and most tedious of all Falling in Monitarie is the nectl and molt redious of sill others a being preformed wholly with the Point of the Pencil.

There are fome Painters who never use any white Colour in Monators, but make the ground of the V-loun ferre to ratio their Figures; in which Calc, the Lights appear beight in proportion to the depth and fireight of the Colours of the Figures. Others, hefore they go to work, give the Ve-rified, the two with white Leads, well prepared and pa-rified, the two proposed on the Pigures.

When the Colours are laid on flat without dotting, the the Figures be fmall, and the ground either Velom or Pa-

per, it is not call'd Miniature, but Washing. The Colours for Miniature may be mix'd up with Water

The Colours for Minimum may be mind up unit Water of Gum Arthin, or Gum Trajacouth of Gum Arthin, or Gum Arthin, or French Sequently, call it Mignature, from Myesse, fine, pettry, on account of in finalization delaisacy, pettry, on account of in Indiance of Guide Company and Colours of the Colours of Colour

MINIMA and Maxima, in the higher Geometry. See MAXIMA and Minima MINIMENTS, or MUNIMENTS. See MUNIMENTS.

MINIMS, or MINIMI, an Order of Religious, inflitu-ted about the Year 1440, by S. Francis de Paule. These have improved on the Humility of the Miners,

by terming themselves Minimi, or Minimes, q. d. Leatt, or Smalleft. See Minors. MINION, a fort of Cannon, or piece of Ordnance, where-of there are two kinds : large and ordinary. See Cannon

and ORDNANCE. The large Minion, or one of the largest Size, has its Bore

The large Namen, or one or the largest Size, names nore a finch Diameter, and is 1000 Pounds Weight; its Load is 3 frounds of Powder; its Shot 3 Inches in Diameter, and 5 fround Weight; its Length is 8 Foot, and its level Range 125 Paces

The ordinary Minion is three Inches Bore, in Diameter, and weighs about 800 or 750 Pounds Weight. It is feven Foot long; its Load 2 & Pounds of Powder; its Shot near three Inches Diameter, and weighs 3 Pounds 4 Ounces 5

and thoors point-blank 120 Paces.

MINISTER, Stream, one that ferves God, the Public,
or a private Person. See Servant.

the Reformed Church, Priests, or those ordain'd to call'd absolutely and fimply Ministers

In this fente, Biftops, E. are faid to be Ministers of God; Ministers of the Word; of the Gotpel, E. In tome Churches they are also called Pastors. See Bismor, Passer, PASTOR, &c.

MINISTERS of the Alter, are properly those who attend, and affill the Prieft at the Administration of the Rucharist. Deacon, and Subdescon are Titles that properly signify Minister; accases, Minister; accases, Minister, See Deacon and Sus-DEACON.

Officers of State, &c. are call'd the King's Mniffers; as administring the Affairs of Justice, Policy, &c. for him.

SON STATE and GOVERNMENT.

MINISTER of Sate, is he with whom a Prince entrufts to Administration of his State; or to whom he commits the Administrat the Care, and Direction of the principal Affairs thereof. Bretiss is proposed as a Model for Ministers of State. The Grand Visit is the Prime Minister of the Orianan Empire, See Vizin. Foreign Ministers, or the Ministers of Foreign Princes, their Embaffadors, Envoys, Agents, or Refidents in the

Courts of other Pri

There are two kinds of Foreign Ministers: Ministers of the first Rank, who are also call'd Embassadors, and Enroys in Extraordinary. See Embassadors and Envoys.

And Mnifters of the fecond Rank, who are the ordinary

And Maniferrof the forond Ruck, who are the ordinary Refidents. See Rullinstr.

Those of the first Rusk have a Reperfensive Clar-restler, which the other have not; that the first re-stler, which the other have not; that the first re-tired the control of the control of the first re-lative that the first re-lative the control of the first re-gion to the clayeries. See Strains. In this follow for the Manifers of the Minister of the Thomassium, See Marinary, Eff. Atmost, the Opinit, the forond Septon, on Depart of Atmost, the Opinit, the forond Septon, on Depart of Commongraphics. See Equipment.

Superior, or Rector. See Jesuars.

The General of the Cordeliers Order is call'd the Minifer General. See GRNERAL.

MINISTRY, or MINISTERY, a Profession, Office, or Employment which a Person discharges for the Service of God, the Public, or some particular Person. See Mi-NISTER.

In this fense we fay, a Bishop must give account to God of his Ministry, &c.

of his state, Ministry is allowed for the Government of a State, by fome great Minister under the Sovereign Authority. In this fente we fay, the Ministry of the Cardinal de Riebelien, 8cc. MINISTRY is also frequently used as a collective Word,

MINIATAN is allo frequently used as a collective Word, gingsliving the Ministers or Officers of State. Thos we fay, the Ministry opposed a Thing 3 meaning, the Ministry MINILUM, a Mineral Colone, called also red Lead, used by Painters, Illuminers, &G. See Laan. Ministry is a preparation of Lead, performed by Fire. There are two ways of making it. The first, of burnt property of the Ministry of the Ministry of the Park See Crassia, Eff., or white Lead further anged to Fire. See Crassia, Eff., or white Lead further anged to Fire. See Crassia, Eff., or

by Fire. Sec CERUSS, &c. Befide the use of Minimum as a Colour; it is also an Ingredient in an Officinal Composition, call'd Emplastram de Mines, used as a Deficeative and Cicatrizer.

Some Authors will have the Musium of the Antients to be what we now call Fermillion. See VERMILLION.

MINOR, a Latin Term, literally denoting left, afed in opposition to mojor, greater. See Major.

Thus we fay St. James minor: Alia minor: The Minor Excommunication, &c.

The four Many Orders, are the four lefter Orders confer'd, in the Results Church, between the Tonfure and Subdescentite. These are that of Parter, or Door-Keeper's that of Render; that of Especist; and that of Lowyre. See

that of Render's that of Essends 3 and that of Newlyte. See Expensive, ACONTR, Ed.

Minor, in Law, is used in the like fignification, to denote a Person yer lander Age, or who by the Laws of the Country, is not yet arrived to the Power of Administrage his own Affairs, or coming to the Inheritance of an Essence of the Person of the Inheritance of an Essence of the Person of the Inheritance of the In flate. Sec AGE.

flate. See Aor. Among us, a Perfon is a Moor till the Age of twenty one: Till this Time his Atls are invalid. See Majon. Yet if a Parton, See, have a Right of Adrewson, by the Common Law he may prefent at the Age of fourteen Years and may of himfelf, and without his Pather, or Custrdian, confent to any Process relating to beneficiary. Matters. See Parmon.

Hence, in the Canon Law, there is no Title de Minoribura

and the reason is, that the several Ages whereat the Comand the reason is, that the leweral Ages whereat the Common Law declares a Perfon capable of a Benefice, or of Sacred Orders, are so many Species of Canonical Majorities, Musors, in Lugic, is the second Proposition of a formal, or regular Syllogism, call'el also the Assumption. See Systems of the Agent Parks of the Park

or regular systogism, call'd alto the Affonypion. See Svi-Logism, Parofortiron, and Assumption.

I grant the Major, but deny the Monry. See Trans.

Minon, in Music, is apply'd to certain Concords, which
yet differ from other of the fame Denomination by a half
Tione. See Sant york.

Thus we fay, a third Monry or leffer third: A fixth

Major, and Minor. See THERD, SECTH, &c. Concords that admit of Major and Minor, i.e. greater, and lefs, are faid to be Imperfeit Concords. See Concord.

MINORS, or Friars Minors, an Appellation which the Cordeliers affume, out of fhew of Humility; calling them-felves Frares Minores, i. c. Leffer Brothers; and fometimes See Cordeliers.

The Title of Minus, however, is not absolutely refirsin'd to the Cordeliers, but alfo given, in the general, to all the Mendeants, or begging Religious, founded by St. Francis d'Affe. See Franciscans.

There is also an Order of Regular Minus at Naples, eith-blished in the Year 1988, and confirmed by Sistar V. MINOT, a French Measure. See Measure. MINOTAUR, in Antiquity, a fabulour Monster, much talk'd of by the Poers 5 kign'd to be half Man, and half

Ball

The Minoress was brought forth by Pasiphae, Wife of Minor King of Crete. It was fluir up in the Labyrinth of that Island; and at last kill'd by Theseus. See Laby-

RINTH.

Stream gives the Explication of this Fable. He fays, that a Secretary of King Minot, named Taures, Bull, had an Intrigue with the Queen, Poliphoe, in the Chamber of Deddsirs and that the was at length delivered of Twins, one of which refembled Minot, and the More Taures. This

one of which refembled Minos, and the other Times. This occasion'd the Production to be reputed Monofitrous.

MINOVERY, a Trespal's committed in the Forest, by fomething that is a Man's Haudy-Wurk; as an Engine to catch Deer, &C. See Forus;

The Word is form'd of the French Main-seawe, Hand-Work.

MINSTER, antiently fignified the Church of a Mo-naftery, or Convent. See Church. The Word is Saxon, Mynfier.

The Word is Sixen, Mynffer.

MINSTREL, an ancient Ferm for a Fidler, or a Player
on any other kind of Mufical Infirament.

The Word Muffred in its Grigand, was used for People
who fung and ferenaded their Mithrelfer. A fire rewards it became a Name for all kinds of Muficians: and at length
pafs'd to Buffoons and Country Scrapers.

pals'd to Baltoons and Country Scrapers.

Bard Jerives the Word from Manus and Hiftris, one who
diverts with the Hand; or from Mines Hiftris, little Baltoon.

De Campe derives it from Mines Hiftris, little Baltoon.

De Campe derives it from Miffreile, a diministric of Minitter, by casion the Mingleris were antiently ranked among
the lower Officers, Minister, or Servants.

MINT, the Place where the King's Coin is form'd. See

COIN Antiently there were Mints in most Cities of England. See

MONEY. The chief Miss at prefent is in the Tower of London. See Tower

Towers. The Officers of the Mint are, r. The Warden, who is the Chiefe, and is to receive the Ballion, and over-fee all the other Officers. 2. The Majfer Worker, who receives the Ballion from the Warden, causes it to be melted, and deliver'd to the Moniers, and takes it from them again when inver d to the Moniers, and rakes it from them again when comind. 3. Comprisher, who is to fee that the Money be made to the juit Afflice, and to over-fee the Officers. 4. The Lafty-Miller, who weight he Silver and Gold, and fees whether is be Standard. 5. The Ladders, who takes all the Accounts. 6. The Sweeger of the Melting, who is to fee the Silver call out, and that it be not alter dather it is delivered. Silver call: out, and that it be not silver datter ins delivered to the Meleter, i.e. a fairer the ASMy-Malire has made to the Meleter, i.e. a fairer the ASMy-Malire has made that the lires be clean, and fit to work with. S. The Grover, who congravated Dies and Simps for the Coinage of the Money. 5. The Meleter, who metr the Ballion before it comes to Coinage, a. The Bellender, who bell and cleanful the Money. 11. The Powers, who keep the Gate of the Men. 21. The Power of the Men. 21. The Power of the Men. 21. for all the Moneyers, and over-fees them. And, Lafly, the Maniers, fome of which floar the Money 5 fome forge it; and fome flamp or coin it; and fome round and mill it. See Coinage.

MINT-Water, the diffill'd Water of the Plant of that ame. Sec WATER. Name.

MINTERS, or Moneyers. See Moneyers and Mint. MINTING, is fornetimes used for the Coining of Mo-See COINING.

ney. See COINING.
MINUSCULE, or Manuscule, in Printing, are the
finall, or running Letters; as contradiffinguish of from Maissosie, or Capitals. See Letter, May use oute, the
MINUTE, in Geography, and Altronomy, is the 6th
part of a Degree; which is the 36oth part of a Circle. See DEGREE.

Thus we fay, the Diameter of the San is feen under an Angle of 39 Minutes in Winter; and 31 in Summer. See

DIAMETER and SUN.
In this fenfe, a Minute is also call'd a Prime, or Prime Minute. See Paims. The Divisions of Degrees are Fractions, whose Denominators increase in a Sexagecuple Ratio; that is, a Minute or Prime is m 15; a Second, or second Minute = 1500. Second

Frince is may; 3 a Science, or recome a reason — reason.

In Attenomical Mables, &c. Minuter are expectfled by acate Access, thus, 5 Science by reco. "5 Thirds by Mayura, in comparation of Time, is used for the soch part of an Hour. See Hown.

MINUTE, in Architecture, is a 50th Part, or Division of Models. See Hown.

of a Module. See Mopung.

MINUTE,

MINUTE, in speaking of Weights, is the 14th part of a mention'd in this Patsage, made Presents to Mose of all rain. See GRAIN.

MINUTE, in speaking of Weights, is the 14th part of a mention'd in this Patsage, made Presents to Minute in the Present See the Jesus Minutes, in all of the Minutes, in the second of the Presents Comment on this Text. Grain, See GRAIN. MINUTE is also used to figurity a fhort Memoir, or Sketch of any thing taken halfilly in writing. In this seafe we say, the Memoir of the Proceedings of the Houle of Lords, &c.

The Word comes from the Latin Miners, finall.

MIQUELETS, a kind of four Soldiers, inhabiting the
Pyrenem Mountains; arm'd with Piftols under their Belts, a Carbine, and a Dagger.

The Manufestare dangerous People for Travellers to meet.

MYROZOLANS

MIRACLE, in the popular fenfe of the Word, is a Prodeg, or an extraordinary Event that furprizes us by its Novelty.

In the more Accurate and Philosophical Scale, a Miracle is an Effect that does not follow from any of the known Laws of Nature 5 or which is inconfiftent with fome known

Laws thereof. See NATURE.

A Manacle, therefore, being a fulpension of some Law, can't come from any hand less than his who six'd that Law. See God, Law, &c. Spinofa denies that any Power can superfede that of Na-

ture 3 or that any thing can diffurb or interrupt the Order of Things; and accordingly defines a Merale to be a rare Event, happening in confequence of fome Laws that are unknown to us. See Scinosiss. The Divines define a Moracle to be an extraordinary and weaderful Effect, above the Power of Nature, wrought by God, to manifelt his Power or Provinces co to give Credit to from McHenger front from himfelf. Thus Jefus Chris evinced the Tranhof his Million, and his Doctrino by

Muncles; and thus also did Majes It is fill a dispute in the World, how far it may be in the power of the Devil to work Miraeles or wherein the specific difference lies between the Miraeles of Mojes, and thofe of Pharmb's Magicians; thofe of Jefus Chrift and the Apostles, and thofe of Smon Magns and Aposonius Tyaneus; Whether the latter were any more than mero Delusions of

the Senfes; or whether any fupernatural and diabolical Power concurred with them. See Magic, The Church of Rome abounds in Miracles; if we believe their Writers, fome of their Monks have wrought more

Necessity for them

As full as that Church pretends to be of Saints, it is a Rule with them, that none are ever Canonized till there

Rule with them, that some are vere Canonimed till, there be good Proof of his having wronglin Monder. So that were all thate allowed good Monder, and to have happened some would be exempted to think there were no Order or Law of Names at 18, 25 abs 10.

ones as conclutions against them all.

The Ramans attribute Miracles to their Emperors Adrian

and Ve pofice

and e populars.

St. Anyfine is a fitning Advocate for Miracles. He men-tions feveral whereof he was an Eye-Witnefs, and others whereof he was informed by those that were. In the fingle City of Hupps, he tells us there were feventy Miracles may be a first of the property of the proper wrought in the space of two Years, on the building a Chap-pel in henour of St. Septem.

pel in benour of st. seg. sem.

The Miracles may prove the Superintendency of a volun-tary Agent 3 and that the Universe is not guided by Ne-cestility or Fato 3 yet that Mind must be weak and inadve-tent, which needs them to confirm the Belief of a Wife and Good Deity: Since the Deviation from general Laws, unless upon very extraordinary Occasions, must be a Presump-rion of Inconstancy and Weakness, rather than of a steady Wisdom and Power; and must weaken the best Arguments Wildom and Power; and must weaken the best Argaments we have for the Sagacity and Power of the Universal Mind. Impairs into the Original of the literate of Beauty, Sec. MRROR, or Miranours, or Specialum, Body which exhibits the Images of Objects prefented thereto, by Re-

exhibits the Images of Objelts prefeated thereto, by Re-figuies. See RL-LEULEN., mitter. Mettion is much of fraging. See RL-LEULEN., mitter. Mettion is much of of a brazies. Mettion, or Looking-Glish in Endon's xexviii. 8, where Mafes in file to have much as Instant. Anne, ne folios, of the Leulenia Califor this Wissens centimally fillushed as the Dart of the Talerinani. The Tartee, force in modern Commenzation, of the Talerinani. The Tartee, force in modern Commenzation, the Endonesia California in Endo. Bertin. But the mod-lected among the Abbits and all Bloth, But the mod-ther the California in the California in the California their Heads, were of Mentl ja and that the devotar Women of their Heads, were of Mentl ja and that the devotar Women.

Danjeaun's Comment on this Text.

It might likewise be proved, that the Antient Greeke made use of Beasen Mirrours; from divers Passages among the antient Poets. See Buanisto-Mirrour.

Mirragous, in Catoptrics, is any possibil Body impervious to the Rais of Light, and which of confequence reflects.

it equally. See Liour.
This Water in a deep Well or River, and fmooth polite Metals, are rank'd among the number of Mirrours.
In this fenfo, the Doctrine of Mirrours makes the Sub-

je & of Catoptries, See CATOFTRIES.

MIRROWS, however, in the more confined Senfe of the Word, is peculiarly used to figuify a smooth Surface of Galas, time for quick-silver'd on the back-side, which exhibits the Images of Objects opposed thereto.

The Destrine of MIRROURS is built on the following 1. Light reflected from any Microur, or Speculum, makes the Angle of Incidence canal to that of Reflexion; which fee de-monitrated under the Word REPLEXION. eneral Principles.

Hence, a Ray of Light, as AB (Tab. OFTICS, Fig. 26.) falling perpendicularly on the Surface of a Speculum, will be reflected back upon itself: which we find by Experience

it actually does. is actually does.

From the fame Point of a Marysur, therefore, there can't be feveral Rays reflected to the fame Point; fince in that Cafe, all the Angles of Incidence must be equal to the fame Angle of Reflexion C B G, and therefore the each other; which is abfurd. Not can the Ray A B be reflected.

into two or more Points; fluce, in that Cafe, all the Angles of Reflexion would be equal to the fame Angle of Incidence A B F: which is likewife abfurd.

or mechanic A B F v which is likewife abund.

2. From excep Finner of a littered, are refiglied Repy thream in I from excep. Finner of a radout Okel?

Some then May coming from different to Okel for the Common the I for the Common the Common threat of the Common to reflected back to the fame Point; the Rays which flow from different Points of the fame and the Common finest to the Common finest threat of the Common threat of the Common threat threat of the Common threat whence the Common finest threat of the Common threat whence the Common finest threat thr

Hence it is, that the Rays reflected from Morours exhi-Hence it is, that the stays reflected from supresser expi-bit the Objects to view. Hence, also, it appears, that rough uneven Bodies must reflect the Light in fach manner, as that Rays coming from different Points, will be blended or thrown confusedly together.

Minnouga are either Plane, Concove, Concex, Cylindri-i, Concoal, Parabelical, or Elipsical. Plane Minnouns, or Specula, are those which have a sin or flat Surface. See Plane.

plain or flat Surface. See PLANE.

Thefe, by a popular Word, we call Looking-Glaffer.
For the Marner of making plain Mirrouts, or Specula, fee LOORING-GLASS

Laws and Phenomena of Plain Minnouns.

1. In a plain Mirrout, every Point of an Objest, as A, (Tab.

I. In a plain Mirrous, every Pour of an Olyri, at A, (Tab. Orrice, Fig. 2), a) earn at the Intervallment of the Catheras of Jornace, A B, and the reflected My. Cli.
Jornace, A B, and the reflected My. Cli.
A by a sub-the reflected My. Cli.
Late that the control of the Control

behind the Morsen. And beare it is, that the firme Object has eady one transge, and there we don't feet it double with beath from. See Visions.

Be Visions. The Morse of the

as they really are below it; and that upfide down.

111. In a plain Mirrour, the Images are perfeitly Similar, and
equal to the Objetts. And hence their Ufe as Looking-

Glaffes.

IV. In a plain Mirrour, things on the right Hand, appear as on the left; and vice verfa. Hence also, we have a Method of Measuring any inaccessible Altitude by means of a plain Mirrour.

Thus, the Mirrour being placed horizontally in C, Fg. 18.

retire from it till such time as the Top of the Tree be seen

therein. Meafare the beight of the Eye D E 3 the diffusee of the Station from the Posts of Reflexion E C, and the diffusee of the Foot of the Tree from the fame. Then to EC, CB, and ED, find a fourth Proportional AB.

This is the Altitude Gought.

V. If a plann through Excellent to the Horizon in an Angle
V. If a plann through excellent to the Grand and any
service of the Angle of the Control of the Control
and an invitance of Origin Percentulary
to the Earth will appear perpendicularly over ity or if
the Earth will appear perpendicularly over ity or if
the Excellent of the Control
to the Con as are unacquainted with Catoptrics. And bessee we have a Method of representing ourselves as if

For a Mercer inclined to the Horizon under an Angle of 45°, we have observed, will represent Vertical Objects as if Horizontal. Consequently, a large Mercer being so difstorisonata. Contequently, a large narrow being fo dis-ported as no calvance toward it, you will feem to move horizontally; and nothing will be wanting to the Ap-pearance of flying, but to firthe out the Arms and Legs. It must be added, however, that as the Floor is elevated along with you, your Feet will still be seen to walk as along a vertical Plane. To deceive the Eye in-

tirely, therefore, it must be kept from the Feet.

VI. If the Object A B (Fig. 29-) be parallel to the Speculum C D, and be equally diffant from it, with the Eye3 the reflecting Line C D will be half the length of the Object

And hence, to be able to fee the whole Body in a pl And bence, to be able to tee the whole Sody in a plain Mirraw; is the right and breadth moft be half your beight, and breadth. Confequently, the height and breadth of any Object to be feen in a Mirraw, being given 3 we have all to the height and breadth of the Mirrawr wherein the whole Object will appear, at the fame diffance with the Free.

Hence also, as the length and breadth of the reflecting part of the Speculum, are lubduple of those of the Object to be reflected; the reflecting part of the Mirrour, isto the Surface reflected in a subquadruple Ratio. Consequently, the reflecting Portion being a contiant Quantity; if in any place you fee the whole Body in a Mirror, you will fee

it in every other place, whether you approach nearer, or re-

VII. If feveral Mirrours, or feveral Fragments, or Pieces of a Mirrour, be all disposed in the same Plane 3 they will only exhibit an Object once.

VIII. If two plain Mirrours, at X Y, and Z X, (Fig. 30.)

this is no point wittours, at A. X, and Z. X, (Fig. 30.) be paired at an engle X; the Eye O, placed unitar that edge, will fee the Image of an Object A placed unitar the fame, as often repeated at these may be Carbett drawn determining the the Images, and terminated without the Angle

Y X Z.

Y X Z.

Hence, as the more Catheti terminatedwithout the Angle, may be drawn as the Angle is more acute; the acuter the Angle, the more numerous the Images. Thus Z. Theler found at an Angle of one third of a Circle, the Image was represented twice or thrice, at 2 thrice, at 4 five times, at

twelve times. As welve times. Further, if the Marsars be placed opright, and fo contracted 5 or if you retire from them, or approach to them, till the Images reflected by them coaletce, or ron into one, they will appear monitorably different. Thus if they be at an Angle formewhat greater than a right one, you will fee it with only one Eye; if the Angle be lefs than a right one, you will fee three Eyes, two Nofes, two Moaths, At an Angle fill left, the Body will have two Heads Sc. At an Angle still lets, the Body will have two Heads. At an Angle fomewhat greater than a right one, at the diffance of four Feet, the Body will be headleft, Sc. Again, if the Morrous be placed the one parallel to the Horizon, the other inclined to it, or declined from it, it is eafy to perceive that the Images will be fill more Ro-mantic. Thus, one being declined from the Horizon to an Angle of 144 Degrees, and the other inclined to it; a Man fees himfelf standing with his Head to another's Feer. Hence it appears how Mirrouri may be manag'd in

Hence it appears how Mirrouri may be managed in Gardens, Etc. loss to covert the Images of those near 'em into Munifers of various kinds: And fince glass Mirrouri will reflect the Image of a locid Object twice or three; if a Candle, Ecc. he placed between the Mirrouri, it will be multiply'd an infinite number of times.

De mulisply (an infinite number of times.

On their Principles are founded various Catoptric Machines, fome of which reprefent Objects infinitely multiply and diffrances. Infinitely magnify d, and fet at vail diffances. See Caropanic, Claruta, 25...

Commen Magnatura are these whose Surface is convex.

Note, by Convex Surfaces, Authors generally mean fuch as are fpherically Convex. See Convexity.

Money of propering or a long classes, or Managuer.

There are diven Merical and of Jerre Arina, it particularly as to the Managuer. Campadison. Once of the best that is known; it given as by fingles that; if every perfect, and to the melled Med. as the of Micros Prince of the propering of the original and the melled Med. as from a the Mencary begins to evaporate into Smooth (which is preferrly deep; the whole Composit is to be decreased off. The Missare is then to be trained through a liner. Cloth revocat three fails and what is thus feeringly a liner. Cloth revocat three fails and what is thus feeringly an after Cloth revocat three fails and what is thus feeringly as the control of the Missare is the top of the land the Cloth revocat three fails and what is thus feeringly as the control of the Missare is the cost of the control of the Missare is the cost of the Missare is the cost that the Missare is the cost that the Missare is the cost that the Missare is the cost of the Missare is the Miss

pour'd anto the Cavity of a glass Sphere: this Sphere is to be turn'd gently round its Axis till the whole Surface is cover'd; the roft being referred for future ufc. If the Sphere were of colour'd Glass, the Marrows will

And in the fame manner may Couic, Elliptic, Cylindric, and other Mirrows be made. How they may be made of Metal, fee under Congres

MIRROUR. Laws, or Phenemena of Convex Mirrours.

I. In a Spherical convex Mirrose, the Image of a radiant Point appears between the Centre, and the Tangent; but nearer to the Tangent than the Centre

Hence, the diffuse of the Object from the Tangent is greater than that of the Image. And, confequently, the Object is further diffant from the Speculum than the

Object as returns to the control of the control of

III. If the Arch intercepted between the Point of In cidence, and the Cathetus or the Angle C form'd is the Centre of the Merson by the Cathetus of Incidence, and the Cathetus of Obliquation, be more than double the Angle of Incidence; the Image will be without the

IV. If the Arch intercepted between the Point of Incidence, and the Catherns; or the Angle form'd in the Centre of the Mirrour, by the Catherns of Incidence, and that of Obliquation be less than double the Angle of In-

that of Ubliquation be left it than double the Angle of in-cidence; the Image will appear within the Specialism.

V. In a course horrow; a remeter Point, A, (67:13.) is

very local to the Court of th

Points between A and B will be reflected from the inter-mediate Points of the Speculum between F and E. Con-fequently F E will be the Line that reflects A B. Hence alfo, a Point of the Carbetus B, feems at a greater diflance C b from the Centre C; than a more remote

one, A.

VI. A nearer Point B (Fig. 35.) not in the fame Cathetus
with a remoter, H 3 is reflected to the Eye O, from a
nearer Point of the Speculum, has the remoter H.
Honce, if the Point of an Object A, be reflected from
the Point of a Merrer C 3 and the Point of the Object B,
from the Point of the Object B, and the Point of the Object B,
from the Point of the Speculum D, all upon the Lame Point O: All the intermediate Points between A and B will be

O: All the intermediate Pents between A and B will be reflected from all the intermediate Points between Cand D. Confequently, the Image F G, of the Object B A, is contain d between the Cathetas B E, and A E. VII. In a florical convex Marrow, the Image is left than the Object.

than the Object.

And bence the Ulfe of such Mirrowrs in the Art of Painting,
where Objects are to be repreferred left than the Life.

VIII. In a convex Mirrowr, the more remote the Object's
the lefs its lunage: And again, the finaller the Mirrowr,

the less the Image.

the lefs the Image.

IX. In a convex Mirrows, the right hand is tern'd to the left; and the left to the right: And Magnitudes perpendicular to the Mirrows, appear toofy turvey.

X. The Image of a right Line perpendicular to the Mirrows, is a right Line; but that of a right Line cither ob-

lique to the Mirrour, or parallel thereto, is convex.

XI. Rays reflected from a convex Mirrour, diverge more

than if reflected from a plane Mirrow.

Hence Light, by being reflected from a spherical Mirrow, is weakned; and, consequently, the Effects of the reflected Light are weaker than those of the direct. Hence alfo, Myopes fee remote Objects more diffinelly in a con-Rays reflected from a convex Mirrow of a Imaller Sphere,

diverge more than if reflected from a larger. Confequent

ly, the Light is more weaken'd, and its Effects are lefs confiderable in the former Cafe than the latter. Concere Minnouns are those whose Surface is concave. SCE CONCAVE.

Note, by Concrete, Authors commonly mean Soberieally

The Manner of preparing or making Concave MIRROURS.

The Aumors p preparing or watering timezer antalocusi-First, a Moodal is to be provided for calling them. In order to this, take Claywell bey'd, palverine, and fift it; more in a power of the preparing the properties of their it; with this, work ap Harfe-Dung and Hair Introd final, all the Mask let difficiently tough it to mhich, on concision, may be added Clarenell-Dunk, or Brite-Dunk, well fifted, which was the properties of a gring promo-on one another with wer Strad between, all finel hume as whose merfelled live the other. Be with means a world's however merfelled with the other. Be this means a brite file

the one perfectly fits the other. By this means a perfect fpherical Figure is acquir'd.

The Mars prepared before, is now to be extended on "The Maily prepared before, it now to be extended on the Table by mense of a wooden Roller, till it is do in Thickneth proper for the Airways and then being throw? do with Britch-Pull to prevent in Sikking, in Italia over the convex Mondé, and so get the figure of the Merser. When this is dry, its sovered with another Lay of the fame Mails; which once dryd, each Cover, or Segment of the hollow Sphere made of Lay; a trans off. The intermedit of the two Deing land stick, the finne Mondé is the wooden from the control of the court cover, sensitive part of the cover, sensitive part of the court cover, sensitive part of the cover.

anoisted with greafe prepared from Chalk and Milk, and the oaster Coveragin put over it.

Lafilly, the Johns being coverd over with the fame Clay whereof the Cover is formed; the whole Mondie is boand together with Iron-Wire 3 and two Jioles cut through the Cover, the one for the malred Marier of the Marrow to be posted thee; the other for the fair to cleape as, to prevent the Johns who thing fould with Jiobbles.

The Mind thus prepared a pight parts of Coppers, one of Depth of the Coverage of the Coverag

English Tim, and five of Maschaftic, are metical tegether; a lattice of the mixtures is taken on withs Ludle, and if it be too real, when cold, more Tim is put in ji foo whine, before prepared, and fo aslitume the figure of a Morant. Some with ten parts of Copper mix four of English Tim. But the Assistance and Sal America, filtring the Massa-boat sale aga as np Fauer and fife from it. Others have other Competitions; many of which are defectived by desiston and Competitions; many of which are defectived by desiston and

Zabinia. The Morross being thus cast, is cemented to a Wooden Frame, and thus work deto and fro over the convex Stone-Mould, fifth with Water and Sand 3 and, lastly, without Sand, till it be fit for polithing. The Stone-Mould is then covered with Paper, and that simeard over with Trajob Dust and Calx of Time over which the Morross is work'd to and fro till it have got a perfect Polish. And in the fame manner are Glass Mirrows; polish'd, excepting that the convex Surface is there work'd in the concave Mould.

the convex Safface Bithere work'd in the concave Mould. When the Mirrors are very large, they are fixed on a Table, and fift ground with a gritry Stone, then with Pamice, then with fine Sand, by means of a Glafa cemented to a wooden Frame; and laftly mbb'd with Calx of Tin and Tirjot) Duth by a were Leather.

For concave Mirrors' of Glafs; the Mould is made of Albaltier: The reft, as in Mercal Mirrors'.

Laws and Phenomena of Concave Minnouns. Laws and Phenomena of Concave Minnovira.

I. If a Ray, as KI, [fry, 34] full on a concave Mirrour
LI, under an inclination of 60 Degrees, and parallel to
the Axis A B; the treflected Ray I B will concur with the
Axis A B in the Pole of the Glafib. If the Inclination of Axis E B in the role of the Galaxis. It is institutional the incident Ray be left than 60 Degrees, as that of E, the reflected Ray E F will concar with the Axis at the diffuse B F, which is left than a fourth part of the Diameter. And Br, which is lefs than a fearth part of the Diameter. And univerfally, the diffance of the Point P, wherein the Ray HE concurs with the Asis, from the Centre C, is to balf the Radius C D in the Ratio of the whole Sine, to the Cofine of Inclination.

Coinc of Incination.

Hence it is guthered by Calculation, that in a concave fiberical Mirrors, whole breadth fabrends an Angle of a Degrees, perallel Rays meet after Reflection in a part of the Axia lefs than the one theuland four bandred five feveral part of the Radius: if the breadth of the concave Mirrors bez., 18, 24, 39, 09, 50 Egoges 1 the rares of the Radius of the Concave Mirrors bez., 18, 24, 39, 09, 50 Egoges 1 the rares of the Radius of the Radius

part of the Radius if it he breadth of the concert Norma-bea, 18, 24, 50, or of Degrees of the part of the Asia wherein the parallel Rays meet after Refresion is left than 181 and 181 and 181 and 181 and 181 and 181 and than 181 and 181 and 181 and 181 and 181 and 181 and the fact the Rays difficied that the shade-fortice of the concert Norma, share reflection are constructed into a very finall computity the Light and Heat of the parallel Rays must be predigently interedid thereby, wins in a deplicate Rays of the breatch of the Norma, and the Diameter of the Carle wherein all the Rays are collected; in all factors that the Carle wherein all the Rays are collected; in the fines the Sun's Rays are, as to any purpofes on Earth, parallel,

(Ico Liony) no wonder concave Mirrows (hould burn with to mach violence. See Benning-Galsi.
From this Ismo Principle is likewife deduced a Method of recyclenting the Images of Objects in a dark Room; which for under Cannan Object in the Focus F, of a constitution, and the Constitution of the Constitution

parallel. Hence an intenfe Light may be projected to a vaft di-flance, by a lighted Candle, & placed in the Focus of a concave Mirrow. Hence alfo, if the parallel Rays be re-ceived by another concave Mirrow, they will again concur

in its Focus, and burn. Zabnini mentions an Experiment of this kind made at

Formula micross an Experiment of this kind made at Vienna, where two concave Maryanr, the one fix, the other three Foot diameter, being placed about 24 Feet apart, with a Live-Coul in the Focus of the one, and a Match and Tinder in the other, the Rays of the Coal lighted the Candla. Candle

III. If a lucid Body be placed between the Focus F, and the Mrrour H C B, the Rays after reflexion will diverge from the Axis B G. Whence it follows that Light is weakned by reflexion

ned by reflexion.

IV. If a lacid Body be placed between the Focus F, and the Centre, I, the Rays after reflexion will meet in the Axis beyond the Centre.

Hence if a Canalle be placed in G, its Image will be in K; if if the placed in K, its Image will be in intermediate Points between G and K the Sedlion of Light and the Company of t will be a Circle, and that fo much the greater, as it is neares the Point of Concourfe.

V. If a luminous Body be placed in the Centre of the Merron, all the Rays will be reflected back upon them-

Hence if the Eye be placed in the Centre of a concave Mirrour, it will fee nothing but itfelf, and that confusedly through the whole Mirrour.

through the whole Marrows.

VI. If a Ray falling from the Point of the Cathetus E,

(Fig. 35.) on the convex Mirrows E F, be together with its

reflex I F, continued within the Concavity of the Mirrows F

F H will be the Incident Ray from the Point of the Cathetus

H and F O its reflex. Hence, 1. Since the Point of the Cathetus H is the Image Indee, I. Since the router the Court is but the Point & the Image of H in the concave : if the Image of an Object reflected by a convex Speculum, be feen by a Reflection

nado in its Concavity, it will appear like the Object 2. Since the Image of an infinite Cathetus is lefs in a convex Glafs by one fourth of fits Diameter 5 a Portion of the Cathetus lefs than a fourth part of the Diameter, may appear of any magnitude required in a concave one.

3. A Point therefore diffant from a concave Speculum, less than & of the Diameter must appear behind the Mirrour at any distance, how great foever.

at any ditance, how great toever.

4. Since the Image of any Object how broad foever, is contained, in a convex Speculum, between the two Lines of Incidence of its extreme Points; if an Object be placed between the two Lines at a diffiance left bar jof its Dismeter, the breadth of the Image, how great foever, may

meters, the breadth of the Image, how great feever, may all appears.

If the interest of the interest of the Object included between two the control of the Distriction, and the control of the Distriction, may be made of any magnitude, how big feever: Objects placed between the Foest sound Mérora, must appear of enormous magnitudes in concave Mérorary at the Image being for the Control of the Objects and the Objects of the Objects in the Control objects of the Objects

5. In a convex Mirrour, the Image of a remote Obj appears nearer the Centre than that of a nearer Object : therefore in a concave Mirrour, the Image of an Object retherefore in a concave solvenir, the image of an Object re-mote from the Mirrow, appears at a greater diffance than that of a nearer Object, provided the diffance of the Ob-ject from the Centre be lefs than a fourth part of the Dia-

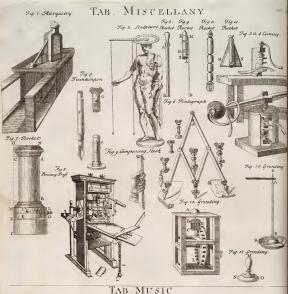
meter.

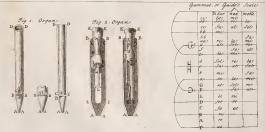
6. In a convex Speculum, the Image of a remote Object is left than that of a near one; therefore is a convex of the convergence of the con

nually lefs. meally lets.

§. In a convex Speculum, if the Sphere, whereof it is a Segment, be finaller, the Image is finaller than in another of a larger Sphere; therefore in a concave, if the Sphere whereof it is a Segment, be finaller, the Image will be larger than in another, whole Sphere is larger; whereoe concave Merway, if they be Segments of very (mall Sphere), will do the Office of Microtiopee.







VII. If an Object be placed between a concave Mir-rear and its Focus, its Image will appear behind the Mir-

row and its Focus, its Image will appear behind the Mer-row, in ancred but inverted Sinaution.

VIII. If an Object A B, (Fig. 56) he splaced between the Focus and the Crnte, its Image E F will appear in-verted, and in the opto Air, beyond the Centre, the Eye being placed beyond the Centre.

IX. If an Object E F he placed beyond the Centre C, and the Eye likewise beyond the Centre, the Image will

appear inverted in the open Air between the Centre and the

Hence, the inverted Images of Objects placed beyond

the Centre, are reflected by a concave Mirrow, erect, and may be received on a Paper apply'd between the Centre and the Poeta, effectally if the Room be dark: if the Object EF be further dillant from the Centre than is the Focus, the Image will be less than the Object.

Focus, the image will be lets than the Object.

On this Principle, concave Marrour, effecially those which are Segments of large Spheres, and are capable or effecting inter Objects, exhibit many pleasing Phenomens. Thus, if a Man floursh a Sword against the Morning Control of the Control of the Morning Control of the Mo reser, another comes out thereof, and meets him with the fame Motions; and the Image of his Head coming nut of the Mirrour, if he strike it with his real Sword, the imaginary Sword will thrike his real Head. If he thretch out reser, and meet it at a great diffunce in the open Air, &c.
And on the fame Principle are built Catoptric Cittulæ

And on the fame Principle are built Catopric Citiule, which when look'd into, exhibit Images willy bigger than the Cheft. See Catop when Citiule.

X. The Image of a tight Line perpendicular to a concave Mirrar, is a right Line; but all oblique or parallel Lines

are concave.

Cylimbrical, Covical, Parabolical, and Ell-prical MIRROURS, or Spenda, are those terminated by a Surface respectively Cylindrical, Conicel, Parabolical, and Spheroidical. See CYLINDER, CONE, PARABOLA, Ge.

To prepare, or make Cylindrical, Conical, Parabolical, Ellipti-cal, and Hyperbolical Mirracours.

For Cylindrical and Conical Mirrocer, if they are to be of Glafs, the Method of preparing em is the fame as that al-

Glafs, the naction of preparing cm is the mane as security ready laid down for convex Merraurs.

If of Metal, they are to be made after the manner of Converte Merraur, only that the clay Moulds there deferibed, require other Wooden ones of the Figure of the Merraur.

require other Wooden ones of the Figure of the Mr. var. For Elliptical, Parallelical, and Hyperbalical Mirraws, the Mould is to be thus prepared. On a Wooden or Brazen Plano or Table, defertise the Figure of a Bellyfit, a B, (Fig. 37) a Panishia, or an Hyperbala C D, (Fig. 38.) after the manner saught under those besses which done, cut out the Figure from the Plane with all the Accuracy imagine.

"No. is the Ellipsic Figure, fit an Axis, as F, with two Fulture forfisher, if G, and movement. Lay a Quantity of the Lay above deferribed under it; and turn about the Axis by the Handle, will the Plane AB have turn'd, or im-prefid the Ellipsical Figure exactly thereon. The Axis of the Parabolical, or Hyperbolical Figure CD, it to be fixed at the Vertex in fach manner as it above, till (labor or an internal Pureur on the CDs and and the property of the Parabolical Pureur on the CDs and the Parabolical Pureur on the CDs

above, till it have given its own Figure to the Clay apply'd about it.

about it.

The part of the Mould thus form'd, is to be dry'd, and either linear'd over with Fat, or fprinkled with Brick-Duth. Then a convex Mould to be made, by putting a Quantity of the fame Clay into the Carry's thus form'd. This latter is call'd the Mide, as the former the Female Monld.

The Male Mould being well dried, is to be apply'd within the Female; in fuch manner as only to leave the intended Thickness of the Mirrorr between them. The

reft as for concave Mirrowrs.

These Mirrowrs are not made without the utmost diffi-culty; by reason, be the Moulds ever so just, the Figure of the Mirrowr is up to be damaged in the Grinding.

Phenumena, or Properties of Cylindrical Mirnoung.

I. The Dimentions of Objects corresponding length-wife to the Mirnour, are not much chang'd; but those corresponding breadth-wife, have their Figures alter'd, and their Dimentions leften'd fo much the more, as they are further Dimentions letter of the much the more, as they are lattice from the Mirrow: Whence Arifes a very great Differtion. II. If the Plano of Reflexion out the cylindric Mirrows ther's the Asis, the Reflexion late performed in the fame man-ner, as in a plain Mirrows: if it cut it parallel to the Bafe, the Reflexion happens in the fame manner as in a fisherical Mirrows; if, lattly, it cut it obliquely, or be oblique to in Bafe, the Reflexion is the fame as in an Elliptic

Hence, as the Plane of Reflexion never passes through the Axis of the Morrows, except when the Eye and Ob-jective-Line are in the fame plane; nor parallel to the Base, except when the radiont Point and the Eye are at the same height: The Reflexion in a Cylindrical Morrow

nte iamie neogati. I hei richtswenin a Cylindrical Mersen in an Elliptic neoppoled diricelly to the Sun, initical of a Found of a Found of a Found, the Rays will be the Sun, initical of a Found of a Found, the Rays will be reficieden inva lacid Line parallel to in Asia, as a diliance formewhat lefs than a fourth part of its Damnette. Hence arfice a Method of Daving dimunsplipt, a te. will deformed Figures on a Plane, which appear Beautrial will be supposed to the contract of the Company of the Co

See ANAMORPHOSIS. For Edges, Pandolis, Onic, and Pyramidal Mirrors, we are not much acquainted with their Properties: Only ther, In the First, if a Ray first on it from one of its case, it is reflected into the other; So that a lighted to the control of the contro

Candle being placed in one, its Light will be collected in That the Second, inafmuch as all the Rays they reflect cer in one Point, make the best Burning-Glasses of all

And, Lattly, that wild irregular Figures may be for drawn on a Plane, as that the Eye being placed over the Axis of the two latt, they fhall appear beautiful and well-

proportion'd. See ANAMORPHOSIS.
MIS, a Particle prefix'd to divers Terms, particularly

wits, a Particle prent a to divers terms, particularly Law-Terms denoting fome Fault, or Defect.
As in Moprifius, Moldinere, to franclatine one; Milstore, to trach amin, Ele. See Misprasson, Ele.
MISANTHROPT, a general Hatred to Man, and Man-

kind : In apposition to Philanthropy. See PHILANTHRO-The Word comes from the Greek most, Odism, Hatred ;

CIDE.

Stamford diffinguishes between Aventure and Misson The first he makes to be meer Chance; as if a Man being upon, or ocar the Water, be taken with some sudden Sickness, and so fall in, and he drown'd; or into the Fire, and be burnt.

Mifarentsue, according to him, is when a Man comes to his Dearh by fome outward Violence, as the Fall of a Tree; the Running of a Cart-Wheel; the Stroke of a Horfe,

West distinguishes Homicide into casual and mix'd. The first, when a Man is stain by mere Accident, against the round of the Killer; as if the Ax fly off the Helve, and kill a Man; Which is the farme with British Mejarentee. MISCONTINUANCE, to Law, the same with Diston-tionard Scanner. tinuance. See Discontinuance.

MISDEMEANOUR, an Offence, or Fault, particularly
in the Execution of an Office.

High Crimes and MISDEMBANOURS, are Offences of a

heinous nature, next to High Treason.

MISE, a French Term, liverally denoting Expence, or Disbursement, wrote in Latin Misim or Misa; and used in

Dibbriement, wrote in Laura only or or organ; and attention or Law-Books in divers Acceptations.

First, as an bonorary Gift, or customary Pecfent, wherewish the People of Wales used to failute every new King and Prince of Wales at their Entrance upon the Principality. and Frince of water at their Entrance upon the Principality. Antiently it was given in Cartle, Wine, Corn, Es. for the Support of the Prince's Family; but when that Dominion was annex'd to the Engly6 Crown, the Gift was chang'd into Money. The County of Finit pays 2000 Marks, Es.

for their M/e. for them Mole.

The County of Cheffer also pays a Mile or Tribute of 5000 Marks at the Change of every Owner of the faid Earldom, for the enjoying of the Privileges of that Palatinate. At Cheffer they have a Mile-Book, wherein every Town and Village in the County is rated what to pay to-

ward the Mi/s Mifes are also taken for the Profits of Lands 5 sometimes

Mole are also taken for the Profits of Landa; formetimes for Taxes or Tallages; and therestimes for Experience for the Enterior of Experience for the Enterior of Landau (E. 1900). The Costs and Charges in the Enterior of Judgmeen, £50, for Costs and Charges in the Enterior of Landau (E. 1900). The White is nother Addison is called an Julius, in a White of Right, What in other Addison is called an Julius of the White is the Cost of the

Tet even in a Writ of Right, if a Collateral Point be 100 even m a write of Right, in a Collateria Foint be tryd, it is there call'd an iffue, not a Mife. See Right. Miss: is also used as a Participle, for cast or put upon Sometimes corruptly for Mosse, a Mediuage or Tenement. In forme Manora, a messe? Fines is taken for their a Mediuage or Tenement, as yields the Lord a Herriot at the Death

MISERERE, base werey, the Name, and first Word of one of the Penitential Pfalms; being that commonly given by the Ordinary to fuch condemn'd Malefactors, as are al-

low'd the Benefit of the Clergy. Whence it is also call'd

Tow'd the thencht of the Clergy. Whence it is allo call'd the Falms of Mercy. See CLERGY.
MISBERGE ME; is a kind of Colic, or Diforder of the Inneffines, wherein the Exerements, inflead of paffing off the common way, are thrown up by the Mouth. See

The Moferere mei is the fame with what we otherwife call Folvois and Hear Paffon. See LUAG Paffon.
It takes its Name from the intolerable Pain and Anguish it occasions the Patient; which is such, as claims Pity from

is occasions the Fatients, which is fach, as claims Pity from the Behelders: Mforer and being a Latar Parafe, which literally signifies, Jiace pity on me, MISERICORDIA, Mercy, in Law, is an arbitrary Americament or Panifitment imposed on any Person for an Offence. See Amarcament on the Plaintiff or Defendent in any Action is americally the Plaintiff or Defendent in any Action is americant.

ced, the Entry is always ides in Miscrosofte. It is thus call'd, according to Fitzbeilers, by reason it ought to be but small; and lefs than the Offence, according to the Te-

nor of Magna Charta. Hence, if a Man be unreasonably amerced in a Court mot of Record, as a Court-Baron, Es. there is a Writ call'd Moderata Miferiorain, directed to the Lord, or his Bailiff, commanding them to take moderate Americaments. See

MODERATA, &c. Mulita lenor fie dila, quad lenifima imponitor Mifericordia; Gravores enim mulitas Fices vocant; Arracifimas, Redemp-tiones. See Fine and Redemption.

Mifercordia Communit, is when a Fine is fet on the whole Adjeticosia communit, is when a rule is the state of County or Hundred.

MISFEASANCE, in Law, Middings or Trefpaffes.

Whence also Mistage, a Trespaffer. See Tarse ass.

MISNA, or Mischina, a part of the Jesujo Talmud.

Sec TALMUD.

The Mina contains the Text 3 and the Gernara, which is the fecond part of the Talmud, contains the Commenta-ries: so that the Gernara is, as it were, a Glossary on the

Minima Mylina to Christian S, us Water, a Cloudy to the Minima Minima Mylina confifts of various Traditions of the Jean, and of Explanations of feveral Patinges in Scripture. The Jean maintain, that it was compleated, and reduced into a Body, by Rabbi Jada, in the fector Century, to prevent the Memory of their Traditions from perifibing. Part the Grenerisity of the Learned Carte allow it of for much Anti-nersity of the Learned Carte allow it of for much Antiquity, and bring it feveral Centuries lower.

quity, and oring it everal Centuries lower.

It is written in a much purer Sile, and is not near fo full of Dreams and Visions as the German. See General.

MISSOMER, a Term in Law, compounded of the French Mes, which in Composition figuisfies aways, and neumer, and neumer, and the language that the fact of the composition of the first of the composition of the first of the composition of the fact of the composition of the composit

a milterming or milinaming. See Name for another 3
a milterming or milinaming. See Name.
MISPRISION, a Term in Law, fignifying Neglest, or Misemision of Treason, or Felony, is a Neglect or light Account shew'd of Treason or Felony by not revealing it,

when we know it to be committed; or by letting any Person, &c. on Suspicion of Treason, to go, before he is indicted. See TRRASON.

It is the Concealment, or not difclosing of known Trea-fon; for which the Offenders are to fuffer Impriforment during the King's Pleafure, and to lofe their Goods, and Profit of their Lands, during their Lives.

Milprifon of Felony is only fineable by the Juffices, before whom the Party is attainted; but Juffices of the Common Pleas have a power to affels any Americaments upon Perfons offending by M. profons, Contempts or Neglects, for not doing, or middoing any thing in or concerning Pincs.

mg zmes.

Mispalsion of Clerks, in a Neglect of Clerks in writing or keeping Records. By the Mispriface of Clerks, no Process finds the annual for officontined. And Juliuse of Affine shall amend the Defaults of Clerks mis-spelling of a Syllable or Letter in Writing.

MISSAL, Missall, a Massall, a Massall, containing the sevential of the the sevential

ral Mattes to be used for the several Days, Featts, &c. See

MASS.

The Millal was first compiled by Pope Zachary, and afterwards reduced into better Order by Pope Gregory the Great, who called it the Book of Sacrastons.

Each Discore, and each Order of Religious, have their particular Majal, accommandated to the Feath of the Pronce, or of the Order.

MISSELTOE, MISSLEYGE, OF MISLETOE, in Natural History, a Plant of the Paradite Kind; growing, not on the Ground, but on other Trees, as the Oak, Apple-Tree, Pear-Tree, Plamb-Tree, Acacia Americana, Beech, Chefnnt, Ge. See Panasire.

mai, f.C. See Parastru.

Afgliers, by Physician, Sec. call'd Frigors, goods as the height of about two Feet. It confine of ferreal Blenns, yellowing the confine of the seed of the friends of a flerid proceed with a fine filter of Membrane, and of a Heart; cover'd with a fine filver'd Membrane, and of a Heart; cover'd with a fine filver'd Membrane, and enclor'd with a vificid, gluinous Humour, of a whith Co-lour, wherein the Seed naturally buds or germinates, and puts forth two Eyes. From this Juice it is, that the La-tural denominate the Plant Visuw. The Fruit grows on

different Branches from the Flowers. That uncommon Soil, wherean the Meffeltee grows, has caffon'd abundance of fabulous Notions both as to its Pro-

duction and Virtues.

daction and Virtues.

Finy and most Naturalitis relate, that Thrashes being exceedingly fond of the Berries of the Milelton; they found from and call em out again on the Branches of Trees where they use to perch; and by this means give Occasion to a new Preduction of Milelton. By cracking the Berries to a new resulters in Influence. By cracking the Berrylle with their Bills, or Claws, they are inpepted to let out the Vifeous Juice, which facilitates their Sticking: And hence that Proverb, Turdus fibe cacus Malaws; the Vifeous being fornetimes used as Bild-Lime.

Mr. Bradley endeavours to refute the popular Opinion of the Antients, that the Seeds of the Mifelies could not vegetate. Their endeavouring to propagate it in the Earth without fuccess, he takes to have led them into the Error : without fucces, he takes to have led them into the Error:
And affers, that it may be propagated by Seed on any
Tree whatever. The Method too is very eafy. About
Christman, when the Berries are full ripe, you need only
apply them on the fmooth Bark of any Tree; the vifeid appry them on the imouth Bark of any Tree; the vificial Junces they are encompass? M withal, will make them flick g and, provided the Birds do not devour the Seed, you may, without any further Trouble, expect a young Plant the following Year.

Others rather chuse to account for the Propagation of Mississe from the System hereaster advanced for that of

Mildites from the Syliem hereaster assumed not that or displayments. St. WILBERGOME, if, I formed of the most Bill. For the Virtues of Mildites which time will have just Specific. Dr. Glitcher has wrote expertly to prove it in the property of the syling of the syling

The bett is the Myliters y lie Oak's the'li it in orthis which is commonly uffect, but that of the Applie or Pers-Trees. It is commonly uffect, but that the Applie or Pers-Trees but that the Leaves, Flowers, Frair, USs are all allike on whatever kind of Tree it grows: But others presented to diffinguish that of the Oak by Kveral particulars. The Virtues afferded to the Myliters, may perhaps be the Remains of the Religious Henous paid it by the austicat Gall's atmosp shown the Draid's, diffinibled contribution on the Commission of the Religious Persons and the Persons of the Religious Persons and Persons and Persons of the Religious Persons and Pe

Gauls; a meng whom the Draids, aftembled contently on the first Day of the Year, went in quest thereof with Hymns, and other Ceremonies and Rejoycings, distributing it again among the People, as a Thing facred, after having first confectated it, crying the gay Pole may, to proclaim the

new Year. See DRUIDS.

The Cry is fill kept up at Picardy, where they add Plantez, to wifh a picntiful new Year. M. Persuit observes, that the Mifeline is full of a poi-

and that the Fruit has always a difagreeable Tafte while it flicks on it

MISSEN-Must of a Ship, is a Mast, or round long piece of Timber, standing in the sternmost part. See Mast.

Some great Ships require two Miffen; and that next Next the Main-Mall; is the Man-Miffen; and that next the Poop, is call'd the Bonoventure-Miffen. When at Sca-they use the Word Miffen alone, they always mean the Sail, and not the Maft.

To change the Moffen, is to bring the Moffen-Tard over to the other fide the Math. To peck the Moffen, is to put the Moffen right up and down the Math. To fpell the Moffen, MISSION, a Term in Theology used to fignify a Power or Commission to preach the Gospel. See Gospel.

Jefus Chritt gave us Interpret near no gave in these words, Log, and teach & Manison, &c.

The Romanift: reproach the Proseftants, that their Minifters have no Miffors; as son being authorized in the Exercife of their Ministry, either by an uninterrupted Succeffion from the Apolites, or by Miracles; or by any ex-

traordinary Proof of a Vocation. The Anabaptifis deny any other Miffins necessary for the Ministry than the Talents necessary to discharge it.

Ministry than the Talents necessary to discharge it.

Ministry than the Talents necessary to discharge it.

ecalous for the Glory of God, and the Salvation of Souls, who go and preach the Gofpel in temote Countries, and among lefidels. See Missionary. There are Miffons in the East, as well as the West-

Among the Romanists, the Religious Orders of St. Do-mine, St. Francis, St. Augustin, and the Jesuits, have Missions

mine, St. Francis, St. Augustus, and the Uginit, have Miljoni in the Levans, America, St.

The Ugint have Miljoni in China, and all other parts of the Globe, where they have been able to penetrate.

The Mendicants abound in Miljoni.

Risanon is allo the Name of a Congregation of Priefle, and Laymen, initiated by Fore China VIII. on More the Union of Priefle of 10:24 by Project Usins VIII. on other the Thie of Priefle of 10:24 by Project Usins VIII. on other the Thie of Priefle of

in 1526 by Pope Usbal VIII. under the Little of Profit of the Congregation of the Milliam. There profes to make it their whole Bafiness to saffish the poor Peuple in the Country's and to this purpose oblige themselves accrete operate, or administer any of the Sacraments in any Town where there is an Archbishop, Bishop,

or Provincial refiding.

They are fettled in most Provinces of France, Italy, Germany, and in Poland.

At Paris they have a Seminary which they call the Foreign Moffon, where Youth are bred up and qualify'd for foreign Million

MISSIONARY, an Ecclefiaftic who devotes himself and his Labours to fome Motion, either for the Instruction of the Orthodox, the Conviction of Heretics, or the Conversion of Infidels

MISSIVE, fomething few to another. The Word is form'd from the Lasin Mete, I fend.

'd from the Latin Mete, I fend. this fenfe we fay Meffer Letters, or Letters Meffer. In i.e. Letters feat from one to another. See Letter.

In propriety, Letters Mayer are Letters of Butinefs; but not Butinefs of great concern in contradification from Letters of Gallantry, Letters on Points of Learning, Difpatches, &c.

patches, Gs.

MIST, a Metcor, call'dalfo Fey. See Foo.

MIST, in Natural Hillory, fee Chalcitts.

MITE, a finall Coin, formerly current; equal to about
out third part of a Farthing. See Monary and Coin.

MITE is file of small Weight used by the Moncyers.

It is equal to the twentieth part of a Grain, and is divided
into a Date. See Walnets.

into 24 Doin. See Welght.

MITHRIDATE, in Pharmacy, an Antidote, or Compe-fition ferving either as a Remedy or a Prefervative against

Mabridate is one of the capital Medicines in the Ap hecaries Shops; being composed of a vait Number of Drugs, as Opens, Myrib, Marie, Safton, Ginger, Cinnasson, Spikenard, brashmeenie, Cafton, Pepper, Gentian, &c. It is accounted a Cordial, Opiate, Sudorific and Alexi-

Mushieles fays it is more effectual against Poisons than Venue-Treacle; the eafier to be made-It takes its Name from its Inventor, Mabridates King of

it takes its Name from its Inventor, Milbridiers King of Frontar, whois fail to have for fortifyld his Body againft Poi-fions with Antidotes and Prefervatives, that when he had a mind to difparch himfelf, he could not have any Poifon that would have effect.

that would have effect.

The Receips of it was found in his Cabinet, written with his own Hand, and was carried to Rosee by Pempty. It was translated into Verte by Dosservates, a famous Phylician, and was afterwards translated by Galen, from whom we have his. The there is soon to imagine it has undergoon confiderable Alterations fince the time of its Royal Preferiber.

MITRALES Fiderale, Mirra at Valves, in Anatomy, two
Valves in the Heart; thus call'd from their refembling a

Mitre. See VALVE and Heart. They are placed at the Orifice of the Pulmonary Vein, the left Ventricle of the Heart. Their Office is to close in the left Ventricle of the Heart. ni me sets ventrate of the Heart. Their Office is roclofe the Orifice thereof, and prevent the return of the Blood through the Pulmonary Ven into the Langs again. See Pelmonary Fen, Clarcharten, & MITRE, a Pontifical Oramen; were on the Head by Biftlers, and certain Abbots, on Solemu Occasions. See Pettern Angus & C.

DISSION, ARROT, ES.
The Mire is reund Cap, printed, and cleft a top with
two Fannels hagging down the Shoulders.
The Abbots wear the Mne turned in Profile; and hear
the Crofter inwards, to thew that they have no fpiritual ABBOT, &c.

Jurisdiction without their own Cloifters.

The Pope has granted to fome Canons of Cathedrals the ivilege of wearing the Mitre. The Counts of Lyons are Privilege of wearing the Mirre. The 6 faid to have affifted at Church in Mirre.

and to nave entitled at Church in Matter.

In Germany, feveral great Families bear the Matter for their Creft 3 to fixew that they are Advocates, or Fendatories of antient Abbies, or Officers of Billions, 85c.

The Pope has four Marca, which are more or left rich reading to the Scale march the Full Matter.

according to the Solemnity of the Feast-Days they are to be were on-The Mirr was originally the Women's Head-Dreft, as the Hat was that of the Men. This appears from Servint, who reproaches the Trysnut, or Phygians, that were dreft'd like Women, and wore Mirres;

## Et Tunice Manicas, & babent redimicula Mirror.

The Cardinals antiently wore Marres, before the Haz which was first granted them by the Council of Lysses in 1245.
Authors make no meeting of the Mirre as an Episcopal Ornament before the Year 1000.

The Word comes from the Latin Mitra, of the Greek

MITER, in Architecture, is the Work-men's Term for an Angle, that is just 45 Degrees 5 or half a right nee. If the Angle be a quarter of a right Angle, they call it

To describe such Angles, they have an Instrument call'd the Mitre Square; with this they strike Mitre-Lines on their Quarters, or Battens: And for diffracth, have a Mirre-Box, as they call it, which is made of two pieces of Wood, each about an Inch thick, one nailed upright on the Edge of the other 5 the upper piece hath the Mire-Lines struck upon it on both fides, and a Kerf to direct the Saw in cutting the Mire Joints readily, by only applying the Piece into this Box.

into this Box.

MITRED Addons, fee Arrow.

MITRED Addons, a Weis, by which Records are

MITTHOUS, in Law, a Weis, by which Records are

reasked from one Court to anchor; i fometimes immedi
ately, as out of the King's Bench into the Exchanger; a

and fometimes by a Certification on the Chancery, and from

The Word is also used for a Precept airested by a Justice

The Word is also used for a Precept airested by a Justice

The Word is also used. For the recept airested by Lymines.

The Word is also ated for a Precept directed by a Justice of Peace to a Goaler, for the receiving and fals keeping a Felon, or other Offender, by him committed to the Goal. MIXT, or MIXT Bay, in Bittlioghuy, is the which is compounded of divers Bitments, or Principles; in contraditional on those which the Champing for profit to be Elementary, or confiffing of one Principle only; as they take Sulphut, Salt, Se. to be. See ELEMENT.
The Schoolmen define a Mixt Buly to be a Whole,

fulting from feveral Ingredients, alter'd, or new modified by the Mixture. On which Principle, the feveral Ingre-dients don't actually exist in the Mext, but are all changed, fo as to confpire to a new Body of a different Form, from the Forms of the Ingredients. But the modern Philoso-phers rarely conceive the Term in so much strictness. The Butiness of Chymitry, we say, is to resolve Mixe Buties into their Principles, or component Parts. See PRIN-

CIPLE, CHYMISTRY, Ec.

The School-Philosophers diffinguish Maxt Budes into Per-fest and Imperfest. Perfest Maxts are the Class of Vital or Animated Bodies, where the Elements or Ingredients they are composed of, are changed or transformed by a perfect Mixture. Such are Plants, Beasls, and Men. Imperfest Mixtu are inanimate Bodies, the Forms whereof

remain still the fame as of the logredients that constitute

remain itili the laine as of the logeotients that continues them: Such are Meterox, Minerally, Merals, get, Mixxy Figure, in Geometry, testas which confifts partly of right Lines, and partly of curve Lines. See Figures. Mixxy Nomeley, in Arithmetic, that which is partly an Interest, and partly a Fraction is at 4" to 4, See Face 7:00.

Mixxy Allow, in Law, is an Action of two different Natures; being purtly recl, and partly partly and See Actually the Actual Configuration of the Configuration of the Actual Configuration of the Co

100, real, perfenal.

A Mint Atten is that which lies both for the Thing deor a Mar Allon is that which feeks both the Recovery

of a thing we are unjuftly deprived of; and Damagos, or a Penalty for the unjuft detainment thereof. Such an Actions of Waffe, and Quare Impedit; Actions for Tithes on the ons of Walfe, and Quare impedit; Actions for a times on the Statute 2 & 2 & 25th of. Statute 2 & 3 & 25th of. Statute 2 & 5.

Mixx Tibes, ore those of Cheese, Milk, See and of the Young of Beasts. See Trynes.

Mixx Asset, according to Mr. Lock, is a Combination of

Mixer Méde, according to Mr. Leel, in a Combinative of feveral finispe lexicol editivenes (finise) does los at an Morro. Thus, Ressy, as it confide in a certain Composition of Colour, Figure, Proporties, G. et different Parta, cassing Desight to the Beholder, in a Morr Méde. See that in it Their, Marcher J. C., See S. Morro. The Mind, that Author debreve, being once farmifold with finisple lexas, cap as them toughten in forceral Compositions, without examining whether they exist to in Nature 1 and 1 and

ture together. And hence it is that the fe ldeas are call'd Notions; as if they had their Original and confuse Existence mee in the Thoughts of Men, that is the Reality of Things; and that to form feel Ideas, lifetieed that the Mind pat the Parts of them together and that they were confiftent in the Understanding and the parts of the Parts of them together and that they were confiftent in the Understanding.

the Speaker, fince the Language was made. the bycaker, since the Laeguage was made.

Complex Ideas are usually got by the Explication of
those Terms that stand for them. For since they consist of
those Terms that stand for them. For since they consist
the theory of the think of the think of the who
understands these theory of the that Combination of simple
them the think of the Words, the that Combination of simple
them are made and the think of the Words.

Ideas was never offer'd to his Mind by the real Existence of Things.

MIXT Ratio, or Proparties, is when the Sum of the An-tecedent and Confequent is compared with the difference between Astecedent and Confequent; as if 3 4 12 16

1 28 A See RATIO.

MIXTION, the Act of Mossing so the Union and Coalition of divers Corpuctes into one Body. See Mixt.

The Persysterics, who hold an Alteration effects in the Mossing, define it the Ucion of feveral alter 4 logicalisms, define it the Ucion of feveral alter 4 logicalisms.

or Miferbles. Maxies makes a confiderable Operation in the Chymi-cal and Galemond Pharmacy, MIXTURE, in a Philotophical fenfe, is an Affemblage, occursoo of teveral Bodies of different Properties, in the fame Mafs.

Jame Justs.

To determine the Ratio of the Ingradients of a Mistare, is that celebrated Problem proposed by Heeve King of Syramy's to Archaeoles, on occasion of a Crown of Gold wherein the Workman had firstadelettly mix'd Silver 3 the Solation whereof was matter of 60 much Transport to that distingt Machaeoles. divine Mechanic-

divise Mechanic.

It may be desermined that :

It may be desermined that :

It may be desermined that it may be deserved. Then find the state of the

yet fpon. Henora Mxnee, or mix'd Stuff, is that whose Woof and Warp are of Wools of different Colours dy'd and mix'd

Warp are of wood or current corons by a med mix a before they were fran.

MOAT, in Fortification, call'd alfo Føi and Ditab, a hollow Space or Ditch dag round a Town, or Fortrets to be defended, on the outside the Wall or Rampart. See

The Length and Breadth of the Most often depe The Length and Breadth of the Man often depends on the nature of the Soils scaending sain it Marthy or Rocky. A Dy Moar is that which is defilients of Water, and ongsite to deterget fines one which field of Water. Control of the Marthy of the Control of the Control of the Wall of Marion. When and Constretions are called with a Wall of Marion. When the Original Control being fomewhat remoded. The Borniel Moar seat the Rampart is my Ferti-faction in call'th the Soils, and the opposite one the Cas-miller of the Control of the Control of the Cas-miller of the Control of the Case of the Cas-miller of the Case of the Case of the Case-man of the Case of the Case of the Case-man of the Case of the Case of the Case-on of the Case of the Case of the Case of the Case-on of the Case of the Case of the Case of the Case-on of the Case of the Case of the Case of the Case-on of the Case of the Case of the Case of the Case-on of the Case of the Case of the Case of the Case-on of the Case of the Case of the Case of the Case-on of the Case of the Case of the Case of the Case-on of the Case of the Case of the Case of the Case-on of the Case of the Case of the Case of the Case-on of the Case of the Case of the Case of the Case-on of the Case of the Case of the Case of the Case-on of the Case of the Case of the Case of the Case-on of the Case of the Case

MOATAZALITES, a Religious Self among the Tarks.

MOATAZARTIEO, a retigious oct among the tarks.
There are two Opinions among the Tarkis Divines concerning God. The first admit Metaphysical Forms, or
Attributes; as that God has a Wisdom by which be is Wife; a Power by which he is Powerful; an Eternity by The Second allow God to be Wife, Powerful, Erernal; but will not allow any Form in God, for fear of admitting multiplicity.

a materplierty.

Thole who follow this latter Opinion are call'd Montasilves: They who follow the former, Sephalize,
MOBILE, Moveable; anything fufceptible of Motion,
or that is disposed to be moved either by intelly, or by foure
other prior Mobile, or Mover.

Prisses Mosile in the antient Aftronomy, was a ninth Heaven, or Sphere, imagined above those of the Planets and fixed Stats. See Spierre.

and nace bears. Occ spiners.

This was inprofed to be the fift Mover, and to carry all the lower Spheres round along with it; by its Rapidity communicating to 'em a Motion whereby they revolved in twenty-four Hours. But the diserval Revolution of the Communication of the communicat

Planets is now accounted for without the Affiliance of any uch Primum Wobile.

Perperma Massille, for Perferval Mation.

MOBILIA Bona, in the Civil Law, are what in Common Law, &c. we call Massables, or Massable Goods. See Move.

MOBILITY, in the Schools, &c. an Aptitude, or Facliny to be moved.

The Mobilety of Mercury is owing to the smallness and sphericity of its Particles; and is that which renders its Fixa-

tion fo difficult. See Mercury and Feration.

The Hypothesis of the Midday of the Earth is the most plaufible 3 and is that commonly admitted, by the latter Aftronomers. See EARTH.

Alteonomers. See E.A.ver.
Pepe Faul V. appeared Commissioners to examine the
Opinion of Opermost touching the Modeling of the Earth.
The Restlict of the Engoliny, was, a Pethinshim to estimatouch the Restlict of the Engoliny that it was absultly
true. That is, they also due the Modeliny of the Earth to be
subden as all typicates which pives an oxiy and feedible Sethere are all typicates which pives an oxiy and feedible Sefeedal the Modeliny of of the Investmy Motions is the
feedal the Modeling of the Commission of the
Tockin, or a real circlive thing; by precise they concern
Tocking the Tocking of the Commission of the Commission of the
Tocking or a real circlive thing; by precise they concern the
Tocking or a real circlive thing; by precise they concern the
Tocking or a real circlive thing; by precise they concern the
Tocking or a real circlive thing; by precise they concern the
Tocking or a real circlive thing; by precise they concern the
Tocking or a real circlive thing; by precise they concern the
Tocking or a real circlive thing; by precise they concern the
Tocking or a real circlive thing; by precise they concern
Tocking or a real circlive thing; by precise they concern
Tocking or a real circlive thing; by precise they concern
Tocking or a real circlive thing; by precise they concern
Tocking or a real circlive thing; by precise they concern
Tocking or a real circlive thing the precise they concern
Tocking or a real circlive thing the precise they concern
Tocking or a real circlive thing the precise thing the circlive thing the circli it contrary to Scripture,
MODAL, in Logic, &c. a Term apply'd to Propositions
containing certain Conditions, or Restrictions. See Con-

DITIONAL.

BIJIONAL.

MODL; or MOOD, in Philosophy, a Manner of Being; a Mount, or Subject, and the Quality, or Auribute of a Substance, or Subject, a Quality, or Auribute of a Substance, or Subject, and incapable of fubfilling attitudes, and the properties of fubfilling and the properties

Our Ideas of things may be reduced to two Kinds : The Our ideasor tongs may be required to two Nature bone of Things which we conceive feparately, and by them-felves, call'd Subjessers; and the other of Things which we conceive as exitting in others, in fuch manner as that we cannot allow them exificence without 'em; and thefe we

cannot allow them exificence without 'em's and these we call Mode, or Accidents. See Accessings.

Thus, when we restled to Was, and Roomdorfs's we consider the Was as a thing which may subsit without the Neumanness, when therefore we denominate a Substance; on Neumanness, which was a substance of the Committee of the Neumanness, which was a substance of the Committee of the Neumanness of the Committee of the Committee of the Committee of Roomdorfs distinct and first the Committee of the Committee of the Neumanness of the Committee of the Commit therefore we call a Mede, or Accident. See I DEA

therefore we call a Money, or accident. SER 198A. It is the Characterility, then, of a true Money, to have fach a relation to forme Subject, as not to be clertly and distinctly concertable without conceiving the Subject, where of it is a Money at the fame time: When, on the other hand, the conception of the Subject does not at all infer or require that of the Money. See Substance and the Money of the Mone

require that of the Moor. See Substance.

Thus, what gives us to know that Thought is not a Mode of extended Subflance, or Matter, it, that Extension, and the other Properties of Matter may be divided from Thought, without ceasing to conceive Thought all the while. See Trade in Extragellary 1860.

without configure to conceive. Thought all the while. See TIDNALING, BEYNSTONS, ER. We always consider Things as clothed with certain Mee's except when we ricked on the Abstract, or General: And it is the Variety of Medin, and Relations, that configure to the Abstract of Configurations of the fame configuration of the Abstract, a.g., that make all the Diversity of Inner Meet all the Diversity of Inner See Relations, May Tea, G., The These are various Divisions and Kinde of Medin: One of the word common, is time Internal and Statemal.

the most common, is into Internal and External.

Internal Mones are those inherent in the Substance, as

Roundness in the Bowl 5 Flatness in the Nose; Crooked-

nofs in the Finger, &c. nels in the ringer, Ed. Thefe, we have observed, cannot exist, nor even be con-cived without the Subject, as being only Circumstances thereof, or even, according to some, only the Subject itself considered, and simply, but assects. Thus the Roundnet of the Bowl, is only the Bowl itself considered as round,

Essensi Monas are those extranous to the Sabject ; as when we say a thing is defired, loved, beheld, &c. These coincide with what we call Relation. Add, that there are Maker which are likewise Sabslances, as Apparel, Hair, &c. which may subside without the Sabject.

Subject. State of the state of repeated; as a Dozen, a Score, Ge, which are only the Ideas of fo many diffinet Units put together.

Moses Modes are Combinations of timple Ideas of fe-veral Kinds; as in Ecasty, which conflits in a certain Composition of Colour, Figure, Efs. Theyr, which is the conceal'd Change of the Possession of any thing without

conceal a Change or the Froncisco of any thing without confern of the Proprietor, Egs.

With regard to Somple Model; that Author observes, that the Modifications of any finispel idea are as perfectly different and diffined Ideas in the Mind as those two the termone and inconsistent. Thus true is as diffined from three, which is the Mind as the Mind as

remote and measurem: I have now as a diffuser from trave, as Blindeeds from Reas. With this View he examines the Somple Medics of Space.

Space is a finiple idea, which we get both by Sight and Touch: When we confider it barely in Length between two Boddes, it is call'd Diffuser: When in Length, Breadth, and Thicknefi, it may be call'd Capacity: When tobe bodes, "Trait exit, "L'ypieder Wicker, an L'aggle, to confider'à levence he Extremisies of Matter, which fall the Capter'y of Spice with femching failt, temples, and moreable, it is all the Zingines in Man Extremison will be moreable, and the second of the control of the

SURE, Co.

SURE, Gr.
Another Model, or Modification of Space, is taken from the relation of the Parts of the Termination of Extension, or circumficial d Space among themselves; and this is what we call from: Thus, the Toach differences in featible Boolies, whole Extremities come within our reach is and the Eye taken both from foolerance for the Space and the Eye taken both from foolerance for the Extension of the Eye taken foolerance and the Eye taken foolerance while it is desirable from the Extension of the Eye taken foolerance while it is desirable from the Extension of the Eye taken foolerance while it is desirable from the Eye taken from daries are within its west where, otherring now the Lie tremities terminate, either in fleight Lines, which meet ar differnible Angles or in trooked Lines, wherein no Angles can be precieved; by confidering thefe as they re-late to one another in all parts of the Extremities of any Body or Space, it has the lake we call Figure: Which affords to the bind infinite Variety. See Figure.

stireds to the Nisid Infinite Variety. See Figura.

Another Mode belonging to that Head, is that of the Another Mode belonging to that Head, is that of the any thing, with reference to its diffuser from fome fixed and certain Points: Whence we fay, that a thing had not have one has not changed Pixe, when its diffuser either is, et also had not certain Points: Whence we fay, that a thing have exclain or coupser in: That this if o, we may easily gather from boice; that we can be any easily gather from boice; that we can be any easily gather from boice; that we can be more all the Pixes of the Universe it who we can of all in Parts.

Another Mode of Space, is the Idea which we get ! the flecting, and perpetually perifiling Paris of Succeifing, which we call Docation. The Simple Modes of it are any different Lengths of it, whereof we have diffined Ideas, as Hours, Davs, Years, Efe. Time, and Eternity. The Idea Hours, Days, Years, Ee. Time, and Eternity. The Idea of Sacceffor is got by reflecting on that train of Ideas, which conflantly follow one another in out Minds, as long as we are awake. See Succession.

The diffance between any Parts of this Succession is The diffance between any Parts of this Succession is what we call Duration 1. And the Continuation of the Existence of ourselves, or any thing else commensionate to the Succession of any Ideas in our Minds, is what we call our own Daration, or that of another thing co-existing without

thinking.

A Man having once got this Idea of Duration, can apply the doth not think: As it to things which exist, while he doth not think: And thus we measure the time of our Sleep, as well as that wherein we are awake. See DURATION

In regard to forme other Simple Mode, Mr. Lock observes, That the Mind has several diffined Ideas of Sliding, Rolling, Valking, Creeping, &c. which are all but the different Modifications of Motion. Swift and Slow are two different Ideas of Motion, the Measures whereof are made

out of the Diffances of Time and Space put together. The like Variety we have in Sounds; every articulate Word is a different Modification of Sound, as are all Notes

Word is a current Monineation of Sound, asset all avoics of different length part together, which make that complex idea call'd Time. See Times.

The Modes of Closers might be allo very various; fome of which we take notice of as the different Degrees, or as they are termed, Shades of the fame Coloar. But fine two feldom make Affemblages of Colours without taking in foldom make Affambliggs of Golpan without sking in Figure allo, are Brinning, Set. And on which are taken no Figure allo, are Brinning, Set. And on which are taken no foldom and the state of the state of the state. It is Bezury, Skinbow, Ge. All tomography of the state of the Sacher. As to the Mode of Thodales; when the Mode Innu in view levend upon a tileft, Thanking in the first discussion with the state of Thanking Perception assect to any Imperfism on the Dody made by an external Object, is called Gregation.

it is call'd Remembrance. When fought after by the Mind, and brought again in view, it is call'd Recallellon. When and Droughs again in view, it is call'd Recollellum. When beld there long under attentive Confiderations, it is call'd Contemplation. When Ideas float in the Mind without re-gard or reflection, it is call'd in Freech, Regery. When the Ideas are taken notice of, and, as it were, register'd in the Memory, it is Careston. When the Mind face its view on any one Idea, and confiders it on all fides, it is Intention and Ondy.

Of these various Modes of Thinking, the Mind forms as diffinet Ideas, as it does of White and Red, a Square, or a

Circle. For Mar'd Monas, there are three ways whereby we get the complex Ideas thereof. 1. By Experience and Obsfer-the complex Ideas thereof. 2. By Experience and Obsfer-the Complex Ideas the Complex Ideas of the Ideas of the Word Lie stands for, is made up of these simple Ideas :

(1.) Articulate Sounds. (2.) Certain Ideas in the Mind of the Speaker. (5.) Those Words, the Signs of these Ideas. (4.) Those Signs put together by Affirmation, or Nega-tion, otherwise than the Ideas they fland for are in the Mind of the Speaker.

Mixt Mides have their Unity from an Act of the Mind, combining those several simple ideas together, and confidering them as one complex one: The Mark of this Union is one Name given to that Combination. Men feldom rec-kon any number of Ideas to make one complex one, but fuch Collections, as there he names for. Thus, the Killing of an old Man is as fit to be united in one complex Idea, as that of a Father; yet there being no Name for it, it is not taken for a particular complex Idea; nor a diffined Species of Action from that of Killing any other Man 1 Those Collections of Ideas have Names generally aff which are of frequent use in Conversation 3 in which Cases Men endeavour to communicate their Thoughts ro one another, with all possible dispatch. Those others, which they have feldom occasion to mention, they lay not together,

nor give them Names.

This gives the Reason, why there are Words in every Language, which cannot be rendred by any one fingle Word of another. For the Fathions and Customs of one Nation make feveral Combinations of Ideas familiar in one, which another had never any occasion to make. Such were, "Oregus uls, among the Greeks; and Proferip is among the Romans. This also occasions the constant Change of Languages; because the Change of Custom and Opinion brings with it new Combinations of Ideas, which, to avoid long Descriptions, have new Names annexed to them, and

long Dicterptions, have now Names amexed to them, and for they become new Species of Morel Motils are had roof. for they become new Species of Morel Motils are had roof, mixed Moter made out of them, are Thinking, and Motion, (which comprehend in them all Action) and Power, from whence thefe Adlions are conceived to flow. For Adlions being the great Bafford of Manchi, it is no wonder that the feveral Moter of Thinking and Motion, flood be taken mixed of a substantial and the substantial and the substantial mixed of the substantial and substantial and the subst Memory, and have Names affigued them. For without fuch complex Ideas with Names to them, Men could

fuch complex Ideas with Names to them, Men could notestily hold any Commonication about them. Of this kind are the Moder of Aflicas didlinguished by their Casles, Means, Objecks, Ends, Instrument, Time, Place, and other Circumstances; as also of the Powers futed for those Aflicas. Thus Boldenfis is the Power to re fused have the instead, without Fear or Diforder; which Power of doing any thing, when it hath been acquir'd by frequent doing the fame thing, is that Idea we call Hafit; and when forward and redsy upon every Occasion, to break into Allon, we call it Displanus. Thus Tellimels in break properties a Displanus. Thus Tellimels in La Displanus and Displ

corpored Agents, nothing all the Madifications or Némines.

Whateree for or Alchos, bedeet steels, produces any way.

World which form to express from Allons, figatify many World which form to express from Allons, figatify months of the Allons, but barely the Erfed, with form to Circumfinace: of the fishiped wangible control in them to Madification of the Allons, which was the control of the Allons of the Allons, or Manner whereby they are produced, but burely of the Cautie, and the Thing done. And when were all the Allons of the Allons, or Manner whereby they are produced, but burely of the Cautie, and the Thing done. And when were all the Allons of the Allons, which was allong the Allons, which was alloned to the Allons, when the Allons, we will supplie the Effect, ven. that the Water that the Water that the Allons of the Allons whereby is in done.

was orner mate, in recome nart after outside con-inquiring any blee of the Alchae that I cens to preferre their Effences, and to give them their Isling Darstion. The Cellection of Ideas is made by the Minds but the Name is, as it were, the Knot which ties them fait tope-ther: Hence we feldom take any other for diffined Spe-eited marked blades, but fach as are fetout by Names. We mail tollerer, that the Names of shored blader always figmust observe, that the Names of mixed Mides always fig-nify the real Effences of their Species; which being norbing but the abstract complex bless, and nor refer d to the real Exittence of Things, there is no fappefition of any thing more fignified by any Name of a mexed Abde, but barely that complex idea, the Midel itfelf has form'd which when the Mind has form'd, is all it would express by it, and is that on which all the Properties of the Species de-pend, and from which alone they flow; and fo, in thefe, the real and nominal Effence is the fame.

This alfo fives the Reaton, why the Names of mixed Mades are commonly got, before the Ideas they fland for the Ideas to Species of the Ideas for Names, and Ideas for Names, the Ideas for Names for and those Species being complex Ideas made arbitrarily by the Mind, it is convenient, if not necessary, to know the the flind, it is convenient, if not necessary, to know the Names, before we learn the complex ideas; unless a Man will fill his Head with a company of abitract complex ideas, which others having no Names for, he has nothing to do with, but to lay by, and forget again. In the neglinning of Languages, it was necessary to have the idea, before one gave it the Name; and so it is fill, where a new complex lidea is to be made, and a Name given it. In simple ideas, and Substances, it is obserwife; which be-ing such ideas, as have real Existence and Union in Na-ture, the lideas or Names are got, one before the other, as

The Schoolmen make numerous other Divisions of Modes; as into Immediate and Mediate; Ellential and Non-Modes; as into Immediate and Mediate: Effential and Non-Effential: Positive and Privative: Of Spirit and of Body: t Thinking, and of Having.

Immediate Monas are those immediately attributed to

their Subjects or Subitances.

Mediate Monas are those attributed to Subjects by the intervention of some other Made.

Thus, e. gr. Motion is an immediate Misde of the Body 3 Knowledge of the Mind, &c. But Swiftness and Slowness are not immediately attributable to the Body; but only to the Body inrespect of the

Effential, or Inseparable Monns, are Attributes with

Efficial, or Informable Monnas, are Attributes without which the Subtrace cannot exit is a Wildom, Goodney, Power, gize, in God is Figure, Place, Quantity, Extendeng Geo. 16 No. Sec. ATTRIBUTE.

Now. Effortial, or Spendile Monnas, are Attributes affecting created Subtraces, and remaining mixed thereto fool long as it is necessary. The are Coldent, for Water:

Harderfs, of Stomes: Whitenesh, of Mills, gize.

Telfine Monnas, are these with give temperating real, perfective, and abolicate to their Orbitace. Thus Roundprivince, and abolicate to their Orbitace. Thus Roundprivince, and abolicate to their Orbitace.

penire, and another to their notioners, I has Kound-ed as a perfire Mode of a Globe, US.

Privative Monus are attributed to Subjects, when the Mind perceiving forme Attributes wanting therein, frames a Word, which as firlt fight feems to note formething pofi-tive, but which in reality only notes the want of forme Property, or Made. Thus a Privation of Light is attributed to a blind Man, Us.

Monze of Spirit are two, viz. Cognition, or Knowledge 3 and Willig. See Knowledge and William.

Mones of Body are three, viz. Figure, Reft, and Motion, See Figure, Rast, and Motion. Mones of Thinking are the fame with Effential Attrimtes or Medes See Effectial Mone.

bates or Madre. See Efferial Monz.
Monza of Harming, are those whereby any thing may be
had by another.
Monza of Harming, are those whereby any thing may be
had chire the state for of the first a thing, for inflance,
may be had chired by the Made of Quality, as Knowledge
by that of Magnitude, as Gircumference's by the Mole of
Fart, as the Hand, 45°.
Monze, it also fast in longle, for the Modification of a
Monze it also fast which renders it Modification of a
Tropolation, or a that which renders it Modification of a

Sec CONDITIONAL.

Sec LONDITIONAL.

MODE in Grammar, Sec Moorn

Mode in Grammar, Sec Moorn

Mode in Huffe, is defined by fome Authors, the particular Manner of conflicting the Octave; or the melodious

Confliction of the Octave, as it conflicts of feven Effential,

Confliction of the Octave, as it conflicts of feven Effential,

A More, then, is not any fingle Note, or Sound; but the particular Order of the concinnous Degrees of an Octave : The fundamental Note whereof may, in another fenfe, be call'd the Key, as it fignifies that principal Note which re-

gulates the refl

The proper difference between a Mode and a Key, confifts n this, that an Octave with all its natural and in ran, that an Octave with an its natural and concineous Degrees, is call'd a Make, with refpect to the Conditiution, or the manner and way of dividing it 3 and with refpect to the place of it in the Scale of Mulfe, that is, the Degree or Pitch of Tune, it is call'd a Key: that is, an Octave of Scander may be said to the Gow College and Video of Da. or Frich of Tune, it is call'd a Acy: that is, an Octave of Sounds may be raisd in the Imm Octor, and Kind of Degrees which makes the fame Mode, and yet be begun higher or lower; that is, be taken at different Degrees with respect to the whole, which makes different Keys: and from the fame Definition it follows, that the fame Keynray be found with different Modes; that is, the Extremes of two Octaves may be in the fame Degree of Tune, and the Di-vision of 'em different. See KEY.

vision of 'em different. See KNY.

Now it may be forther oblevred, that of the natural

Notes of every Mode, or Othroe, three go under the Name

of the efficial Notes in a peculiar manner, so, the Fundamental, the Third, and Fifth; their Othroe being recknowl the fame, and mark'd with the fame Letters in the

Scale: the rest are particularly call'd Dependent. Again,

the Fundamental is allo call'the famils; the Fifth the Dominante 5 and the Third, as being between the other two,

the McGinne. See Kr.v.

The DeChrine of the Amients with regard to Made, which
The DeChrine of the Amients with regard to Made, which
The DeChrine of the McGinne of the McGinne
The McGinne of the McGinne
The McGinne of their McGinne
They agree indeed, that a McGinne of their McGinne
They agree indeed, that a McGinne of their McGinne
They agree indeed, that a McGinne of their McGinne
They agree indeed, that a McGinne of their McGinne
They agree indeed, that a McGinne of the McGinne
The McGinne of McGinne of the Window, or as the whole
Notes are aware or graver, or fland higher or lower in

Facilities its very dark on with head as and deficience McGinne

Facilities its very dark on with head as and deficience McGinne

Facilities its very dark on with head as and deficience McGinne

Facilities its very dark on with head as and deficience McGinne

Facilities its very dark on with head as and deficience McGinne

The McGinne of McGinne

The McGinne

Th

the Solite of Music.

Provise is very dark as this head a and defines a Motor Decide in two quark and the fine of the Confine water process from the Epigenoanness of the Sylican In-mutation, or the A of the modern Sylican. Packing agages, that if this be all, they may be infinite, tho' they must be limited for Ufe and Practice. But, indeed, much the greater part define them by the Species Depaylor a and therefore only make Geren Mades 5 but as to their Ufe, we

are left intirely in the dark.

If the Modes be nothing but the feven Species of Oftaves, the Ufe of 'em can only be, that the Profitmbinsments of any Mude being made the principal Note of any Song, there may be different Species of Melody answering to those different Constitutions. But then we are not to conthose different Constitutions. But then we are not to eco-cive that the Proficial Americans, or Fundamental of any Made is fixed to any particular Chord of the Sylfem, v., e., when we would have a piece of Niclody of that Species, when we would have a piece of Niclody of that Species, When we fay in general, that fixed a Mode Equin sing, it is no more than to fignify the Species of Ollave as they ap-pear of the profit of the Sylfem of the Sylfe Chord of the System, and make it the Profices. of any Mon

by adding new Chords, or altering the runing of the old. If this were the true nature, and afe of the Tenes, most of the Endise must be imperfect, and incapable of good Melody, as wanting fome of those which we recton the effential and natural Notes of a true Most. Again, if the effential end natural Notes of a true Most. Again, if the effential end natural Notes of the Moste consist only in the Gravry eillenial ditterence of the Model confilt ently in the Gravry or Austrencis of the whole Oklary, then we may lappole one Species or concinnose Division of the Oklary, which being apply 3 to all the Chorac of the Sytlem, makes them true Fundamentals for a certain Series of fuecetifire Notes, by changing, as above, the Tone of certain Chords in fome cales, or by adding new Chords to the Sytlem. But that mult have been a lample Lind of Meledy, produced by admitting only one continuous Series, and that too want-

ing fome ufeful and necessary Chords. Music was considerably improved in the XIth Century by Guide Areumus; who, among other Innovations, reformed the Dollrine of Moder. It is true, they were at I defined by the Deckine of Moder. It is true, they were in I defined by the Species of the Ockave, in Pulony's manner, and their number was fix'd to feven; but afterwards caking occasion to consider the Harmonical and Arithmetical Divisions of we consider the Harmonical and Antimorical Durin no the Ockare, whereby it relavies some a 4th show a 5th or a 5th above a 4th, they beare constituted as Modes, or a 5th above a 4th, they beare constituted as Modes, the Antimorical State of the A

and the other has which and the year inghest, were can a Plagal Modes. See the Scheme amen'd, To these Modes, they gave the Plagal. Authentic. Names of the unitent Greek Tones,

us Davian, Phrysian, Lydian : But the feveral Authors differ in the Ap-ميد ريد plication and Order of these Name S that we are fill in great meafure ~~~~~~ S that we are still in great mecasure at a lofs what they meant by those distinction, and what their real use was. The best Account we can give is this 3. They considered that an Othere which wants a 4th or 5th, is imperfect; these being the Concords next to Othere, the Song ought to -d--a--d b-c-b-c -f--c--f d-g-d-g

touch those Chords most frequently and remarkably; and because their Concord is different, which makes the Melody different, they efiablished by this two Modes in every hat tural Offave that had a true 4th and 5th: Then, if the Song was catried as far as this Offave above, it was call'd Song was extract as his as this Othere above, it was called a perfeit Mole's of it left, as to the above this it was one appear where the sound of the control of the contr rence then in this method between the Authentic and Final jo gad Modes; that the Authentic goes above its Final to the Octave; the other afcends a 5th, and defends a 4th; which will indeed be attended with different Effects, but the Mode is effentially the fame, having the fame Final to which all the Notes refer. We are now to consider wherein the Mader of one Species, as Authencie, or Piagal, differ among themselves. This must either be by standing higher or lower in the Scale, i.e. by the different Tension the whole Office, or rather by the different Subdivision of the Offuve into its concinnous Degrees; there can be no other. We are to confider then, whether these Differences other. We are to comfider then, whether their Ultiremess are fufficient to produce fach very different Fields as are afficient to produce fach very different Fields as are afribed to the feweral Modes y for initiance, that the one produces Mirrl, another Saderlés, a third a proper for Religion, a fourth for Love, £%. That thele Effichs are owing merely to the Confliction of the Offace, fearce any body will affirm. The differences in the Conflictuation with. indeed, have forme influence, but it will be foliately, as that by the various Combinations of other Caufes, one of the basses may be used to different purposes. The greatest difference is that of those Collares which have the add, or 3d g, making what on other occasions we call the Sharp and

However, if the Modes depend upon the Species of Oc-taves, how can they be more than feven? And as to the ditinction between Authentic and Plagal, we have already observed, that it is imaginary with respect to any effectial Difference coollitated thereby in the Kind of the Melody; Difference constituted thereby in the kind of the wichout y for the the carrying the Song above or below the Final, may have different Effects, yet this is to be afcribed to other Caufes befides the Conflictation of the Octaves. It is other Caules Deligies in Continuou of the Octave. It in particularly observable, that those Authors who give us Examples in actual Composition of their twelve Modez, frequently take in the Artificial Notes # and b, to per-fect the Melody of their Key3 and by this means depart from the Continuous of the Octave, as it slands fix'd in the natural System. There is nothing certain or confident therefore in their way of speaking; but the Moder as all really reducible to two, we, the Sharp and Flar; the other differences respecting only the Place of the Scale where the Fundamental is taken

the Fundamental is taken.
The surrent Mader, befides their general Division into Authoritis and Fingal, had also their refrecience Names from Authoritis and Fingal, had also their refrecience Names from the Authoritis and Fingal, and the Authoritis and the Authoritis Authoritis and Authoritis and Authoritis and Authoritis and Authoritis and Authoritis Authoritis and Authoritis Authoritis Authoritis Authoritis and Authoritis A former, particularly the Hypo-Dorre, as being below the

The Devic Moder was a mixture of Gravity and Mirch, invented by Thomsons of Thrace. See Dorne. The Physican Moder was adapted to the kindling of Rage; invented by Marijas the Physian. See Phrace.

CIAN.

The Lydin MODE was proper for Funeral Songs; invented, according to Plans, by doublest. See LYDIAN.

The Mysolodian was invented by Sepples.

The Mysolodian was invented by Sepples.

levream. The Hypo-Lydian by Palymenfiet.
Beddet their Maders! Tous, old dustors have also introduced Motors! Tous, on Meditars of Notes.
Theirs a first were difficustived for Gerater and Left, and each of their egain into Perist and Impossible. But afternation of the Motors, which included the whole Butherlio of Times. A thoir Notes are now distilled,

whole Builinels of Limes. As those Mokes are now distled, they are hardly worth the rectinity, in such more Simple and Natural than any of those; a the Proportion, which is theirs varied, being in ours fixed, wise, a 1: 1. A Large equal to work of the Lange to two Berese's a Berec to two Semi-berces, Ex. proceeding in the fame Preportion to the last or lowed Notes. And if on them Coculous the Proportion

of lowell Notes. And a Ontone Ucculmon the proportion of 5: It between two factorities Notes in required, it is cally expected by sancking a Point (.). See Tims, Notes, Effect The American Head likewife their Med Macronales, of which drifflet names thefer, Deltyremble, Nomes, and Tragic, call'd Adule from their experiging the leveral Biotoma and Affection of the Mind. See Milledonary Affection of the Mind. See Milledonary and Configuration of Theorem 1 and Configuration of Theorem 2 and Configuration of Configurati

to copy or imitate.

St. PanPs Church is faid to be built on the Model of St.

Peter's at Rome. MODEL is particularly ufed in Building for an Artificial Pattern, made of Wood, Stone, Plaifter, or other Matter, with all its Parts and Proportions; in order for the better Conducting and Excenting of fome great Work, and to give an Idea of the Effect it will have in Large.

In all large Buildings, it is much the fureif way to make a Medelin Relieve; and not to truft to a bare Defign, or Draught. See Design.

There are also Models for the Bailding of Ships, &c.
There are also Models for the Bailding of Ships, &c.
Model, in Painting and Sculpture, is any thing proposed to be imitated.

Hence in the Academies they give the Term Madel to a naked Man, difposed in several Pollures, to give an Op-portunity for the Scholars to design him in various Views and Attitudes.

The Sculptors have little Models of Clay or Wax to affilit them in their Defigns of others that are larger in Marble, En and to judge of the Attitude and Correctnets

Marble, Gr. and to judge of the Artifuede and correctness of a Figure. See Figures.

The Strutaries likewife give the Name Model to certain Figures of Clay or Wax, which are but judt fathion'd, to ferre by way of Guide for the making of larger, whether of Marble, or other Matter. See Syxyre.

MODERATOR, in the Schools, the Perfon who pre-

MUDEKATOR, in the Schoolt, the Perfon who pre-fele as a Diffuser, or at a public Allembly. See Passinary. Such a Doctor was the Mottener, the Predictor at fact, MUDEKN, frenching new, or for ur Time 3 in oppo-tive to any thing Antique, or Antient. MORENA feets, according to Manda, are all those than MORENA feets, according to Manda, are all those than MORENA feets, according to Manda, are all those than the work of the Motter Philosophy com-mences with Gillera. The Motter Philosophy com-mences with Gillera. The Motter Allemony with Ca-mences with Gillera. The Motter Allemony with Ca-

mences was Galileas. The Modern Altronomy with Co-perments. See Phytrosophyr and Astronomy. Modern Meddels are all those that have been flruck Modern in Achielibre, is improperly apply'd to the perfect, or Irahm Manner of Balling; as being according to the Rules of the Amirjan. See Artique. Not is the Term left aburel, when artirabated to Architecture purely

Term lefs abuted, when account to the fact of the fact

what of its Delicacy and Solidiry; and partly of the Go-thic, whence it borrows Members and Ornaments, without Properson or judgment. See Arguitagements, without Properson or judgment. See Arguitagement. MODIFICATION, or Mode, in Philosophy, that which is madifier a thing; that it, gives it this or that manner of Being. See Mode.

Being. See Morz.

Quantity and Qualify are Accidents that make the Modification of all Redder. See Quantity and Quantity
and the Company of t

ing a certain Manner of being. thing a certain manner or verng.

Father Buffer establishes a new Part of Speech, which hie calls Manifeative. Nouns, and Verbs, he observes, are susceptible of divers Circumstances or Madifeations: In the Phrase Zeal affs, we have a Noon and Verb without any Modification; but in that, Zeal without Diference affs raffi-

ly, the Noun and the Verb are each attended with a Modi-

fication or Circumstance.

This last Kind of Words, which ferve to snodify Nouns and Verbs, since it has no general Name in the common Grammars, he chuses to call Modificatives. It includes what Grammarians commonly call Actorb, Conjuntion, and Pre-polition. Sec Conjunction, Preposition, Sec.

MODILLIONS, in Architecture, Ornaments in the Cornish of the Ionic, Corinthian, and Composite Columns. See CORNISH

in are little Confoles or Brackets under the Soffit of the Comifh, feeming to support the Lamier, tho in reality they are no more than Ornaments. See Cons reality they are no more than Ornaments. See Cossolli.
They one has always to be placed near the middle of the
Column. They are particularly affected in the Corinthian
Order, where they are usually enrich? with Sculpture.
The Modellim is usually in form of an Sinverted, and
fitted to the Soffit of the Cornilla. See Constant.

The Proportions of Middleons must be so adjusted, as to

The Proportion of Machiner mult be fin adjusted, as to produce a Regularity in the Parso of the Soffie.

The Investment of the Soffie of the S

the Function of the white the Commiss of Fediments, the Function of the white they were not allowed of in his time, in regard Madilions were intended to reprefere the Ends of Rafters, which could not be supposed to be used in a Fediment. See FEDIMENT.

Some will have the Madilions of a Fediment to represent

Purlins; and those at the Eaves to represent Rafters. Da-viler rather takes them for a kind of inverted Consoles or

Corbells.

The Maddison is sometimes also call'd Mutule, the Use has introduc'd a little difference between the Idea of a Maddline and a Mutule 3, the Mutule being peculiar to the Doric Order; and the Modilloria to the higher Orders. See

Murut The Word comes from the Italian Madigliane, a little Mesfure

Meature.

MODIOLUS, a Chirurgeon's Instrument, the fame with
Assprises and Trepanson. See Trepanson.

MODIUS, in Antiquity, a Kind of Bashel, or Measure
in use among the Romans for several Sorts of Grain. See

MEASURE.

MEASURE.
It contain'd about nine Englife Quarts.
MODO & Israna, in Law, a Phrafe used in Processes
and Pleadings, whereby the Defendant absolutely denies
the thing charg'd on him by the Plaintiff, Mads & Forma

The Civilians in the like fenfe fay, Negat allegata prost allegather, effe tera.

MODULATION, in Music, is the Art of keeping in, or changing the Mode or Key. See Monx.

Under this Term is comprehended the regular Progref-tion of the feveral Parts thro the Sounds that are in the

harmony of any particular Key, as well as the proceeding naturally and regularly from one Key to another.

The Rules of Modulation in the first fense belong to Har-

The Rules of monastrators in the first sense belong to Har-mony and Melody. See HARMONY and MELODY. We first here only add a word with regard to the Rules of Madulation in the latter sense. As every Piece must have a principal Keys and fines the Variety fo necessary in Music to please and entertain, for-bids the being confined to one Key; and that therefore it is not only allowable, but necessary, to medalate into

and make Cadences on feveral other Keys, having a Reand make Cacernes on several orner neys, naving a new lation and Connection with the principal key: It must be confidered what it is that confituetes a Connection between the Harmony of one Key and that of another, that it may be hence determined into what Keya the Harmony may be confidered with Powney or Configuration of the Configuration of

be hence determind into what Keya the Harmory may be conducted with Propiety. So Kary. As to the Manner in which the Bhildmine from one Key to another it to be performed, to that the Thatition may be easy and natural; it is not easy to fix any precise Relates for the it a chiefly performed by the help of into the Ney, into which the Harmony is to be changing to the Ney, into which the Harmony is to be change it is for various and naturals, which Manner of the major it is for various and naturals, as no Rules can easily circumfetthe. A general Notice in may be conceived.

circumferible. A general Notion or a may be considered under the following Terms.

The yth g in either flarp or flax Key, is the 3d g to the hf for the Key, by which the Cadence in the Key is chiefly performed; and by being only a Semi-tone under the Key, at the case of the Key, at the case of the case of the case of the Key, is thereby the most proper Note to lead into it, which it does in the most natural manner imaginable. Informuch that the 7th g is nover heard in any of the Parts, but the Ear expects the Key should succeed it; for whobut the Ear expects the Key fhould ineceen it; for won-her it be ufed as a 3d, or as a 5th, it always affect, us with fo imported: a Senfation, that we naturally exped fomething more perfect to follow, which cannot be more ca-fily and fimouthly accompliffed, than by the fmall interval of a Semiston, to pafs into the perfed Harmony of the Key. Hence it is, that the Transition muo one Key is betterfelted.

Hence it is, that the I raminion into one Key is bett elected, by introducing its 7th s, which fo naturally leads to it. MODULE, in Architecture, a certain Measure, or Big-nefs taken as pleafure, for regulating the Proportions of Columns, and the Symmetry or Distribution of the whole Building.

See COLUMN. Architects usually chuse the Semi-diameter of the hot-tom of the Column for their Medale; and this they subdivide into Parts, or Minutes.

Vignola divides his Module, which is a Semi-diameter,

into twelve Parts in the Tufcan and Doric, and into eigh-

into Verve Farts in the Lucau and Doric, and into cigateen for the other Orders.

The Module of Pallade, Scamozai, M. Cambray, Defisadees, Le Clerc, &c. when, C. W. which is allo equal to the Semi-diameter, is divided iero thirty Parts or Minutes in all the Orders.

ders. See Minura ders. See MINUTE.

Some divide the whole height of the Column into 20

Parts for the Dorie, 22½ for the Ionic, 25 for the Roman,

We and one of these Parts they make a Module, to regulate

Che and once of the Faren treey make a bloader, to regular the refl of the Bulling by.

There are two Ways of determining the Mediance, or Mexicare, which is sufficient to the Mediance of the Column, will'd a bloader, faithful the Dimense of the Column, will'd a bloader, faithful the Dimense of the Column, will'd a bloader, faithful the Column of the Column, will'd a bloader, faithful there are no Minneys of the Column, will'd a bloader, faithful there are no Minneys of the Column, will be a summy farm as are height a feed and will be a faithful the Column of the Column, and the Column of the Colu

Arentects: But the fecond, which was that chiefly used among the Antenta, is in my Opinion perceivable. Ferrante. At Turesian, in the Doric Order, has leften d his Medule, which in the other Orders is the Diameter of the Lower part of the Column; and has reduced that great Medule m a mean one, which is the Semildameter: I here reduce the Medule on third part for the fame reason, wis, to determine the creal Medule on the three differences without a Parklion. For in the Doric Parklion, and the Court Medule on the Court Medule of the Court Med Order, befide that the height of the Bale, as in the other Orders, is determined by one of these mean Mandeles the fame Module gives likewise the height of the Capital, Ar-Jame Mossie gives likewise the heights of the Capital, Ar-chitrare, Triglyphs, and Metopes. But our little Mod-taken from the third of the Diameter of the lower part of the Column, has Use much more extensive; for, by this the heights of Pedeltals, of Columns, and Emtablarares, in all the Orders, are determin'd without a Fraction.

As then the great Madde, or Diameter of the Column

As then the great Models, or Diameter of the Column, has 60 Minutes; and the mean Models, or half the Diameter, so Minutes; our Intle Models has 10. Id. MODUS Deciment, is when Land, a Sum of Money, or a yearly Pendion, belongs to the Parlon, either by Composition, the Models of the Parlon, either by Composition of the Column of the Models of the Mod

wove very close.

work every coor.

There are two kinds of Mohairs, the one functh and
plains the other water'd like Tabbys: The Difference
between the two only conflits in this, that the latter is
calander'd, the other not.

There are allo Mohairs both plain, and water'd, the

Moof whereof is Woollen, Cotton, or Thread.

MOIDORE, MONDORE, or MONDA, a Gold Coin,
fituck and current in Portugal. See Coin.

(567)

The Middere is properly their Piftele 3 and is equivalent to two Mille-Rees. See PISTOLE, &c. There are also Doppie-Micelas, or double Pifteles, and Demi-Pifteles.

MOIETY, a French Word, Moirie; fignifying the balf of

MODELL a stress was any thing.
MOINEAU, in Fortification, is a flat Baftion raifed in the middle of a Cartain when it is too long, and the Baftions of the Angles too remete to be able to defend one another. See BASTION.

MOLA, in Medicine, fee MoLz.

The Word is Latin, and literally fignifies a Mill-flone.

A new word St. Lattin, and Interative ingolines A Month John.

MOLA, in Anatomy, a Boot of the Knee, call'd alfo
Partia, Rossio, See. See PATELLA.

MOLA RES, in Anatomy, the Grinders, an Epithet given
to the large Teeth; as Ferving, like Mill-flones, to grind
the Food. See Therm. The Number of Molares is not always the fame. Perfons have rwenty; and others only fixteen, size four, or five on each fide of either Jaw. They are very large, hard, and firing; being failued into their Alveoli or

Sockets by feveral Roots.

MOLASSES, Molosses, or Melasses, that grofs, yet fluid Matter, remaining of Sugar, after refining, and which no boiling will bring to a confiftence more folid than that of Syrup; hence also call'd Syrup of Sugar. See Sugar.

and REFINING.

Properly, Maloffer are only the Sediment of one kind of Sugar call'd Chypre, or brown Sugar, which is the Refuse sougar call'd (Ltypee, or brown Sugar, which is the Refule of other Sugars not to be whiten'd, or reduced into Losses. Modificare much ulcd in Jislamd among poor People, for the Preparation of Tobacco, and inflead of Sugar. There is all on kind of Brandy, or Spirit made of it; but exceedingly unwholefome, and therefore much different and the Sugar.

but exceedingly anyhorotome, and unversure mass, our-couraged. See BRANDY.

MOLE, MOLA, or MOLA Carnea, in Medicine, a militapen Mas of hard Fleth, fometimes generated in the Wombs of Women, inflead of a Fetar 3 call'd also a faile Conception.

Conception.

The Mole is the Chans of an Embryo; and would have grown to an Infant, had not the Process of Conception been disturbed. Tho' it be without regular Bones, Viscora, 25f-, yet the Lineaments frequently are not in far effaced, but that there are some Remains of a Colid ; sometimes a Hand, and fometimes a Foot, have been spied ; but commonly the Secundines.

It is rare that more than one Mole is excluded 5 though Sennertus observes that there are Inflances of two, three, or even more. He adds, that the' they usually come alone, yet they have been known to come with a Fars, fome-

The Male is diffinguished from an Embryo, in that it has no Placenta whereby to receive its Nourishment from the Mother. Instead of that, it grows immediately to the Wornb; and is nourished thence. It has a kind of Vegetative Life, and continues growing in bulk till the time of exclusion. Sometimes it has been been in the Womb

for two or three Years.

for two or three Years.

This production is fixed to raifs from force Defect or
This production is fixed to Egg, or yechaps, from or
Male Secd's wanting force to penetrate it infliciently in
order to open, and expand the Parts. Or the Effect was
be accounted for, by Improfing an Onese to drop into the
Male Secd's wanting force to penetrate it infliciently in
order to open, and expand the Parts. Or the Effect
Male: I all which catch, the Egg, continuing to grow,
and yet wanting formething neceffary no organize and form
into me Embryo, becomes a Bageleid Lamp. Sec Est-

Authors are divided whether or no the Women ever bring furth Noles without any intercourfe with Mea. Some fay there are Moles which derive their Origin from the Menftruous Blood detaind, coagulated, and hardend; through which the Blood and Spirits have made themfolves Paffages, &c.

Sec MENSES

The Mole is diffinguished from a true Conception, by its The Mele is diffinguished from a true Conception, by its tremalous plaining, Motion is by its rolling from fide to fide; and by the Belly's five lining equally every way. The office of the second of the second of the second generated thereion is not rise Mills, but a crude Matter, form'd set the suppressed Mensles. To bring the Mele out of the Wornb, Bleeding and violent Parging are used, and at last strong Emmena-orgous. It lieft sign, recourse is no be had on manual Ope-goges. It lieft slig, recourse is no be had on manual Ope-goges.

The Latins give it the Name Mola, which literally figni-fies MW-flore, from its refemblance thereto in Form and

MOLE, Moles, a Peer, or Maffive Work of Mafonty, confiding of large Stones thrown into the Sea, in manner of a Bank, with defign to flut up a Port, and defend the

Veffels in it from the Impetuofity of the Waves, and to prevent the Paffage of any Veffel without leave. Thus we fay the Mole of the Harbour of Magna. See Pile.
The Word Mole is forecimes also used to fignify the
Harbour itself. See Harbour.

Among the Romans, Mole, Moles, was also used for a kind of Mansoleum built in manner of a round Tower on a square Base, infulate, incompass'd with Columns, and cover'd with a Dome. See Mauson Rum.

a Detre. Sec Marsinara, 1.

The Affrie of the Emperor Adrian, now the Calife of St. The Affrie of the Emperor Adrian, now the Calife of St. Origido, was the greater in, and most itsnelly of all the Affrica. It was trowed with a Bassen Then Affrica, where we agolden Unrecomming the Affrie of the Emperor.

MOLDEULIA, MOLECULA, in Physique a limit Main, or part of any thing. See Mass, 156.

These we key the Affrica, by Religionion, infinisating infall from the Affrica of the Monday when the Affrica of the Monday when the Monday w

their fide refift fuch division.

mounts in the man division.

MOLINE, in Heraldry, A Croft-Moline is that which turns round both ways at all its Extremities, the not fo wide or flarp as that faid to be Anchored. See Caoss.

In Upon, the Points are all cut off, which makes it very different from the Crofs Anchored. See Far the

MOLINISTS, a Sect among the Romanifis, who follow the Doctrino and Sentiments of the Jefuit Malina, relating to sufficient and efficacious Grace. See Grace, See.

Their great Antagonitis are the Janjenifts. See Jan-

SENISTS. a Seft among the Remeasiffs, who adhere to the Deltino Milmas.

Thefe are likewise call'd Quiesiffs. See Quirtista.

MOLMUTIN, or MOLMUTIN Less, the Laws of Demands Molsaura, XVIIk King of the Brinery, who began have been a compared to the control of the Compared Molsaura of the Compare and they continued famous therein till the time of William

and they common the Concept and Latin Poetry, the Name of a Foot confifting of three long Syllables: As duden, cantalant, Frantes. See Foot.

[Additional Contraction of the Concept and Contraction of the Contract and Contract Cantalant, Viriation. See Foor. It takes its Name either from a Dance in ofe among the People call'd Mologi, or Epirace; or from the Temple of Spapier Mologia, where Odes were fung, in which this Foot had a Share; or because the March, of the Mologi when they went to the Combate, was composed of these Feor, or had their Cachenec.

had their Cadence.

MOUTA, or Mouvrea, a Dawy, or Toil mid by Vaf-lave the Leed for griding their Cens to has Mil.

All the the Leed for griding their Cens to has Mil.

So the Charge of His, Feather, Siki, Horra, Voles, and other Diffusions of the Body of Animath, happening in Cone, amounted the Cone of the Hory of Animath, happening in Cone, amounted the Cone of the Cone of

Inflant. See TIME.

Moments, in the new Doctrine of Infinites, are the in-

finite final! Parts of Quantity. See INFINITE.

Memories are the fame with what we otherwise call Infinitefinals, Differentials, and Fluxions; being the Momentar

Increments, or Decrements of Quantity confider'd as in a continual Flux. See DIFFERSNITAL and FLUXION.

Moments are the generative Principles of Magnitude: They have no determined Magnitude of their own; but are

only inceptive thereof. See NEEFTIVE.

Hence, as it is the fame thing if in lieu of these Moments, the Velocities of their Increases and Decreases be menti, the Veloctries of their Increates and Decreates he made ule of, or the finite Quantities proportionable to fuch Velocities; the Method of Proceeding which confiders the Metions, Changes, or Fluxions of Quantities, is denominated by Sir II. Newton the Method of Fluxions. See

FLUXIONS. Leibnize, and most of the Foreigners, considering these infinitely finall parts or Infinitesimals as the differences of manitely mail parts of infinitelimals as the differences of two Quantities 3 and thereby endeavouring to find the differences of Quantities, i.e. forme Momen or Quantity infinitely final), which being taken an infinite Number of Times, final legal a given Quantity, call the Moment Differential and the Method of Proceedure, the Differential California See Calcurus Differentials.

MOMENT, in Mechanics, is the fame with Impetus, or Quantity of Motion in any moving Bedy; and fornetimes it is used famply for the Motion itself. See INTETUS. Moment is frequently defined by the Vir influs, or the Power by which moving Bodies continually change Place.

See VIs.

In comparing the Motions of Bodies, the Ratio of their Miments is always compounded of the Quantity of Mat-Manters is always compounded of the Quantity of Mat-cro, and the Calcity of the moving Body is fo that the Manters of asylacis Body may be comited as a Reclungle under inc Quantity of filture, and the Calcity), and lines ciprocally proportionable 1, therefore if the Moness of any moving floids or equal, the Quantity of Matter in one to take of the other will be receptedly as the Celerity of the latter to the Celerity of the formers of and, on the con-trary, if the Quantities of Matter saw recognically pro-positionally to the Celerity of the formers of and, on the con-trary, if the Quantities of Matters are recognically pro-positional to the Celerity of the formers of Quantities in

each, will be equaleach, with be equal.

The Montar alie of any moving Body may be considered as the Agercapte or Suns of all the Montart of the Party of

a fingle Person. See Government. The most antient Menarchy was that of the Affgrians,

which was founded fron after the Deluge-We usually reckon four Grand or Universal Monarchies, the Albram, Persian, Gresian, and Roman. But St. As-guiin makes them but two, ess. those of Babyles and Rome. There is no necessity to make the Medes, Persians and Greeks faceced to the whole Power of the Afgelans, to multiply the number of the Monrebes. It was the fame Empire till, and the feveral Changes that happed in it, did not constitute different Monarchier. Thus the Rawan Empire was fuceffiely governd by Princes of different Nations, yet without any new Monte by being formed thereby. Rose thereby was made thereby a Rose therefore may be faid to have immediately fucceeded Bahylon in the Empire of the World. See Essential Control of the World.

Of Monorchies forme are Absolute and Despotic, where the Will of the Monarch is uncontrollable; as France, &c. the will of the Monarch is uncontrollable; as France, &Co-others limited, where the Frince's Authority is refliciance, by Laws, and part of the supreme Fower lodged in other hands; as in England. Some again are Hereditary, where Succession devolves immediately from Father to Son; and

others Elective, where, on the Death of the Monarch, his Succeffor isappointed by Election, as Poland. The Word comes from the Greek warseys, one who go-

verns alone; form'd of ung folus, and aggs Imperin Government.

According to Hobber, Monarchy, as well as Aristocracy According to Holler, Monroley, as well as Artiflectracy, deprise all its Antherity from the People, who transfer all peoples, and the peoples and the Artiflectracy of the Artifl

ther.

Nor can the Monarch, fays he, oblige himfelf by any
Covenants, to any Perfon, for the Authority he has received; in regard he receives the Power from the People,
which, as form as that is done, ceafes to be a Perfon; and wosen, as soon as that is done, ceales to be a Ferfon; and the Perfon ceafing, the Obligation to the Perfon ceates of courfe. The People therefore are oblig'd to pay Obe-dience to the Monarch, by virue of those Covenants, when-by they mutually oblige themselves to what the People, as a Person, injoins to be done.

as a series, mjems to be done.

He argues further, that as a Momerch cannot be oblig'd
by any Cocenants is no neither can he do any injury to his
Subjects: an Injury being nothing elfe but a Breach of
Cocenant; and where there is no Corenant, there can be
no Breach. De Circ, eap. 8.

MONATERS of the company of Honfe, built Const. 19

MONASTERY, a Corroent, or House built for the Re-MONASTERY, a Convent, or floude built for the Re-ception of Religious, whether it be Abley, Prany, Nunrery, or the like. See ARBEY, PRIORY, Er. Monaffery is in a more immediate feele apply'd to the Hoaftes of Mendicant Friars, and Nuns. The rest are more properly call'd Convents. See Conventy. MONASTE, formerlying belonging to the Monks, or the

Manlefe Life. See Monx.

The Monaflife Profession is a kind of civil Death, which has the fame Effects with the catural Death. The Council of Trent, Se. fix, fixteen Years for the Age at which a Person may be admitted into the Manufficial Life.

St. Asthory is the Perfon who in the fourth Century first inftituted the Mossafie Life; as St. Pacsone, in the fame Century, is faid to have first fet on foot the Combinic life, i.e. Regular Communities of Religious. See Corno-

In a flort time, the Defarts of Egypt became inhabited with a Set of Solitaries, who took upon them the Monafile

Profession. See Solitary. St. Rafil carry'd the Monkish Humour into the East, where he compess d a Rule, which afterwards obtain'd throu a great part of the West. In the eleventh Century, the Monaile Discipline was grown very remish. St. Oss first began to retrieve it in the Monastery. of Clany

of Class. That Mondiers, by the Conditions of its Erection, was Than Mondiers, by the Conditions of its Erection, was the Mondiers of the Positions of their Effects, or the Elections of their Abbox. In surnse bereof, Effects, or the Election of their Abbox. In winness bereof, Effects, or the Election of their Abbox. In winness bereof, Effects, or the Election of their Abbox. In winness bereof, Effects of the Election of their Abbox. In which the Election of Computation of of Computati Pope, fo as to confirm one Body, or, as they now call it, one Religious Order. Till them, each Monaftery was independent of other, and fubject to the Bifliop. See On.

DER, ABBOT, RELIGIOUS, Es.

MONETAGIUM, MONETAGE, was entiently the
Right, or Privilege of Coining Money. See Many, Corn-

MONK, was antiently a Perfon who retir'd from the World, to give himfelf up wholly to God, and to live in Solitude, and Abstinence. See Raliology.

Such were the Hermites and Anchorites, who withdrew in-to Defarts, and lived remote from all Commerce of Mankind. See HERMITE and ANCHORITE.

The Word is deriv'd from the Laun Monachus, and that from the Greek minages, which fignifies alone; by reason the antient Monky liv'd in Solitude, as the true Monke Bill

Some Writers, as Father Helyet, Differt. Prelim. trace the Original of Monte up as early as the time of the Therapenta and maintain that there had been an uninterrupted Succes ion of Monks from the Therapeans to St. Anthony. Others, on the contrary, are contented with going back as far as St. Paul, the firll Hermite. See THERAPRUTE.

The Manks, at least the antient ones, were diffinguish'd into Solitary and Crassities.

The Solitary are those who live alone, in Places remote

from all Towns, or Habitations of Men, as do fill fome of the Hermites. See Sollyany. The Canaliter are thefe who live in Community with fe-

veral others in the fame House, and under the same Superiors. Sec Coenobite.

Those Houses again were of two kinds, viz. Monasteries and Laure. See Monastrary and Laurus. and Lair. See Monatthy and LAURUS.
Thole we call Mode non-adays, are Cendites, who live together in a Convent or Monattery, who make Vows of living according to a certain Rule citabilitied by the Founder, and wear a Habit which diffinguiffus their Order.
Those that are endow'd, or have a fix'd. Revenue, are

properly call'd Macht, as the Chartreux, Benedillines, Ber-nardines, &c. The Mendicants, or those that beg, as the narames, Ge. The menacans, or those that beg, as the Carthylans, and Francicus, are properly call'd Religious, the Names are frequently confounded. See Religious. The first Marks were those of St. Anthony; of St. Basil,

call'd in the East Calegors, from seads years, Good aid Man; and those of St. Jerom; the Hermites of St. Asgajtine, and afterwards those of St. Beweite and St. Bennard; at length came those of St. Francis, St. Deminio, with a Legion of o-thers, which see under their proper Heads. BENEDIC-

TINS, &c.

Minks are diftinguish'd by the Colour of their Habits

Into Black, White, Grey, Ec.

Among the Monks, fome are call'd Monks of the Choir, others Professed Monks, and others Lay Monks; which last others Projeffed Monks, and others Lay Monks; which last are deftin d for the Service of the Convent, and have nei-

are defining for the Service of the Covens, and have active Clericature on Literature. See Law, yreflet in the Houke, in opposition to Erra Mindt, who have Bearface depending on the Mocatley. They are dilinguished far-ther into Refewed, whom the Cavil and Excledibility and the Country of the Covent of the Cov

make their Vows, without obliging themselves to any new Reform.

Amiently, the Almir were all Laymen, and were only diffinguish from the relt by a particular Habit, and an extraordism's Pleasivan. Not only the Almir's were published. The contraction of the Pleasivan and the Pleasivan and the Pleasivan and the Almir and the Pleasivan and the Almir and Reform.

MONKS Rhabard, for RHUBARB.

MONKS Stars, among Sailors, is, when the Selved ges of Sails are laid a little over one another, and fewed on

both fide: TARIUS, a Name Antiquaries and Medalifts give to those who struck the antient Coins, or Monoys. All the old Reman, &c. Coins, have the Name of the Monetarus, either written at length, or at least the initial Letters of it.

MONEY, or Mony, Monera, a Piece of Metal mark'd for Coin, with the Arms of a Prince, or State, who make for Com, with the Arms of a Prince, or State, who make it circulate or país, at a common rate, for things of different Value; to facilitate the Eustoc's of Commerce. See Com-

MERCE.

Passis the Lawyer, defines Money a thing flamp'd with a public Coin, and deriving its Ufe and Value from its Imperition rather than its Subitance. If, de Contr. Empt.

Monf. Seazed defines it a piece of Matter to which public Authority has affixed a certain Value and Weight to

ferve as a Medium in Commerce The Era of the Invention of Money is not eafy to be stied. There is no room to doubt but that in the earliest

Ages, the ordinary way of Traffick among Men was by tracking or exchanging Commodity for Commodity. Thus in Honer, Glascas's golden Armour was valued as dred Cows; and Dismedes's Armour at ten. See Ex-CHANGE,

CHANGE.

But in courfe of time, it was found necessary in the way of commanative Justice, to have founce common Measure or Standard, according to which all other things should be chimated. This, as the Sew gather from Sofepher, was first incensed by Com: The the first tidings we hear of it, as in the time of Abodom, who paid 420 Sheekle for a Bury-

is in the time of Modelson, who paid the Sources for a many ing. Place.

The Greek refer the Invention of Money to Hermodier, Wife of King Mdats: And the Latin to Januar.

This being a common Meafure for reducing Wares to a which of Andis Samer. And the Leisus to Junea. We not a Bellance, it was still by the Greich Namica was from King. Same, but from Name, a being eithbilded by Law. By Ones, but from Name, a being eithbilded by Law. By Ones, but for the Samer Samer

Oreally experies Suchare Gaustas, Crowns, Piftoles, Lossi's, Pieces of Eribs, Ducart, &c. Which fee under their proper heads; as uffounder Coin.

heads; as altounder CIN.
heading Money, or Money of Account, is that which has never exilted, or at least which does not exilt in real Species, but has been invented and retained to facilitate the Stating of Accounts, by keeping them fill on a fixed footing, not to be changed like current Coins, which the Authority of the Sovereign raifes or lowers according to the Exigencies of

inc Successign railing to lowers according to the Laugenness. State. Of this kind are Pound, Livee, Manusches, Ge.

This Money of Account, M. Deiffart observes, is a Sum of Durey, or a certain number of Species which may change in Schiance and Ouanties, but never in Caulity. Thus fifty Subtiance and Quantity, but never in Quality. Thus fifty Pounds confills of fifty Pieces call'd Pounds, which are not Ponde confill of fifty Picces call'd Pounds, which are not act, but may be pairle feveral rest Species, as inGaineas, e.g., which are four the pairle feveral rest Species, as inGaineas, e.g., which are functiones higher, formetimes low Gaineas, e.g., which are functiones higher, formetimes low Gaineas, e.g., Martin, Farm, and Weeber Palen.

Qualities, via Mortee, Farm, and Weeber Palen.

Guilles, via Mortee, Farm, and Weeber Palen.

Guilles, via Mortee, farm, and Weeber Deale.

Guilles, via Mortee, farm, and Weeber Deale.

Guilles, via Mortee, farm, and Weeber Deale.

Guilles of the Control of the C

The Degrees of Goodness are expressed in Gold by Caracts; and in Silver by Penny-weights. See Canacts,

For there are feveral reasons for not coini and wishout alloy, was the great Lofs and Expence in refining them, the necessity of hardoning them to make 'em more dutable, and the scarcity of Gold and Silver in

'em more darable, and the learnty of void and gouver in moft Countries. See ALLOY.

Among the abient Brisses, Iron Rings, or, as fome fay, Inon Flaces, were used for Morey. Among the Leadens-whom Ion Lingers queenful with Vinegar, that they might not ferro for any other see. Somes observes, that there may be a supplementary of the contribution by Frederic II. at the Siege of Milas; to fay nothing of an old Tradition among ourfelves, that in the confided times of the Barons Wars, the like was done in Engined. But of the Barons Wars, the like was done in Engined. But the Barons is a superior of the Barons in the

Under the Form are comprehended the Weight, Figure, Impression, and Value. For the Impression, the Jews, the they detested Images, tet stamp'd on one side their Shekel, the golden Por which

bad the Manna; and on the other, Aaron's Red con the Oslands and on the other, Aurus's Red. The Durdnen, two Cocks fighting. Assander his Herfe Last-plants. The Abenius an Owl, or an Ox 3 whence the Provert on bribbed Lasyers, he are Lingua. They of Algans, a Small s Whence that other laying, Virusawa & Small s and the Algans, a Small s whence that other laying, Virusawa & Small s and the Algans, a Small s and the Cocial so their period the Issue and Interprise of the Cocial on their December of the Cocial while the Algans and Algans Coins while the Common-wealth floorifity of, and afterwards that of the Emperor on one fide is for hey always varied the Reverfe upon new Events or Exploits. Some think that the great Onne Medals both of Erafs and Gold were fittack thirtly to do honour, and preferre the Memories of great Men, but it is pretty plain they were carriers as well as the finaller. See Mannat and Madalather of the Memories of great Men, but of the Memories of the Me

This Practice of flamping the Prince's Image on Coins, has obtain'd among all civilized Nations; the Turks and other Mahamerans alone excepted, who, in detellation of Images, inferibe only the Prince's Name, with the Year of the transmigration of their Prophet.

As to the Figure, it is either round, as in England; mult-

angular or irregular, as in Spain; fquare, as in fome patts of the Indies; or nearly globular, as in most of the reft.

After the Arrival of the Remans in this Island, the Bri-After the Arrival of the Keesan in this Illand, the Bri-tans initiated them, coining both Gold and Silver with the Images of their Kings farmed on em. When the Reseast had fuldbacd the Kings of the Britans, they also impressed their Coins, and brought in their own a which were car-rent here from the time of Claudons to that of Valentinian the Younger, about the space of 500 Years.

Mr. Canden observes, that the most antient English Coin

Mr. Cassider oblevers, that the most ancient Englis Coin he had known was that of Elekhers King of Kenr, the first Christian King in the Island 3 in whose time all Mancy Accounts began to pass by the Names of Passads, Shillings, Pence, and Mancajet Commission of Passads, Shillings, Pence, and Mancajet Commission of Passads, Shillings, Pence Commission between the control of the Names of Passads, Shillings, Pence Commission between the control of the Names of Passads, Shillings, Pence Commission between the Commission of Passads, Shillings, Pence Commission between the Commission of Passads, Shillings, Pence Commission of Passads, Shillings, Pence Commission of Passads, Shillings, Shil

Perex, and Manufe.

Peace from brown'd from the Latin Peacesis, or rether from Peaks, on account of its juil Weight, which was about from Peaks, on account of its juil Weight, which was about with the King! I maper. The Government of the More Miller's, or the City's where it was coint'd, on the More Miller's, or the City's where it was coint'd, on the More Miller's, or the City's where it was coint'd, on the state. Five of the Peace made in Stilling, probably of the Peace and the Stilling, probably of the Weight of the More Miller's and the Stilling probably of the Weight of the More Miller's and the Stilling probably of the Stilling probable of the Stilling prob

But it must be observed, they had no other real somety, but Pence only a the rest being imaginary Money, i.e. Names of Numbers, or Weights. Thirty of these Pence made a Mancus, which some take to be the same with a Mark; Manca, as appears by an old MS. was quinta pars Unrice. See Mancus.

Untile, See Mancus.
Their Maccase or Mancus's, were recken'd both in Gold and Silver. For in the Year 880, we tend that hes King of the Weift-Stann, folliged the Kentifleen to be King of the Weift-Stann, folliged the Kentifleen to Peace at the price of thirty theafand Mancus's of Gold. In the Notes on King Capaci's Laws, we find this dilluter, that Mancus's was much is a Mark of Silver; and Manca a fquare piece of Gold, valued at thirty Pence.

Manca a quare piece of Gold, valued at thirty Fence.

The Dane's introduced a way of reckening Miney by
Ores, mentioced in Daws-Day Book; but whether they
were a feveral Coin, or a certain Sum, does nor plinily
appear. This, bowever, may be gathered from the AbbyBook of Bartine, that twenty Ores were equivalent
Marks. They had also a Gold Coin call d Bizantines, or Befants, as being coin'd at Confaminople, then call'd Bi-santium. The value of which Coin is not only now lost, but was so entirely forgot even in the time of King Edward but was lo catirely lorgot even in the time of King Edunyd the Third; that whereas the Bishop of Nursibi was fin'd a Bezantine of Gold to be paid the Abbot of St. Edward? Borry, for infininging his Liberries (as it had been enached by Patiancot in the time of the Cooperor) no Man theo Diving could tell how much it was foi it was refer to the King to rate how much be should pay. Which is the

unaccountable, because but an hundred Years before, two handred thousand Belants were exacted by the Soldan for the Ranforn of St. Lems of France; which were then valued at one hundred thou fand Livres.

Tho' the Coining of Mency be a special Prerogative of the King, yer the antient Saxon Princes communicated it to their Subjects; informed that in every good Town there was at least one Coiner; but at London eight, at Cantesbury tour for the King, two for the Arch-bifhop, one for the Abbet at Winchester, fix at Roclester, at Haltings two, Se. Sec MINT.

The Norman Kings continu'd the fame Cuftom of Coining only Pence, with the Prince's Image on one fide, and co the other the Name of the City where it was coin'd, with a Crofs fo deeply imprefs'd, that it might be cafily parted, and broken into two Halves, which so broken, they call'd Half-pence; or into four Parts, which they call'd Fourthings,

or Farthings. See FARTHING. In the time of King Richard the First, Money coin'd in In the time of King Redward the rists, aleney com'd in the Eath Parts of Germany, came in fpecial request in Eng-land, on account of its Purity, and was call'd Englering Money, as all the loabshirms of those Parts were call'd Englerings. And shortly after, forms of those Poople skil-led in Geining were feet for histor, to bring the Com to Perfection 5 which fince has been call'd deeling for Ensiers.

Imr. See STERLING. Img. See STRIKING.
King Edward the First, who first adjusted the Measure of an Ell by the Length of his Arm, herein instituting Garden the Great, was the first all of who calability a certain Standard for the Coie, which is expected to this effect by Greg. Reckley, Mayor of Lenden, and Mine-Malter. A Pound Greg. Reckley, Mayor of Lendru, and Mint-Maffer. A Pound of Money contained twelve Ounces: In a Pond three ought to be eleven Ounces, two Extertings, and one Farthing; the reff Alley. The field Pound ought to weight reventy Shillings and three Pents in Account and Weight. The Ounce ought to weigh twenty Pence, and a Penny twenty four Grains and a half. Note, that eleven Ounces two Pence Sterling ought to be of pure Silver, call'd Leaf Silver, and the Minter must add of other Weight seventeen

Shee, and the Miner must add of other Weight feventeen Pence Half-pency Parthng; it the Silver be to pare. About the Yazz 1326, the Shetze of Leasys first being pare. Cold, and mention of the Silver of Leasys for the Spin Lot Cold, and mention of the Silver of Leasys for the Spin Lot Cold, and the Silver of Leasys for t

table Meesils or drat which has foit of its Weight, either by being clipped on the Correst, or filed on the Edges, or by the control of the Correst, or filed on the Edges, or the Correst of Corres

genos, e.e. only to be diffinguing a from them by the Bulls, and Weight, and Seand.

The Word Money comes from the old Anglo-Saxon Money, and that from Moneta a Mondo, as before obfere'd. From the fame Moneta the Germans have borrow'd their Moneta, the French Monsoye, the Spaniards Moneda, and the Italians Mo-

## Moneys of Account, or Manners of recksning Money in Europe and Afia.

We here confine corfelies to the Money of Account of these two Parts of the World: descrice having most photo from Parts of the World: descrice having most phase these most Sectioners, being classified with the Account and the Account and

accounting account the place.

Emplish Monky of Account is the Pound, Shillings, and Pency Sterling: The Pound containing as Shillings, and the Shilling 12 Pence. See POUND, &c. See allo COIN,

Fresh Moss & Greenst, was satisfully the Parisi,
Tournels, and the Eug. or Crowns but fince the Ordennance of \$650, they call preclavely [Hirrst, f. & Ponnels,
Sols, i. 6. Shillings; and Desirer Tournels, be. Prece,
The Litrus, a Sols, or of the Eug. or Crows in tedge
The Maille, Obele, or Half-yeary Tournels, is affeone was Money of Account, the anticulty a raci Coin. The
Maille is divided into ree Piras, and each fire into two
Simplems; all Money of Account. To whith mult be

Mattle in dreided into two Fins, and each INE 100 true Semi-pixes; all Mayor of Account. To which maft be added the France, or the fame Value with the Libra, were, no 50 th Germonics and the Blaste, Dreiner Braze-noity, and the Carolas, Ten a All three anticardy real Gain. Durbs and Finsensis Mourate of Assems. In Billund, 22, Intell. Real Control, 100 to 100 to

nices cross. The Funct, containing no occiting 3 and the Schelling, 12 Pennings. The Pandst equal to 7 kirrse, 4 Sols French, or 10 Saillings & Sterling. They also ac-count by Floring or Goilders, Patrick and Pennings: The Florin is equal to 4 of the Found, or 20 Patricks; and the Patrick, 12 Pennings. The Merchants of e tach Method of

Accounting indifferently.

Spanis Money of Account, is the Pelo, Ducat of Silver and Vellon, Rul of Vellon, and Cornados and Marawells of Silver and Vellon. The Pelo is to the Ducat as 12 to 10. of Silver and Vellon. The Pelo is to the Ducta's 1:2 10:10. The Ducts of Silver constains 1: Risla of Silver, and that of Vellon, 1: Risla of Vellon, 5: Risla of Vellon, 1: Risla of Vellon, 1: Risla Sterling, 2: Risla of Vellon, 2: Risla Sterling, 2: Risla of Vellon, 2: Risla Sterling, 5: Risla of Silver Risla Association 1: Risla of Risla of Vellon, 2: Risla Sterling, 2: Risla of Risl

German and Sunfi Monneys of Account. In State crland, and many of the chief Cities of Germany, particularly Francfort, they account by Florins (but on a footing different from that of Holland) by Creux's or Creuxers, and Pencent from that of fishinal by Creas's or Creascer, and Fer-sion. The Union expan to 3 Shinings Scrings, and dis-nish. The Liveline expansion of the Con-trol of the Control of the Control of the Con-dultry, Floring, and Crear. The Kincollar speals to 4.8.4 Serring, devided has to to Creas, and the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-lant and the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Control of the Con-trol of the Control of the Control of the Control of the Con-trol of the Control of th nies. At Hamburg they allouie the LIVE, sceneumg, and Denier de Gros. At Arisburg and Bolzamens, they account by Tallers and Creux's; the Taller equal to 4:6 Ster-ling, divided into 50 Creux's. At Namborg, by Rizdol-lers. Gross and Fenins; the Rizdollar equal to 4:6 Sterners Cros and Feins 3 the Rixdollar equal to 4:6 Ster-ling, divided into 16 Gros, and the Gros into 12 Feins At Stratburg by Florina, Creax, and Penins. The Florin equal to 1:6 Sterling, divided into 60 Creax, and the Creax into 8 Pennins.

Grax ino S Pennin.

Lialiam Mostras of Account. In Buly, the Mostry of Account are various, almost as the Cities of Commerce. At Rosen, they account the Y Dende, Silling, and Pence of Gold & Somps. At Yesine, by Ductus, and Gros & Bonne. The Dester I dried on two 4 Gros, etc. Grost could trave be a fine of the Commerce of the Commer and only the three list at Rusiques, Maintean, and Scopy: In General, bettler Founds, Shillings, and Pence, they account all to by Floring, containing 6 Shildis, or 6 Pence 5 Gertlings, they come by Floring the Control of the Control of the they account by Florings, could be a control of the they account by Florings, could be comedy, Shillings, and Pence of Gold de More. At Exensity, Pendal, Floring, and Groo. At Assens, Crowns, Shillings, and Pence. At Asplee, Da-vided into a Control, could be on billing Serling, di-vided into a Control, could be on billing Serling, invided into 20 Grains.

vaded into 20 Grains.
Solitas and Multife MONEYS of Account. At Moffins, Pa-lerms, and throughout Soldy, they account by Found, Out-cer, Tarins, Grains, and Ficcility's which are fairmed by-30, 20, and 64 the Onece being 30 Tarins, the Tarin ao Grains, and the Grain of Ficcility's. At Madira, May account by Founds, Ounces, Carlino, and Grains. The Ounce 30 Tarins, or 40 Carlins, or 400 Grains y the Carlin equal to

6 & Sterling.

Polife Moners of Account. Throughout Poland, most of the Dominions of the King of Profis, and Dentrace, they ac-count by Rixdollars, Roops, and Grochs. The Rixdollar-equal to 4:6 Pence Streling, and divided into 2x Roaps 3 and again, in the Profism Tetritories, into 24 Grochs: In Poland, into 90 Grochs. Sometimes they use the Florin. Groch, and Penny. Swedis, Danish, and Massonite Monars of Account.
Sweden, they account by Dalles, equal to 32 Sols Lubs,

3 Shillings Sterling. In Denmark, by Rixdollars, Hors, and Schollings; the Rixdollar divided into 4 Hors, and the Hor into a Schellings. In Majorny, they account by Rambles, Allins, and Griss or Grives. The Rouble equal

the Bor inne a Subellings. In Motions, they account by Rombies, Jalim, and Grins or Grives. In Rouble capitals, and Grins or Grives. In Rouble capitals, and Grins or Grives. In Rouble capitals of the Control of the C Socious, je técham olical but to Prefenta no Frivaçaires. So hat a Putie, finally figurities 1 Part of Sheve, or 1:500 Livres. They are cultil Parties, because all the Many in Futies, of the Consecution of the Consecution of the Parties, of the Consecut. The Marchans affe of the Dallers, call'd Almaier at Moonpett, with Micheleius and Af-yers. The Daller opail only Micheleius and the Parties, of the Consecut. The Parties, a fich at Machine Technological and the Consecution of the Parties Moonart of Zeatum. In Parties, they account by the Toman (all tall flows, and Tumori) and the Dame-biel, The Toman is compiled of so Abstift, or 120 Manus-al Almain and the Consecution of the Parties of the Adult of the Consecution of the Parties Many.

Absfil on the foot of 18 French Sols, or the Dinar on that of a Denier, amounts to 31. 12 6 d. Sterling the Toman.

of a Derier, amounts to 1, 1, 1, 6, 6, Seriling the Tennan. They also exome by Larin, effectly at 0 cross, and on the Castio of the Profiles Golph. The Larin capterialer to the Profiles Golph. The Larin capterialer to the Seriling of the Series of

kien equal to ten Lew-Countrey Livres; 2000 Oebans make

ASONO Tacle.

Mogal Money's of Account. At Sarat, Agra, and the reft
of the Effaces of the Grast Mayal, they use Lacres, Acres,
or Lecha's; implying a hundred thousand: Thus a Lacre
of Roupias is a hundred thousand Roupias; the Lacre being nearly on the footing of the Tun of Gold in Hawand, and
the Million of France.

and earliery on the norming of the 2 and 6 visition Historials, sind Mosters of Account of shore lighted and Godg of India. Throughout Meidate, and at Gas, they six Tingels, Ventius, and Pardok-Karushia. The Tingens of the whole the six of th cequal to 21.8 d. Sterling. The Cati contains at Tacls 3 the Tacl 61.8 d. Sterling.

There are Hands, Cities, and States of the Eafs-Indies,

There are lilands, Citics, and States of the Edf-Indice, whole Memory of Josens are not here experted a partiple ocasile reducible to Gene of these above-mentioned a and partyl because we find no extension between control of the analysis of the second of which the na Meney of comme the contents and refer-tive the content of the content of the content of the con-by yet fevre in lies thereof. At Learn, at Pairie, and where Places on the Content of the Content of the horizon the Content of Menis and Content, on the face Conf., the Negness reckes by Poccs. Among the first, the Misses is equivalent to real Time Is and of the Misses of the Content of the Content of tangingry Meney. To eliminate any Parchief, Eschange, Cer., they fix on the con-field the misses of the con-spiration of the Content of Missesser ser-spection, the Content of the spiration of the Content of the Content

of Macoures in Merchandizes, they fix the Price of each of Macoures in Merchandison, they fix the Price of each in Macoure. Two Heavily Kintee, e.g., are eccounted one Macoure 3 a Copper Baffon two Peanols. Weight, three 3 a Barrel of Gon-Powder, three, get. For the Price, it ferres in like manner to ellimate the Value of Gonda Duttie, get. on either fide. Thus the Natives require ten Peeces into the three three three prices are a Slave 3 and the European yout, w. g. a. Fufce of a 17 bree; a price of Salamopoura blos, at a price, get.

MONEYS of Jeanns among the Antient.

Grain Blooker's of Jeanns. The Greister received their Same of Blooker's Jeanns. The Greister received their Same of Blooker's Jeanns of Blooker's Gallet Same of Blooker's Gallet Jeanns of The Man and Taleoten Hosting, and Edward 1909. The Man and Taleoten's Gallet Jeanns of Blooker's Gallet Jeanns of The Blooker's Gallet Jeanns of Gallet Jeanns of Blooker's Gallet Jeanns of Gallet

Rosdan 10

COINING. MONEYERS are also taken for Saukers; or those who nake a Trade of turning, and returning Muney. See

MONITORY Letters, are Letters of Administration, or Warning, fent from an Ecclefiattical Judge upon Informa-tion of Scandals and Abufes within Cognizance of his Court

MONOCHORD, a mufical inframent wherewith to try the Variety and Proportion of mufical Sounds. See It is compos'd of a Rule, divided and fubdivided into

It is compared of a Rule, divided and fushirised into diview Pare, whereon there is a String perity well (irrech) do prove the rule of the province of the rule of the rule of the tweeth point is a more traile fusile, by both on many that the Sounds are in the fund Proportion to one another, as the Dividence of the Line on thy the Bridge were.

The Members is also call the International Cannar, archiverage of the Cannar of the Cannar

entire Sound, or the open Note.

Pytherorus is held to have been the Inventor of the Mon.

Pythogona is held to have been the Inventor of the Mon-ched. Pattery a cumind the Harmonical Intervals with the Monathed. Bot Cascon. When the Cascon Cascon. When the Casco was and the cheep cliff the the Coffee; if they were as a to 1, oblivets, or hippellyms, when they were as 80 as, Fifty, a Obligators; if they were as 4 to 1, they called them Fareth, or Duraffeens; if the Terms were as 5 as, Dim, or a Term Marie; if as 6 to 3, a Durafran, Dar or a Three filmes; latifly, if as 2 to 3, Devis-Smit or Direc-See Unitson, Octorary, Diracson, Darastra, Darastra.

TESSERON. ESC. The Monobord being thus divided, was properly what they call'd a System, of which there were many kinds, according to the different Divisions of the Minochord. See

Dr. Walls has taught the Division of the Monochord in the Philosophical Transations ; but thet Inftrument is now dif-

ufed, the modern Music not requiring fact Division.

Monochord, is also ased for any musical Instrument,

onifiting of only one Chord, or String. See Chorn.
The Trumper Marine is a Manachord. See TRUMPET.
The Word is Greek, form'd of phones folias, fingle, and

MONOCHROMA, a Picture all of one Colour. See Camieux, Clair Obscure, &c.

### MON (572) MON

) two works compensated of the overs passes, single 5 and 5, two 5, Colour.

MONODY, MONODIA, in the antient Poetry, a kind of mourtful Song, or Dirty, facg by a Perfon all alone 5 to inter-his Grief.

The Word is compounded of pur folus; and wie,

MONOGAMY, the State or Condition of those who have only married once. See MARRIAGE, BIGAMY, See The Word is compouned of paires foliar, and yaques Mar-

riage.

MONOGRAM; or Monogrammon, a Cypher; or
Character composed of one or more Letters interwoven a
being a kind of Abbreviation of a Name; antiently much

ucid as a Buge, Soil, Arms, See, See Sant, Creines, Mc-ucid as a Buge, Soil, Arms, See, See Sent, Creines, Mc-Under the Eattern Empire, it is afual to find M IK, what are the Messgrams of Marks, 1944, Confissions— The use of Messgrams is of an ancient finaling, as ap-pears from Platarets, and from from Greek Medals of the he fays,

pears from Plainreb, and from Imno Greek Medalis of the time of Publy of Macketon, Mexamber his Son, 152. The Roman Laburano hore the Managema of Jelius Chriff, confilling of two Letters, a P Jacked perspedicular over the middle of a X, as we find it in feveral Medalis of the time of Configuratives those being the two first Letters of the World XPINION, Chriff. See Lakanum.

The Kings formerly marked their Coins with their Ms-Nogram : Of this we have inflances in Charlemain's Cuins.
That Prince also afed the Managram for his Signature. Eginard gives us this reason for it, vie. that Coarleman could not write; and that having attempted in vain to learn in his grown Age, he was reduced to the necessity of Signing with a Museyaw.

The Antients used Managrams as Notes or Abbreviations of Inferiptions; for the understanding whereof we have ex-prefix Treatiles of Valerius Prebis, Paulas Diaconus, &c.

Sec CHARACTER MONOLOGUE, a Dramatic Scene, wherein a Person appears alone on the Stage, and speaks to himself. See

SOLITOOUY.

The Word Manslogue is derived from the Greek AND-John, and Noy Diffcourfe, Speech.

MONOMACHIA, a Duel, or fingle Combat of Man

against Man. Sec Dunt. Minimachia was antiently allow'd by Law for the Trial or Proof of Crimes. It was even permitted in pecuniary Cau-fee, as appears by antienr Records. It is now forbid both by the Ci the Civil and Canon Laws. See Combar.

Meint has wrote a Treatife & Menenachia.

The Word comes from the Greek usp of folias and ustyrs Combate

Compare.

MONOME, in Algebra, a Quantity that has but one
Denomination, or Name; as al, and, andb. See QUANTITE.

The Moneme may be either Rational, or Irrational. See RATIONAL, &c.

MONOPETALOUS, in Botany, a Term apply'd to Flowers which have only one undivided Petalum, or Leaf. Sce FLOWER, PETALA, &c.
MONOPHYSTTES, a general Name given to all

those Sectories in the Lemmt who only own one Nature in Tefus Chrith. The Mos ophyfics however, properly to call'd, are the Followers of Several, and Petras Followers of Several,

The Word comes from the Greek wir 9 folus, and come MONOPOLY, an unlawful kind of Traffick, when one or more Perfort make themfelves fole Mafters of any Commodity, with defign to enhance its price; those who have occasion f.r it being obliged to parchase it at their hands,

occasion. Let it being obliged to parchafel it at their hands, and on their own terms.

There are two kinds of Minepolies: The one, when a Merchant buy ny, for infinance, all the Corn of a Province, or retail is at an advanced Rate to the People.

The other when a Letter, or Patent is procured from the Prince, prohibiting any other Perfon to fell any Commodity befolds the Patento.

The Word is pure Greek, form'd of \$\mu\_1 \end \pi \text{and } \pi \text{will}, fignifying to fell alone.

Among the Remant, the Term was so odious, that Ti-berius, as Sectional relates, having occasion to make use of it, bega'd leave of the Senate for it, as being borrow'd the

om the Greek.

MONOPTERE, a kind of Temple among the Antients,
send, and without Walls; having a Dome supported with
solumns. See TEMPLE.

MONOPTOTE, MONOPTOTON, in Grammar, a Noon which baseonly one Cafe. See Cass.

MONOPYRENEOUS Fraiss, are such as only contain

MONOPY RENEWOOD Fram, are tuen as only contain one Krinel, or Seed. See Fauir. MONORYME, a Poetical Composition, all the Verses whereof end with the same Ryme. Monorymes are faid to have been invented by the old Figure Poet Leonin, who addressed fome Latin Verses of

The Word is compounded of the Greek pores, fingle; and

this kind to Pope Alexander III. Whence they are also call'd Leonine Verfer. See LEONINE. They are but little used in English; more in French.

The Word comes from the Greek wir@ folis; and podu@-

Sec RYME.

MONOSTICH, Monostreon, an Epigram confiding one fingle Verie.
MONOSYLLABLE, a Word of a fingle Syllable; or.

confifting of one, or more Letters pronounced all together. Sec WORD and SYLLABLE.

The French Language abounds in Monofyllables more than any other. This renders it the more perplexing to Foreigners, and yet the Beauty of the Language feems to confift in it. One of the helt and Imoothetit Lines in Mulberbe confifts of twelve Monofoliables; Speaking of Califia,

Et moi je ne voy rien quand je ne la vois pas-

In this the Genius of the English Tongue differs much from the French, an uninterrupted Series of Monofollables having always an ill Effect. This Mr. Pape both intimates and exemplifies in the fame Verfe.

And ten low Words of screep in one dull Line.

Palquier cites an Elegy of forty two Veries, confishing wholly of Monty globle.

wholly of Money states, an antient Sect, who forung out of the Estychians; thus call'd, as only allowing of one Will in Jelas Christ; as the Word Monotechie in the Greek

imports. he Opinion of the Mourbelises had its Rife in 630, and

The Opinion of the Mosentelites had its Kute in 650, and had the Emperor Henellin for an Adherent. It was the fame with that of the Severlan Aerobala. They allowed of two Wills in Chrift, confider'd with regard to the two Natures; but reduced them to one, by reason of the Union of the two Natures: Thinking it abfurd there should be two free Wills in one and the fame

Sara taree moute or the fasth General Council, as Perfon.

They were condemn'd by the fasth General Council, as being lapposed to destroy the Perfection of the Humanity of Jesus Charit, in depriving it of Will and Operation. That Council declared their Belief of two Wills, and two Operations, without Division, or without changing the one for the other, without either dislinguishing or consounding

them: the Human Will being subject to the Divine,
MONOTONIA, MONOTONY, a Want of Variation, or
Inflection of the Voice, or a Fault in Pronunciation, where a long Series of Words are deliver'd with one unvaried

Sec PRONUNCIATION. Tone. See Provunciation.
This is one of the principal Faults of our English Orators. Monotonic is opposed to Chaoting or Singing.
MONSEIGNEUM, in the Plant Massiconcurus, a
Title of Henour and Respect used by the Firsts in writing to Persons of superior Rank or Quality. See Seig-

The Word is a Compound of mon, my, and Seignese, Lord.

Dukes, Peers, Archbishops, Bishops, and Presidents a la serier, are complimented with the Title of Monstergness. Morier, are complimented with the Title of Monjergment. In the Requests prefented to the Sovereign Courts, they use the Term Noticineter used, is a Quality now ginner.

Monarienzus, absolutely used, is a Quality now gi-ven to the Dauphin of France.

ven to the Dasphin of \*\*Irance.\*\*
This Caffoon was unknown till the time of \*Levit XIV.\*\*
Thi these, the Dasphin was tilled Monflew & Dasphin.
This caffoon was tilled Monflew & Dasphin.
This of Civility, used by the French, in fept-lang to their Equats, or their a listic below them; an infecting to Mic.
The Superioriphical of \*Berlifs\*. See Six and \*Monflew\*, Monflew\*, Monf

The Word is a Compound of mon, and Stear, Sir. See SIEUR.

Silvin. Bord derives the Word from the Greek you. T. Lord, or Sre, q. d. moneyan. Pajouier derives Scur, and Monflew, from the Lorin Senier, Elder. The Indians fay Sygur, and the Spaniards Sener, in the fame Senie, and from the fame Origin.

The use of the Word was formerly more extensive.

The eff of the Word was farmerly more extrosive. They apply it to the Copple of many Ago before them; Thus, shogilor No. Angliei, Marflew St. Angliei, yang the Copple of the Copple of

who by Flattery fought to procure Favours from them, itselfed new Honours. Suctains observes, that a Comedian on the Theatre having call'd Augafius, Duninus, Lord ; th Spectators all stared at him: So that the Emperor forbad, for the future, that Quality to be attributed to him. Ca-lignal was the first who expressly commanded himself to be regain was the tire who expectly commanded himfelf to be call'd Downms. Martid, entirely devoted to Tyrany, expected because a Dominan dumagne register. In time, the Title was allo apply d to the Reople's and of Dominan, at length was form id Jew. Sec Dots.

was form'd Dem. See Doit.
MOSSINR, abfolutely ufed, is a Title or Quality affected to the feecond Son of France, or the King's Brother.
In a Letter of Fibility of Fabin, that Prince Foeking of his Predeceffor, calls him Mönfors the Rsy, Morphese the King.
At prefect, no body calls the King Mönftew, but the Chil-

dren of France

MONSOON, a regular, or periodical Wind, in the East-Index, blowing confiantly the lame way, during fix Months of the Year, and the contrary way the remaining fix. See

Windo.

In the Imitian Ocean, the Winds are partly general, and blow all the Year round the fame way, as in the Albieviel Ocean; and partly persolated, i.e. half the Year blow one way, and the other half near on the opposite Points. And thote Points and Times of Initing differ in different Parts of this Ocean. Halley.

Thefe latter, or periodical Winds, are what we call

Menfoens. Monform then are a Species of what we otherwife call

Trade Winds. See Ta and Winds.

They take the Denomination Monform from an antient Pilate, that first cross of the Indians Sea by means bereof. Others derive the Name from a Portagacje Word fignifying

Others derive the Name from a Fortagasje Word fignifying Massin, or Change of Wind, and Sea. Larretus and Application make mention of annual Winds which artic every Year, Estiglia Flabra, which from to be the fame with what in the East-limits we now call Maniform. MONSTER, a natural Birth, or Production of a living thing, degenerating from the proper and usual Disposition of Parts, in the Species it belongs to. As when there are too many Members, or too few; or fome of 'em are extravagantly out of Froprition.

Aritesize defines a Mouster to be a Defect of Nature, when acting towards forme end, it cannot attain to it, by reason

fome of its Principles are corrupted.

Monsters do not propagate their kind; for which reason fore rack Mules among the Number of Monfiers 3 as alfo Hermaphredites. See MULE and HERMAPHADDITE. The Word comes from the Laun Monfirms, of Mon-

firande, thewing. Da Cante mentions an Inventory of the Church d'Eureux

Do Carge mentions an Inventory of the Church d'Estreau with this Article, Item unum Mingliense come Oglisa Sentis Pe-tri in Beril, El Crucifius in funnitate. Fernales, which bring forth Twins, are most liable to produce Manifers. The reason, probably, is owing to this; that the the Twins are covered with one common Chorian, yet they have each their feparate Amnios, which, by their configurity may chance to grow together, and to occasion a confusion, or blending of the Parts. Hence so many double Creatures. See Double.

F. Malbranche accounts for the Production of Monfiers in the Animal World, thus

The Creator has established fach a Communication between the feveral parts of his Creation, that we are not only naturally led to imitate one another, i. e. have a disposition to do the same things, and assume the same manners fition to do the fame things, and anything the raise lambda with those with whom we converse but also have certain natural Dispositions which incline us to Compassion, as well as I mitation. These things most Men feel, and are seathle not and, therefore, need not be proved. The Anias Imitation. These things most Men feel, and are fea-fible of 3 and, therefore, need on the proved. The Ani-mal Spirits then are on only navurally carried into the re-spective parts of the Body to perform the fame Actions, and the fame Motions which we fee others do, ber also to Sufferings

Experience tells us, that when we look attentively on Experience tests us, that were we love aftentively on any Perfon feverely beaten, or that has a large Wound, Ulcer, or the like; the Spirits immediately flow into those parts of our Body which answer to those we see fuffer in the other; and it is flex of Spirits is very sensible in Research of a delicing Couling which cannot be Principle. This flex of Spirits is very sensible in Research of a delicing Couling which cannot be 200. Perfons of a delicate Confirmion, who frequently finadder, and find a kind of trembling in the Body on these Occa-fions; and this Compassion in Bodies, produces Compassion

in the Mind. no the Sund.

Now it must be here observed, that the view of a Wound, \$\mathcal{E}\_c\$ produces a Wound in the Person who views it, by so much the greater and more sensible, as the Person is more weak and delicate; the Spirits making a stronger Impression on the Fibres of a delicate Body, than in those of a robust coe. Thus strong, vigorous Mon. \$\mathcal{E}\_c\$ the spirit of the production of the productio an Execution without much concern, while Women, &c.

are ftruck with Pity and Horror. As to Children Gill in their Mother's Womb, the Fibres of their Flesh being in-comparably finer than those in Women, the Course of the Animal Spirits must necessarily produce much greater Alterations

This thing being laid down, Monflers are easily accounted for. Suppole, v. g. a Child born a Pool, and with all its Legs and Arms broke in the fame manner as those of Legs and Arms broke in the fame manner as those of Cominstain from Comarties are; which cale we cheffer to Cominstain from Comarties are; which cale we cheffer to inflate each, because we are rold from Posit that fach a Alley reas as Starly born here, and the 'in one of their Alley reas as Starly born here, and the 'in one of their according to the Principler laid down, was, that the Comar-seconding to the Principler laid down, was, that the Comar-ties of the Comarse and the Alley and the Alley and the forcing a Crimital accuracil, every Strateg given to the poor Man, three for child the control that the three of the Woman's and by a list of Connect flowly, the tenter and delicans and by a list of Connect flowly, the tenter and the Comarse Brain were linagely flow, the three of the Woman's Brain were linagely flow, the control were the con-trol of the Connect flowly, the con-trol of the Connect flowly, the characteristic of the Alley Starly and the Connect flowly, the Connect flowly, the Alley Starly and the Connect flowly, the Alley Starly and Alley Starly and the Connect flowly the Connect flowly the Alley Starly and the Connect flowly the Connect flowly the Alley Starly and the Connect flowly the Connect flowly the Alley Starly and the Connect flowly the Connect flowly the Alley Starly and the Connect flowly the Connect flowly the Alley Starly and the Connect flowly the Connect flowly the Alley Starly and the Connect flowly the Connect flowly the Alley Starly and the Connect flowly the Connect flowly the Connect flowly the Alley Starly and the Connect flowly the Connect flowly the Connect flowly the Alley Starly and the Connect flowly the Alley Starly and the Connect flowly the Connect f Animal Spirits on this occasion, yet they had ilrength and consistence enough to prevent an entire disorder and over-turning; whereas the Fibres of the Child's Brain being unable to bear the flock of the Chita's Brain being tirely diffipated; and that Ravage was great enough to deprive him of Reason all his Life time.

Again, the view of the Execution frighting the Woman, e violent Courfe of the Animal Spirits was directed forcibly from the Brain to all those Parts of the Body corresponding to the fuffering parts of the Criminal; and the same thing must happen in the Child. But in regard the Bones of the Mother were firing enough to refift the Impalie of those Spirits, they were not damaged. And yet the rapid Course of these Spirits could easily over-

yet the rapid Courle of thele Spirits could easily over-power, and break the tender and delicase Pibres of the Boxes of the Child; the Bones being the last parts of the Box of the Termid, and baving a very stender confilence while the Child is yet in the Womb.

To which it may be been added, that had the Mother determined the Coarle of these Spirits towards fome other worship to the best belief of the Coarle of the Co part of her Body, by tickling or feratching herfelf whe-mently, the Child would not, in all probability, have had its Hones broken 3 but the part answering that, to which the Motion of the Spirits was determined, would have been the Sufferer.

the Sufference and the calon, why Women in the time of Hence, appearing Perform, 647 ownth? In find a manuser in the Face, imprete the finne Mark on the fame parts of the Calcula? And why, apon rubbing forme hidden part of the Body, when itaried at the Sight of any thing, or the Body, when itaried at the Sight of any thing, or the Hody, when itaried at the Sight of any thing, or the Body, when itaried at the Sight of any thing or the Body, when itaried at the Sight of any thing of the Body of the Sight of t accounted for.

There are also Assisters in the Vegetable World: Such, e. g. are what some Botanists call Miles. See MULE, GE NERATION, &C.

Florits give the Denomination Monflers to what we o-therwise call Double Floriers.

MONSTRANS de Droit, a Writ iffuing out of Chancery to be reflored to Lands or Tenements that are mine in Right, the on fome occasion found in Possession of one

Right, lately dead. MONSTRAVERUNT, a Writ which lies for a Ten who holds freely by Charter in antient Demein, upon his being diffrained for the payment of any Toll or Imposition contrary to the Liberty he does, of ought to enjoy. MONSTRUM was antiently used for the Box wherein

Relicks were kept. See Monster. MONS Feners, fee Veners Mons. MONTANISTS, antient Heretics, fo call'd from their

Leader Montanas, who afted the Prophet, and had his Prophetestes.
They were also called Phyrians, Cataphrysians,

Quintilians. See PHRYGIAN, CATAPRHYGIAN, and QUIN-DYLEAN MONTH. MENSIS, the twelfth part of a Year. SecYEAR:

Time, we have observed, is Duration mark'd out for certain uses 3 and measured by the Motions of the Heavenly Bodies. See Time and DURATION.

Donics. See ITME and DURATION.
Hence relial divers kinds of Years, and Months, according to the particular Luminary by whose Revolutions they are determined, and the particular purposes they are defined for; as Solar Months, Lumar Months, Crail Months, Astronomical Months, &c.

Afframmical Months, Sec.

Aller Monstra is the Space of Time, wherein the Sun
movestion one centre Sign of the Euliptic. See Sec.

movestion one centre Sign of the Euliptic and Sec.

Months with the Sec.

Months with the unequal is feet the Sun is longer in
patiting that the Winter Sign, than bode of the Sammer.

But as the conductancy travels the foul the flweder in 55;

DSN, 5 Hours, and 49 Minutes, the Quanties of a mean
Month will be that by thirting into Alumber by sec.

Months will be that by thirting into Alumber by sec.

Sec. 18 Sec. 18

this Principle, the Quantity of a Solar Month will be found 30 Days, 12 Hours, 29 Minutes, 5 Seconds.

Lunar Montais are cither Symplical, Periodical, or Illu-

ministre.

Limins Symmetal Monris, call'd alfo, abfolitely, Lanar
Monris, and Liminon, is the Space of Time between two
Conjunctions of the Moon with the San; or between two

New Moons. See Synopical Menth and Lunarion. The Quantity of the Synodeal Month is 29 days, 12 h.

44', 3°, 2". See Moon.

Lauar Periodeal Monra is the Space of time wherein the Moon makes her round thro' the Zodiac ; or wherein

the Moon makes her round thro' the Zodiae; sor wherein file returns to the fame Point. See Periodical.

The Quantity of this Moule's 27 days, 7 h. 45', 8'.

The anient Rowser made use of Louar Moule, and made 'em alternately of 29 and 30 Days. They marked the Days of each Mourb by three Terms, win. Calcudt, Nones,

and Ider. See CALENDS, NONES, &c.

and ldet. Sec CALENDS, NONES, &c.

Lunar lbanisaries Monra, is the Space from the first
time of her Appearance after New Moon, to her first Appearance after the New Moon following.

Hence, as the Moon appears fometimes soone after
the New Moon, and sometimes later; the Quantity of
the llaumanine Month is not alway the same.

By this Month the Turks and Arabs go.

Astronomical, or Nasaral Montrs, is that measured by some exact Interval corresponding to the Motion of the Sun, or

Such are the Lunar and Solar Months above-mentioned.

Where note, That thefe Months can be of no use in Civil Life; where it is required that the Months begin and end on fome certain day. For this reason recourse is had to another form of Months.

Cru-1, or tenmer Month, is an interval of a certain rumber of whole Days, approaching nearly to the Quantity of fome Aftronomical, either Lunar, or Solar Monto. See

DAY.
These Civil Months are various, according to the Astro-Grad Lower MONTES are to confiit alternately of 29 and ac Days. Thus will two Civil Months be equal to two A-

Arenomical ones, abating for the odd Minutes. And, cor figuratly the New Moon will be hereby kept to the first Day of each fuch Coul Month for a long time together.
However, to make 'em keep confiant Pace with the Coil
Months, at the end of each 48 Months, a Month of 29 days
muit be added; or effectively 33d Month muft conflict of

must be source 3 of citie every 350 moster must conlist of 50 days.

This was the Month in Civil, or Common Use among the Stews, Greek, and Roman, till the time of Jahas Cofar Cowl Salar Moarris are to confit alternately of 30 and 31 Days; excepting for one Month of the twelve, which

for every fourth Year should confift of 30 Days, and the other Years of a 9.

This Form of Coil Months was introduced by Julius Cefar. Under Angliss, the fixth Month, till then from its place call'd Sexular, was denominated Angulius, in honour of that call'd Sexistis, was decominated Assignar, in honour of that Prince, and to make the Compliment yet greater, a Day was added to it. So that it now confiled of 3: Days, tho still then it had only containfd 3c. To make up for which, a Day was taken from felwary 3 to that henceforward it only confiled of 3.8 Days, and every third Year of agg into before it had ordinarily confiled of 2s Days,

And fuch are the Civil or Calendar Months which now ob-And luch are the Cost of Catendar Months which now ob-tain throl Europe. See CALENDAR.
Philisphical MONTH, among Chymilt, is the space of 40 Days and Nights. See MENETRUM.
MONTHAGORIE, in Military Matters, an Emiscace chose without the reach of the Cannon of a Place besieged,

where curious Perfors post themselves to fee an Attack, and the manner of the Siege, without being exposed to danger. The Word literally denotes the Post of the lavalne-

MONUMENT in Architecture, a Building destin'd to preferve the Memory, &c. of the Person who rais'd it, or for whom it was rais'd.

Such is a Triumphal Arch, a Maufoleum, a Pyramid, The Word comes from the Latin Moneye, to advife, and advertize

The first Menaments which the Antients creeted, the Stones which they laid over their Tombs, whereon they wrote the Names and Actions of the deceas'd. See Tome.

These Stones were diftinguished by various Names ac-coording as their Figures were different. The Greek gave the Name Stels to liste as were Square in their Base, and preferved the same Depth throughout their whole Length; whence were deriv'd our Square Pilaffers, or Attic Co-lumns. See Pilaster.

They call'd those Styles, which being round in their Base, ended in a Point at top, which gave occasion to the Inver-tion of diminish'd Columns.

The Name Pyramids they gave to those which were fquare at the Foot, and terminated in a point at top, in manner of a Funeral Pile. See Pyramid.

And the Name Obelife, to those whose Bases were more in Length than in Breadth, and which rose, still leffening, to a very great Height, refembling the Figure of the Spits or Infiraments used by the Antients in roalling the Flesh of their Szerifices, which they call'd Obele Sec OBELISE.

The MONUMENT, abfolutely fo call'd among us, de-notes a Magnificent Pillar erected by Order of Parliament,

notes a Magniheent Fillar creeked by Order of Parliament, in Memory of the Burning of the City, Ams 1666, in the very place where the Fire hegan. It is of the Tuffean Order, a.o. Foot high from the Ground, and 15 Foot in Diameter, all of folid Peruland Stone, with a Sait-Cafe in the Middle of black Marble. The Padeltal in 21 Foot (quare, and 4p high) 5 the Frost being entitled with curious Balls Relieve's.

MONY. See Money.

MOOD, or MODE, in Logic, call'd also Syllogistic Moon, is a proper Disposition of the feveral Propositions of a Syllogism, in respect of Quantity and Quality. See SYLLOGISM.

SYLLOGISM. By proper Dipolition, we mean fach whereio the Ante-cedent being true, the Confequent, in virtue of the Form, cannot be falle. So that all those Moods or Manness of Syllo-gisms set as conce excluded, where no Conclident formally follows; or where the Antecedent being true, a falle Con-

follows; or where the antecedent being true, a take work-clusion may be drawn from it. Sec Congruinon, Sec. There are two kinds of Mosal's the one direct, ethe other indirect? Dretti Mosal's is that wherein the Conclusion is drawn from the Premistica directly and immediately; as, Every Animal is a living Thing; every Man is an Animal; therefore every Man is a living Thing.

An Induced blood, is that wherein the Conclusion is not in-ferr'd immediately from the Premisses, but follows from cm

by means of a Conversion. As every Animal is a living Thing, every Man is an Animal; therefore fome living Thing is a Man. There are fourteen direct Mont; whereof four belong to

the first Figure; five to the fourth; 4 to the 2d; and 6 to

the first rigure; see to the tourth 3 4 to the 2d 3 and 6 to the 3d. See Frours.

They are denoted by se many artificial Words framed for that purpose, con. 1. Earlors, Clarent, Daris, Periogs, 4. Brailip, Clarent, Daris, Frespor, Frighom. 2. Colgre. (2muffert, Infirme, Earner, 2.) Darapti, Kelapton, Dijamis, November 1, 1981. auji, becarde, Firefon.
The Ufe and Effect of which Words lie wholly in the

Syllables, and the Letters whereof the Syllables confift. Syllables, and the Letters whereof the Syllable; conflict Each Word, e. p. conflict of three Syllables, denoting the three Propositions of a Syllable, was. Misper, Minner, and there is the Syllable was. Misper, Minner, and either Vowed or Conflocant. The Great Syllable are cliented Vowed or Conflocant. The Conflocant of the denotes an universal affirmariev Proposition J. S. an univer-denotes an universal affirmariev Proposition J. S. an univer-ticular Negative. It a particular Affirmariev p. and O, a par-ticular Negative. It is a principal affirmarier proposition of the cit Figure, conflicting of three aniversal affirmaries Propositions J. Repute of the

of three univerful affirmative Propositions: Baralip of the 4th Figure, consisting of universal affirmative Premisses, &c. articular affirmative Conclusions, &c. See Bannana, CELARENT, DARII, &c.
The Confounts are chiefly of use in the Reduction of
Confounts are chiefly of use in the Reduction of

The Contonants are carray or use in the Reduction or Syllogifms. So REDUCTION.

MOOD OF Mode, in Grammer, is offer to figuify the different Manners of companing Verbs, agreeably to the different Affician or Affictions to be expected, e.g. flewing, commanding, willing, gl. S. See Verr.

Hence arise 3 Modes, via. the Indicators, Imperative, Optation, Subjunding, and Infinitive. See Indicative, Im-

PERATIVE, OPTATIVE, &c. Some Grammarians reckon but four Meets, confounding

Some Grammarian reckon but four Medr, combounding the Optative with the Subjunctive; and fome make fix, dividing the Optative into Potential and Optative.

The Greek have five Medro of Verbu differing in Termination; but the Latin have but four.

In English the Terminations are the fame in all the Modes.

In Logich the Terminations are the fame in all the Nation. For the Origin of Mote; it may be observed, that Verbu are of that kind of Words which figurify the Manner and Form of our Thoughts; whereof the Principal is Affair and Form of our Thoughts; whereof the Principal is Affair and Service of the Affair and the Affai

those Tenses, or Times, making some serve for simple Affirmations, as leve, levels and referring the rest tor Affirmations that were modified 3 as, if he flowed box, mught be have loved; yet they kept not steadily to their Rules, but sometimes made ofe of simple Inflections to experis Affirmations that were medified; as eifi weren, for eifi werear. And it is from this last kind of Inflection, that Grammarians have formed the Most they call Sobjanifroe.

See Subjunctive. See Surjunctive. befides the Affirmation, the Action of our Will may be taken for a Mule, or Munner of our Thought; and Men have found themselves under a Necessity of expressing what they surj, as well as what they shink. Now we may will a thing in several manners; whereof there are three which may be considered as the Principal. First, then, three whet may be condided as the Frincipal. Eight then, We formetimes will things which don't depend on outfelves, and in that case we only will them by a bare wish, which the Latine superies by the Faristice Unitaria is and we by Plogle God. Some Languages, as for inflance, the Greek, here invested particular lusticitions for this end; whence the Crimmanian have cules occasion to call it the CDI and there from its meeting the both in the tree Rode. And there from its meeting the both in the tive Mode: And there foems fornetting like both in the french, Italian, and Spanjië Tongue, in regard hefte have a kind of triple Tenfes; but in Lam, Englis, Et. the fame allicitions fevre for the Subjustite; and for the Optative. For this reason, one may very well retracte this Mode from the Latin Compagnition; it being the different Indections that make Mode; not the different Manner of fignifying,

whet make Nadir, nor the different Manner of fignifying, which any be carried to limiting. See CDYTATUS. We formeximes will in another manner; as when we are concern if though parts, to we don't subductly define it a as when for ever key, "Fortish youth, present, let him fipend, filled in the control of the control of the control of the filled in covery filled in Morencent, as in 60ct then the done to experts a flowly Define. But they have done to expert a flowly Define. But they have done and ill that thereof, make use of the Subjective. In Ing., Ips. Ips we seld the Partsch, Let him figure, Sci. Some Au-ther call that the Present of a Concettler sheet.

The third manner of willing, is when what we defire, depending on another Perfor, of whom we can obtain it, we fignify our Will that he do it. And this is the Motion we use, when we command or pray; and to express this Motion, was invented the Mosse we call imperators; which has no first Person in the Singular, because a Man, properly has no first Person in the Singular, because a Man, properly speaking, cannot command himselfs: In Sunc Languages it has no third Person, because, in strictness, a Man cannet command any Person, but him to whom he speaks and ad-dresses himself. And in regard the Command or Prayer dreites himicil. And in regard the Command or Frayer always relater to woat is to come, it happens that the Imperative Mode, and the Fource Tenic, are frequently ufed for each other, effectably in the Hidwess; as, som seconds, thou fail not kill, for do not kill. Hence fome Grammarians place the Imperative among the Namber of Fa-rians place the Imperative among the Namber of Fa-

res. See IMPERATIVE.
Of all the Mades we have mention'd, the Oriental Languages have none but the laft, which is the Imperative ; guages have none but the lait, which is the Imperative 3 and on the contrary, the modern Languages have none of them any particular Inflection for the Imperative. The Method we take for it in English, is either to omit the Pronoun, or ranfopole is thus, I love, is a fimple Affirmation 3, Love, an Imperative: We love, an Affirmation 3, Love an Imperative

use, an Imperative.

MOOD, in Philotophy, Sec. Monn.

Moon, in Muse,
MOON, team, ), in Aftronomy, one of the heavenly

Bodies, usually rank'd among the Planers, but with more

propriety accounted. a Section, or fecundary Planer. See

PLANEY and SATELLITE.

The Mean is an Attendant of our Earth, whom the re-fpects as a Centre, and in whole Neighbourhood the is conflantly found; informuch as if view'd from the Sun, the would never appear to depart from us by an Angle greater

As all the other Planets move primarily round the Sun, fo does the Moss round the Earth: her Orbit is an Ellip-fis, in which she is retain'd by the Force of Gravity; per-

fig. in which file is retained by the Force of Gravity a per-ferming her Revolution round as in a 19 May, 3 Hours, 43 Minutes; which is also the precise time of her Rotation round her Aris. See Orgary, and Ravorderyon. The mean Distance of the Man from the Earth, is 6c4 Semi-diameters of the Earth; which is equivalent to ago, occ Miles. See Distance.

The mean Excentricity of its Orbit, is 15 of its mean Diffance, which makes a confiderable Variation in that mean Diffance. See ECCENTRICITY.

The Moon's Diameter is to that of the Earth, as 11 to 40.23 or 2175 Miles: Its mean apparent Diameter is 51 Minutes 162, and that of the Sun 32 Minutes 12 Seconds. See DIAMETER and SEMI-DIAMETER. The Moon's Surface contains 14,000,000 fquare Miles 3 and its Solidity 5,000,000,000 cubical ones: The Denfity of the Moon's Body is to that of the Earth, as 48921 to

on and DICHOTOMY. In this Situation the Sun and Moss are a fourth part of a Circle rennov'd from each other; and the Moss is faid to be in a guadrate Apell, or to be in her Quadrature. See

QUADEATURES.

The Moor arriving at D, a fmall part of the illumin'd Face MP N, is only turn'd towards the Earth: for which reason, the small part that shines upon us, will be seen fulcated, or bent into narrow Angles or Horn, as in D. See FALCATED.

FALCATED.

ACAIRI, the Moss arriving at E, shews no part of her illumined Face to the Earth, as in D3 this Position we call the New Moss, and the is then faid to be in Conjustilies with the San 5 the San and Moss being in the same Point of the Patients. Con New Most Conf.

Ecliptic. See New Moon, and Conjunction.

As the Moon advances towards E, the refames her Hotas 5 and as before the New Moon, the Horas were turn'd Westward; fo now they change their Polition, and look Eastward: when the comes at G, the is again in quadra

peti with the Sun; in H gibbas, and in A again fall.

Here, the Arch E L, or the Angle STL, contain'd under Lines drawn from the Centres of the Sun and Moon to der Lines drawn from the Centres of the Sun and Moon to that of the Earth, is call'd the Elonynius of the Moss from the Sun: sod the Arch MO, which is the Portion of the illamin'd Circle MO N, that is turn'd towards un, and which is the Mesfare of the Angle that the Circle bound-ing Light and Darknefs, and the Circle of Vition, onske with each other, is every where nearly fimiliar to the Arch with each other, is every where nearly fimiliar to the Arch

39214, to that of the Sun as 48911 to 10000: Its Quan-tity of Matter to that of the Earth, neatly as 1 to 39.5; and the Force of Gravity on its Surface, is to that on Sarface of the Earth, \$2139.4 to 407.8. See SOLIDITY, DENSITY, GRAVILY, U.S.

Phenamena of the Moon. The Phonomena or different Appearances, of the Mon,

The Posnomena or different Appearances, of the Moon, are very remercoust Sometimes fits in mereding, then average, foundations of the Moon or active from the mereding, foundations, for the memory of the Moon of

fabled to have fallen in love with her-

fabled to have fallen in love with her.

The Source of moli of thefe Appearance, is, that the stour is a dark peake, as of febrerial Body; and only only the stour is a dark peake as of febrerial Body; and only only that Half shift for receiver from the John, where only the Half shift on remaining in its usive Darkedia. The Face of the Most visible no one Earth, is thus part of the Body tared towards the Earth; whence, ecording to the various Faditions of the Most was with regard to the Son, and Earth, we observe different Degrees of Haministics, Sometimes a wholever different Degrees of Haministics, Sometimes a feat better withing. face being visible.

The Phofes of the Moon.

To conceive the Lunar Phales: Let S (Plate Astro-NOMY, fig. 15.) represent the San, T the Earth, R TS a Portion of the Earth's Orbit, and A BCD EFG the Orbit Forms of the Earth's Orbit, and A BCDE FG the Orbit of the Mowe, wherein the revolves round the Earth, in the frace of a Month, advancing from Well to Eaft Connect the Centres of the Sun and Moss by the right Line SL, and thro the Centre of the Moss imagine a Plane MI, N, to pair perpendicular to the Line SL: the Section of that Plane with the Surface of the Moss, will give the Line

Pace from the dark one. See LLUMINATION.

Connect the Centres of the Earth and Moss by T.L., per-

Council the Counter of the Earth and Moss by TL, pre-pendicular to a Plane PLO, planing those the Course of the Moss, that Plane will give on the Sarface of the Moss, the Cruck that disligation the widthe Hemisphere, or that neverths as, from the invitible use, and therefore call'd the Coulcy of Jism. See Cruid of Viron.

Whence it appears, that whenever the Moss is in A, the Counter of the Counter of the Counter of the Counter of the William of Directors, and the Circle of the William of the Counter of the Counter of the Moss will be turn'd towards the Earth is in which Cole, the Moss will be turn'd towards the Earth is in which Cole, the Moss will be turn'd towards the Carth is in which Cole, the Moss will be turn'd towards the Earth is in which Cole, the neason will be turn'd towards the Earth; in which Cafe, the Mosen is with refrect to us risk, and finites the whole Night; a with refrect to the Sun, fite is in Opposition; in regard the Sun and Mour are then feen in opposite Parts of the Hea-ters, the one rifing when the other fets. See Furt. Mose and OFFOSITION,

When the Moss arrives at B, the whole illamin'd Disk M P N is not turn'd towards the Earth 5 fo that the vifible Illumination will be floor of a Circle, and the Moss will

Illumination will be flore of a Circle, and the comen with appear gibbon, as in B. See Guerous. When the reaches C, where the Angle CTS is nearly right, there only one half of the illumind Disk is turned rowards the Earth, and then we obferce a Half Moon, as in C3 and the is faid to be dichosomized or highered. See HALF

of Elongation E.I. to which is the farme thing, the Angle STEs in searly equal to the Angle SH.C.O. as in demon-tration of the Computer of the Computer of the Computer To Advance the Monte Playle for say time. Let the Cricle CO. BF (Fig. 2a.) respection the Monte Data smooth the Semicine CO. MF is proposed, which the Computer of the Angle by the Dismotre RC; then mediant L.P. the No-tan of the Computer of the Computer of the Computer of the Angle by the Dismotre RC; then mediant L.P. the No-tion of the Computer of the Computer of the Computer of the Monte and upon BC, as the persent Anis, and L.I., the Left, defeather the Social Chilippia BF CC, the Ellipsia the Human SE Computer of the Computer of the Computer of the tell Burner SE accessible on the Exercision and ECC of the

the illumin'd Face visible on the Earth. As the Most illumines the Earth by a Light reflected from the Sun, so is the reciprocally illumin'd by the Earth, which reflects the Sun's Rays to the Surface of the Moss, and that more abundantly than she receives them from the greater than that of the Mosn; and therefore supposing the Pexture of each Body alike, as to the Power of Reflecting; acture or each Body anke, as to the Fower of Reflecting s, the Barth moff return 1; times more Light to the Most, than fin receives from it. In New Mosts, the illumined Side of the Barth is turn'd fully towards the Most, and will therefore at that time illumine the dark Side of the Most and the that I am I Likeking 10 ft. 1. Mion; and then the Lunar Inhabitants (if fuch there be) pasers and then the Lesser Innaniants (it lues there be) will have a full Earth, as we, in a finaliar Polition, have a full Moson: And hence arties that dim Light observed the Old and New Missers whereby, bedies the bright Horns, we perceive formewhat more of her Body behad them, the very observed. When the Moon comes to be in opposition to the Sun, the Earth seen from the Moon will appear in Companiism with him, and its dark Side will be turn'd towards the Mon ; in which Polition the Earth or turn or unwards the 2000 3 in whiten Formion the Earth will difuppear to the Mosn, as that does to as a the time of the New Mosn, or in her Conjunction with the Sun-After this, the Lumar Inhabitants will fee the Earth in a kerned Figur. In fine, the Earth will perfer all the fame Phoffs to the Mosn, as the Mose does to the Earth.

Dr. Hook, accounting for the Reason why the Moon's Light affords no visible Heat, observes, that the Quantity of Light which falls on the Hemisphere of the full Meen, is rarify'd into a Sphere 288 times greater in Diameter than the rathy a mod space; not timesgreater in Diameter than the Moon, e'er it arrive at us; andeonsequently that the Mosse', Light is 104968 weaker than that of the Sun. It would therefore require 104968 full Mosses to give a Light and Heat equal to that of the Sun at Noon. See Sun, Heat,

## Metion of the Moon.

Tho' the Meen finishes its Course in 27 Days, 7 Hours, which increral we call a Peressical Month, the is longer in passing from one Conjunction to another; which Space we call a Synadical Month, or a Lunation. See Montres and LUNATION

The reason is, that while the Moon is performing its Course round the Earth in its own Orbit, the Earth with Courte round the Earth in its own Orbit, the Earth with its Attendant is making its Progress round the Sun, and both are advanced almost a whole Sign towards the Eat's fo that the Point of the Orbit, which in the former Position was in a right Line paffing the Centres of the Earth and San, is now more weiterly than the San: and therefore when the Moon is arrived again at that Point, it will not be yet feen in Conjunction with the Sun; nor will the Luna-tion be compleated in less than 25 Days and a half. See

PERTODICAL, SYNODICAL, &c.
Were the Plane of the Moon's Orbit coincident with th

Were the Plane of the Mona's Orbit coincident with the Plane of the Ecliptic, i.e. were the Earth and Mona both moved in the fame Plane, the Mona's Way in the Heavens, wived from the Earth, would appear juit the flame with that of the Sun; with this only difference, that the San would be fromd to defertibe his Circle in the funce of a Zorr, and the Mona herr in a Mona's but this is not the Teer, and the Moon hers in a Mante: Dut this is not the Cafe; for the two Planes cut each other in a right Line, paffing thro the Centre of the Earth, and are inclind to each other in an Angle of about five Degrees. See INCLI-

NATION. NATION.

Suppofe, e.g. AB (fig. 15.) a Portion of the Earth's Orbit; T the Earth; and GEDF the Moon's Orbit, wherein is the Centre of the Earth: from the fame Centre T, in the Plane of the Eelthic, deferibe unrather CDGD H, the Plany of the Eulpiris, defende member CDG D H, whole Semi-dimenter is equal to that of the Most Orbits. Now, thefe two Clarics, which is the Plant Clarics of the Now, the few Clarics, which is the Plant Clarics of the DC, pulling the tot, Total merfeld cath other in a Lien DC, pulling the Contract of the Eurh. Confequently, C E J, one half of the Coltic C DH, was the Northy and the Northy and the Coltic C DH, was the Northy as the the Sanh. The right Line DC, wherein the two Circles interfeld each other; in call'd the Line of the North, and the Points of the Annies C and D the Northy where the North Contract, that where the North Contract and the North Contract, that Northwards, is call'd the Acendery Node, and the Head of

the Dragon; and the other D, the Defeeming Node, and the Dragon; Tail. See Norse. And the Interval of Time be, tween the Mosn's going from the aftending Node, and re-turning to it, a Dracontic Month. See Dandon's Head, Se.

DRACONTIC Month, &Co.

If the Line of the Nodes were immoveable, that is, if it had no other Motion, but that whereby it is carry'd round the Sun, it would fill look towards the fame Point of the the San, is would fill look ownside the Iame Pont of the Edipier, i.e. would always keep parallel to ridfel; but inter-fanced by Okferwise, that the Lines of the Nodes coulharly control of the Pont of the Nodes coulharly control of the Pont of the Sign, and by a Recrupal Motion, finished in Circuit in about 19 Years; in which time each of the Nodes transmo with Fount of the Edipie. Honois in Edipose, that the Mouse is never pecclely in the Edipic, but twose, each Pariol, was when the is in the Honois in Edipose, that the Mouse is never pecclely in the Edipic, but twose, each Pariol, was when the is in the Honois in Edipose, that the Mouse is never pecclely in the Edipic, but twose, each Pariol, was when the is in the Honois in Edipose, that the Mouse is never pecclely in the Edipic, but twose, each Pariol, was when the is in the form it, being accure or further from the Relique, as face is nearer or further from the Nodes, to the Paune P and E, the is as they greated Distance from the Nodes, which The Mouse Politance from the Nodes, or rather from the

Points are call'd her Limits. See Limits?
The Month Dilitance from the Nodes, or rather from the Ecliptic, is call'd her Lintude, which is mediated by an Arch of a Circle drawn thro the Moon perpendicular to the Ecliptic, and intercepted between the Moon and the Ecliptic, and intercepted between the Moon and the Ecliptic, and intercepted between the Moon and the Ecliptic. The Moon's Lintude, when at the greaterist, as in E or F, never exceeds 5 Degrees, and about 18 Minutes; which Lattinde in the Mouter of the Angless 1 who Nodes.

Sec LATITUDE It appears by Observation, that the Moon's Distance from the Earth is continually changing 5 and that the is always either drawing nearer, or going further from us. The rea-fon is this, that the Meet does not move in a circular Or. bit, which has the Earth for its Centre; but in an Elliptic bit, which has the Earth for its Occurs; but in an Ellipsic Orbet (clack in strept-ented in Fig. 5:0) one of whole Fock, is the Conter of the Earth. A F repreferate be greater, which is the Conter of the Ellipsis, and T C. the of the Ellipsis, and T C. the Conter of the Ellipsis of the Law of the Ellipsis of the Elli

Apogee, returns to it again, is call'd the Anamalijiie Month.

See ANDMALISTIC.

Sée ANOMALIETIC. In all so other Moties, but Mar III the Moser, Corrected the Son, it would fill the a Son and the Moties and the Moties and the Moties and the object of the Carpital to infeld, and always point the fame way, a found to object of the Entprite; but the Line of the Apidées in likewide observed to be most to the Carpital Carp

## Irregularities in the Moon's Motion

Irregulation is the Moon's Musica.

The Irregulation of the Now Motion, and that of her Observation of the Now Motion, and that of her class that the Application of the North Application of the No

when in her Perincipion: So that the Periodical Months are not all coal. See Protonical Months.

2. Again, when the Moss is in her Syzyrier, it, in the Line that joins the Centers of the Earth and Sun, which is either in her Cenjunction or Oppositions 7 the moves further exteris parisha, than when in the Quadratures. See Systems parisha, than when in the Quadratures. See Systems parisha, than when in the Quadratures.

EVOLES.
Further, 3. According to the different Diffance of the Most from the Syaygies, i.e. from Opposition or Cosjanction, she changes her Motion: In the first Quarter, that is, from the Conjunction to her first Quarter, that is, from the Conjunction to her first Quarter, the abaxes formewhat of her Velocity; which, in the fecond Quarter, file recovers: In the third Quarter, the again lofes; and in the laft, again recovers. This inequality was first diffeover'd by Tycho Brahe, who call'd it the Mour's Variation Sec VARIATION

tion. See VARIATION.

4. Add to this, that the Moon moves in an Ellipfis, one of whole Foci is in the Centre of the Earth, round which file deferibes Areas proportionable to the Times, as the primary Planets do round the Sans; whence her Motion in the Perigee must be quickest, and slowest in the Apo-

geo. The very Orbit of the Moss is changeable, and does not always perforce in the fame Figure 3 in Eccentricity being formerine increased, and formetime diminished a greated, when the Line of Apides coincides with that of the Syrygiera and leaft, when the Line of Apides cause the other at right Angles. See OR 117.

6. Not

 Nor is the Apogee of the Mon without an Irregularity;
 eing found to move forwards, when it coincides with the being routed to move forwards, when it coincides with the Lone of Syspies, and backwards, when it caus the Line at right Angles. See Arouse: Nor is this Progress and Regards in any measure equal: in the Conjunction, or Op-position, it goes briskly forwards; and in the Quadratures, moves either flowly forwards, shands fill, or goes back-ward. See Sysvoies.

ward. See Symothes.

7. The Martino of the Nodes is not uniform; but when the Line of the Nodes coincides with that of the Syaygies, they final fill; when the Nodes are in the Quadraures, e.e. when there Line cute that of the Syaygies at right Angles, they go backwards, from Eaft to Weil; and this, See State of the Syaygies.

gics, they go decements, from East to West; and tass, Sir I. Nesson thems, with the Velocity of 16", 19", 24", in an Hour. See Nors...

The only equable Motion the Moss has, is that wherewith fite turns round her Axis exactly in the fame space of Time, in which she revolves round as in her Orbit; whence it happens, that she always turns the same Face towards

For, as the Moon's Morion round its Axis is equal, and et its Motion or Velocity in its Orbit is unequal; it folfews, that when the Moon is in its Perigee, where it moves fwiftett in its Orbit, that part of its Surface, which, on account of its Morion in the Orbit, would be turn'd from the Earth, is not fo, entirely; by reason of its Motion round its Axis: Thus, some Parts in the Limb, or Margin of the Mosn, fometimes recode from the Center of the Disk, and fometimes approach towards it, and fome Parts, that were before invisible, become confpicuous: which is call'd

the Moon's Libration. the Money Librarion.
Yet this Equability of Rotation occasions an apparent Irregularity; for the Axis of the Mone, not being perpendicular to the Plano of its Orbit, but a little hichned to fit and this Axis maintaining its Parallelifun, in its Motion round the Earth; it must freedirily change its Situation, in respect of an Observer on the Earth; to whom, some times the car, and fometimes the other Pole of the Moon, becomes visible. Whence it appears to have a kind of Libration. See Libration and Axis.

Physical Laws of the Moon's Motion.

This much for the Lunar Phenomena: It remains that we affign the Physical Case's thereof. The Moon, we have observed, moves round the Earth, by the fame Luna, and in the fame Manner, as the Earth round the Sun and other Planets. The Solution therefore of the Lunar Motion, in general, comes under these of the Earth, and other Sco PLANET and EARTH.

As for the particular Irregularities in the Mesn's Motion, to which the Earth, and other Planets, are not subject, they arise from the Suc, which acts on, and diffurbs her in her ordinary Progress thro her Orbits; and are all mochanically deducible from the fame great Law, whereby ber general Motion is directed, viz. the Law of Gravitation

ber gooral Motionis arrected, out, the Law of ordensian, or Attaillin. See GRAYITATION.

Other fecondary Planets, w. g. the Satellites of Jupiter and Staten, are doubtleft fubile to the like Integularities with the Moost as being exposed to the same perturbating or disturbing Force of the Sun; but their Diffunce fecures them from our Observation. See Satzelite and Di-STURBING FORCE.

The Laws of the feveral Irregularities in the Syzygier, Quadraturer, &c. fee under Syzyoles, Quadratures,

The Aftronomy of the Moon.

t. To determine the Period of the Moon's Revolution 1. To decermine the Period of the Mow's Revolution round the Earths, are the Periodal Monds; and the Transcall Monds; and the Transcall Monds; and the Transcall Monds; and the Transcall Monds; finec, in the middle of a Lunar Eclipife, the Mow is opposite to the Saus (See Earths;). Compare the special monds of the Periodal Monds of the Periodal Monds of the Periodal Monds of the Periodal Monds. Compare the Saus's uncan Motion discontinued the Monds of the Monds of the Periodal Monds. The Periodal Monds of the Periodal Mo Thus, Copernicus in the Year 1500, November 6, at 12 at Night, observed an Eclipse of the Moon at Rome; and An-

Night, observed an Eclipte of the Moon at Rome; and Au-gust 1, 1523, at 4h 25', another at Crossor: hence, the Quantity of the Synodical Month is thus determined: Obc. 11 A. 1523 d. 237 h. 425' Obc. 1 A. 1502 d. 310 h. 120'

Interval of Time A 22 d. 292 h. 2.5. And the Days

Exact Interval A. 28 d. 297 b. 2.5

119910053

Which divided by 282 Months elapsed, in the mean time, gives the Quantity of the Synodical Month 42321', 9", 9"' 5 that is, 29 days, 12 bours, 41 minutes

From two other Objectuations of Eclipfes, the one at Cracous, the other at Belyson, the fame Author determines more accurately the Quantity of the Synodical Month to

That is 29 d. 11 h. 41524'. 3". 10"'. 9

That is 2 d. 11 n.

The Sun's Motion in the time 19. d. 24.18

The Sun's Motion in the time 19. d. 24.18

Quantry of the Periodical Month 2-d. ph. 43', 5', in the Conce, 1. The Quantry of the Periodical Month being given; by the Rule of Three we may find the Month delivery by the Rule of Three we may find the Month delivery by the Month 2 d. Add thus may Tables of the Month of th

2. If the Sun's mean diurnal Morien be fubfiracted from the Moon's mean diurnal Morion; the Remsinder will give the Moon's diurnal Morion from the Sun; and thus may a Table of Latitudes be constructed, such as those of Bullatder. See LATITUDES

Since in the middle of a total Eclipfe, the Moon is in the Node 3 if the Sun's Place be found for that time, and to this be added fix Signs, the Sum will give the Place of

the Nedt. See Nonz.

the Note. See Noors.

4. From companing the anticet Observations with the modern, it appears that the Nodes have a Motion, and that they proceed in discondant, i.e., from Trans to define the process of the Motion of the Note Institute of Instit

the Discounic Nonth.

5. If the Manion of the diarnal Apogee be fubfracted from the mean Motion of the Mean, the Remainder will be the Mean's mean Motion from the Apogee: and thence, by the Rule of Three, is determind the Quantity of the Anomalific Month.

domadific Math.

According to the Obfervations of Kepler, the mean Sysolical Match in 29 d. 15, 44, 57, 39. Her Ferodical Match in 29 d. 15, 44, 57, 49. Her Ferodical Ferodical Match in 19 d. 15, 44, 57, 59. Her Ferodical Ferodical Match in 19 d. 19 d

Theory of the Lunan Motions and Irregularities.

The Tables of Equation, which ferve to folve the Irre-gularities of the Sun, do likewife ferve for those of the

polarities of the Sun, do likewife ferre for thede, of the Mess. See Equations.

But then thefe Equations must be correctled for the Mess otherwork they will not exhibit here. Moriesis in News-sistency in the Sun of the Place in the Zodies, required in Longitude, for any given times here, we fill find, in the Talkes, the place where it swould be, furprising in Mesten austrony, which we call than the crue Moniesis than, to find there the trace Mones will place her, which is also the appearant, we are to find in asother Table as with Dillaces is from in Apopter for, according to this Dillaces, the Difference between her thereto, is the greater. The tree Place has found, find the thereto, is the greater. The tree Place has found, find the ruce and mean Mories, and the two Pixes which correfued thereton, is the greater. The tree Pixes be found, and yet the tree Pixes is but varies from it, as the Mous is more, or left errentee both from the Sim, and the Sun's Appear, or left errentee both from the Sim, and the Sun's Appear and the Sun's Appear and the Sun's Appear and Sun's American Sun's Sun's American Sun's S

Place from the San; and of that at which the is with re-gard to be room Anopec; this latal Dillinace having been changed by the drift Carrechies.

The control of the control of the control of the con-trol of the control of the control of the control of the sarrive at the More 'mee Place for that installate. In this must be owned, occur peedigious difficulties: I be Learn Loquidities are for many, that it was in via the Affro-comes in blowned to bring term safer any Rode, before the the mechanical Cause of their long-callinic, and for the Method of computing and alcertaining them: So that he Method of computing and alcertaining them: So that he

has a World, in great measure, of his own discovering, or From the Ticory of Gravity Le shews, that the larger

From the Theory of Gravity Le flews, that the targer Planes revolving round the Sun, may carry-long with 'em finalter Planess revolving round themfelves; and flews, å prens, that these familier mult move in Biliptes having their Umbilité in the Centres of the larger; and have their Motonia in their Orbit variously disturbed by the Mo-tion of the Sun; and, in a word, mult be affected with those langualities which we actually observe in the Soun. this Theory, argues analogous Irregularities in the Satellites of Saturn

From this fame Theory he examines the force which the Sun has to diffurb the Mesn's Motion, determines the horary Increase of the Area which the Moon would deferibe in a circular Orbic by Radii drawn to the Earth - the Horary Motion in a circular and ciliptic Orbit the mean Motion of the Nodes—the true Motion of the Nodes—the borary

Variation of the Inclination of the Moon's Orbit to the Plane of the Ecliptic. Lattly, From the fame Theory he has found the annual quation of the Abra's mean Motion to arife from the various dilatation of her Orbit; and that Variation to arife from the San's force, which being greater in the Perigee, dittends the Orbit; and being lefs in the Apogee, fuffers it to be again contracted. In the dilated Orbit, the moves more thouly; in the contracted, more fwifely; and the annual Equation, whereby this it equality is compenfated, in the Apogee, and Periece is nothing at all ; at a moderate diffance from the San, amounts to 11, 50"; and in other places is proportional to the Equation of the Sun's Centre, and is added to the mean Motion of the Mean, Centre, and is added to the mean motion of the when the Earth proceeds from its Aphelion to its Perihelion 5 and fubitracted when in its opposite part. Supposing contractly 16 2; this Equation, when greatell, according to the Theory of Gravity, comes out 11', 49", 8". He adds, that in the Earth's Perihelion the Nodes move (wifter than in the Aphelion, and that in a triplicate Ratio of the Earth's diffunce from the Sun, inverfely. Whence arife annual Equations of their Motions, proportionable to that of the Centre of the Sun. Now the Sun's Motion is an duplicate Ratio of the Earth's Diffence from the Sun inverfely, and the greatest Equation of the Centre which this Inequality occasions, is 18 (6° attempted to the Sun's Result. occasions, is 19, 56', 26', agreeable to the Sun's Eccantricity to \$\frac{4}{25}\$ 

If the Sun's Morson were in a triplicate Ratio of its Dittarce inverfely, this Inequality could generate the greatest Equation 2°, 66', 9"; and therefore the greatest Equations which the Inequalities of the Motions of the Mon's Apoge c and Nodes occasion, are to 2°, 50′, 9°, as the mean diarnal Motion of the Moon's Apogee, and the mean diarnal Motion of ber Nedes are to the mean diarnal Motion of the Whence the greatest Equation of the mean Motion

Sun. Wence the greatel Equation of the mean Motion of the Appear common as 10°, 5°, 5° and the generic Reguest of the Appear common as 10°, 5°, 5° and the generic Reguest in added, and the latter fidelitation, when the Equation is added, and the latter fall that the Appear of the A in the fecond. Hence arifes another Equation of the mean Lanar Morion, depending on the Situation of the Mon's Apogee with regard to the Sun, which is greatest when the on's Apogee is in an Octant with the Sun; and none, whe Nonex Apogoe is man Octant with the Sun; and none, when that arrives at the Quadrature, or Syspite; a unit sudded to the mean Motion, in the Paffage of the Mon's Apogoe from the Quadrature to the Syspiges, and fublicated in the Paffage of the Apogoe from the Syspiges to the Quadra-ture. This Equation, which he calls Somefirit, but greatef, vaz. in the Olians of the Apogee, arifes to 3', 54", at a mean diffance of the Earth from the Sun 5 but e increases and diminishes in a triplicate Ratio of the Suo's if increase but of minimize in a replace hatto or the San's greatest distance, is \$\phi\_1\$, \$\phi\_2\$ in the smallest \$\phi\_2\$, \$\phi\_3\$ is \$\phi\_1\$. The smallest \$\phi\_2\$ is \$\phi\_3\$ in the smallest \$\phi\_2\$ is \$\phi\_3\$. The smallest \$\phi\_2\$ is \$\phi\_3\$ in the San's switchout the Octaons, it becomes lets, and is to the greatest Equation, as the San of doubte the distance of the \$\phi\_2\$ size \$\phi\_3\$ project, from the next of doubt the distance of the \$\phi\_2\$ size \$\phi\_3\$ project, from the next of the size \$\phi\_3\$ project.

Syzygy or Quadrature, to the Radius.

From the fame Theory of Gravity it follows, that the Sun's Action on the Moon is formewhat greater when a Line Sun's Action on the Most at Joneswat greater when a Line right drawn through the Allevis Nodes paties through the Son, than when that Line is at right Angles with another toloring the Sun and Earth. And bence aries another Equation of the Allow's mean Motion, which he calls the anide Sungirin, and which is greated when the Nodes are in the Sun's Odlaw's, and vanifles when they are in the Sun's Questroures y and in other Stigustions of the Nodes is proportionable to the Sine of double the diffunce of either Node from the next Syzygy, or Quadrature: it is added to the Mose's mean Mosion while the Nodes are is added to the ...more s mean Judson while the ...more s mean Judson while the ...more s mean from the San V. Quadranter to the next Syaygy, and tubliracted in their Pailage from the Say gives to the Quadranters in the Celtans. When it is greately, it amounts to 4% at a men diffiance of the Earth from the San year of the Earth from the San year of the Earth ; and therefore in the Sun's Perigeo is 45"; in

the Earth 3 not increase as the Apogee Barbard and the Apogee and Theory of Gravity, the Mose's Apogee Proceeds the failet when either in Coojunction with the Sun, or in Oppolition to it; and returns when it makes a Quadratuse with the Sun. In the former Cafe, the Excellent and the Apogee Sun and the Latter finallest. Thefe Incontroving greatest, and in the latter finallest. These in-equalities are very considerable, and generate the principal Equation of the Apogee, which he calls Semifrie, or Semi-mentitud. The greatest Semi-mentitud Equation is about 13°, 18°. , 18'.

130, 18.

Herras first observed the Mosta to revolve in an Ellipfi, round the Earth placed in the lower Umbilizeus: And Halfay placed the Centre of the Ellipfis in an Enjeycle whole Centre revolves uniformly about the Earth: And from the Motion in the Epicycle arise the lengulation woodstread in the Progress and Regress of the Apoges, and

the Quantity of the Eccentricity

ousset un use respects and. Respect of the Apogec, and the Apogech and the Apo

In the Earth's Perincison, by reason of the greater force of the Sun, the Centre of the Moon's Orbit will move more fwiftiy about the Centre C, than in the Aphelion, and that in a triplicate Ratio of the Earth's diffunce from the that in a triplicate Ratio of the Earth's diltance from the Son nwrefcly. By reason of the Equation of the Centre of the Sun, comprehended in the annual Argument, the Centre of the Mon's Orbit will more more (wriftly in the Epicycle B D A<sub>3</sub> na duplicate Ratio of the diltance of the Earth from the Son inversely. That the Iame may fill more more furtilly in a simple Ratio of the diltance inversely from the Centre of the Orbit D<sub>3</sub> days D E todill more more feelilly in a fingle Rain of the dillates inscribely from the Centre of the Orbit D, draw D E, you have a dillate of the Centre of the Orbit D, draw D E, you have a dillate of the Centre of the Orbit D, draw D E, you have a dillate of the Centre of the tens and the Motion of the Ümbilicus; and at the dittance or two Most from the Earth (abtends an Angle which the fame translation generates in the Motion of the Moss; and which may therefore be call'd the Scoond Equation of the which may therefore be call'd the Scoond Equation of the which may therefore be call'd the Scoond Equation of the which may therefore be call'd the Scoond Equation of the which may therefore be call'd the Scoond Equation of the which was the scoon of the Scoond Equation of the which was the scoon of the Scoond Equation of

Course. This Equation as a mean diffuses of the More from the Earth, is as the Sine of the Angel contanty'd because the control to be revened the right. Line D Ps, and a right Line drawn from the Point F to the Monn, nearly; and when greated, amounts as 1, 3% Now the Angle Comprehended he revene the right Line D F and a Line from the Point D, is found either by Individually and a Line from the Point D, in found either by Individually and a Line from the Sine to More a Dynamic Committee Commi dillance from the sour to the cuttance of the owners apogee from the Apogee of the Sun. And as Radius is to the Sine of the Angle thus found, fo is 2, 25" to the fecond Equation of the Centre, which is to be added, if that Sine be lefs than a Semi-circle, and furthracked if grenter: Thus we have its Longitude in the very Syzygies of the

If a very accurate Computation be required, the Moon's Place rhus found must be corrected by a second Variation. The first and principal Variation we have already consider'd and have observed it to be greated in the Octants. The fecond is greatest in the Quadrants, and arises from the another Angle Q to the fecond Variation, which is to be fubfiracted, if the Moon's Light he increasing a and added. if diminifhing

Thus we have the Mon's true Place in her Orbit; and by reduction of this Place to the Ecliptic, the Moor's Longitude. The Angies P and Q are to be determined by obfervation: in the mean time, if for P be affumed a', and for Q i', we shall be near the truth.

Nature of the Moon.

z. From the various Phales of the Afron: From her only showing a little part illumined, then following the Sun ready to fer: From that Part's increating as fhe recross from the Sun, till at the dillance of 800 fhe fhines with a full Face; and again wains as the re-approaches that Luminary, and lofes all her Light when the meets that Luminary, and lofes all her Light when five meets thin a From the back flarth being containtly turn'd to-wards the Wedi, while the More interested; and towards part links on which the Surfe Rays fall. Led from the Pluzoomena of Eclipfes, happening when the More fluctuation of the Surfe Rays fall that the Surfe Rays fall is all from the Pluzoomena of Eclipfes, happening when the More fluctuation of the Surfe Rays for the Su rows whatever Light the has from the San. See PHASES,

Ectivas, and Sun.

a. The Moon fometimes difappears in the clear Heaven, fo as not to be difcoverable by the best Giastes; little Surs fo assure to be differentiable by 'fin best [Gisffes ] this Sun-of the fifth and first Magninde all the time remaining withits. This Phramuttons Keylor ubderved write Amer 13/60, and 14/81; and lifetain in 16.00. Remail, and other 15/60, and 14/81; and lifetain in 16.00. Remail and other John and the thought of the sun of the sun of the sun of the was all the true configuous. Demailer 54, 1755, and the sun of paperd of a yold bud the best sun of the transparent, as if the Sun had fonce through a st Mayfale, one was use radial, the other were dealy a sun of the sun of transparent, as it the Sun had from through; a Refugler, one part was reddiffh, the other very dusky; and, at length, the in a clear Sky, wholly disappear'd. Here it is evident, that the Colourseppearing different at the fame time, do not belong to the Noun; that they are occasion'd by an Atmosphere around her variously disposed in this and that Place, for refracting of these or those coloured Rays.

Place, for refracting of their or those coloured Rays.

3. The Eye, either naked, or arm'd with a Telefope, fees fome parts in the Meen's Face darker than others, which are call'd Maculze, or Syst.. Through the Telefope, while the Moon is either increasing or decreasing, the illumined the Moon is either increasing or decreasing, use numero-parts in the Maculæ appear evenly eterminated 5 but in the bright Parts, the Bound of the Light appears jugged and uneven, competed of difficultar Archos, covers and concave. (fee Tash. Astronomy, Fig. 18.) There are alfo-othered better dispersed among the darkers and illumined Parts dispersed among the darkers and illumined Parts feen beyond the limits of Illumination; illumined Paras feen beyond the limits of Illumination so tober intermediate onceronating till industried; and near the Massila, and even in 'een, are frequently feen fach build Specks. Beldie the Massila offerend by the American, there are other variable ones invisible by the naked Eye, call Now Massila, laways opposite to the Sam, Eye, call Now Massila, laways opposite to the Sam, experience of the control of the control

if fome appear brighter, and others darker; fome reflect the if fome appear brighter, and ordere darker, I some crelical his South Kstyn merc organization when the south Kstyn merc organization. And, (1-) State the Boundary of the three darkers are betterappeared. And, (1-) State the Boundary of the three darkers are been as the south and organization and the south and deferred the south and desired the mercy are bigger than the reli, i. e. find up above the other bards of the Mann. (a) The New Maxule and the south and

Magattude were confpicuous, at the fame Altitude of the 2400s, and the fame Elongation from the Earth, and with one and the fame excellent Telescope; that the Moon and its Macolo do not appear equally lucid, clear, and perspiits Mixede do not appear espatial mend, event, and penjuecosas, at all times 5 but are much brighter, pare, and more diffined at one time than another. From the Circumstances of the Obfervation, via swident, the reason of the Phanomunon is not either in our Air, in the Tube, in the

Phenomenon is not either in our Air, in the Lube, in the Moses, nor in the Spectator's Eye 3 but mult be look'd for in formething exifting about the Moses.

5. Capia Tecquently otherw'd Sizers, Sipiers, and the fix'd Stars, when hid by the Moses, near her Limb, when the Moses, near her Limb, when the Moses are the Limb and the Moses are the Moses ther the illumined or dark one, to have their circular Fither the illumined or dark one, to have their circular rya-guer changed into an oval one; and in other Occultations found no alteration of Fagure at all. In like manner, the Sun and Mose rings and circular in a rayroras Horizon, do not appear Circular, but Elliptic. Hence, as we know, by fure Experience, that the, Cir-cular Figure of the Sun and Mose is only changed into an

cular Figure of the Sun and Moor is only changed muo an Elliptic non by means of the Refruélion in the vapoury Armofpiere; its pretty apparent, that at the time when the circular Figure of the Stars is thus changed by the Moor, there is a dende Matter mecompatting the Moor, wherein the Rays emitted from the Stars are refracted; and that at other times, when there was no change of Figure, this Matter was wanting.

This Phanomenon is well illustrated by the following Experiment: To the inner bottom of any Vetfel, either Plane, Convex, or Concave, with Wax fatten a Circle of Paper; then pouring in Water, that the Rays reflected from the Circle into the Air may be refracted before they reach the Eye ; viewing the Circle obliquely, the circular Figure

the Eye viewing the Girle obliquely, the ceredia Figure will appear changed mon a Billipia.

6. See Mon 1s a dingle spack fooly, left with Monardon, Fally, and Jon. 1 That the Mons 1 design, and interest has been a dingle spack fooly, left with Monardon, Fally, and Jon. 1 That the Mons 1 design, and interest file above them, that forme parts this below, and others affe above them, that forme parts this below, and others affe above them are withing a to great a diffusion of the Earth from the Sans 1 in the More threefore are hope Monardon, and every deep Fallyne, Revision medicated behaviors, and every deep Fallyne, Revision medicated intend it are Milles high.

Article arrived memoly the Sans and their reckellers and their reckellers and their reckellers and their reckellers. tonad it niec Milles high. Agam, in the More are Ipacieus Trackt, baring finoch eren Surfaces, and thoir criebching lefs Light than the reit! Hence, as the Surface of Hadd Bodicie is naturally even, and as when transparent, they transmit a great pert of the Raysol Light, and crifted very little is the Lannar Spots are Build, transparent Bodics is public to the Lannar Spots are Build, transparent Bodics is the More, the continue continuity the fame, are San. In the More, the continue continuity of the More, are San. Hence again, the lucid parts of the Spots are Iflands and Peninfalu's.

And fince in the Macula, and near their Limbs, are feen fome parts higher than others, in the Lunar Seas are Rocks and Promontories.

and Promontories.

And fince the new Spots are contiguous to the Meuntains, and in all reflects like the Shadows of Bodies on our Earth; no doubt they are the Shadows of the Lunar Mountains: Whence also appears the Matter of the

nar fidentians: whence and appears the matter or the Meen is opace.

Note, This Reafoning will be part part droub by viewing the fentible Horizon from fome Emirence: Where it paffes over a Plain, the Line will appear fmooth and oven a contract of the second over a contract ov where a crofs Mountains and Valleys, irregular and wind-

where a-crois Mountains and Valleys, irregular and wind-ing a fmooth, but cark, etc.

1. The Moon is incompaly? a wind an heavy and elaffie of mosphere, where is Fapour and other Exholations arily, and whence they return in form of Dew and Rain.

In a total Eclipto of the San, we find the Now in-circled wind a lacid Ring parallel to her Periphery.

circled with a locid Ring parallel to her Periphery.

Of this, we have too many Oblerations to doubt: In
the great Edilpho 1175, the Ring was very conflictions at
the great Edilpho 1175, the Ring was very conflictions at
Edilpho 1175, you Noplis and Amery 1; the root of an
Edilpho 1175, you Noplis and Amery 1; the root of
another in 1606 at Leiphi, deferibed at large in the Ada
another in 1606 at Leiphi, deferibed at large in the Ada
another in 1606 at Leiphi, deferibed at large in the Ada
another in 1606 at Leiphi, being the part of the Pendo
it with the Conformation of the Pendo
it with the Pendo
it w sing some tode their Light iter than the intermediate once; it is which is confirmed by the Observations of the French running round, and appearing forestimes larger, forestimes Affronemer in the Affronesica & Lichaester, &C. 1706. Hence, (1.) As all parts are countly illumined by the to the Figure, and which both reflects and refrords the Sun, in as much as they are equally distant from him: Sun's Rays. And hence also, this Find is desired below.

DO41

near the Mosn's Body; and rarer above. Now as the Air which incompaffes our Earth is fuch a Fluid, it is manifest there is Ar about the Mon; and tince the different Denfity of the Air depends on its different Gravity and Elafticity, so death the different Benfry of the Lutar Air has the fame Carles. Again, we have oblet? de Lutar Air has the fame Carles. Again, we have oblet? de Lutar Air is not always equally clear and runsfparent i functione is the changes the [phen-tal lympered for deep into Oral); and obletered a trembling in the Moork Limb, immediately before immersion, with an Appearance of thin, light Smooth flying over it during immersion, very appearant in Green of the Carles of no doubt the different Denfity of the Lunar Air has the ours must have been precipitated on the Moss; and there-ore either Dew, or Rain, or Soon have failen.

7. The Moon is a hody in all respells like our Earth, and fitted for the fame purpojes. For we have shown that it is Deuje - Opake has Mountains and Valleys - Sear, with Islands, Peninsula, Rocks, and Promontories -- a changeable Atmosphere, wherein Vapours and Exhalations rife and fall
Day and Night; a San to illumine the one, and a Mon

—Bisy and Niges; a low to Hillanine the ene, and a jown the other, —Somer and Firster, then it either Properties and Appendages of the Most be deduced: From the Changes in the Atmosphere will follow Winds, and other Afterers; and according to the different Scales of the Year, Kain, Milys, First, Shere, &c. From the Inequali-ties upon the Most Surface will artific Laker, Reers,

Now Nature, we know, produces nothing in vain: Rains and Dows fall on our Earth to make Plants vegetate; and and Dewis 110 on our Earth to make Finnis regents; and Plants take Roor, grow, produce Seeds and Finnis for Am-mats to feed, and the Nature is till uniform and confinen with herfelf, and like things fever for like Ends; Why then may not there be Flants and Adminds in the Mown? To what other purpose for nice a Provision for them?

Thefe Arguments will receive new force when we come to fhew that our Earth itfelf is a Planet; and that when viewed from the other Planets, it appears, in fome, like the Mem in others, like Venus in others, Japiers, & A Simi-litude between the Planers, both Optical and Physical, be-ing a firong Prefumption their Furniture is alike. See EARTH and PLANER.

To measure the Height of the Mountains of the Moon.

Suppose ED (Fig. 19.) the Moon's Diameter, ECD the Boundary of Light and Darkness; and A the Top of the Hill in the dark part beginning to be illumined : With a Telefcope observe the Proportion for A E, or the while leftings unleave the proportion for A E, or the diffiance of A from the Line where the Light-commences, to the Diameter of E D: Here we have two fides of a rectangled Triangle A E, CA; the Squares of which added rogether give the Square of the third; whence the Semi-diameter C D being fublifiated, leaves A B, the Height of the Mountain.

B C = 8, the Remainder is A B = 0.61. The Mont's Semi-diameter, therefore, is to the Mountain's height as 8 is to 0.65; i.e. as 800 to 62. Supposing, therefore, the Diameter of the Mont 1182 Emilia Miles, by the Rule of There we find the height of the Mountain's Miles.

The Heights, 86. of the Lunar Mountains being mea-

Name. Receiving, whom most others now follow, diffinguished them by the Names of the Celebrated Afronauers; and by these Names they are fill expressed in Observations of the Lunar Eclipse, Se. See the Figure, (Tab. Astro-NOMY, Fg. 20.)

The apparent Magnitude of the Moon.

The Magnitude of the Moon, at rifing and feeting, is a Phaenomenon that has extremely embarrafied the modern Philosophers. According to the ordinary Laws of Vifion, it flouid appear the leaft when nearest the Horizon, as being the state of the Moon of the Moon of the Moon of the See and the field. Boold uppear the leaft when mearch the Herines, a threin, then nearest to the Kys 1 and year field the conservation with the part of the Men and the conservation with the state of the Author, account for this from the long Series of Doj-ick interpoled between the Kye and the Extremity of the femiliable Liourus, which make is a reading it more remote than when in the Meridian, where the Kys feen poshing in the way between the Olytick and either. It has lead of a great filling, making in minighe the John the bugger: For any Olytick being from unless any octation Angle, and the simple the John the Day of the Series of the Control o

Debleved, at the fame time, very remore, we naturally judge it must be very large, no appear under foch an Anglie at must be very large, no appear under foch an Anglie at must be very large, no appear under foch an Anglie at must be under the termination of the Montalina providing the form of there greater.

The group of a greater ange, so as reary planted to a single product of the control of the contr Objects feen towards the Horizon, to which the Moon cor-Objects Icen towards the Horison, to which the Moor cor-retponds at her Riling and Serting. And hence it is that the appears greater fill, when the rifes or fets between Trees; the narrow, yet diffined intervals whereof have the fame Effect with regard to the appearen Diameter of the Moor, as a greater number of Flutes with regard to the Shafi of a Column.

the Monn, as a greater number of Flues with regard to the Charle at California Monoy, for Extrate.

For the Mount Paralles, for FARALLAS.

To find the Mount Are, To the Day of the Mouth add the Explot of the Vern, and the Mounth from Moreis Included the Capital Cap fhining in the Morning.

MOOR, MORA, a Heath, or barren Tract of Ground.

See HEATH. It is fometimes also used for a Morals, Moss, or Fen. Sec.

MORASS. Mora Moffa, in antient Writings, particularly denotes a Mofa, or Peat-Mofa

MOORING, at Sea, is the laying out of Anchors, in a roper place, for the fecure Riding of a Ship. Sco

To Moor a-crofs, is to lay out one of the Anchors on one fide, or a-thwart a River, and the other right against it.

To Moor alongs, is to have an Anchor in a River, and a Hawfer on Share.

To Moor Quarter for, is to moor Quartering, between the two first ways. MOORING for East, West, &c. is when they observe which way, and on what Point of the Compass the Wind

or Sea is most likely to endanger the Ship, and there lay out an Ancho

out an Anchor.

MOORS-HEAD, in Chymitlery, a Copper-Cap made
in form of a Head, to be fet over the Chimney of a Reverberating Furnace. See Rayrasanarous.

Moora-Head is also the Head of a Copper or GlaisStill or Alembid, which is luted on to the Body or Cacurbia, Deck or Type to let the Spirit run down into

Marches a Bock or Type to let the Spirit run down into

Marches a Marches Cap Complian gravage by the

MOOT, a difficult Case, or Question argued by the Students of Inns of Court, by way of Exercise, Sea Mooring.
The Word is formed either from the Saxon, Mosting, Affembly; or the French, Mor, Word.

MOOTING.

MOOTING, the chief Exercife of the Students in the lone of Court; being the arguing of Cafes, which young Utter Barrillers, &c. perform at appointed Times, the better to enable them for Practice, and the Defence of their Clients Caufes. See INNS of Court,

Such, as from their Learning and Standing are call'd by Such, as from their Learning and standing are cart of the Bencherso argue Most Cafe, are call d'Uner famillers; the reft, who for want of Experience, \$50. are not admitted, are call'd lines Bengisters. See Bengisters.

The Place where Moot Cafes were argued, was antiently and the standard of the second of the

call'd a Most-Hal

In the luns of Court there is a Eailiff, or Sarveyer of the Most, yearly cholen by the Bench to appoint the Most-Men for the Inns of Chamery, and to keep Account of Performance of Exercises, both there and in the House.

MOOT-MEN are those who argue Most-Cafes. See Moor. Out of these Meet-Mew are choic Readers for the lines of Out of their owner-new are concerned to the road of their owners, in Term-time and in Vacations, they argue Cales in the preference of Attorneys and Clerks.

MORAL, any thing relating to the Manners, or the Conduct of Life. See Manners.

Thus, besides the Theological Virtues, as Faith, Hope,

Chairs, E. we fay there are also Moral Virtues, as Instince, Temperance, E. See Virtues. MORAL of a Fable, is the Intiruction drawn from it. See

Thus when Phedrus at the end of a Fable adds, Hee illis diffum gai, E.e. that makes what we call the Moral. This, the Greek call'd imaging when at the end of the Fable, and supplies at the beginning. The Latins call it Affelia

MORAL Sense, the Faculty whereby we differen, or per-ceive what is Good, Virtuous, Beautiful, &s. in Actions,

Manners, Characters, &c.

Associety, Characters, Sec. A late Author has endeavoured to prove, that it is a peculiar Senic whereby we get the ledes of thefe Things; and denominate its Mend Jones. See Mend Stames.

Monat Theologie is that which treats of Cafes of Concence; call data Capitys. See Canastrary.

Monata Certamy, or Advance, is used in figsily a very strong Probability; is contra-distinction to a Mathematical

See CERTAINTY. Demonstration. Demonitation. See Cratainy.
Monal inspighility, is what we otherwife call a very
great, and almost induperable Deficulty; in opposition to a
Physical, or Natural Impositionity. See instrustructive.
Monal Philosophy, a Science whose Object is to direct,
and term our Wanners; to explain the Reason, and Nature of Addisons; and to reach and instruct as how to

acquire that Felicity or Happiness which is agreeable to human Nature. See Philosophy.

Meral Philosophy is the fame with what we otherwise call Ebbics. See Ethics.

Mon At Africa, or Acts, are fuch as render the Rational or Free Agent Goad or Emil 3 and, confequently, Rewardable and Pumihable because he doth them. See Good, See. MORALITY is a Conformity to those unalrerable Obligations which refult from the nature of our Exittence, and the necessary Relations of Life; whether to God as our

Creator, or Mankind as our Fellow-Creature MORASSE, a Marsh, fen, or low moift Grounds, which drain the Waters from above, without having any defects

to carry them off again. Somner derives the Word from the Saxon Merfe; Salma-fine from Mare, a Collection of Waters; others from the

just 1000 Atore, a Calledino of Waters, others from the Geoman Muraji, a muddy Place; and others from Murge, of Mariestum, a Murajini, i.e. Ruffies. In Sentand, Ireland, and the North of England, they have a peculiar kind of Murajie, call'd Majfee, or Pear-Mujie, whence the Country-People dig their Peat or Turt. See Ture.

The Earl of Cromartie gives a particular Account of these Mosses in the Philosoph Transatt. They are cover'd with a heathy Scars, under which is a black, moith, spongy Earth, in fome Places shallower, in others deeper, or

narily from three or four to feven or eight Feet depth, tho' in fome few Places twice or thrice as much. This black, fpungy Earth they cut into oblone Squares with Iron Spades fitted to that end, eight or nine Inches long, and four or five broad; as the Men cut 'em up, they are carried and spread on a dry Ground, to be dried in they are carried and spread on a dry Ground, to be dried in the Wind and Sun. Some of their become barder, forme fofter, according to the nature of the Mold or Earth: The more black and folid, the better Fire 3 and they are the least effectmed which are greyeff, the lighteff, and most

When they have cut off one Surface of four or five Joches When they have cut off one Surface of four or five loches deep, they proceed downwards to another, and for to a third and a fourth, till they come to the hard Channel, un-lefs they be floyd with Warer, which they also ordinarily remove by making a Channel, if they can; but where they canner, there the Water flagnates. In fuch wafted Pits, or Pear Dikes, as they call 'cm, where Water hinders the

og the fpungy Earth to the Bettom, the Pits will be fill'd up again in fome Years with new foungy Earth ; which in process of Trme comes to the consistence of Pear-Mosa as at first, and a fearty Heath-Turf grows over Pear Mons and Then the Dikes are dug down to the hard the Tup of it. When the Dikes are dug down to the hard Channel, the Modies don't recess, as in the other Cafe 3 then it has been observed, that if they be cut down to the Channel, provided the Heathy-Turf cut off from the Tup be but laid on the Channel, in course of Time the Moss.

gross again.

Their Mulics always thand on Plains 5 tho' they are frequently found on Hills, and near the Top of 'em tool frequently found on Hills, and near the Top of 'em tool of the t Quantities of i ir . nd Oak Wood, ufually in whole Trees; for the smaller Branches are seldom found unconsum'd. 'This Wood is as good for use as any old Wood is 3 only that having imbibed a deal of Moisture, it takes some time to

dry, in order to fit it for ufe.

There are many Places, where Wood will not grow, where yet the Moffes are well flock'd with thefe Uederground Timber; but yet it appears there must have been Woods formetly: Elle how come they in the Moffes? Woods formerly: Elle how come they in the Modies? To prove this, that Noble Lord gives us the History and Origin of a Mofs, in great meafure from his own Experience. In the Parish of Lockhow, in the Year 1851, the faw, near the Top of a very high Hill, a Plain about a Mile over, then overed with a firm Handing Wood, but which was fo very old, that no only the Trees had no Leaves or Bark on, but the outlide for the space of an Inch inward was dead, white Timber, the within ther were inward was dead, white Timber, the within they were firm. Coming by the fame Place 17 years after, the could not different place and Appearance of a Tree, but inflicad thereof a plain green Ground cover'd with a Mosf; the Trees being all fallen, and having lain of thick over one another, the Green had over-tun the whole Timber, by means of the Moffure draining from the Hill above it. and fragoating on the Plain. He adds, that more could value over it 3 the Scurf not being firm enough to support 'em.
In thirty Years more be found the whole Piece of Ground turn'd into a common Pear-Mafe, and the Country-Prople digging Turf and Peats.

digging 1 urr and reads.

This accounts for the Generation of Moffes, and whence
it is that many of them are furnished with Tunber.

MGRATUR, or Damoratur, in Law, fignifies as much as be Demars; by reason the Party here goes not forward, but reits, or abides upon the Judgment of the Court, who

DEMURRER. When the Council of the Party are of opinion, that the Count or Plea of the adverfe Party is infufficient in Law 3 then the Desary, or abides in Law, and refers the fame to the Judgment of the Court.

MORBID, MORRIDUS, in Medicine, is apply'd to fig-nify those Parts, Humours, &c. wherein a Defenic lies. See

Morans, in Painting, is particularly apply'd to far Flessr very strongly experdied. MORBILLI, in Medicine, a Disease popularly call'd the Menses. See Mrantes. the Meaffe. See MEASTES.

MORBUS, a Term purely Latin, fignifying Difesfe.

MORBUS Comitalit, is the Epileply; thus call'd by the Roman, because when in any of their public Astemblies Perforas fell down with this Diffenence, they immediately broke up, and diffulved the Countie, which was the common Appellation for fuch Course. See EFILERSY, Models Refine, 2 JAUNDICE.

Appellation for field. Courts. See Extrary.
Media Reijin.
Media Prijinan, Jee

[Alternation of the Memory See Courts of the Memory See Court of the Me

SCC CASTAGNETTAS MORNING, the beginning of the Day; or the Time

MORNING, the beginning of the Day 5 or the Time of the San-rifing. See Day and Risino.

The Aftenomers recken Norming, None, from the time of Midninght, to that of Mid-day. Thus an Eclipfe in faid to begin at 11 a clock in the Morning, Ste. Monanies Arm's the Planet Form, when a little to the Eathward of the San 5 that is, when the rifes a little before him.

him. In this Situation she is call'd by the Greek Phop-pheray; by the Latins Lawfer, &c. See Progresses. Morning The high, see Carrierurum. Morrhellew, is that Freche or Scarf which breaks out forectimes upon the Skin, particularly about the Forchead-See Fragelle.

See FRECRIES. MORSELLI, and Monsuer, antient Names for those Forms of Medicines which were to be chew'd in the Mouth, as a Lovenge; the Word fignifying a little Mouth.

MORSUS Dubble, Devil's Bit 3 a Plant which feems to

have a fringe around its Leaves, is thus call'd.

From a likeacis hereto, has the Edge or Selvidge of the Tabs Falspans, obtain'd the fame Appellation. See

FALLOPIAN.

MORSUS Canis rabids, See SHYDROPHOFIA.
MORSUS Fipers, See VIPER.
MORT d'Ancefre, in Law, fee Assize of Most d'An-

MORTALITY, a Term frequently used to fignify a contagious Disease, which destroys great Numbers either

of Men, or Beatts.

Bill of Montality, are Weekly Lifts compiled by the Parish Clerks in and about London, containing the Numbers of fach as die of each Difease, as well as of those that are

barn every Week. The Bills are of fome flanding in England, is imitation whereof they are now eilablifted at Paris. They are very ufeful on feweral accounts, particularly in judging of the Mortality of any Difeafe, and whether an Epidemic or lo-

feltima Diftemjer increasies or abaton.
Mr. Grazut, who examin'd thefe of London very scenarity, has wrote an expect in Treatific of ten. Among other control of the state of fectious Diftemper increases or abates. fix Years, but 3 ; at the end of feventy fix, but 1 ; and at the end of eighty Years, they are reduced to none.

He likewife makes it appear, that in England in general, more are born than die; but in London, more die than are born : The Proportion of Births to Burials, in the former, being as 1 1 to one 3 in the latter as 1 to one. Thus also Birth. But in Paris they outdo Landon; their deams being are born; there being but one death to 1. 17 Births. See MARRIAGE

MORTAR, or MORTER, in Architecture, is a Prepa

MORTAR, or MORYER, in Architecture, is a Prejution of Lime, Sand, Gr. maced op with Waret s Freings, as a General, to blod the Stones, U.S. of a Bailding. See BUILDING, CHRIST, G.C. Morris, for every hard on The Automa had a held of a Libertine, via next to rimpositive for the Company of th

Pazzneli; adding, that it penetrates black Flints, and turns em white. The Lime used in the antient Morter is faid to be burnt

from the hardest Stones, and even Fragments of Marble, See LIME.

Sec LIME.

Mr. Worledge observes, that fine Dust makes weak

Morrar; and the rounder the Sand, the Gronger the

Morrar. He therefore advise the Sand to be waffied e'er

mixed; and adds, that dirty Water weakens the Morrar

considerably. Sec SAND.

The Proportion of Lime and Sand in our common Mar-sar is extremely variable. Farmons preferibes three parts of Pit-Sand and two of River-Sand to one of Lime; but the Sand here feems to be over-dofed. About London,

the Sand here ferms to be over-defied. About Leakin, the Proportion of Soul et quick Limits as \$6 or \$1, 10 forme Fares they wile equal (Quantities of each, or Wifsian obtained to the contract they will equal (Quantities of each, or will have been proposed to the contract the c of Afperity.

Mixing and blending of Montan;

M. Felibien observes that the Antient Masons were so very scrupulous herein, that the Greek kept ten Men confluently employ'd for a long space of time, to each Bason, which

render'd it of fach prodigious Hardness, that Virmoiss tells us the Picces of Platter falling off from old Walls ferved to make Tables. Ethiote adds, it is a Maxim among old Mafons to their Labourers, that they should dilute with manosa to mere Laudurers, mat mey Bould dittie with the Sweat of their Brow, r.e. labour it a long time, inflead of drowning it with Water, we have done the foncer. Befides the common Materia wide on laying of Stones, Bricks, 26c. there are feveral other kinds. As, White Morrans, ufed in Plaiftering the Walls and Ceilings; made of Ox-Hair mixed with Lime and Water,

without any Sand. See Plaister.
The Moryan used in making of Water-Courses, Cifterns,

The Moi vs. a feel in making of Ware-Courfac, Cillera, Egic is very hard and darable, made of Lime and Hoge-Greate, Conceimes mixed with the Jaice of Fige, and forestimes with lepid Winch a steet Application is in Montana, for Jamane, Egic. is made with red. Clay wroughtin Wart, wherein Horfe-Dung and Chinney-South has been theep'd. See Farnace, may be made of Lime and Sand emerged with Limited Oils or, for ware of that, with fearm'd Mills. This will grow to the Hard-ned of a Stone.

Its or a Stone.

In Buildings, one part of wash'd Soap-Ashes mixed with sother of Lime and Sant, make a very durable Mortar.

MORTAR, or MORTIER, a Badge, or Ensign of Dignity bore by the Chancellors, and Great Presidentsof the Parliaments of F

It conflits of a Fiece of Velvet edged with a Gold-Lace. They formerly here it on their Head, but now in their Han

Hancs.

Hênce they are call'd Prefidents a Martier.

MORTPAR-PIECE, a flust Piece of Ordanace, very
thick and wide, proper for the Carriage of Bombs, Carcaster, Shells, Stones, &c. Sec Oa nnance, Bomb, Car-

There are two kinds of Mortars; the one hang, or mounted on a Carriage with low Wheels, after the manner of Guns, call'd Pendent or Hanging Mortars: The other fixed on an immoveable Bafe, call'd Standing Mortars.

nece on an immovemble Bale, call of Standing Mortars. At the head of the Bore, or Chale of the Martar, is the Chauder, for the Change of Fawder. This is uftailly made Cytiodrical, all but the Bale, which they made Hemi-fpheroal: The fame of the later Bagic ear prefer Spheirical Chambers; as the Sarface of those being left, under Chambers in such east Redifference to the Gun-Fowder. C CHAMBER.

Sec U.J.AMBER.
The Thickness of the Marnar about the Chamber is to be much greater than about the Chafe 3 by reason the Chamber makes a much greater Effort about the Chamber than elewhere. The Diameter of the Chamber to be much lief than that of the Grey by reason Bomba, Shella, gif. are much lighter than Bulless of equal Districts; and, casilequently, kife Powder (miscon. Sec.)

meters 3 and, consequence, and a shrure, the proper Quantity of Gus Powler is par into the Chambors and if those he as yeared page, they fill it we will hay form chair a wooder Plag. Over this they lay a Turf 5 tomes a wooder Plag. Over this they lay a Turf 5 tomes a wooder Plag. They have been been seen to the page 10 and 10 and

The Quantity of Gun-Powder to be used, is found by dividing the Weight of the Bomb by 50. Tho' this Rule is not always to be strictly observed. See Gun-Powder. is one always to be fitfelly beforeed. See Gross Pours. To clease the Morter, 6 as in Axis may make, any given Angle with the Heriton; they apply the Artillez-Level, of Gousett-Questions; their subsections of the Control of the Con

See RANCE.

The Manager of the Company of the Compa

ing board to any Degree of Elevanon, the whole Work of the Martar-Piece would become very exity, and exact. But fines Mortars are not thus Similar, 'iis required, that the Range of the Piece as fome known Degree of Eleva-tion be accurately known and by mealuring; and from bence all the other Ranges may be determined. Thus, to find the Range of the Piece at any the Televa-tion required; is as, as the Sine of double the Angle under

which the Experiment was made, is to the Sine of double the Angle propoted, fo is the Range known to the Range

Suppose, for instance, 'tis found that the Range of a Picce elevated to 30 Degrees is 2000 Yards 3 to find the Range of the fame Piece with the fame Charge when elevated to of the lame Free with the same charge with the reach 45 Degrees: Take the Sine of 60°, the double of 30°, and make it the first Term of the Rale of Three; the second Term must be the Sine of 90°, the double of 45°; and the third the given Range 2000: The fourth Term will the tunto the given Kange 2000: The tourth Term will be 2310, the Range of the Piece at 47°. If the Elevation be greater than 45°, inflead of deabling it, take the Sine of double its Complement to 50°. As Inpole the Elevation of a Piece be 50°, take the Sine of 80°, the double of 40°

ot 40°.

Again, if a determinate Diffance to which a Shot is to be cast, be given, and the Angle of Elevation to produce that Effect be required; the Range known must be the first Term in the Rule of Three, which largofe 2000 Yards a The Range proposed, which we suppose 1500 Yards, the fectoud Term; and the Sine of 60 double of the Elevation. fecond Term; and the Sine of 60 double of the Eleva-tion for the Range of 2000 Yards, the third Term. The fourth Term will be found the Sine of 45°, 54, whole hare; to produce the defined Est. 42. And if 14°, 55° be taken from 50°, you will have 68°, 45° for the other Ele-vation of the Piece, with which the fame Esticet will like-ted the state of the Piece, with which the fame Esticet will like-

wife be produced.

For the greater Eafe, and to avoid the trouble of finding Sines of double the Angles of propoled Elevations, Galileo and Tarricelli give us the following Table, wherein the Sines

of the Angles fought are had by inspection.

| A TABLE of Sines for the Ranges of Montans.      |                  |      |     |     |     |       |  |  |  |  |  |
|--|------------------|------|-----|-----|-----|-------|--|--|--|--|--|
| Degrees Degrees Ranges   Dogrees Degrees Ranges. |                  |      |     |     |     |       |  |  |  |  |  |
| 90   | 0                | 0    |     | 0   | 0   | 0     |  |  |  |  |  |
| 80   | 1                | 349  |     | 66  | 2.4 | 7431  |  |  |  |  |  |
| 88   | 2                | 698  |     | 65  | 25  | 7660  |  |  |  |  |  |
| 87   | 3                | 1045 |     | 64  | 26  | 7880  |  |  |  |  |  |
| 86   | 3<br>4<br>5<br>6 | 1392 | 1   | 63  | 27  | 8090  |  |  |  |  |  |
| 85   | - 5              | 1756 |     | 62  | 28  | 8190  |  |  |  |  |  |
| 84   | 6                | 2709 | 1   | 61  | 19  | 8480  |  |  |  |  |  |
| 84   | 7 8              | 2419 | 1   | 60  | 30  | 8660  |  |  |  |  |  |
| 82   | 8                | 2556 | ı   | 59  | 31  | 8829  |  |  |  |  |  |
| 81   | 9                | 3090 | 1   | 59  | 32  | 8988  |  |  |  |  |  |
| 80   | 10               | 3420 | 1   | 57  | 33  | 9155  |  |  |  |  |  |
| 79   | F1               | 3746 | ١.  | 56  | 34  | 9272  |  |  |  |  |  |
| 78   | 12               | 4067 | ı   | 55  | 35  | 9397  |  |  |  |  |  |
| 77   | 13               | 4384 | 1   | 54  | 36  | 9511  |  |  |  |  |  |
| 76   | 14               | 4695 |     | 53  | 37  | 9613  |  |  |  |  |  |
| 75   | 15               | 5000 | 1   | 52  | 38  | 9703  |  |  |  |  |  |
| 74   | 16               | 5299 | i . | 5 X | 39  | 9781  |  |  |  |  |  |
| 73   | 17               | 5592 | 1   | 50  | 40  | 9841  |  |  |  |  |  |
| 7.2  | 18               | 5870 | 1   | 49  | 41  | 9903  |  |  |  |  |  |
| 71   | 19               | 6157 | 1   | 48  | 42  | 9945  |  |  |  |  |  |
| 70   | 20               | 64:8 | ĺ   | 47  | 43  | 9976  |  |  |  |  |  |
| 69   | 2.1              | 6691 | 1   | 46  | 44  | 9994  |  |  |  |  |  |
| 68   | 22               | 6947 |     | 45  | 45  | IU000 |  |  |  |  |  |
| 67   | 23               | 7193 | 1   | 1   |     |       |  |  |  |  |  |

The Use of this Table is obvious. Suppose, for Instance, it be known by Experiment that a Mottar elevated 15%, charged with three Pounds of Powder, throw a Bomb to the Diliance of 350 Fathom; and it be required, with to the Dittance of 315 Fishems 3 and it be required, with the fame Clarity, so throw a Bomb too Fathom further; the fame Clarity, so throw a Bomb too Fathom further; and you will find it 5000. Then as 350 is to 450, fair 5000 to a fourth Number, which is 448. Find this Nember, or that neared it, in the Table, and against it Nember, or that neared it, in the Table, and against it For the Weight, Dimentions, &c of the Bombs, &c. to be cast that of Marara, and the Lines of the Projection jees lowes, Projection, &c.

MORTGAGE, in our Law, is the fame with Hypothe-

or in the Civil Law, suc. an Obligation, whereby Land or Tenement of the Debtor, are pawned or bound over to the Creditor for Money or other Effects borrow'd; pethe creation for money or other Litters borrow'd; per-rempority to be the Creditor's for ever, if the Money be not paid at the Day agreed on. The Creditor holding fach Land, on fuch Agreement, is in the mean time call'd Tenant in Mortgage.

Glamile defines Mortgage, Mortsum Vadam, to be that evins Giarraise dectines Aproximents Jacobse, to the temps from the control from Others hold it call'd Morryage, because if the Money be not paid at the Day, the Land moritor, dies, to the Debtor, and is forfeited to the Creditor.

He who lays this Pawn or Gage, is call'd the Miritages, d he that takes it the Mortgage This, if it contain exceffive Ufury, is prohibited by a Statute 37 Henry VIII.

The Irench iometimes use the Word in the same sense in their Language, where it stands in Contradillinction to a simple

their Language, where it makes in Contract, which does not carry, with it the mean Profits, and which they call V of gage, Live pledge.

As a Mongage is an Engagement for the Security of the As a moregage is an Langagement for the Security of the Creditor, all means have been taken to affure him of the Effect; that of the Pawn or Picege, feems to have been the mod nations, being in reality the fame thing, all the difference conflict in this, that in a Margage the Pawn was my into the hands of the Credition with the property of the Pawn was now into the hands of the Credition with the property of the Pawn was put into the hands of the Creditor; whereas in a fimple Engagement, the Thing remained in the hands of the Debtor. But it was afterwards found much more commodious to engage an Inheritance by a fimple Convention, than by an actual Delivery.

Accordingly, this was practifed by the Greek, and from them orrow'd by the Romans ; who, the better to prevent Deceits;

berow I by the Kenningson or you over tree, must men them forced precing location for the precing location of the precing location of the precing location of the precing location of the properties. In the location of the properties of the properties of the location of the properties of the location of Debtor, the Crediter was put in possession of his Essects. And the Judgers' Morrage, when the Creditor was put in possession, in consequence of a Decree or Sentence. The Civil Lawyers dillinguish twenty-fix different Kinds of Ta-

MORTIFICATION, in Medicine, &c. a Difense, where in, the natural Juices of any part quite lofe their proper Motions; and by that means fall into a fermentative one, and corrupt and deftroy the Texture of the Part.

and comput and onlively the leasure of the Park.
There, are was Species, or rather Digress of Monthers
in its fift, or beginning Strice. The others, Sphacelay,
which is a perfect, or finith, Monthiganous. See GasRENER and STRACALUS.
MORTMANIA, a Term in Law, Signifying an Alication of Lands and Tentment - cary Guild, Corporation,
or Parenting, and ther Successors at Eithops, Princip.

cars, &c. Sec ALIENATION.

Such Alienatiun may not be done without the King's Licence, and that of the Lord of the Mannur; or of the King atone, if it be immediately holden of him.

alone, it it be immediately holden in mm.

The Predictions and Governours of the Hofpitals may, without Licence in Mortmann, purchafe Land, &fc. not exceeding the yearly Value of 3000 k. Stat. 14. Car. 2.

The Word literally denotes Dead-Hend, being a Com-

The Word literally decodes Detailstank, being a Company of North cale, and Man, Hand.

Thus immune & Pelo, Feedel, fusy, Manus metrus hearing a more of the property of the pr fines Mort-marn to be the Possession of those who are were, immortal, because they never ceased to have Heirs ; were, immorata, becaule they never ceated to have Heiris; to that the Elate never reverts to its first Lond. Mains, Hand, being uted for Possession; and Mort, Deed, by An-iphrassis, for immoratal. MORTOISE, or Morriss, in Carpentry, U.e. a kind MORTOISE, or Morriss, in Carpentry, U.e. a kind of Juin, whereon is Hole or lucision, of a certain Depth, is made in the Thickness of a Piece of Wood, which is to re-ceive auditor Face, call did a Piece.

The Word is originally French. Eorel derives it from to bi

MORTUARY, is a Gift left by a Man at his Death to MORTUARY, is a Gift left by a Man at his Denth to his Particulation, for a Necompress of his Perforant his Particulation, for a Necompress of his Perforant his Particulation of the Necompress of the Necompress

In this funde Mojoir Work includes Marquerry, or Inhibit 20th, Fascering, Ed. But in the retirmid state of the Work, a nearly rate in Worker of Sone, Menth and Glinish book of Worker of Sone, Menth and Glinish book of Worker of Sone, Sone Margaery, on the contrary, confifts of Stones of different Colours 3 and by these the several Colours, Shades, De-

Colours 3 and by these the feveral Colours, Shadea, Degadarions, 68° an expersived.

The Cruites are divided as to the Origin and Reason of the Name Moders, Some derive it from Mojacams, a Corresponding to the Colours of the Colour

Mofaic feems to have taken its Origin from Paring: The fine Effect and Ufe of Pavements, composed of Pieces The fine Erich and Ule of Paverneaus, composed at Process
of Maxbel of different Colours fo well joint longother, as
of Maxbel of different Colours for well joint longother,
and a very beautiful and folial holy, which controlled the controlled proposed as years and the fact that the controlled proposed to the control concerving one good effect which this kind of Work had in Pavements, and finding that it reflicted Water, they pro-ceeded to line Walls therewith, and to make various Fi-guets for the Ornament of their Temples and public Buildings.

But Nature not producing Variety of Colours enough for 'em in Marbles, to paint all kinds of Objects, they be-thought of counterfeiting 'em with Glaß and Metal Co-lours's which fucceeded fo well with 'em, that having given all manner of Teints to an infinite number of little Pieces of these two Matters, to counterfeit Stones of various Colours, in order to get more Colours 3 the Workman almost to dispute with Paintings. This way of reprefenting Objects having this advantage, that it refits the Injuries of the Air as well as Marble itfelfs and even grows more beautiful with Time, which effaces all other kind of Paint-

Eur the Moderns are gone further, and fetting afide Glafs and Metals, as too mean Materials, bave introduced, along with the finefl Marbles, the richeft of precious Suores, as Lapis, Agar, Cornelians, Energido, Turquoies, &Co. Of these three Kinds of Mylaic-Work, that of colourd

Of thefe three Kinds of Afgive-Work, that or coloured Gilts and Menta is now littice uset, but on a supersing Latter and Davidsborn was now with the control of the coloured for the coloured for

as well as of the Patience sou numerous or the vacan-amploy'd therein.

We fhall however enter into forme Detail of the Manner of working in those three Kinds of Mofaie; to which we shall add a fourth much newer, yet equally ingenious with any of the reft, made with a kind of Gypfaw or Tule, found in Stone-Quarries about Parts.

## MOSAIC Work of Glafs.

This Kind of Molars they begin with little Pieces of Glass, This Kind of Majare they begin with little Increa of Gists, which they provide of as many different Colours as politible. To this end, the Glaffmen's Fornaces being difpofed, and their Pots or Crucibles full of the Matter of which Glafs is made, or rather of Glafs already made, they part what Colour or Dye they think fit in each Crucible, always beginning with the weakest, and augmenting the Strength of the Colours from Crucible to Crucible, till they come to the the Colour from Cerelitie to Cerelite, till they come to the decept 1Ds, as in mixing of Colours on a Palerre to pain decept 1Ds, as in mixing of Colours on a Palerre to pain the Colours of the Colours

they dispose orderly in Cases; as in Painting in Fresco; 'tis usual to range all the different Teints in Shells, and ac-cording to their Colour.

If 'tas defir'd to have Gold, eithet in the Ground of the If 'is delir'd to nave Gold, either in the Caround of the Palaiting, or in the Ornament, or the Drageries, they take fome of the Pieces of Gitts, form'd and talk in the man-ner just mention'd. Their they motite not one file with Gum-Water, and siterwards lay 'em over with Gold-Leaf. Than the mention of the Caron of the Pieces of the Caron o They then put this Piece, or feweral Pieces at a time; on a Fire-shovel, which they place in the mouth of the Furnace, after having first cover'd them with another hollow Piece of Glafs. Here they continue till fuch time as they be-come red-hot; after which the Shevel is drawn out, all at once, and the Gold becomes so firmly artach'd to the Glass, Now, to apply their feveral Pieces, and out of 'em to

form a l'icture, they first make a Cartoon, or Defign; this they transfer, on the Ground or Plaitter, by calquing, as in

Painting in Freico. See Farsen.

As this Plaifter is to be laid thick on the Wall, it will continue fresh and fost a considerable time, so that there may be enough prepar'd at once to ferve three or four days. It is compost of Lime made of hard Stone, with Breek-It is composed of Lime made of hard Stone, with Breek-dult very fine, Gum-Tragacanth, and Whites of Eggs; when it is thus prepar'd, and laid on the Wall, and made the Defign of what is to be repreferred, with Plyers they take out the little Pieces of Gulf, ranging 'em one after another, and dill keeping firstly to the light Shadow, dif-ferent Plains and Calving the Company of prefing or flatting 'em down with a Ruler, which ferves both to fink 'em within the Ground, and to render the Surface even.

Surface even.
Thus, in a long time, and with an infinite deal of trouble, they finish the Work, which is still the more beautisl, as the Pieces of Clifs are more uniform, and ranged ar
more equal heights. Some of these are executed with so
much Justices, that they appear as simont as a Table of
Marble, and as simish d and unafterly as a Painting in Frese
meth. The advancement of the property o co; with this advantage, that they have a fine Luftre, and

Il hold almost for ever.

The finest Works of this kind, that have descended to The finelf Works of this kind, that have defeended to us, and those between the Moderns have retrieved the Art, almost lost, are those of the Church of St. dyner, formerly the Temple of Bacebase at Runei; at PIA, Elevance, and other Cirics of Iraly. The most editected among the Works of the Moderns, are those of Jopes Piers, and the Chevaliet Lanframe, in the Church of St. Peter at Rune. There are very good ones likewise at Fenice.

Mosare Work of Marble, and precious Stones.

missate work of magnetic arms pressure courts. These two kinds of Magnets bear to near a relation to each other, as to the Manner of Working, that to avoid Repetition, we fhall gave 'em both under one; observing, by the way, wherem the one differs from the other, either in

the way, wherein the one citiers from the other, either in the fawing or the ranging of the Stones.

Majare of Mashe is used in large Works, as in Pavements of Churches, Bafiler, and Palacers; and in the Ineruflation and Vancering of the Walls of the fame Edifices. As to and vancering of the wants of the rame bounds. It that of Stones, effectively precious Somes, 'its only used in fmall Works, as before observed.

The Ground of Mosaic Works wholly Marble, is ordi-

finall Works, as before otherwit.

The Ground of Mojer Works wholly Murble, in ordination of the Control of the

For Ms/aic Work of precious Source; there are required o-ther and more delicate Instruments than those used in Mer-ble; as Wheels, Drills, Tin-Plates, Ec. used by Lapidavies, and Engravers on Stone.

As once but the riched Marbles and Stone court his Work, so make 'en go the further, they are fam into the Work, to make 'en go the further, they are fam into the form of the state of the As none but the richeft Marbles and Stones enter this take a Treel-full of each, and difpose 'em in a Trough, Piece. See MARQUETRY.

When there are Pieces enough failen'd to form an entire When there are Pieces cough fathend to form an entire Flower, or finne chee Part of the Deligo, they are applyd. The Ground this fuppore this Meleis, the situality of Tree Once. The Marker of receival the Stocker as Proposed to the Control of the Stocker and the Control of th dary-Inflraments

## Manner of making Mosasc Work of Gypfum.

The Gyrfam is a kind of coarfe Tale, or a finning transparent Stone, found in the Quarties of Munimaries near Paris, among the Stones thence day to make the Plaisite of Fami; 't and different from the Plaisite, but remine the Name the Romany gave the Plaisite; see, Gyrfam. Of this Stone, calcined in a Kille, and beaten in a Mortan, and paris d then a Sieve, they make a kind of artificial Marthela, imitating precious Stones, and of these compose a kind of Mojare Work, which comes little short either of the Durableness or Vivacity of the natural Stones; and which has this advantage, that it admits of continu'd Pieces, or Paintings

this advantage, that it admits of continu (Piecca, or Painings of entire Compariments, without any Josing withble.
Some make the Ground of Platifier of Paris, others of Roce Stone: If the form, the figure als a worker Frame, for Control of the form, the figure als a worker Frame, and the fine the first part of the fi

In this Msfate, the Ground is the most important Part.

Now to prepare the sifted Gypsum to be apply'd on this
Ground, they dissolve and boil it in the best English Glue, Ground, they distolve and boal it in the belt English Glue, and after mixing with it the Colour it is to bear, the whole is work'd up together into the ordinary Confishence of Plaifter; and then taken and freead on the Ground, five or fix Inches thick. It must be observed, that if the Work be fach, as that Mouldings are required, they are form'd with Gouges and other Instruments.

Gonges and other infitrements.
This on this Platifer, thus colour'd like Marble or pre-cious Stone, and which is to ferve as a Ground to a Work-either of Lapis, Agat, Alabafer, or the like, that the De-fign to be repreferred is drawn; having been first poanced or calqued. To hollow or imprefs the Defign, they afe-the fame latituments with the Scalpters; the Ground or caquect. In soulow or imprets the Defign, they affer the fines bullmanness with the Saulpers; the Ground the fines bullmanness with the Saulpers; the Ground is the first of the Gyrind with the forest Calonar, in their feet. When the Defign with the forest Calonar, in their feet. When the Defign with the forest Calonar, in their feet of the first of the Gyrind with the forest Calonar, in their feet of the first of the Gyrind with the forest Calonar, in their feet of the first of the first of the Gyrind with Erick or fick force; the growth of the first in the Life. The Work being findiffed, in fowerf with for flower, first of the first of the first in the first of the fir

If 'ris only requir'd to make a variegated Table, or other Work of feveral Colours; without Mofair Figures, the Proces is somewhat different. To this end, they only prepare separately, in large Sowls, as many different Colours as Nature shows in the Marble to be initiated, and after the most of the Marble to be initiated, and after the most of the Marble to be initiated. incorporating 'em with the Gypfum and Glue-Water, they

take a treet-tail of each, and dispose cem as a rough, without any offers then without mingling 'em, and only by cutting or croffing the Gypfum of each Truel once or twice with each of the reft, they give 'em that beautiful Confafon, which makes the Value of naurel Marbles. Of their they then make their Tables, or lay 'em in a Mold,

Coefficies, which makes the value of the property of the check person which the Tableson Iay 'emin a Mod, and the check person Iay 'emin a Mod, and the check person is an advantage of their Back. As to Margarry or Indulative, the Amirican were well as quanted with it, and dot if for the adopting of their Back person is an advantage of the property, and the rickett Woods. But Frint Table of Feestle 1998, and the property of the Design All that is necessary below the Design All that is necessary below the Design All that is necessary to the property with the Design All that is necessary to the property with the Design All that is necessary to the Design All the property of the Design All that is necessary to the Design All the property of the Design All the property of the Design All the state of Direction necessary to shadow it more or less. This done, they lay each Piece in its place, on a Ground of another Wood, as dry Oak, and there faften them with strong Glue.

wood, as any Case, and nacretation them with irrong Gine.
There are two other Branches of Mojale Work; i the one
call'd Domashecring, or Domashe Work, confiding in an Affemblage of Gold or Silver Threads, of which are fometimes form'd flat Works, and fometimes Baffo-Relievos.

See Damashern Ing.

The other is call'd Shell Work, confifting of Shells, artificial Congelations, Petrifications, See niced in Grottos. See

GIRLL-Work,
MOSQUE, among the Mobowetans, is a Temple fet
apart for the Exercises of Religion. See Transfer.

Administrated Professor and Confessor and Conf

with feveral Cocks.

The Tarke have converted most of the Christian Churches into Mosquer. At the top is always placed a Cres-

cont.

The Word comes from the Terkijo Mojebit, which properly fignifies a Temple built of Wood, fuch as the Terki
first used. Hence the Spannard derive their Mojebet, and
the Indians Mojebeta, and the French and English Mojec, Bard,
Johnson Mojebeta, and the French airest Colf. Described. the nations Mydeox, and the French and English Majore. But derives the Word from the Great Juries Calf. December of the frequent mention of a Cow in the Meann. Others, the Advance of the Majore California, device the Com-lance of the Mydeox, a Flace of Wordson, derive the MOSSE, Ufree in Natural Hittery, a little Plant of the Paralite kind, growing on the Brate, Ge. of feveral Tec-as Oak, Popiar, Afth, Cofar (Se. See Pana RITE). The Company of the Mydeox of the Company of the Com-tain of the Mydeox of the Company of the Co

it is of fome medicinal Ufe, being Affringent, and proper to flop Hemorrhagies and Dyffenteries.

The Antients took the May's of Trees to be the Effect of

a Diforder or Diformpolare of the Texture of the Bark; or at most a kind of little Filaments arising from the Bark. But the Moderns find by several Observations, that Mosses But the Moderns find by Several Observations, that Moders are all read, didined Plants, who Secule being extremely femalt, is inclosed in little Capitale, which bartling or femalt is inclosed in little Capitale, which bartling or health of the Capitale, which will be the compared to the Capitale of the Read of the Capitale of the Read of the Capitale of the Read of the Capitale of the Read Modellined does on Brend, Gr. See MODILINIASS.

The different kinds of Major are very numerous § Monf. Description of the Capitale of the Capitale Observation of Page 18 for the Capitale Observation of Page 18 for

bourhood of Paris

bouthood of Print.

There is also kind of geenith Myl growing on human There is also kind of geenith Myl growing on human There is also kind to be a support of the print of the control o

hatch in.

The Gardeners, &c. reckon My/samong the Difeafes, or

The Carteforer, Or. recken may among the survey of infirmities of Plants. See Directors.

Mr. Mariner, Sr. directs it to be rubbd, and feraped off with form groper Infirmment that will not hart the Bark of the Tree, or with a piece of Hair-Cloth after a foaking Rain; the' the facult Care is by removing the Caufe; which is effectly by detaining the Land well of the Caufe; which is effectly the seed of the Caufe of the

all superfluors Moithure. Or, it may be prevented, in the first planting of Trees, by not fetting them too deep. MOTE, MOTA, or the Saxon, Genere; a Term frequently occurring in our antient Cuttoms, literally denoting

Meeting, Court, or Plea.

Of Morus, or Gosores, confider'd in the Scafe of Affem

blies, or Courts, there were divers kinds, as Withenagemete, Palkegomes, Schregment, Hundedgomet, Bragment, Warkegomet, Palkegomet, Schregment, Hundedgomet, Bragment, Warkegomet, Halietomet, Staalingemot, &c. See each under its proper Article, WITHIN MORMOTE, FULKED MOTE, Mota, was alloufed for a Forteria, or Callle or the Seite or Flace where fuch Caille flood: As Mosa de Windfor, &c.

Mora was also a standing Water to keep Fish; or a large Ditch incompassing a Castle, or Dwelling-House. See

MOTHER, Mater, a Female who flands in the Relation of Parent to another. See Parent, &c.

Thus Ecc is call'd our common Matter. Cybele among

the Antients was the Mather of the Gods. The Queen Mother is the fame with what we otherwise

call Cacen Demoger, See Downger.
We meet with Empresses on Medals and Inscriptions

with the Titles of Mother of the Camp ; Mother of the Senate, Mother of the Country: Mater Senates, Moter Patric, &c. Sec FATHER

rected others. See CHURCH IN BEREFICIARY MATERS WE fay it is not lawful for a Man to enjoy at the fame time both the Marker and the Daugh-ter: Meaning that the Canon Law does not allow an Abby, and the Benefices depending thereon, to be held by the Canon Exercises.

by the fame Perfor

MOTHER of Pearl, fee PEARL. Morrins of Penil, fee Paan.

Morrins of Penil, fee Paan.

MOTION, primarily fee silled, or Local Morrins, its

MOTION, primarily fee silled, or Local Morrins, its

of a Body sheethy it confered feeded free; or that Stee

of a Body sheethy it confered feeded free; or that Stee

of a Body sheethy it confered feeded free; or that Stee

of Steech, because of the Steephen of Steephen

OSpace. See Paan.

In this feel, the Doctline and Laws of Motion make the

Subject of Addoction, or Ostatic, See Bacaniac, Gen
The united Philosophers confident Motion is a more

general and examine Seal. The Steephen is by a Brigger

out of one State into another; and thus made fix Kine

viz. Creation, Generation, Corruption, Asymentation, Diminstion, and Lation, or Local Motion. See CREATION, GE-

NERATION, CL.
Some of the later Schoolmen reduce these fix Kinds
of Mexico to fine: The first is general, including any
Passage from one State to another; under which sense of Patiage from one State to another; under which lenic of Motors come Creature, Prodition, and Anatairs. The fe-cood is a Patiage of femething already exiting from one State to another; and thus Generation is a Maion. The third, a facecfilive Patiage of fomething already exiting

third, a faccettive ratage or iomerania arteary beaming from one Term to another; and thus Alteration and Active tion are Species of Metion. The last, is Lasion, or Local Metion; and thus Walking is Motion.

But the laterit Philosophers unanimously deep say other Metions and Active the Active Medical Conference of the Active Med

But the lateit Philolophers unanimously deny say oran-mostor befide Local Meisins y and reduce all the Species above-mentioned to this one: So that we have here only to do with Local Motion; whereof the reft are only fo many different Determinations, or Effects. See Accas-TION, ALTERATION, GENERATION, &A.
Physical Writers, both Anticot and Modern, have over

een perplexed about the Nature and Definition of Local

The Peripateies define it by Alin Entis in patentia, prest in patentia, Arith. 3. Phyl. c. 2. But the Notion is too Abilrack and Metaphylical for our Days; and is of no use in explaining the Properties of Mation.

The Epicarcous call it the Migration of a Body, or a The Eptwetens call it the Migration of a Body, or a part of a Body, from one Flace to another. On which Definition, the later Eptwetant refine, and call it the Mi-gration or Falling of a Body from Space to Space: Thus fabilitizing the word space for that of Flace. The Carefolar define Mission Fallinge, or Removal of one Part of Matter out of the Neighbourhood of that Part immediately contiguous thereto, into the Neigh-

ourhood of others.

Which Definition agrees, in effect, with that of the Epi-ewram; all the Difference between 'em confifting in this, that what the one calls Body and Place; the other calls

Matter, and continuous Parts.

Borelli, and other late Writers after him, define Mition more accurately and fully, the fuccessive Passage of a

Body from one Place to another, in a determinate time, by being fuccessively contiguous to all the Parts of the intermediate Space.

Morson, then, they agree to be the translation of a Body from Place to Place: But they differ infinitely when they come to explain wherein this Translation confile. And hence their Divisions of Motion become exceedingly pre-

Artificite, and the Peripareties, divide all Mation into Na taral and Vislent

Natural MOTION is that which has its Principle, or moving Force, within the moving Body. Such is that of a Stone falling towards the Centre of the Berth.

Violent Morton is that whose Principle is without, and against which the moving Body makes a Refistance: Such is that of a Stone thrown upwards

The Moderns generally divide Motion into Absolute and Relat

Abjelite Morion is the Change of Place, in any moving Body; whose Celerity, therefore, will be measured by the Quantity of the absolute Space which the moveable Hody runs thro'. Relative Morion is a Mutation of the Relative, or vul-

gar Place of the moving Body; and has its Celerity ac-counted by the Quantity of relative Space run thro.

Others divide Mason into Proper, and Improper or Fo-

Proper MOTION is a removal out of one proper Place into another, which hereby becomes proper, as being feffed by this Budy alone; in exclusion of all or Such is the Mestor of a Wheel in a Clock.

Improper, or Extraneous, or Fereign, or Common Morson, is the Paffage of a Body out of one common Place into another common Place: Such is that of a Clock when

moved in a Ship, &c.

The Reason of all this Diversity feems to arise from

the not attending to the different Meanings of the Words; but comprising all in one Definition and Diffinction; which

but comprising all lin one Definition and Difficients ; which have fined artists have difficiently fined forest perts.

Some, c. g. in their Definitions of Maissus, confider the source of the perts of the source of the source

But these various Meanings once fettled, the Dispute clears up 3 for as every thing that moves may be consider'd in these three several Manners 3 there hence arise three in thele intere leveral Manuers y here hence arile three feveral kinds of Moierrs; whereof their which regards the feveral kinds of Moierrs; whereof the whole regards the result of the circumsembient Bodies, may be call disfilled the many people affects. That which regards circumstantial Bodies wallly center, which may themselves possibly when moved, we call relatency common Moiers. The field, mere are more as more constrained to the Saffaces of the next contiguous Bodies, in a ment as it may user all both shelf-laine and common Moiers are supported by the saffaces of the next contiguous Bodies, in a ment as it may user all both shelf-laine and common Moiers are supported by the saffaces of th

mech at may war all both shichate and common ha-ins, we call related popular Money when he has per-pendicular popular period of the period of the per-pendicular period of the being always generated and changed by Forces impedial heat period of the period of the period of the period being always generated and changed by Forces impedial that no which the real Forces all follows to put others. I Money by impalfe, are coving; and no which shock Money of the period of the period of the period of the period determine accurately as not can be distinguish, when we follow Bodies are impelled on each other, in which of the two, older which appears to more more flowly, and perhaps a.g. that which appears to move the more invity, or the other which appears to move more flowly, and perhaps even to be at reft, the real Motion, and, confequently, the real Force whence the Impulfe arole, is placed to being able to determine whether the Centre of Gravity, or the control of the whole System (which is but a Point in infinite Space) is itself at reft or in Mesion.

a. Relatively common Morion is a Change of the St-tuation of a Body with respect to other remote circumteation of a Body with respect to the teach of when ambient Bodies; and this is the Marion we speak of, when we say that Men, Ciries, and the Earth itself moves round the Sun. This is also the Marion we mean, when we citimate the Quantity of Matien, and the Force any Body has to impel another: For inflance, if a wooden Sphere, has to impel another: For initiance, if a woosten Sphere, fill'd with Lead to make it the heavier, be call from the Hand we use to estimate the Quantity of Matter, and the Force which the Sphere has the impel another, from the Celerity of the Sphere and the Weight in the included Lead; and that truly with regard to the Force tiefle, and Lead; and that truly with regard to the Force itlelf, and the Effect thereof as it falls under our Sonfes; But who-ther the real Power or Moriov be in the Sphere which ap-pears to fittle, or in the Earth which appears to the flruck, that, as has been observed above, we cannot de-

Laftly, Relatively proper Morron is the facesfive Appli-cation of a Body to the different parts of the contiguous Bodies. And this is the Morron usually understood in Phyeation of a Doay to me conservat pass or two conserva-bedies. And thissis the Mosam foully undertood in Phy-fical Diffusts about the Natures of particular things; as when we fay, that Heat, Sound, Fluidity, Eg., condit in Notices. This most be added however, that by face-fifties Application of a Body, its whole Serface, taken together, mut be conceived face-efficiently apply'd to different parts of contiguous Bodies.

contiguous Bodics.

From their leveral Definitions of Motion arife as many Definitions of Plate: For when we floak of Mottor (we Reit) truly and abfoliotely proper, their Place is that part of infinite and immoreable Space which the Body fills. When of Mottor relatively consument, then Place is a part of any Space or moreable Dimension. When of Mottor Infinite Plate is the Plate of Mottor Plate in the Plate in the Plate is the Plate in the Pla any Space or movemble. Dimension. When of rosmov rem-ntely proper, (which is really very improper) Place is then the Sortace of the next adjacent Bodies, or fenfible

steep story, (white a feeling very impeople) Page is then Species. See Place.

The Definition of Red is pretty well agreed on j bar pointies, it is a present to the steep of the properties, a bringly diprode. Modelmon, and ethers, mentions to the former field of the Quellion. Gener, and others, properties, it is a steep of the properties, and others, mention to the properties, and others, and others, and others, and others, and other and others, and other and ot

But this is a manifelt Petitis principii; for the Force or Constan whereby Bodies, whether moving or quiefcent, perfevere in those states, is the more Inactivity of Matter; and therefore were it peffible for God not to will any thing, a Body already in Morron, would move for ever; as a Body at Refi, would reft for ever. To this Inactivity

as kody at keft, would reft for ever. To this Intallivity of Maxor, it is owing that all Boldes reft according to their Quantities of Maxor, and that any kedy thinking properties with the Boddy, and Quantity of Maxor bas, to the Doddy or Quantity of Maxor bas, Mone has ever been elithened 8 species I Quantity of Maxor bas, which have been been cliented 8 species I Quantity of Maxor bas, which have been been depended by the Doddy of the Doddy or Dodd account: As it a Bady of two cobic Feet run over a Line of 100 Feet, the Quantity of its Masses is greater than that of a Bady of one cubic Foot deferibing the fame Line: For whatever Masses one Whole has, that is had in one Half of the other; and the Aksisso of the Whole is the Sum of the

Money of all its Parts.

pends the whole Doctrine of Mechanics.

Hence that great Problem of Arthbooked, An or of g all > 16 zorkow; with any given Power, how small soever, to raife any Weight given, how great foever; for by increafing the Distance C B infinitely, the Power of the Body A will be increased infinitely. See Machanics and Equi-

As it is allow'd on all hands, that Motion is no offential Attribute of Matter; hence arifes a difpute about its Predull on, and to what Caufe it owes its Communication

dutien, and to what Caute it owes me Cantimation.

The Cartificate maintain, that the Greater at the Beginning impressed a certain Quantity of Money on Bodies; and that under foch Laws, as that no part of it flouid be loft, but the fame Persion of Money be confinantly preferred in Matter. And hence conclude, that if any moving Radio Birks on any other Bodies, the former lefter working. Body firike on any other Body, the former lofes no more of its Motion than it communicates to the latter. See CAR-

This Principle Sir IJ. Neuron overtures in the following ords: --- 'From the various Computations of two Monons, it is manifest there is not always the fame Quan-tity of Musss in the World; for if two Balls join'd toabout their common Centre of Gravity, and at the fame time that Centre be carried uniformly in a right Line drawn in the Plane of their circular Meson; the Sum of the Moin the Plane or their circular Mittiny; the Sum of the American of the Young Balls, as often as they are in a right Line drawn from their common Center of Gravity, will be greater than the Sum of their Mittans when they are in a preparate than the Sum of their Mittans when they are in a preparate than the Sum of their Mittans when they are in a first support of the Common of their Plane, with the Westherl of the cold in the Common of their Plane, which the Westherl of the cold in the Common of their Plane, which the Westherl of the cold in the Common of their Plane, which the Westherl of the cold in the Common of their Plane, which the Westherl of the cold in the Common of the Co their Fares, with the Weaknets of the estatic rowers note Bedies, Nature feems to meline mentrather to the De-firedfoot afternas, and in reality Metion becomes continually lefs and left. For Bodies which are either for perfectly hard, or for fort, as o have More becomes continuity left and tele. The model which have their to perfeitly hard, or field, as to have an elimit bown, and not relocated from each other was the perfeitly and the relocated from the continuity of the perfeitly and the perfectly and the perfeitly and the perfectly and perfectly and the perfectly and perfectly and perfectly and perfectly and perfectly and the perfectly and the perfectly and perfectly and the perfectly

Figure 3) \*For we find but Intice Mosies in the World, except what plainty flows, either from the active Frin-ciples, or from the Command of the Willer.

\*Sec Gn.—
Ar to the Commands of Julier Sec Gn.—
Ar to the Commands very evidently from one of the grand Law of Nature, vin. That ell Bokies preferver in their preferes State, whether of Reti to Monte, multi diluthred by fone forcine Fourier of Reti to Monte, multi diluthred by fone forcine Fourier. Mainte Interfore once Upona, would be continued in injuint tone, were it to mere with no interruption from caternal Confacts as the Power of Gravity, the Refishase of the Modium, ele. So that offsinished Principle, Whatever is Modium, ele. So that offsinished Principle, Whatever is North as the Community of the Nature 1. Nor has the Community of the Nature 1. Nor has the Community of the Nature 1. North Asset the

how much of its Messe is communicated by the first to the last, been less disputed. See the Laws thereof under the Word Pracussion.

MOTION, we have observed, is the Subject of Mechanics and Mechanics is the Bass of all Natural Philosophy; which is hence denominated Mechanical. See Macha-

In effect, all the Phenomena of Nature; all the Chan-ges that happen in the System of Bodies, are owing to Motion; and are directed according to the Laws thereof.

Motion 3 and are directed according to the Laws thereof. Hence, the modern Philodophers have applyd them-felves particularly to cultivate the Doctrine of Motions, to in-intelligate the Properties, Laws, & the thereof, by Obfice-vation, Experiment, and the Ufe of Geometry. And to this we owe the great Advantages of the modern Philodo-phy above that of the Antenns; who were extremely dif-

regardful of Mesien; notwithstanding that they seem'd fo sensible of its Importance, that they defined Namer by the first Principle of Mesion and Rest of the Substance wherein it is. Sec NATURE.

in it is. See Nature.

Among all the administration, there is nothing extent of MaAmong all the administration in administration of MaAmong all the administration in administration of MaAmong and the administration of MaAmong and the Among and th DESCENT, PENDULUM, PROJECTILE, RESISTANCE, ರ್ಜೆ.

His Difciple, Twriselli, polifil'd, and improv'd on the Difcoveries of his Mafter; and added to them divers Experiments concerning the Force of Percuffice, and the Equilibrium of Fluids. See Frum. M. Haygen improved every confiderably on the Define of the Pendulum; and both he and boreli on the Force of Percuffice. Laftly, New-

cold beams and on the observation of the delibral had been considered in the collection of the collect

or Carollmear.

And all these again may be consider'd either with regard to themselves, or with regard to the manner of their Production, and Communication, by Percuffion, Ge.

Equalle Morron, is that wherein the moving Body pro-

Equality Morzon, is that wherein the moving Body pre-ceeds with the time meany of Velocity.

Careful with the man of Equality to the Redefice of Part I have of Equality to Manter or Weight, expred 14 by M; by Morson on the Quantity of Maries or Weight, expred by M; by Morson on the Quantity of Maries or Hope and the Careful by M; by Morson on the Quantity of Maries or Hope and the Careful by M; by Morson on the Quantity of Maries or Hope and the Careful by M; by Morson on the Quantity of Maries of Ma

Laws of Uniform or Equable Morion.

There, I. The Velocities V and so fit we Bodies moving equably, are in a Ratio compounded of the direct Ratio of the Spaces S and f, and the reciprocal Ratio of the Times T and t.

Demonft. For V := S : T and v :: f : r, therefore V :: v :: S : fV: v:: S:: /T Q. E. D.

Sold. This and the following Theorems may be illustrated in Numbers; thus (reprofe that a Body A, whole Milkin say; that,  $t_1$  Pound, in the sime of  $t_2$  Seconds with the say; that,  $t_3$  Pound,  $t_4$  Pound,  $t_5$  Pound,  $t_6$  Pound, t

and v = 8: 4 = 2. Confequently by reason V = v

S:f=T:

Corol. 2. If V = 0, and also := T; then will 8 = f, and fo the Bodies moving equably, will describe equal

Spaces in equal Times.

Theor. II. The Spaces S and f, over which two Bodies pafs, are in a Ratio compos'd of the Ratio of the Times T and t, and of the Velocities V, &c.

Dem. For V:vi:Sr:fT

Therefore V / T = v S r And S:f: VT: DI

In Numbers 12:16::43:2:8::12:16

Towns If S = J, V T = vt, to that V vv :: T. that is, if two Bodies moving equably, deferibe equal Spaces their Velocities will be in a reciprocal Rano of their

In Numbers, if we suppose S = 1a, and f = 1a. Because S = VT and f = vr; if V = a and v = 3, T = 6and r = 4. So that we have V: p = r: 7

Gava. Further, if t = 1, then of t = 1 then of t = 1, then of t = 1

momenta and Mattes of two moving Bodies be equal, their Velocities are allo equal.

Them. IV. The Velocities V and v of two Bodies moving equably, are in a Ratio compounded of the direct Ratio of their Momenta 1 and i, and the reciprocal one of their Matter, Mand m. Dem, Since I : i :: V M : v ms

Iom = iV M

V:v := lm:iMQ. E. D.

In Numbers 4: a::28, 5: 10-7 = 4.1 = 4.1 = 4.2. Cor. 1. If  $V = v_1$  then  $I = iIM_3$  and therefore 1: i= $iMI: m_2$  that is, if two Bodies more capably, and with the fame Veloc  $v_3$  their Momenta will be in the fame Ratio with their Miffes.

Cir. 2. If M=m, I=i; and therefore if two Bodies, that have the fame Maffes, move equably, and with equal that have the tame Maftes, more equality, and with eyeas Velocity, their Momenta are equal.

Then, V. In an equable Maten, the Maftes of the Bedies II and mare in a Ratio compose of the direct Ratio of their Momenta, and the reciprocal Ratio of their Velo-

cities V and v. Dem. Since I:i:: V M: vm

> Therefore 1 vm == i V M M:m=lo:iV.

In Numbers 7:5::x8.:10-4::7:1:5:11:7:5.

Cor. If M=m, then will lv=iV; and therefore I:i
=V:n. That is, if two Bodies moving equalbly, bave
their Maffes equal, their Momenta will be as their Velo-

Theor. VI. In an equable Mation, the Momenta I and i are in a Ratio compounded of the direct Ratio's of the Maffect M and M, and the Spaces and f, and the reciprocal Ratio of the Times T and t.

Dom. Because V:v::Sr:fT
And I:i::VM:vw

Therefore VI: vi: : VMSr: vmfT

Lift-W M Strm T O(r, t). If I = i, O(r, t). If I = i, O(r, t), O(r, t). If I = i, O(r, t), O1: i + M S:: m/T

Spaces are as their Times.

Car.

Gr. 5. Again, if  $T = t_1$  then will  $S = t_1$ . Two moving Reduct netterior, which Malifes and Momenta are equal, deferribe equal Spaces in equal Times. describe the experience of the spaces of the

Maffes equal.

Car. 6. If befides I = i, T = r; then will MS = mf; and therefore S:f:r:m:M; that is, the Spaces pair'd over in the fame time, by two moving Bodies, whose Mover in the fame time, by two moving Bodies, whose Mover in the fame time, by two moving Bodies, whose Mover in the fame time, by two moving Bodies, whose Mover in the fame time, by two moving Bodies, whose Mover in the fame time, by two moving Bodies, whose Mover in the fame time, by two moving Bodies, whose Mover in the fame time, by two moving Bodies, whose Mover in the fame time, by two moving Bodies, whose Mover in the fame time, by two moving Bodies, whose Mover in the fame time, by two moving Bodies, whose Mover in the fame time, by the wer in the fame time, by two moving Bodies, whole Mo-ments are equal, are in a reciprocal Ratio of their Maffes. Then, VII. In an equable Meriew, the Spaces S and f are in a Ratio compounded of the direct Ratio's of the Mo-menta I and it, said the Times T and it; and the reciprocal

one of the Maffes M and m. Dem. Becaufe I:i:: M St:m/T.

# 1 m/T: : i MS: Wherefore S: f:: 1T m: : r M. Q. E. D. Q. E. D. In Numb. 12: 16:: 5.8: 5.8: 5.7:: 5.4: f: 8.2.1

Cor. t. If S=f, 1Tm=irM; and therefore 1: i::

For M: Tm, M: m::1T::t, T::t::M:Im. If two
Bodies therefore move equally over equal Spaces, t. Their
Momenta will be in a Ratio compounded of the direct Ra-Momenta will be in a Ratio compounded of the direct rea-tio of the Maffex, and the reciprocal one of the Times. a. Their Maffex will be in a Ratio compounded of the Momenta and the Times. 3. The Times will be in a Ra-tio compounded of the direct Ratio of the Maffex, and the reciprocal one of the Momenta

reciprocal need the Monreau.

Cart. If bothed  $S=I_1$  M =  $s=s_1$  then will  $\Pi$  = s=1. Cart. If the dots  $S=I_1$  M =  $s=s_1$  then will  $\Pi$  = s=1 then been distinguished by the second of the sec

In Numbers 7 : 5 : : 3, 28. 16 : 8. 19. 12 : : 3, 7. 2 : 1. Again I : i :: M Sr : m f T.

In Numbers 18 : 10 : : 7. 12. 8. : 5. 16. 3 : : 7. 4. 1 : 5. 2. 1::28:10

1::18:16. Cost.: If M = m, then will ITf = it8; and therefore I:::18:Tf, S:f::IT::it, and I::::18:If. That is, in two moving Bodies, whofe Maffes are equal; t. The Momenta are in a Raive compounded of the direct Raive of the Spaces, and the reciprocal one of the Times. a. The Spaces are in a Ratio compounded of the Momenta and the Times. 3. The Times are in a Ratio compounded of the direct Ratio of the Spaces, and the reciprocal one of the Momenta

Co. 2. If befide M = m, T = t, then will iS= 1f; and therefore I i i :: S t f. That is, the Momenta of two Bodies, whose Maftes are equal, are proportional to the Spaces pafe'd over in equal Times.

Theor. Ix. In equable Motions, the Times T and are in a Ratio compounded of the direct Ratio's of the Mattes M and m, and the Spaces S and f, and the reciprocal one of the Momenta I and i.

Dem. Eccause 1:i:: MS:: mfT, ImfT == iMS:. Wherefore T::::iMS:Imf.

Wherefore T: t: t: M S: l m J. Q.E. D. Q.E. D. Q.E. D. Q.E. D. S = l m J is and therefore 1: i: t: M S: s = l m J is and therefore 1: i: t: M S: s = l m J is and S: J : t: l m s: M. That is, if two Bodies, moving equably, deferibe equal Spaces in C = l m J. Their Morners will be in a Kario compounded of the Mafits and the Spaces. a. Their Mafites will be in a Kario compounded of the direct Ratio of the direct Ratio of the Momenta, and the reciprocal one of the Spaces, 3. The Spaces will be in a Ratio compounded of the direct Ratio of the Momenta, and the reciprocal one of the Maffes.

The Laws of Motions uniformly accelerated and retarded. Def. By an accelerated Mesium, we mean fuch a one as continually receives firsth Accessions of Velocity; and it is fail to be uniformly accelerated, when in equal Times its Accessions of Velocity are equal. See Accessantion. By a retarded Mission, is understood fact ha one, whose

Velocity continually decreases; and it is faid to be uniform-

ly retarded, when its Decrease is continually proportional to the Time. See RETARDATION.

Axiom. A Body once at reit, will never move, unless fome uther Body put it in Motion; and when once in Moties, it will continue for ever to move, with the fame Velo-city, and in the fame Direction, unless it be forced from its State by fome other Caufe: This is evident from that Habitae by tome orner value? I has necessary from that fundamental Axiom in Philofophy, That there is nothing without a fufficient Caufe.

Cov. I. A Body therefore moved by one only Impulfe,

Cov. 1. A Boay therefore moved by one only Impulfe, must proceed in a right Line.

Cov. 2. If then it be carry'd in a Curve, it must be acted on by a double Power; one, whereby it would proceed in a right Line; another, whereby it is continually drawn

out of it.

out of it.

Asison 1. If the Action and Re-action of two (usedsfie)
Bodies be equal, there will no Mation enfue; but the Bodies after Collifion, will remain at reft by each other.

Asison 3. If a moving Body to impelled in the Direction
of its Motion, it will be accelerated; if by a refifting Force,

"Line Mation 2. The Desire about with a pare, it will be retarded. Heavy Bodies descend with an acce-

lerated Matian There. X. If a Body move with an uniform Velocity 3 the Spaces will be in a duplicare Ratio of the Times. Down, For let the Velocity acquir'd in the Time the sq. then will the Velocity acquir'd in the Time a rese as sq. then will the Velocity acquir'd in the Time a rese as sq. then will the Velocity acquir'd in the Time a rese as sq. and the Spaces corresponding to

v, then will the Velectry acquired in the Time a rma a v, in the Time j = 3 v, E a and the Spaces corresponding to thefe Times, v, z t, j v, E c, will be a r v, q v v, q v, q v v, q v, q v v, q v, q

duplicate Ratio of the Times. Q. E. D.

De In Molecu numberally accelerated, the Times are in De In Albano uniformly accelerated, the Times are in De In Albano uniformly accelerated, necessis, in equal Times, excording to the amount of the Times, wherein a moving flexy equality accelerated, proceeds, be at 1.1.5.1.5.1.5.5 the Space patie of 1.3.5.5 the Space patie of 1.3.5.5 the Molecular of 1.3.5.5 the Albano 1.3.5.5 the Molecular of 1.3.5.5 the Molecular of 1.3.5.5 the Molecular of 1.3.5 the Molec

Cord. Wherefore in a Metros uniformly accelerated, the elocities are in a fubduplicate Ratio of the Spaces.

These. XIII. Heavy Bodies defeeted with an uniformly

accelerated Motion, in a Medium void of Resistance; if the Spaces be not very gr

Dow. Since heavy Bodies defeend with one accelerated Velocity, the Power of Gravity must continually impel them. But the Power of Gravity is found the fame at all Diffances from the Earth where the Experiment can be made. Therefore heavy Bodies must be driven down-wards in the fame mapper, in count living. wards in the fame manner in equal times. If then, in the first Mement of Time, they be impell'd with the Velothe fift between of I me, they be impelled with the fame Velocity a, they will be impelled with the fame Velocity a in the facond Moment, and with the fame in the 3d, 4th, &c. Moments. Now the Medium being supposed void of all Moffents. Now the Medium being Imported void of all Medium Reditiance, (by Hypoth) they will liftl retain the Velocity they acquire 3 and by reafon of their equal fresh Acquire intons every Minute, they will defeend with a Medium uniformly accelerated. Q. E. D. See Graviev. Gen. 1. The Spaces of Defector therefore, are in a duplicate Ratio of their Times, and also of their Velocities,

that hoston, wherewin the Earth revolving on its Axis, carries with it heavy Bodies during the time of their fall; tho this is not fentile at any moderate diffance.

Schol. It was Galilens who first discover'd the Law of

the Defcent of heavy Bodies 5 and that too by Reafoning ;

the he afterwards confirm'd it by Experiments. There he repeated again and again, and full found the Spaces pass'd over as the Squares of the Times: But it must be observed, that the Spaces are not to be taken in the Length, but the Height of the Plane, as will be shown the space of the State of the Sta

hereafter. See DESCENT.

hereafter. See Discours.
The Lime Experiments were try'd, the' in a different manner, by Riccolar and Granuldos, who let full feveral from Balls of the fame Bulk and Weight, 8 Ounces each, from various Altitudes; measuring the Times of Defeat by the Vibrations of a Pendalum. The Refult of their Experiments is form in the following Table.

| Vibrati-<br>ons. | Time. |     | Space at<br>the End<br>of the<br>Time. | Space<br>paß'd over<br>in each<br>Time. |  |
|------------------|-------|-----|--|---|--|
|                  | -     |     | Rem. Fers.                             | Ram. Feet.                              |  |
| 5                | 0     | 50  | 10                                     | 10                                      |  |
| 10               | I     | 40  | 40                                     | 30                                      |  |
| 15               | 2     | 30  |  | 50                                      |  |
| 10               | 13    | 2.0 | 160                                    | 70                                      |  |
| 25               | 4     | IC  | 250                                    | 90                                      |  |
| 6                | E.    | c   | 15                                     | 15                                      |  |
| 12               | 2     | 0   | 60                                     | 45                                      |  |
| 18               | 13    | 0   | 135                                    | 7.5                                     |  |
| 2.4              | 14    | c   | 240                                    | 105                                     |  |

Theor. XIV. If a heavy Body fall thro' a Medium void of Refiltance, and from a Height not very great; the Space it paties over is subduple of that which it would pass over in the same time, with the Velocity it has acquired at

the end of its fall.

Don. Let the right Line. A B. (Tab. Macmanres, Fig. 3): perpetien the whole Timor of swarp Body's Defress; and let this be divided into any Number of equal Parts; and let this be divided into any Number of equal Parts; and let this be divided into any Number of equal Parts; and the Parts of the Parts o Dem. Let the right Line AB (Tab. MECHANICS, Fig.

(Gred.1, 4.7)
Cer. The Space therefore pass'd over in half the Time A B, with the Velocity B C, is equal to the Space which the heavy Body passes over from a State of Rest in the whole Time A B.

whole Time A B.

Problew 1. The Time wherein a heavy Body fulls from

Problem 1. The 1 mic wherein a nexty Body mais from any given Altitude being given 3 to determine the Spaces it patters were in each part of that Time.

Refa. Let the given Altitude be = a, the Time = r, the Space pated over in any part of that Time \*. Then by Cer. of Theor. 15.

111 -1111

1 × == 0 x=a:t\*

The Space therefore pass'd over in the first part of Time is a: 1, and therefore that pass'd over in the focused part of Time = 3 a 1 s 3; that pass'd over in the third part = 5

Time = 3 a 13 5 that pairs over in the third pairs = 3 a 11, 85. (Bidd)

E. gr. In the above-mentioned Experiments of Recoids,

E. gr. In the above-mentioned Experiments of Recoids,

the Ball defended 140 Feet in four Seconds. The Space therefore pairs in the first Second = 140 116 = 15 3 that

in the next Second = 15.3 = 45 : that in the third = 15.5 = 15, &c.

Prob. 2. The Time of a heavy Body's Defcent in a Me-

dium void of Refiltance thro' any given Space, being given, to determine the Time wherein it will pais over another

underzmine be Time wherein it will pair over another given Space, in the form Medium.

Redd. and Jew. Since the Spaces are as the Supress of the Medium of the Spaces of t

Rejol. and Dew. Since the Spaces are as the Squares of Keila and Done. Since the Spaces are at the Squares of the Limes, Liber 1.35 find a latenth Proportional 10 sinc parts Spaces, the Square of the Time wherein it is no tall thre's the Spaces copiered, and the Space required. E.g. Sappoles Ball to fall 30 Spece frequired. E.g. Sappoles Ball to fall 30 Spece frequired. E.g. Sappoles Ball to fall 30 Spece frequired. E.g. Sappoles Andrew will be found = \( \pi \) (33.56 e).

135 Feet: The Albert will be a state of the Albert will be a state of the Albert William and the Albert will paid over half the Space which it would definibe in the fame time by an equable Motion.

Dem. Suppose the given Time divided into any Number

to the desirate in that it is time,  $L_{cold}(1, 4, 4)$ ,  $Q_{cold}(1, 4)$ , retracted, in equal Times, decreade seconding to the unsupplementation,  $I_{cold}(1, 4, 4)$ ,  $Q_{cold}(1, 4)$ ,  $I_{cold}(1, 4)$ ,  $I_{c$ Q. E. D.

for the Caufe, &c. of the Acceleration of MOTION, fee GRAVITY and ACCELERATION. For the Caufe, &c. of Retardation, fee RESISTANCE and RETARDATION.

Leass of the Communication of Morron.

The Laws wherein Mation is communicated by the Collition and Percution of Bodies are civery offerent, as the Bodies are cither Elylic or Undalyie, and as the Direction of
the Stronk is abligue or direct.

What relaves a the Collifon of Bodies are View.

What relates to the Collision of Bodies not Elastic, when the Stroak or Shock is direct, will come under the follow-

ing Laws.

ing Laws.

There, XVII. A moving Body firiking againft a Body at reft, will communicate Merion thereto, and both will proceed in the direction of the first; and the Momentum, or Quantity of Merion in the two, will be the fame after the

Quantity of Meion in the two, will be the fame after the Stroak, as in the fingle one before it. Den. For 'tis the Action of the first that gives the latter all the Meion it has; and 'tis the Re-action of the latter that takes oft any part of the Motion of the first. Now, as Action and Re-action are always equal, the Momentum ac-quir'd by the one must be just equal to that lost by the o-ther; so that there is neither loss nor gain from the Stroak.

Stroak.

Corel. The Velocity after the Stroak is found by multiplying the Maß of the first Body by its Velocity before
the Stroak, and dividing the Product by the Maß of the
second Body.

recond DMY:

Cord. Hence if a Body in Mation flrike on another moving
in the fame direction, but more flowly, both will continue
their Movios in their first Direction; and the Momenta, or
Sum of Motion will be the fame after as before the Strock.

Cord. If we equal Bodies move against each other with

equal Velocities, after the Stroak they will both remain as Rett. Simple Morion is that produced from fome one Power.

Composind MOTION is that produced by feveral con-fpiring Powers: Powers being faid to omfpire, when the Direction of the one is not opposite to that of the other; as when the Radius of a Circle is imagined to whirl, round

en its Centre, and a Point in the fame Radius is at the fame time fuppoled impell'd firait along it.

Cerof. All Curvelentar Motion, therefore, is Compound.

(Cor. 1. of Axion 1.)
Theo. XVIII. It a moving Body A (Fig. 32.) be acted on by

a double Power; the one according to the Direction AB, the other according to AC; with the Motor compounded thereof, it will deferibe the Diagonal of a Parallelogram ND; whose Sides AB and ACit would have described in the fame time with each of the respective Powers apart Dem. If the Body A were only acted on by the Force imprefs'd along A B; in the first instant of Time it would

be in fome Point of the right Line AB as in H, and fo in the Line H L parallel to AC; if it were only acted on by the Power A impress'd in the Direction AC, it would in the Fower a impreis a in the Direction A C, it would in the fame Initiate of time be in 6me Point of the Line A C as in I, and so in the Line I L parallel to A B. But fince the Directions of the Powers are not opposite to each other, notitude of 'emean imprede the others' and therefore the Body in the same initiant of Time will arrive both at the Point H L and at I L ; and will confequently be in the Point L. where the two meet. In the fame manner it appears that if KM and MG be drawn parallel to AB and AC, the Body in the feetend Instant of Time will be in M, and at length in D. Q. E. D.

Cor. 1. Since about every right Line as AD, a Parallelogram as A B D C, may be confirmeded by making two equal Triangles A C D and A B D, on one common Bale A D; every retidinear Mation, when it may be of fervice for the

Demonstration, may be resolved into a compound one.

Cor. 2. But as the Proportion of the Sides A C and C D
may be various, so also may the right Line A D be deferibed by a Mosion compounded various ways and thereore the same rectilinear Motion may be resolved into va-

rious compound Missions.

esous compound Mittens.

Cr. 3. Heace if a moveable Body be drawn by three feveral Powers according to the Directions B A, A D, and A C, (Fig. 35), two of which taken together are equivalent to the third; step will be to each other as the right Lines B D, D A, D C, parallel to their Directions 5; that is, the State of the Ample included. reciprocally as the Sines of the Angles included between the Lines of their Directions, and the Line of Direction of the third: DB being to AD as the Sine of the Angle BAD

third: DE being to AD as inc case of the Angle BAD.

There, XIX. In an equable compound. Motion, the Velocity conducted by the configuring Fowers, it to the Velocity of each of the two apart, as the Diagonal AD (Fig. peruls.) of the Parallelogeram ABDC, in the Direction of whole Sides they ad, to either of thole Sides AB or AC.

Dow. For in the fame time that one of the fowers would

Don. For in the lame time tank a one or tare rowers would carry it over the Side of the Parallelogram A B, and the other over A C leparately, join disognitier they carry it over the Diagonal A D. The Diagonal A D therefore is the Space described by the configuring Fowers in the fame Time: but in an equable Attent the Velocities in the fame

Time's but in an equable  $Abms^4$  be Velocities in the fame time are as the Spaces; the Velocities therefore arting from the Velocities of the Velocities arting from the Velocities of the Velocities from the Velocities from the Velocities being given, but he have AB or AC and AB to AB or AC and AB or ad Polition.

Cov. 2. The oblique Motion however being given, the fimple ones are not, over versa, given; because the same oblique Motion may be compounded of various simple

Theor. XX. In a compound Mosion produced by the fame Forces, the Velocity is greater if the Angle of Direction be left; and left, if this be greater.

name zerote, ne vestiory, as greater it the Angice B biDen Letthe greater Angic of Dreichbox B BAC, (Figs.-1),
the left FAC; lines the lowers are lappedd the lame, AC will be common to east Parallelagam, AP C is and BAC of
frozing of the greater Angic, the Disgonal A D is described; and on the footing of the left Angie, AE, and bothen it had and on the footing of the left Angie, AE is and both in the fame time; AP and AE. We believe the lame of AE is the lame of AE in the lame of AE is the lame of AE in the lame of AE in the lame of AE is the lame of AE in the lame o

mi ave buth perpendicular and oblique, fee Pracussion.

For Circular Morton, and the Laws of Projectiles, fee CENTRAL Force, and PROJECTILE.
For the MOTION of Pendentus, and the Laws of Ofcillation, fee Pendulum and Oscillation.

fee PERDULMI and OBSILLATION.

Perpenal Morton's See Perpenal Mailes, conflict
The celebrated Problem of a perpenal Mailes, conflict
in the inventing of a Machine; y which has the Punciple of
its Moson with utfelf. M. & Mitter has demonstrated the
impossibility of any fact Machine, and finds that it amounts
to this, was no find a Body which is both heavier, and lighter

a finds which is both heavier.

at the fame time; or a Body which is beavier than itself. SEE MACHINE. Annual Mortson, is that whereby the Situation, Figure, Magnitude, Sc. of the Parts, Members, Sc. of Animals

changed. Under these Mations come all the Animal Functions, as Respiration, Circulation of the Blood, Excretion, Walking, Sc. SEE FUNCTION.

Annual Motions are usually divided into two Species, with Spontaneous, and Natura

opminissus, and retired:
Spontanesses, or Mejedar Motion, is that perform'd by
Spontanesses, or Mejedar Motion, is that perform'd by
Spontanesses, or Mejedar Motion.
See Mejedar Motion,
Natural, or Intelluntary Motion, is that effected wishin
out lach Command of the Will 5 by the mere Mechanic

the Parts. Such is the Meion of the Heart, and Pulfe; the Perifial-tic Motron of the Interflues, Etc. Ste Heart, Etc. Interiore Movyton, an Agitation of the Particles, whereof a Body confills. See INTESTINES fee also Fernmenta.

TION, EFFRAUSCHNER, &f.
Some Philosophers will have every Body, and every
Paracle of a Body, in continual Masson. For Fluids, 'iii

Farice of a long, at continual warms. For Fining, in the Definition they give of fuch Bodies, wise, that their Parts are in continual Marsar. See Figuriary. And as to Solids, they infer the like Moiss from the Efficient continually emitted thro their Pores. See Er-

PLUVIA. Hence they deferibe Inteffine Monon, to be a Monon of the internal, and finaller Parts of Matter, continually ex-cised by fome external, latent Agent, which of itself is infensible, and only discoversified by its Piffcels, appoin-ted by Nature for the great Inflament of the Changes in

MOTION, in Aftronomy, is peculiarly apply'd to the or-derly Couries of the heavenly Bodies. See Sun, Planer,

COMET, Ec. The Motor of the Earth, from West to East, is now genorally granted among Affronomers: See it proved und the Article Easts.

The Merions of the Celeffial Luminaries are of two Kinds, Disenal or Common; and Secondary or Proper. Rinds, Discreed or Common; and Scientificary or Proper.

Discreed or Primary Motion, is that wherewith all the
heavenly Bodies, and the whole mundane Sphere, appears
to revolve every day round the Earth, from Eaft to Weft.

See DIVRNAL. This is alfo call'd the Motion of the Primon Mobile, and the Common Motion; to diffinguish it from that proper to each Planet, &c. 'Tis about the various Phonomena refulting

from this Merion, that Aftronomy is chiefly employ'd, See ASTRONOMY. Scenniary or Proper Morson, is that wherewith a Star,

Seemidary of Freper Institute, is that whitevers a virillance, or the like, advances a certain Space every day from Well towards Eaft. See Monles. See the Jeweral Minion of each Lowinger, with the Irregulative, See, theereof, under its proper deticle; Earth, Moon,

STAR, EG. MOTION of Trepidation. See TREPIDATION and LI-

BRATION.

MOTION, in Music, is the manner of beating the Meafare, to hasten or stacken the Time of the Promunciation
of the Words, or Notes. See MRAINER and TIME.

The Maisse, in Songs composed in double Time, differs
from Motion, in Figure 1 Time. Tis the Maisse that diffuguillines Constants and Surabands, from Gavots, Borces, Cha-

cones, Efc. MOTION is also used among Mechanics, for the Infide of Watch, &c. more commonly call'd Mosewers. See

MOVEMENT.

MOTIONS, in War, are the Marches, Counter-marches, &c. an Army makes in the changing of its Poil. The great Skill of a General conditis in diffeovering the Enemies Mitions, and concealing his own. Nothing is more angerous, than to make great Motions before a powerful

Enemy, ready to come to Blows.

MOTION, or Emotion, in Rhetoric, &c. See Passion.

MOTION, or Emotion, in Knettoric, 25c. See Passion. MOTORII, Motoran Nivers, the third Pair of Nerves, ferving for the Motion of the Eye. See Narve.
This Pair is united into one near their Infertion into the Brain; by which means, when one Eye is moved towards any Object, the other is directed towards the fame.

See Evr.

MOTOS, a Piece of List, or Linnen Cloth, teaz'd like Wool, in be put into Ulcers, to ftop the Flux of Blood, &c. MOTRIX, formething that has the Power or Faculty of Moving, See VIS Morris, Faculty of Control, it was a few or the Control, an Italian Term, literally signifying Word or Control of Arms, Designer, 576.

Stying; used in Arms, Devices, &c. See ARMs and DE-

The Moste of an Armony, is a fhort Sentence, or Diction carry'd in a Scroll generally over, fometimes under the Arms; fometimes alluding to the Name of the Bearer, metimes to the Bearing, and fometimes to neither,

The Moste, or Word, lays Gailling, is an external Orna-heen annex'd to Coat-Armour; being the Invention or Cocceit of the Beater, fuecincily and fignificantly expected usually in three, or four Words, which are fer in fome Scroll or Compartiment, plac'd at the foot of the Efcut-

As the Matte holds the lowest Place in Arms; so it is the last in Blazoning. thing intended in the Atchievement; but Cuftom has now The Ufe of Matte's is very antient; Hifbory, both facred profane, furniflying Inflances thereof. Our Ancestors

made choice of Morse's rockpress their predominant Paffilons, as of Piety, Love, War, Gr. or fome extraordinary Ad-venture betallen them: Most of which, from fome fach Original, have become hereditary in divers Families

The Mosso's of the Royal Family of England, are, Dien to mon Drait, God and my Right; of the Royal Family of 25 man Droit, God and my Rights i of the Koyal Family of Bondon, Zeprance, Hopes of the Conter of the Garter, Andrews, Hopes in the Conter of the Garter, and the Content of the Content of the Dake of Norjola, Sula Ferna Invalida; of the Dake of Bodford, Chr Farna Jana of the Dake of Decoping of the Content Invalidation to the Ennilly's Name Geologic, You Content Invalidation to the Ennilly's Name Geologic, The Theory of the Earl of Radow, Dake Japan, alluding to the three Stars in his Areas; of the Earl of Radow, Board Farna, alluding to the three Stars in his Areas; of the Earl of Radow. the Arms; of Fortefeue Lord Clinton, Forte featum falus Du-

The Mosto of a Device, is also call'd the Soul of the Device. Sec DEVICE

See DXVIEX.

MOVEABLE, formething fusceptible of Motion; or that is disport to be mov'd. See Moxxox.

Thura Sphere is faid to be the most noneable of all Bodies, i.e. the cases it to move. A Door is moreable on its Hinges: The Mugnetical Needle, on a Pin, or Pivot,

Moveable is frequently used in Contradistinction to Fixed. See FIXED.

MOVEABLE Feafts, are such as are not always held on the same Day of the Year, or Month; the they be, on the same Day of the Week. See Feast.

fame 139 of the week. See Frags.

Thus, Ediffer is a unreadile Feath; being always held on
the first Sunday after the full Moon following the arts of
March; which is moreable between the ist of March, and
the 18th of April. See Earsen.

All the other moreable Feaths follow Easter, i.e. keep.

their Diffance from it; fo that they are fix'd with respect

Such are Septuagefima, Sexagefima, Aft-Wednefday, After-fion-Day, Pentengi, Trinity-Sunday, &c. Which fee under per Articles

MOVEABLES, or MOVEABLE Goods, by the Civilians call'd Essa Monetta, are fuch as are capable of being remov'd from one Place to another; or which may be conceal'd or pervected; as one being fix'd to the Ground, Essa England, we have two Kinds of Fefforts. Monetable and and, we have two Kinds of Effects, Moveable and Immorphies; the Moreable are Rendy Money, Merchandizes, Bonds, Book-Debts, Cattel, Honfold Inframents, Sc. that are not father'd cither with Iron or Nail, not feal'd in the Plaifter, but may be transported without either Feat-

tion or Deterioration. In the Cuttomary Laws, we fay Mescalder follow the Per-fon, and his proper Habitation; Mescaldes follow the Body, &c. which Words have different Meanings in different

Sometimes they figuify, that Moveables go according to the Cuttom of the Place where is the Hubitation of the Deceas'd, the he die in another Place; sometimes they fignify, that Moreaides follow the Custom of the Place where the

MOVEMENT, Motorn, a Term frequently used in the fame Senfe with The most usual Movements are Watches and Clocks: The most usual Movements are Watches and Clocks: The first are such as show the Parts of Time; the second such

as publish it Sec WATCH and CLOCK. In its popular U(c, among us, Mocasien fignifies all the curious Parts of a Watch, Glock, or other curious Engine, which mone, and, by that Motion, carry on the Defign of

The Mosewest of a Clock, or Watch, is the Infide; of that Part which measures the Time, fittikes, Se. exclusive of the Frame, Case, Dial-Plate, Se.

of the France, Colin, Dial-Plare, Eff. the Stevenser are,
The Farse common to both of the Stevenser are,
The Farse common to both of the Stevenser are,
The Farse common to both of the Stevenser are,
The Farse common to be the Stevenser and the Strings. Both of the Stevenser are the Strings. Both of the Stevenser are the Stevenser are the Strings are the Stevenser are th The Parts common to both of these Movements are, Hand, Screws, Wedger, Stops, &C. Sec WHEEL, PIVOT, ESC.

Theory of Calculating the Numbers for MOVEMENTS. 1. It is to be observed, that a Wheel divided by its Pi-on, shows how many Turns the Pinion has to one Turn of

2. That from the Fufy to the Balance, the Wheels drive the Pinious; confequently the Pinious run fafter, or make more Revolutions than the Wheels; but 'tis the contrary from the great Wheel to the Dial-Wheel.

courary from he great Wheel to the Dist-Wheel.

J. That the Wheels of Pinions we write down citizer as
you have been a proper or the property of the property

17, the Crown-Wheel.

Hence, 4. From the Number of Turns any Pinion makes in one Turn of the Wheel it works in, may be determined the Number of Turns a Wheel or Pinion has at any greater

the Number of Yarus a Wheel or Finion has at any greater Diffusnee, who by multiplying negother the Quotients; the Produce whereof is the Number of Yurus. Thus, Suppose the Wheels and Princins as in the Cafe adjoining; 12 multiply d by 9, gives 99, the 3840, Turn of the fectoud Pinion 5, in one 514c/8 Tarm of the Wheel 15, which runs concentrical, or on the fame Spindle with the Prinor 5. Again, 99 mul-

Pinion has in one Turn of the first Wheel 5.

Phiso has in one Turn of the first Wheel 5.
Hence we proceed to find, not only the Turns, but the
Number of Bears of the Balinese in the Time of thole
Turns. For histing found the Number of Turns the
Turns and the Turns of the Turns of the State
Turns multiply day in Number, and the Number
of Bears, in that one Turn of the Wheel. Suppose, no,
as in the lail Cafe, the Cross-Wheel to have 7-to Turns,
or of the first Wheel; this Number multiply by 19, the
Notebes in the Coron-Wheel produces 18200; ball
the Number of States of the Challance in one Turn of the
Number of States of the Hallance in one Turn of the
Number of States of the Hallance in one Turn of the
Number of States of the Hallance in one Turn of the
Number of States of the Hallance in one Turn of the first Wheel.

The general Division of a Movement, is into the Clock and Watch-Parts. See Clock-Work and Water-Work. The general The general See Clock. Work and Watch-Work. MOVER, or first Moven. See Monitz.

MOVER, or first Moven. See Perferval Movies.

MOVLD, in the Michaelt Arts, &c. a Courty artfolly

MOVLD, in the Michaelt Arts, &c. a Courty artfolly

Adding to give its Form, or Impression to some

MOULD, in the Nichanic Arts, &C., & Cavity antielly cau, with delign on pite in Form, or impedition to fine upon the properties of the Conference of the Con drons, Pots, and other large Utenfils and Merchandifes of Iron, which are here cast, as it were, at first hand. See GOLD, SILVER, LUAD, TIN, IRON, Sec. The Fuunders of large Works, as Statues, Bells, Guns, and other brazen Works, have Mosdel of Wax, Supported within field by what they call a Gre, and cover'd without field with a Cap or Cafe. "The in the Space which the Wax rook up, which is now melted to leave in free, that 'the liquid Metal runs, and the Work is form d 3 being carried thither thro' a great Number of little Canals whe whole Monda. See FOUNDERY.

the whole Monda. See FONNERY.

The MOULDS of Cointry are Frames full of Sand, wherein
the Plates of Metal are east that are to ferve for the
striking of Species of Gold or Silver. See Coinages.
Moulds of Francers of January Works are like the Frames
of Ceiners. This these Frames, which are likewise filled.

with Sand, that their feveral Works are fashion'd; into which, when the two Frames whereof the Mould is composed, are rejone'd, the melted Brafs is ran. See Foun-DERY.

Mour.os of Letter-Essanders are partly of Steel, and partly Wood: The Wood, properly locaking, ferves only to cover the real Mould which is within, and to prevent the Workman who holds it in his Hand, from being incommo-ded by the imprefiton of the Heat of the melted Metal. Only one Letter or Type can be form'd at once in each

Mould. See Letter FOUNDERY.

Moulds in the Manufalline of Paper, are little Tables compoled of feveral Brals or Iron Wires tied to each other composed of leveral Brais or Iron Wires tied to each other by another Wire Hill finer. Each Moudis of the Signets of the Sheet of Paper to be made, and has a Rim or Ledge of Wood to which the Wires are fasten'd. These Moulds are more usually call'd Forms. See Paper.

The Furnalitts, Furnace, and Crucible Makers also make The Vernalitis, Fernace, and Crucible Makers also make of Musids for past of their Works, especially Crucibles. They are made of Word, of the fame form with the Crucibles are made of Word, of the fame form with the Crucible of Word of the fame form with the Crucible of Word to be seen and the Crucible of Word to the Seen and the Word of Musical Crucible of Word of Martin his Velfal. See FUNMALIFY. MOUTES for Leaden Bullets, are little from Finchers, and of whole Funchast erromastics in a Henrifsherral Consend of whole Funchast erromastics in a Henrifsherral Consended whole Seen and Seen

In the Lips cave, which when that, form an entire Sphereor Sides where the Branches meet, is a little Jet or Hole,

thro' which the melted Lead is convey'd.

The Glaffers have two kinds of Moulds, both ferving to caft their Lead. In the one they caft the Lead into long Rods or Canes fit to be drawn thro' the Vice, and the Grooves formed therein. This they fometimes call Ingor-Monld.

In the other they Mould those little Pieces of Lead a Line thick, and two Lines broad, fasten'd to the Iron-Bars. These may be also cast in the Vice; which see, see also

GLASIERY. The Goldfmiths use the Bones of the Cuttle-Fish to make Modds for their small Works; which they do by preffing the Pattern between two Boncs, and leaving a Jet or Hole to convey their Silver thro' after the Pattern has

been taken out. MOULD, among Mafons, a Piece of hard Wood or Iron, hollowed within fide, answerable to the Contours of the Mouldings or Cornishes, &c. to be form'd. This is

erwife call'd Calliber. MOULDS among Plumbers, the Tables whereon they caft their Sheets of Lead. Thefe they fometimes call fimply Tables. Befides thefe, they have other real Moulds wherewith they cast Pipes without Soldering. See both the one and the other under Plumpers. Movins among Glass-Grinders, are Wooden-Frames

Movens among Olid-Grinders, are Woodne-France whereon they make the Tubes wherevith they fitted Fre-Figelities, Teleforpes, and other Opin Markins: The fibelities, Teleforpes, and other Opin Markins: The fibelities of the Control o which is to go over it; but without taking out the Mould

from the figit. See Tune.

MOULDS afed in Basker-Making are very fimple, confiffing ordinarily of a Willow or Offer turn'd or bent into miting organization of white work of their into an Oval, Circle, Square, or other Figure, according to the Baskets, Panniers, Hampers, Hots, and other Urecrills intended. On their Media' they make, or more properly measure all their work; and accordingly have 'em

of all Sizes, Shapes, &c.
Movens among Tallow-Chandlers are of two kinds: MOULDS among I allow-Canadiers are of two kinds:
The first for the common dippd Candles, being the Vessel wherein themelted Tallow is dispised, and the Wick dippd. This is of Weed of a rinagalar Form, and lapported on one of its Angles, so that it has an opening of near a Poot a-top. The other asked in the Fabric of Modd Candles, is of Brais, Fewer, or This. Here each Candle has in feretal Modd. See each under CANDLE.

MOULD among Gold-Beatest, a certain Number of Leaves of Velom, or pieces of Guts, cat figuare, of a octain fire, and laid over one another, between which they past the Leaves of Gold and Silver which they bear to they put the Leaves of Goal and Girld Stand for kinds of the Marble with the Hammer. They have foar kinds of Manda's two whereof are of Velom, and two of Gat. The finalicit of those of Velom consists of forty or fifty Leaves, the largest contains an hundred. For the others, each contains five hundred Leaves.

The Moulds have all their feveral Cafes, confifting of two pieces of Parchment, terving to keep the Leaves of the with beating. See Gold-Beating.

Mould Cindles, fee Modd-Candle.

MOVED, in Agriculture, &c. a kind of Soil; call'd alfo

The best Mend for the Gardeners Purposes, according to The both sounds for the Gardener's torposes, according to Mr. Seelyn, is that of a blackiff grey Colour; according to Mr. Sunzer, that of a lively Orefinat, or Hazle Cour, which cais like Batter, and does not fittle obligately, but is fluor, rolerably light, breaking into final! Cloud, may be temper'd without crafting or chapping in dry Weathers.

may be comper a winour creating or snapping maty wear-ther, or turning to Mortar in wet. Next to Chefnat, are the dark Greys, and Ruffet. The light and dark Affi-Colonis are naught, being those com-monly found on heathy Groand. The yellowish red in

wortt of all.

MOULDINESS, a Term apply'd to folid Things that
corrapt in the Air, from fome hidden Principle of Humidity therein; and whole Corruption flews itfelf by a
certain white Down, or Beard on their Surface.

certain white Down, or Beard on their surface.

This Madalanit, when view with a Microtope, affords a cartous Specific less being a kind of Mesdow out of which a cartous Specific less being a kind of Mesdow out of which blown, and others decay d's cach having in little Root, Stalls, and other Parts: The Figure whereof may be from the Joseph Schroyophur. The fame thing may be observed the Mesdow Stalls, and other of the Mesdow Stalls, and other of the Mesdow Stalls, and other forms of the Stalls of Mesdow Stalls.

Mr. Evadley observed this Mouldiness in a Melon very ac-curately; and found the Vegetation of these little Plants exceedingly quick. Each Plant had its Seeds in great Awhich did not feem to be three Hours e'er they bundance. began to shoot up, and in fix Hours more the Plant was complext and mature, and the Seed ready to fall. When the Fruit had been cover'd with a Monda for fix Days, its the Fruit had been cover'd with a Mould for fix Days, its vegetainte Quality began to abate, and was intirely gone in two Days more; then came on a Putrefaction, and the fichty Parts of the Melon yielded nothing of the base a final-ing Water, which began to have a gentle. Morion in its Sur-ference and it was destricted. face, and in two days time Maggots appeared, which in face more laid themfelves up in their Bags, where they conti-nued four days; and then came out Flies.

MOULDING, any thing cast in a Mould, or that feems to have been fo; tho in reality it were cut with the Chiffel. MOULDINGS, or Ornaments, in Architecture, are Pro-jectures beyond the Naked of a Wall, Column, Wainfoot, &c. the Affemblage whereof forms Co-nifee, Don-Cafes,

and other Pieces of Architecture. See Ornament.
Some Mandange are crowned with a Fillet; others are without, as the Doucine, Talon, Ovolo, Toras, Sectia, Attragal, Gula, Corona, &c. See each under its proper

Again, fome are adorned with Sculpture, either hollow'd, or in Relievo.

Mondaines are in Architecture what Letters are in Wriring. Dy the Various Dispositions and Combinations of Mostle-ing, may be made an infinite Namber of different Pro-fisles for all forts of Orders and Compositions, Regular and Irregular; and yet all the kinds of Mostatoge may be re-duced to three, wise. Space 3 Resnet 3 and Maxed, i. e. com-posed of the other two.

posici of the other www. For this Needle, the Gulhie Archi-Fort his Needle, the deep water the perfect Figures, and the cellure, resolving to recole from the feetfeet Figures, and chiefeld use from the Antique, introduced new Ster of whimf-cal Modeling and Ornaments. See GOTHIC, GO STERGER, SEE Regular Modeling are critical Figure 2a Danners, Costes, Gala, Talest, Tani's, Switz, See or finall, as Tilers, office, fig. (2015), Congres, See, which fee in their places, Dourles,

gau, songes, occ. waten tee in their places, Doueling, Ovoto, Astra Dat, Filtelett, &c. MOULINET is a French Term properly fignifying a little Mill 3 being a diminuitive of Moulin, Mill. It is used in Mechanics to fignify a Roller, which being a first the control of the mouling of the control of the contr little Mill ress used in wechanics to inguiry a woiter, which being crofted with two Levers, is usually apply'd to Cranes, Cap-flans, and other forts of Engines of the like nature, to draw Cords, and heave up Stones, Timber, &c. See Car-STAN, &c.

STAN, Sc.

MOULINET is also a kind of Turn-Stile, or Wooden-Crofs, which turns horizontally upon a Stake fixed in the Ground; usually placed in the Passages to keep our Harfes,

7 M

Horses, and to oblige Paffengers to go and come one by These Mauliness are often fer near the Out-works of For-

rified Places at the fide of the Barriers, thro' which People pass on 6

pais on boot.

MOULTING, in Natural Hiftory, fee Molying.

MOUND, a Term ufed for a Bank, Rampart, or other
Fence, particularly of Earth.

MOUND, in Heraldry, is a Ball or Globo with a Croß.

upon it, fuch as our Kings are ufually drawn with, holdis in their left Hand, as they do the Scepter in the Right. See MCUNT, Mons, an Elevation of Earth, call'd alfo tentain. See Mountain.
The Words Means and Mountain are Synonymous; but Mountain.

the former is scarce ever used in Prose, unless when accompanied with fome proper Name, as Mount Atna, Mount Gibel, Mount Libanon, Mount Smai, Mount Atlas, Mount Parnafio, &c.

In Gardening, Meant is formetimes also used for a Walk raised on the fide of the Garden above the Level of the reft of the Plot.

rett of the Fig.,

Mown'ts of Pley, are certain Funds or Effebliffments
in Italy, where Moncy is lent out on fome fmall Security.
We had alfo Mowers of Fiety in England, raifed by Contribution for the Benefit of People ruin d by the Extertions of the

MOUNTAIN, Mons, Mount, a Part of the Earth ri-fing to a confiderable Height above the Level of the Surthereof. See EARTH.

The Origin of Mantains is variously assigned by Philofophers: Some will have 'em co-eval with the World, and created along with it.

created along winn it.

Others, among whom Dr. Børner, will have 'em to take
their Rife from the Deluge; orgiog, that the extreme lrregularity and Difforder vifable in 'em, plainly fliews they
don't come immediately out of the hand of God, but are
the Wrecks of the Old World broken into the Abyfs. Others again, alledge from Hiftery, that the Roots of any Hills being caten away, the Hills themselves have

fublided, and funk into Plains: Whence they conclude, that where the Corruption is natural, the Generation is fo

too.
This, indeed, appears pertry evident, that forme Mus-nish mell have been generated gradually, and have grown usin mell have been generated gradually, and have grown up in Percels of Time, from the Sea Soilli, \$6.5 found in many of 'em; which may be accounted for from a violent Wed blowing the Soul, \$6.5 into huge Heaps, which are afterwards made into a Mish by the Ring, \$6.5 some a-felly even a soil that when Code Heaps accounted from the Land, he dug Channel in the Earth; and the Earth focod out, the threw up in Musnitus: by the yeller Earth fcoop'd out, he threw up in Mountains: but whether the Mountains be sufficient to fill all the Channels of the Ocean, let them look to it.

Ocean, let them took to it.

The Use of Massissins are almost infinite; we shall only mention two or three. In They serve as Skreens to keep off the Cold and nipping Blafts of the Northern and Eattern Winds. 2. They serve for the Production of a great Number of Vegetables and Minerals, which are not found Number of Vegetacies and minerals, when are not towns in any other Soul. 5. The long Ridges and Chains of lefty and topping Mosensian being generally found to run from East to Week, ferve to flop the Evegation of the Vapears towards the Poles, without which they would all ran from

towards the Poter, without which they would all run from the Hot Countrys, and leave 'em deithute of Rain, Mr. Ray adds, that they condenfe those Vapours, like Alembie-Heads, into Clouds, and so by a kind of external Diffillation, give Original to Springs and Rivers ; and by

Diffillation, give Original to Springs and Rivers 3 and by mansing, cooling, and conflipsing them, true them into Rain, and by their measurements for the first Regions of the Rain and the State of the Rain and the

The there is another way used by Dr. Halley in the Mea-The there is another way used by ILP Intigo in the inter-fere of Showndow-Hallin Wales, by means of a Barometer, the different Heights of whose Mercury at the Tup and Bos-com of the Mosardise, give its perpendicular Alfrede, ac-counting St. Feet perpendicular Affector, for every Inch-vidence of the Intigonal Conference of the Intigonal MOUNT LISTS in the Most, Text Nove LEVELLING. MOUNT LISTS in the Most of the Intigonal St. of Conference Accounts the Nove Intigonal Conference on the Intigonal MOUNT INC. The Most of The Intigonal St. of Conference Accounts the Nove Intigonal Conference on the Intigonal Conference Accounts the Nove Intigonal Conference on the Intigonal Conference Accounts the Nove Intigonal Conference on the Intigonal Conference Accounts the Nove Intigonal Conference on the Intigonal Conference Accounts the Nove Intigonal Conference on the Intigonal Conference Accounts the Nove Intigonal Conference on the Intigonal Conference Accounts the Intigonal Conference on the Intigonal Conference Accounts the Intigonal Conference on the Intigonal Conference Accounts the Intigonal Conference on the Intigonal Conference Intigonal Conference on the Intigonal Conference on the Intigonal Conference Intigonal Conference on the Intigonal Conference on the Intigonal Conference Intigonal Conference on the Intigonal Conference on the Intigonal Conference Intigonal Conference on the Intigonal Conference on the Intigonal Conference Intigonal Conference on the Intigonal Conference on the Intigonal Conference on the Intigonal Conference Intigonal Conference on the Intigonal C

MOUNTING the timent, Trender, Breach, E.c. denotes the going upon Dury being upon Gustd, in the Trenches; running to the Breach, E.c. See Guand, Taenen, Mourting Catrings, Morar, E.c. is the fetting it on its Catrings of either miding its Mosth. See Cannon, Morar-Tar, Carallaco, E.c. Mouvering in Manafactures, fomething serving to raise or fettoff a Working in Manafactures, fomething serving to raise or fettiff a Working in Manafactures, fomething serving to raise or fettiff a Working in Manafactures, fomething serving to raise or fettiff a Working in Manafactures, fomething serving to raise or fettiff a Working in Manafactures, fomething serving to raise or fettiff a Working in Manafactures, fomething serving to raise or fettiff a Working in Manafactures, fomething serving to raise or fettiff a Working in Manafactures, fomething serving to the Manafactures and the Manafactures

Thus the Frame or Border and its Dependencies, makes the Mounting of a Looking-Glafs. The Fuft, or But, the Meanting of a Mufquet, Carabine,

The Hilt, &c. the Mounting of a Sword.

Mounting of a fam, the Sucks which ferve to open and flut it, whether they be of Wood, Ivory, Tortorfe-field, What-Bone, Indian-Cane, Efe. See Fan.

MOURNING a particular Drefs, or Habit wore, to ferrife Grife on few fam. fignify Gricf, on fome melancholy Oceasio

The Modes of Mourning are various in various Countries 5

as are also the Colours that obtain for that End.

In Europe, the ordinary Colour for Manning is Black; in Ceine, Whee; in Tarky, Blue, or Violet; in Egypt, Tellow; in Ethiopia, Brown.

The anticut Spartan and Roman Ladies mourn'd in White; and the fame Colour obtain'd formerly in Cafiile on the

and the lame Colour obtaind formerly in Capille on the Death of their Princes. Herex observes, that the last time it was ufcd, was in 1498, at the Death of Prince Plabs. Kings and Cardinals moven in Pupile.

Each People have their Reafons for the particular Colour of their Marring; White is fupped dro denote Putity is Vellow, that Death is the Eed of human Hopes, in

tipy Yellow, that Death is the End of Issman Bipper, in regard Lexue who they fall, and Florest when they fall, and Florest when they fall, become Yellow. Howe denotes the Earth, whitler fall, become Yellow. Howe denotes the Earth, whitler the Privation of Light. Blue experient the Hastler which it is hoped the Decarded does cripy; and Purple, or Valley, Survivo on the one fall, and Hope on the others. MOUTH, in Austrony, a part of the hamma Face, confiling of the Left, the Casw, the India of the Cheek, and the Falley. See Face, Linz, Gusta, George Cast, which is compared to the Mouth of the Cheek, and the Palley. See Face, Linz, Gusta, George Cast, which is compared to the Mouth of the Cheek, and the Palley of the Mouth of the Cheek, and the Palley of the Mouth of the Mouth

is continu'd over the whole inner Surface of the Moste, and

st continue a over the whole inner Surface of the Month, and all its Parts, the Teeth excepted. From the Glands of this Coat, thro innumerable little excretory Ducks, in feparated a kind of Salival Juice, which ferres to keep the Month, and all its Parts, moilt, fineoth, and flippery. Sec SALIVA

On the bind part of the Palate, perpendicularly over the Rima of the Larynx, hange a round, fufi, finooth Body, like the End of a Child's Finger, form'd by the Duplicature of the Membrane of the Palate, and call'd the seala, which is moved by two Mafeles, call'd Sphemyiaphilinus and Pserygofiaphilinus; and fulpended by as many Ligaments. See Uvula. Under the Membrane of the Palate, are a great number

Under the Membrane of the Palate, are a great number of Glands pretty confpicuous in the fore-part, like Grains of Millet; whole excretory Duéls picroing the Membrane, open into the Mark: but towards the bind-part they lie much thicker, and about the Rnet of the Urula are gather'd fo close to one another, that they feem to form one large conglomerate Gland; which is therefore, by Verbeyen, call'd Glandala conglomerata Palatina. See PALATE

The Gums are, as it were, the Ligaments of the Teeth; which fee under GENCIVA.

Befides the proper Paris of the Month, there are in and about it others, highly ferviceable and necessary thereto. Among which are the Glands; the most confiderable

whereof are the Paratides, the Glandele Maxillares, the Sol linguales, and the Tenfils or Amygdala; which fee in their

inguality, and the singli of any absolute y which fee in their Thefe are the Salina (Organica) who fee figings all that Liques we call the spinic, which flows into the Month but reflective Ducks, after its Separation from the Blood in the

Mr. Derham observes the Manth, in the several Species, to be nicely adapted to the Uses of such a Part; well shoot and shaped for the catching of Prey, for the gathering and receiving Food, the Formation of Speech, 85.

receiving Food, the Formation of Speech, &c. In fome Centures it is wide and large, in fome little and natrow; in fome with a deep lacifure up into the Head, for the better eatching and holding of Prey, and more cafy Commincion of hard, large, and troublefone Food; in others with a fhorter Incifure, for the gathering Food and holding of herbaccous Food,
In Infects it is very notable: in force forcipated to catch

In Intects it is very notables in forme foreignted to catch, hold and tear the Prey in forme aculeated, to pierce and wound Animals, and fack their Blood; in others flroughridg'd with Jaws and Teeth, to graw and ferape out their Pood, carry Bordens, perforate the Earth, any, the hardeft Wood, and even Stones themfelves, for Houles and Meltis

for their Young.

Nor is it less remarkable in Birds, being neatly shaped for piercing the Air, bard and horny, to supply the war Teeth a hooked in the rapacious Kind, to catch and hold their Prey; long and flender, in those who have their Food to grope for in moorifs Places; and broad and long, in those that fearch it in muddy Places. See Bill.

whote has tearch it in muddy Places. See Pleas.
Mown it used in the Courts of Plines, for what relates to their Earing and Drinking.
Hence Officer of the Manis, Postume of the Month, Rec.
Davider defines Manis, an A partment composed of foveral
Rooms, as Offices, Kirchine, E.c. where the Meat introduced
for the first Tables, is dreigt by itself. At Court this is call'd the King's Mo

Mourss, in the Manage, is used for the Sentibility a Horse

has in that part, where the Bits are apply'd. has in that part, where the Bits are apply o. Opening, or Sathing the Blowrin, of a Cardinal, is a Ceremony used in the Confillory at Rome; wherein the Pope flusts a new-elected Cardinal's Mosté, fo as he may not peak at all, even to the Pope should freshe to him; and retnains in the mean time deprived of all Voice, both active and passive, till the polling of another Consistory, when the Pope opens the Month again, making a little Harangue, to teach him how to speak, and comport himself in the

Confiftory. See Cardinar.

MOXA, a fort of Cotton, or downy Subflance, brought from China, and by fome faid to grow on the lower part

of the Mugwort Leaf.

It is not known for any medicinal Efficacy, but what common Report mentions of its curing the Gout, by burn-

common Reper mentions of in caring the Gost, by buming it upon the Party veri Feeth here on Flash crossips for
the Court of the Court

Sec Mucus. It is prepar'd from Röots, and Seeds pounded in a Morter, and infufed in hot Water, and ffrajned thro' a

The Seeds chiefly used for this purpose, are those of The Seeds chiefly afted for this purpose, are more an Althean, Mallows, Symphytum, Uservall Plaiflers they contained for the Composition of Feveral Plaiflers they Counter, Impediate of Counter and Praisis, as Tigs, Mucriaca line Globa, Ger. Gumen and Praisis, as Tigs, Mucriaca is also athick, pituieness Matter, evacuated with the Urine in the Gravel, and Differing counters. Set of Glasda in the Joint, fifth than outside, to any purpose, he The Markows in the Oliveker.

by Dr. Havers, in his Offeeders.

He observes, that there are two forts; some small, next a-kin to milliary Glands, being Glandules plac'd all upon the Surface of the Membranes, which lie over the Arti-

The other fort are conglomerated, or many Glandules

The other fort are conglomerated, or many Grianfules collected, and planed one upon another, for as to make a Bulk, and appear conficiently. In forme of the Joints, there are feveral of them is nothers, there is fingle one. As to the Structure of these large Glands; they confit of fmall Vesicles, which are not gather'd together into several Lobes, or Bage of Glandules, but are differed upon feweral Lobes, or Bage of Glandules, but are differed upon feweral Lobes, or Bage of Glandules, but are differed upon feweral Lobes, or Bage of Glandules, but are differed upon feweral Lobes, or Bage of Glandules, but are differed upon feweral Lobes, or Bage of Glandules, but are differed upon feweral Lobes, or Bage of Glandules, but are differed upon feweral Lobes, or Bage of Glandules, but are differed upon feweral Lobes, or Bage of Glandules, but are differed upon feweral control of the co veral Lobe, or Bage of Glandsies, but are differed upon feveral Membrane ripig over one another, of which themselves the state of the s

ANIMAL Secretion ANIMAL Section." The large metalgraphs of Glands are variously fituated; fome in a Sinus formd in the Joint, others fland near, or overgaging the Interestities, between the articulated Bioness but in general, they are for placed, as to be figured Jeensly, and lightly period in the Indiction or Extention of the Joint, in order to yield a Quantity of Natislage, prosineate to the Motion of the Barr, and the perfect Occasion,

without any lajury.

The Detign of all those Glands is to separate a maciling The Denga of all those Grands is to reputate a manner mean kind of Liquor, that ferves principally to lubricate the Joints, or to make them flippery. It ferves likewife to pre-ferve the Ends of the articulated Bones from Attrition and ferre the Eads of the articulated Bones from Artirion and Heating: But all this it does, in compaction with the medalitary Oils with which, regether, is made a Composite and the Compact of the Compact of the Compact adds to the Labristicy of the Oil, and the Oil preferres the Macillage from growing too thick and visious. The Debot or observes the farme Gleads to lie between the Muclea and Tendons; and irreports that there is the farms Mixture of an oil yand massaliparum Debbinace s, the one

being that Far, which is found between the Muscles, and is supply'd by the Glandule Adopte; and the other separated by the mucilaginous Glandules, of which the commen Membrane of the Muscles is every where full. This Mixture in the Interifices of the Muscles, lubricates them and their Tendons, and preferves them from fhrinking, and

growing rigid and dry.

MUCRO Cords, or Apex, in Anatomy, the lower pointed End of the Heart; thus call'd from Mucro the Point of a Spear, &c. See HEART.

Hence mecronated is apply'd to whatever tends to, or tet-minates in a Point, like that of a Spear; as Mecronatum Ot, See Ensironmis Caralage

MUCOUS Glands, are three Glands which empty them felves into the Urethra; so call'd by the first Discoverer, Mr. Comper, from the Tenacity of the Liquor which they

Icparars.
The two first discover'd of these, are about the bignosa a trends Bean, of a depress'd oval Figure, and a yellowish. Colour, like the Prepiete, being on each fide the Bulb of the cavernous Body of the Urestira, a little above it. Their exercision Deads, figuing from this internal Surface, next the inner Membrane of the Uresthan, into which they open a little base by two plants of the property of the p the inner Mombrane of the Urethra; into which they open a little lower by we diffield Officies, jult below its bend-all the lower by we will be the property of the con-traffyzers without Liquor. The third second Lind, is a finall, conglobuse, yellowill Girda, like the former, but four-sks left, siness above the Angle of Flexaure of the Ure-vision of the Company of the Company of the Company of the Company of the Lind of the Company of the Company is a quarter of an Inch below the two former; and of Lingue & Ligour like the former, both in Colour and of Lingue & Ligour Lind of the Company of the Colour and onfilence. See URETHRA.

Confidence. See URETHEA.

MUCUS of the Jenut, is a muchaginous Liquot, feparared by its proper Glands, conveniently placed in the Intertitice of the Boons, where those Glands are guelty prefidby the Motion of the Barra: it ferres to make the Extramittee of the Boons of Joints Bip more castly. See Boons.

mittee of the Boons of Joints Bip more castly. See Boons.

ferring to line and lubricate the Barra, that the See Invadia more freely without address. It stormes from Glands

of more freely without address. It stormes from Glands

flip more freely, without adhering. It comes from Glands lately discover d by Mr. Owper, about the Penis, and is that, which in Women is commonly militaken for the Semen. See Penis, Seed, &c.

Mucus of the Nothill, as leparated by its proper Glands, plac'd in the internal Membrane of those Parts. It ferves to moiften, lubricate, and defend the Olfactory Nerreas, which being extremely for and naked, would, without such

Provision, be seen spoild. See Nose, Se.
MUFTY, see Mupurs.
MUGGLETONIANS, a Religious Sect, which arose in

England, about the Year 1657; denominated from their Leader Ledowick Maggleton, a Journey-man Taylor. Maggleton, with his Affociate Reeve, fet up for great Monggiess, with his Allocasic Reers, let up for great property and percended to an abbolute Power of faving and damning whom they pleas d: Giving out, that they were he two lait Winnelles of God, that thould appear before the End of the World.

MUID, a large Meafure, in ufe among the French, for dry Commodities; as Corn, Pulle, Salt, Lime, Goals, Sfc. See Maxauxa.

The Maid is no real Veffel used as a Measure; but an Estimation of Several other Measures, as the Septier, Mine, Minor, Bushel, Se. At Paris, the Mud of Wheat, Pulse, and the like, is

composed of twelve Septiers, each Septier making two Mines, the Mine two Minots, the Minot three Buffiels, the Buffiel four Quarts, or fixteen Litrons, each Litron 36 cubic Inches, exceeding our Pint by 1 12 cable Inch.

The Make of Oats is double that of Whear, the compo-

fed, like that, of 12 Septiers; but each Septier contains Buffele. The Maid of Charcosl contains an Mines, Sacks, or Loads, each Mine two Minots, each Minet eight Bushels,

cach Bushel four Quarts, &c.

cach Bushel four Quarty, S.c.
Murn is alfo one of the nine Casks, or regular Veffels
used in France, to put Wise and other Liquors in.
The Maid of Wine divided into two Densi-Maids, four
Danster-Maids, and eight Half Danster-Maids, contains 36
Septiers, each Septier 9 Fines. Paris Mealure 5 fo that the
Maid contains a88 Fines. See Maasura.

MULCT, a Penalty, or Fine of Money. See FINE, A-MERCIAMENT, &C. MULATTO, or MULAT, a Name given, in the Indies, to

Working or Notary a Name given, in the inmet, to those who are begotten by a Negro Wan on an Indian Woman; or an Indian Man on a Negro Woman. Those begotten of a Spanis Woman and an Indian Man, are call'd Meir i and those begotten of a Savage by a Metit, are call'd Jambo

Thefe are all very different in Colour, and in their Hair. The Word comes from Mulat, or Mula, Mule; begotten of two different Species.

e Irench Malene. Whence fome Authors will have it MULE, in Natural Hiftory, a Beaft generated be

an Afs and a Mare; or between a Horfe and a She-Afs.

Mules are a fort of Monsters; and, therefore, don't pr pagate their kind. See Monares.
And yet the Antients mention a fort of Mules that were

and yet the Anticons mention a fort of notice that were profile, in Physics, Syria, Cappadena, and Africa. Witted Ariffeld, Hift. Antimat. L. VI. c. 36. Varse de Re Reflica, Lib. H. c. 1. Colonella, L. VII. c. 36. Thesphrafter, and, after him, Pinny, L. VIII. c. 44. Stens, examining the Tellicles of a Male, found Eggs therein, with a fort of Placency about "one which work with the Anti-Placenta about 'em ; which perluaded him that Mules might

Placenta about em 3 which persuace min that assessment engender without any Miracle.

The Roman Ladies had Equipages drawn by Maler 3 as appears from the Medals of Julia and Supepina. And at this day, in Spain the Coaches of the Nobility, and even Princes, are alitally drawn by no other than Maler. Warra differed that M. Thumus, first President of Parliament, had

anarred that M. Lumanus, arit Frenneet or Fatiationet, that the fourth Coach in France, in 1855 till which time every body rid to Coart, Parliament, Ele. on Mules. See Coact. Mules, among Gardeners, a fort of vegetable Monfere produced by putting the Fasina framedom of one Species of Plant into the Pajith or United of another. See Grants

ERATION of Plant

The Carnation and Sweet-William being fomewhat alike The Caration and Swert William boing founceshat alike to their larts, particularly their Elevens; in the Ermonfeltone on will impregnate the other; and the Swel Genliverd in will produce a little differing from either. An influence of the state of the state of their larts and their larts of the Sweet William. The Consideration that had been impregnated by the Farins of the Sweet William. The Consideration will be their larts of the Marco with the daft, which produce the larts of the Marco with the daft, which produce the larts of the Marco with the daft, which produce the larts of the Marco with the daft, which produce the larts of the Marco with the daft, which produce the larts of the Marco with the daft, which produce the larts of the Marco with the daft, which produce the larts of the Marco with the daft, which produce the larts of the Marco with the daft, which produce the larts of the Marco with the daft, which produce the larts of the Marco with the Marco with the daft, which produce the larts of the Marco with the Marco with the daft, which produce the larts of the Marco with the Marco

tame rame is given em; and ney are like the others, unable to multiply their Species.

This gives us a hint for altering the Property and
Tatle of any Fruit, by impregnating one Tree with the
Frience of another of the faunc Clafs; a.g., a Codling with
a Pearmain, which will occasion the Codling so impregnated to last a longer time than usual, and be of a sharper Taste. Or if the Winter Fruits be focundated with the Dust of the Summer-Seeds, they will decay before their ufual time. And from this accidental Coupling of the Farina of one with the other, it is that in an Orebard where there is vawith the other, it is that in an Orcoard where there is va-riety of Apples, even the Fruit gatherd from the fame. Tree differ in their Flavour, and in the Seafon of Ma-tority. Tis from the fame accidental Coupling that pro-ceeds the numberless Varieties of Fruits and Flowers raised

every Day from Seed. See Farina and Sern.
MULIEBRIA, a Term fometimes used to fignify the
Privities of Women; or so much as is otherwise call'd, Can-

Priviles of Women; or formen as so thereificall'd, Cusus. See Pubershum, Cunwus, tic.

MULLER, a Term in Law, feeming to be a corruption
of the Latin Mellor, no the French Mellor, petter; and fignifying the lawful liftue born in Wedlock.
Tho, according to Glastelle, the lawful liftue is rather call'd
Mellor than Mellor, because begotten on Mellore, and not of
the lawful liftue born in the lawful liftue, and not of
the lawful liftue for the lawful liftue is the lawful liftue.

Concabine: For he calls such Issue filles Multerates; opposing them to Bastards.

them to Baltardt.

Agrecable to which, Bress has frere Nadier, i.e. the Bitthe legentes of the Wife; is explicition to free National

The Miles of the State of the State of the State

The Miles of the State of the State of the State

The Miles of the State of the State of the State

The Miles of the State of the State of the State

Morber of the Baltard, and the heigh, and find by Heir

Morber of the Baltard, and the heigh, and find by Heir

Additions, Inpined circus, and Multer justice, and the Miles

MINTALE, was also aniserily wide as an Addition, from

MINTALE, was also aniserily wide as an Addition, from

MINTALE, was also aniserily wide as an Addition, from

MINTALE, was also aniserily wide as an Addition, from

MINTALE, was also aniserily wide as the Control of the Wide Miles

Mintal State of the Miles o

of five Points; as in the Figure

adjoining. The Mailer is usually the difference, or diffinguifhing Mark for the fourth Son, or third Brother, or House. See DIFFERENCE, Tho it is often also borne as

Coat-Armour: As here; Ruby on a Chief Pearl, two Mullers Diamond; being the Coat of the famous Lord Verslam, first

Sir Francis Bacon.
The Heralds hold that the Maller represents a falling Star 5 others, with more probability, take it for the Rowel of a Spur, call'd by

When it has fix Points, it is not call'd a Muller, but a

See STAR

Size. See Stabs. Monarty, a Stene fit and even at MULLET, and monarty, a Stene fit and even at MULLET, and a sep y and of a fermioning of Marriers a Martin. The Apothecaries wile influence proper many of their Ingredients; Planets for their Colours, either dye or in O.D. Maler is also an Instrument ufed by the Cliffs. Genders; being a Piece of Woods, to one tall whereof it offered in the Commission of the Colours, the Multiness of the Colours, the Colours is a Spitce or Bowl. The Mode: is ordinarily about a fine-theology and trough at the Commerchay of the Colours of the Commerchay of the Colours of the Commerchay of the Colours of the Colours of the Commerchay of the Colours of the Colo

and Water. See Hypromeration and Honey and Water. See Hypromeration at Fine, or final Satisfaction antiently given the King by the Bishops, that they might have Power to make their last Willy 3 and that they might have the Probate of other Micro, and the granten was the second of the Micro, and the granten was the second of the Micro, and the granten was the probate of other Micro, and the granten was the second of the Micro, and the granten was the second of the Micro, and the granten was the second of the Micro, and the granten was the second of the Micro, and the granten was the second of the Micro, and the granten was the second of the Micro, and the second of the Micro, and the second of the Micro, and the second of the second of the Micro, and the second of the second o

ting or animalitations. MULTAR GULAR, any Figure, or Body which bath many Angles, or pointed Corners. S e ANGLE. MULTILATERAL, in Geometry, is apply d to those Figures that have more than four Sides or Angles. MULTILATINOMIAL Ratts in Mathematics, are fact heaver composed of many Names, Parts, or Members, ass = 1-8

MULTIPLE, MULTIP

which comprehends fome other Number feveral times. Sec NUMBER.

See Nomera.

Thus 6 is a Multiple of 2 3 or, which is the fame, a is a quota part of 6 3 a being contained in 6 three times. And thus 1 is a Multiple of 6, 4, 3 3 and comprehends the 18 twice, the ad three, the 3 dour times, \$C.

MULTIPLE Ratio, or Proportion, is that which is be-

tween such Numbers.

If the lefter Term of a Ratio be an Aliquot Part of the greater; the Ratio of the greater to the lefts is call'd Maditiple: And that of the lefts to the greater Sub-multiple.

tiple : And See RATIO

See RATIO.

A do-mainfule Number is that contained in the Multiple.
Thus the Numbers, s, and y are dad multiple of a and yo.
Duple, Triple, Get. Renter y and Modd-duple of a and yo.
Duple, Triple, Get. Renter y and Modd-duple of the and you
Read to the See Duran, Tarras, Get.
MULTIPLICAND, in Arithmetic, is one of the Fathers in the Rale of Multiplication, being that Number given to be multiplied by your rest. The Multiplicator, or

Multiplier. See MULTIFLICATOR.

MULTIPLICATOR, in Arithmetic, a Number multiplied by another call'd rhe Multiplicand. See MULTI-

PLICAND. The largest Number is ordinarily made the Multipli-cand, and placed above the smaller, or Multiplicator; but the result is the same which soever of the Numbers be

the refult is the fame which lower of the Numbers be made Multiplicand or Multiplicates 5,4 times 5, and 5 times 4 making the fame Sum. See MULTIPLICATION. MULTIPLICATION, the Act of Multiplining or Lucra-fing the Number of any thing. See MULTIPLININ. Thus we say the Multiplication of the Lowesin the Wil-

dernefs.

The Romanifis hold a real Multiplication of the Body of Jefus Christ in the Eucharist; to that every Community and Body \$6.

or jets carts in the Eucoarit; to that every Communi-cant has a whole Body, §C. It is ordained and ettablished, that none from henc-forth shall give numberly Gold or Silver, nor use the Craft of Malriplication; and if any the same do, he shall incur This Statute was made on Prefumption that fome Por-

This Statute was made on Freiumpton that fome For-foors skilful in Chymiftry, could multiply or augment those Metals by Elixirs, or other lagredients; and change other Metals into very Gold and Silver. Under Henry VI. Letters nutrais into very toold and Silver. Under Henry VII. Letters
Patent were granted to certain Perfoxa (who undersook to
perform the lame, and to find the Philosopher's Stone) to
free them from the Penalty in the had Stature.
MULTIPLICATION, in Arthmetic, the Alt or Art of
malorphing one Number by another, to find the Product.
See Facourer.

Multiplication, the third Rule in Arithmetic, confills in the finding of fome third Number, out of two others given; wherein, one of the given Numbers is contained as

often as Unity is in the other. otten as Unity is in the other.

Or Multiplication is the finding what will be the Sum of any Number added to itfelf, or repeated as often as there are Units in another: So that Multiplication of Numbers is a compendious kind of Addition. See Addition.



Thus the Malipfication of 4 by 5 makes so, i.e. four times five amount to twenty's which Algebrailic expects. In Malipfication, the fift Pacific, i.e. the Namber to be multiplied, or Multiplicand, is placed over that whereby it is to be multiplied, if Ce Murraticans) and the Facilian or Probal, under both. An Estample or two will make the Process of Modification of the Probal of Modification o know the Sam of 259 multiplied by 8, or 8 times 259.

## Explication.

The Factors being difposed, and a Line drawn under-neath, (as in the Example) I begin with the Multiplicator that; 8 times 9 make 72, set down 2, and carry 7 tens, 28 in Addition; then 8 times 6 make 48, and 7 I carried, 55; fet down 5, and carry 5 5 latily, 8 times 2 make 16, and with 5 I carried 21, which I par down: fo as coming to number the feveral Figures placed in order, 2, 1, 5, 2, I find the Product to be two rhoutand one hundred firey

TWO See NUMERATION Now inpposing the Factors to express things of different Species, viz. the Multiplicand Men, or Yards, and the Multiplier Pounds; the Product will be of the same Spe-Product 511 10 6

Matuplier Pounda; the Produck will be of the fame Spe-cies with the Malpileston. More re Yarde multiplied by, 8 Pounda for Pence, is a 157 Pounda or Pence; fo many of their going not head 50 at the Ruse of 8 aprice. Hence the vail Use of Malpilestonia in Commerce, 55 cm. 10 at 10 as often as the next Figure of the Multiplicator flows, and foot. Thus \$21 \times 2 is quite to \$41 \times 2 is quite flow. The Product airling from each Figure of the Multiplicator, multiplied more the whole Multiplicator, to be placed by itself in fuch a maneur, that the first or right-hand Figure thereof may fitned under that Figure of the Multiplicator from which the faid Product airlier. For lastance \$5

This Difpolition of the right-hand Figure of each Pro-duct, follows from the first general Rule; the right-hand Figure of each Product being always of the fame De-nomination with that Figure of the Mulriplicator from which

it toffer. Thus in the Example, the Figure a in the Product 8 as, is of the Domoniantion of teas, as well as the Figure a in the Maliphizme. For 1 x as (for the Maliphizme), for 1 x as (for the Maliphizme) for the Maliphizme frageriffer the feether of the Fafforn have one or more Cypters on the right hand, the Maliphizme may be performed without regarding the Cypters, till they are to be then diffic! on the right and if the Maliphizme have Cypters intermed, they not the Maliphizme have Cypters intermed, they need not to be regarded at all, latinous of each follow.

Than much for an Idea of Multiplication, where the Multiplicate confift wholly of Integers is the Paxis whereof Via fuppled the Learner in approach of Learner in approach of the Carlo State of the Learner in approach of the Carlo State of the Learner in American Carlo State of Learner in Carlo State of the bead NEPAIR's Bones.

Where the Multiplicator is not composed wholly of Integers; as it requently happens in Bulinefs, where Pounds are accompanied with Shillings and Pence; Xards with Feet and Inches; the Methods of Proceedure are as follow .

First Meibad, Suppose I have bought 37 Ells of Cloth at 13 l. 16 s. 6 d. per Ell, and would know the Amount of the whole, — I first multiply 37 Ells by 13 l. in the common whole, — I first multiply 37 Ellis by 13 L. in the common Method of Mathiplication by Integers, leaving the two Products without adding 'em up; then multiply the fame 37 Ells by 16 L. leaving, in like manner, the two Products without adding 'em. Laffly, I multiply the fame 37 by the 64 the Product whereof is 222 d which divided by 113, (ice Division) gives 161.64 and this added to the Producks of the 161 the Sum will be 6105.64 the Amount of 3, Ells at 154.64 the All Lafily, the 6101.64 are reduced into Pounds by dividing 'em' by 201 (feo REDUCTION) upon adding the whole, the Amount of 37 Ells at 13 l. 16 t. 6 d. will be found as in the following

Stewd Method. Suppose the same Question 3 reduce the 13 L 16 L into Shillings, the Amount will be 276 s reduce 276 L into Proce, adding 6, the Amount will be 233 Multiply the 37 Elleby 3578, the Amount will be 233 Multiply the 37 Elleby 3578, the Amount will be 1237666 Multiply the 37 Elleby 3578, the Amount will be 1237666 Multiply the 37 Elleby 3578, the Amount will be 233 Mult 6 d. the Price of the 17 Ells, as before.

10.1.6.4, the frace of the 17 file, as before.
The by their row Methods any Medisplanting of the
The by their row Methods any Medisplanting of the
fall add a third much finite, by Alique and Aliques
Patrs: Obfering by the way, that Aliques Patrs (and the start of t

Aliquant Parts of a Pound of 20 1. Aliquet Parts of a Pound of 20 s. tos make half of 20 s. 3 s. an Aliquant Part compos'd of a 10th and a 20th 5 s. a fourth. a & a tenth-

7 s. of a 4th and a 10th. 8 s. of two 5ths. 1 s. a twentieth. 8. 10 five 5;th.
9. 10 fa ght and a 5th.
11 a. 07 a helf and a 5th.
12 a. 07 a helf and a 5th.
13 a. 07 a helf and a 5th.
13 a. 07 a helf and a 5th.
13 a. 07 a helf, a toth and 2 oth.
14 a. 07 a helf and a 5th.
15 a. 07 a helf and a 5th.
15 a. 07 a helf a 5th, and 10th.
17 a. 07 a helf, a 5th, and 10th.
17 a. 07 a helf, a 5th, and 10th.
18 a. 07 a helf and two 5th.
19 a. 07 a helf, a 4th, and 5th. 3 s. 4 d a fixth. 2 s. 6 d. an Eighth. 1 s. 8 d. a twelfth. 1 s. 4 d. a fifreenth. 1 s. 3 d. a fixteenth 10 d. a twenty fourth. 5 d. a forty-eighth.

To Multiply by Aliquot Parts is nothing else in effect but to divide a Number by 3, 4, 5, Sr. which is effected by taking a 3d, 4th, or 5th, Sr. from the Number to be multiplied.

To Multiply, v. g. by 6 s. 8 d. Suppose I have 547 Ells of Ribbon at 6 s. 8 d. per Ell.

The Question being Stated; take the Multiplicator, which according to the Table of Aliquot Parts is the third; and fay, the third of 5 is 1, fet down 1; the third of 4 is 1, and tay, the endre of 5 s. 1, ice down 15 methred of 4 s. 1, feed own 1, remains 1, that is, onc ten, which added to 7, makes 17, then the third of 17 is 5 3 remains 2 Units, i.e. two thirds, or 13 s. 4d. which place after the Pounds, Upon anothering the Figures 1, 1, and 5, Integers, and 15 s. 4d. the Aliquot Part remaining, I find the Sum

15.1. 4d. the Coopur 15.1.1. 4d. the would For Multiplication by Aliquant Parts: Sappoie I would multiply by the Aliquant Part 19.1. I first take for 17.1. half the Multiplicand 3 then for 5, which is the 4th 5 and 7 N lastly,

laftly, for 4, which is the 5th. The Products of the three Aliquor Parts that compose the Aliquant Part, being added together, the Sum will be the total Product of the Multiplieason, as in the following Example; which may ferve as a Model for Multiplication by any Aliquant Part that may Operation.

Multiplicand 356 Ells. Multiplier 191 178 l. for ten Shillings. 89 l. for five Shillings. 71 l. for four Shillings. Product 228 L A S

The Proof of Multiplicatum, is, by dividing the Product, or Factum, by the first Factor, or Multiplicand; if the Quotient be equal to the second Factor, or Multiplicator, the Operation is just.

the Operation is juli.

Opti MENTPILEATION, otherwife call'd Deodecimal Arthenets, is a very respections Mentled of Pitaliplying with a decision of the Control of the Cont

whole Sum makes 12 Feet 3 Inches. In she fame manner may you manage Shillings and Pence, &c.

MULTIFLICATION, in Geometry, or in Lines, is effected by Supposing a Line of (Tab. Geometr. Fig. 9.) called the Defembent, moving perpendicularly along ano-

ther he. ther be.

For by this means the Deferibent forms the Rechangle
a de bis and if it be divided together with the Drigger into
any Nomber of coult Parts, will by it Motion deferibe as
many little Rechangles as the Units in the Deferibent and
Driggert will produce when multiply'd into one another;
sets are, See Descanners, Edwards.

Some and the second sec

Product are all one in Geometry.

Now as in all Multiplication Unity is to one Factor as the other is to the Product, Multiplication in Lines may be

performed thus: Let ab  $(F_{i}, t.c.)$  be to be multiply'd by a d: make any Angle ar plesfure; on one of the Legs fet off a a = to Unity; and on the fame Leg fet off a d, the Multi-plicator (s); then fet the Multiplicand a b (s) from aon the other Leg off the Angle; b traw b, and parallel to it through d, draw d a, (s). I fay, d e or a, is the Pro-dukt; for a a a d a: a b: a b: a

MULTIPLICATION of Plants, for FORCUNDITY of MULTIPLYING, the producing of one's like. See

PRODUCTION. PRODUCTION.

Mankind multiply'd at a prodigious Rate before the Flood, (fee Propering). Rabbits, Fifth, and most Infects multiply incredibly. The fingle Milit of a Cod, examind with M. Lexamberks Microcoper, was found to contain more Ora than there are Animals on the Face of the

Sec Insect, &c. M. Dadart has feveral Difcourfes on the Multiplication of

M. Dodart has feveral Diffourfet on the Multiplication of Plants in the Momers of the Royal Academy of Sciences. He has examin'd the Beech-Tree particularly with this view, and found it to furpais all Imagination. See FORGENDITY. MULTIPLYING, in Arithmetic, is the fading a Number which contains the Multiplicand as often as there are Units

which contains the Modifiliered as often as there are Units in the Multiplier. See MULTIFLEAN, PE.

The Rule of Three confils in Multiplying the third Term by the fectord, and dividing the Product by the first. See Rule of Three.

firft. Sec Rule of Three.
Multiples of Gelfs, a Lens, or Glafs in which Objects
appear increafed in Number. See Lins.
A Mainfping-Glaf, call'd also Polyhedows, is a Glafs
form'd or ground into feveral Planes, or Faces, making
Angles with one another; through which the Rays of

Light iffuing from the fame Point andergo different Re-fructions, so as to enter the Eye from every Surface in a different Direction 3 as if they came from several Points. And thus the same Point is seen in several imaginary Foci ; and therefore appears Maltiply'd. See REFRAC-

For the Phenomena and Laws of MULTIFLYING-Glaffer fee Polyhedron

MULTISILIQUOUS Plants, are the fame with Corniculate Plants, viz. those which, after each Flower, have diversediflinct, tiender, and frequently crooked Silipae, or Pods, wherein their Seed is contain'd; and which when they ripen; open of themselves, and let the Seeds drop. See Connt. CULATE and SEMINATION.

To this Class belong the Bears-Foot, Columbines, House-

To this Clais belong the Hears-Foot, Columbanes, Houte-Leck, Maripolds, &c., MULTITUDE, MULTITUDE, an Affemblage, or Collection of a green Number of Things, or Perfons or, more Briefly, Malaitande is the Abitract whereby things are faid to be many.

In which Sense Multitude may be confider'd as Number-See NUMBER.

See Nomber.

Multitude is opposed to Unity. See Unity.

In Law, forme will have Multitude to imply at least ten
Persons; but Sir Edu. Code says, he could never find it
restrain d by the common Law to any certain Number, but
always left to the Discretion of the Judges. A MULTO Fertiors, or a minore and majus, is an Argument often used by Littleton. The furce of it is thus: If

it be so in a Feoffment puffing a new Right; much more is it for the Restitution of an antient Right. Coke on Little-

is first the Rediffusion of an antent regist. \*\*One One Accession, Old 251 N. Actionetts, It A Age one, Bong, Consens, Old 251 N. Actionetts, It A Age one, Bong, Consens, Old 25 N. Actionetts, It A Age one, Bong, Consens, Old 25 N. Action 19 N. Action

med Noes for this Liquor, is satellows:
Take of Gulom of Water that has been boiled to the
Take of Gulom of Water that has been boiled to
Whetune Malt, one Buffel of the Waltheren Baileds of
Whetune Malt, one Buffel of the Waltheren Baileds
for Guned Beens, when it is moral, de nor the Hoffendow
been full as full, and as foon air begins to work, pair into
Berkel Pound, Corona Beenchittes a Handish Forest Gulon
Rofa Sols, one Handish of two, Barrett, Betony, Marjoffel and as halfy of Editor, Pawers, 1987, or can be 1 Handish
Social of Cardinum braifed to Chaece, Burberries braifed
one Chaece; part the Hefra was Rocke in the Vetfel when
Corona and the Hefra was Rocke in the Vetfel when
the Chaece in the Hefra was Rocke in the Open James and
dede, I at the Liquor work overthe Vetfels as Hirth 2, any
better than the Chaece of the Chaece
of the Chaece of the Chaece of the Chaece
of the Chaece of the Chaece
of the Chaece of the Chaece
of the Chaece of the Chaece
of the Chaece of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Chaece
of the Ch

The Preparation of Mammy is of fo old a standing, that it

The Preparation of Moneys just for hold a funding, that it was in his fixely factor the time of Moje. The Coffini which the Moneys is consided as of Syxamore Wood, which it was the most of the Moneys is consided as of Syxamore Wood, which it was registered from our Syxamore.

Moneys is find to have been dirth brought into of its Mothers by the Midler of a Tomod Preference, who were on the Money by the Midler of a Tomod Preference, who were the Money that the Money of the Money in the Money as more than the Money of Money into Zeneys as much no public of Moneys into Zeneys as much no public for the Money into Zeneys as much no public models. The Money is a Money as more description of Moneys into Zeneys as much no public for the Decoded, but the Composition whereastly it is in combinated.

Property speaking, washing is not the related of the De-ceased, but the Composition wherewith it is emballed is but in common use Monoray is also used for the Body. There are two kinds of Bodies call'd by the Term

Monumy.

The first are only Carcastes, dried by the Heat of the Sun, and-by that means kept from Purtriction pre-quently found in the dry Sands of Lybis. Some fay, they are the Boiles of deceased People buried there on purpose to the Carcastes of the Carcastes of Travellers, Esc. over-whelm d with Clouds.

the Carcsision a travellers, Ec. over-whelm of with Clouds of Sand rais d by the Hurrianess frequent in these Defarts. Be that as it will, these Messesier are of no use in Medicine, and are only preserved as Cariofities.

The second kind of Manumeter are Bodies taken out of the

The tecond kind of Managare are notice taken out of the Pris, or Carsonombs near Zeins, wherein the Egyptians depo-fitted their Dead after Embalming.
'This his makes the Association valued, and to which fuch extraordinary Virtues are afteribed.

"Tis faid, that all the Massey fold in the Shops, whether brought from Fenice or Lyons, or even directly from the Lesson by Alexandria, is tactitious, and the Work of cer-Lewine by Jelesandrius, in Statitions, and the Work of country was becoming the Value the European feet on the many few, who becoming the Value the European feet on the Covens, after having prepared 'em win Dale of Mayro, Caballin Alons, Pennip Finch, black Fireh, and other courfe or unwholdeforce Drugs.

It feeting, have likewife government of the Covens of a Perform hand, they are the Britain and Entralia, by the red in an Orea, fleeping is in Pixeh,

and other Drugs. And this they fell for right Egyptian Manny.

Parans has a very carious Treatife of Memmies, wherein he flews the Abufes therof 3 and makes it appear that they

can never be of any real medicinal use.

Matthiolas is of the same Opinion, after Serapism. Both these Authors take even the Experion Mammies to be no more than Bodies embalmed with Pulasphaltum.

Mummer, Manuer, is particularly used for the Liquor, or Jaice oozing from human Bodies Aromatized and Embalmed; gather'd in the Sepulchres. This is the Manuery

Issimed; a gubar'd in the Squidree. This is the Mompe chiefly pile, of smoon give autions Writers.

Me survival for Medical Dway, or a virious Computi-tion partialing of Municipal Dway, or a virious Computi-tion partialing of Municipal Municipal Country of the East. Dwale of the Country of the East Dwale of the Country of the East Dwale of the Country of the East Dwale of the Country of the Country of the East. Dwale of the Country of the East Dwale of the Country of the Country of the East Dwale of the Country of the Country of the Country of the Mountries, and there eastly by the Country of the Mountries, and there eastly the Country of the Mountries, and there eastly the Country of the Mountries, and there eastly the Mountries of the Mountries Mountr

it is call'd Piffopholite. See PISASUIALTUS.

Menage, after bachert, derives the Word Manney from the
Avalue Manna; of Mann, Wax. Salmafins from Annue, a

Arabic Jassus; or rosses; wax.
kind of Perfume. See Anonyus.
Tho others hold, that in the Arabic Tongue, the Word
Annia fignifices Body Embalmed, or Aromatized.
MUMMY is alfouled by fome Physicians for I know not

what implanted Spirit, found chiefly in Carcaffes, when the

what implanted Spirit, found chiefly in Carcaffes, when the influed Spirit is field.

The influed Spirit is fometimes also call'd Mommy in Hiving Subjects; and both the one and the other are sup-posed to serve in Transplantation.

A Plant, for instance, bringing this Momin from one Subject to another, the Mamin joins and unites itself im-mediately, and colore with the Mamin or Spirit of the new mediately, and colore with the Mamin or Spirit of the new Subject 3 and from this Union arifes a natural and common Inclination between the two Subjects.

Inclination between the two Subjects.

And on this Principle they account for Sympathetic or Magnetic Cares. See Sympathetic, Magnetic Cares. See Sympathetic, Magnetic, Green Wunshay is also used among Gardenous for a fort of Wax used in the Planting and Grasling of Trees. See Galbert

FING Wax

FING DWS.

Agricula directs the Preparation thereof as follows: Take
one Pound of common black Pitch, and a quarter of a
Pound of common Tarpentine; put "em together in an
Earthen-Pos, and fer 'em on the fire in the open Air, baying fomething in your Hand to cover and quench it in time the Matter to be thus alternately lighted and quench'd till all the nitrous and volatile Parts be evaporated. To this a little common Wax to be added 3 and the Composition to be fet by for use.

To apply it in the draffing of the Roots of Trees, melt it, and dip in the two ends of the Picces of Root one after it, and dip in the two ends of the Pieces of Root one after snother; then put 'em in Water, and plant 'em in the Earth, the 'fmall' end downward, fo that the larger may appear a little way out of the Earth, and fo have the bene-fit of the Air; then prefs the Earth hard down upon 'em MUNDICK, a Marchaftre, or Mineral Globe, found in the Tin Mines, fometimes white, fometimes yellow, and

at other times green. See MARCHASITE.

It is frequently call'd Masy; and appears to be nothing elfe but a kind of Sulphur; Fire alone being found to fe-

parate it from the Tin, in which case it evaporates into Smoke. See Tin.

parate it from the 1th, in which cate it evaporates mos Smoke. See The is casily diffinguished by its brown, Idad-colourd Guittering, and by its difcolouring the Fin-gers. Some fay it feeds the Tin, and yet allow that where there is much Naturley, the illustrate in Tin. MUNDIFICATIVES, in Medicine, Cleanfers; Medi-cines, or Unguents, that deterge, and dry, and thus cleanfe Ulcers of two kinds of Matter, viz. Pas and Senier. See

ULCEA.

The chief Ingredients in these Unquents, are Gentian, Ariftolochia, Engla Campana, and Vulnerary Herbs. See

MUNDUS, World. See WORLD.

MUNICIPAL, a Term in the Roman Law, fignifie having the Rights and Privileges of Roman Citizens This Title the Romans frequently bestow'd on foreign

fignifying

Cirics and People; and in effect, it was little more than a Tale.

MUNICIPAL Cites, MUNICIPIA, according to Mariana, came fornewhat flort of the Privileges of the Colonies See Colonies.

They had no Suffrages or Votes at Rome. They were left to be govern'd by their own Laws and Magistrates.

"Tes true, some se y their own Laws and bragintares.
"Tes true, some sew Manucpul Cirics, by particular Merit, Sc. obtain'd the Laberty of Votes; which occasion'd that receiv'd Distinction of Manucpum sine Suffrago, S. Минтегрини сов They were fo call'd, because Maneris bujus bonorarii par-

tierper; but by Manus bonsearium, was meant no more than the bare Appellation of a Reman, was meant no more than vileged to fight in a Legion, as Denizens; and nut in auxiliary Bands, as Affociates. See CITIZEN. The first who had the Honeur, were the Ceriter.

MUNICIPAL, among us, is now understood of the Customary Laws that obtain in any particular City, or Province 3 and which have no Authority in the neighbouring Places.

MUNICIPAL Officers, are those elected to defend the Interests of Ciries, their Rights and Privileges, and to main-tain Order and Policy; as Mayors, Sheriffs, Confuls, Bailiffs, &c. See Office

Int. Spain, the Manicipal Offices are bought. In England, they come by Election.

MUNIMENTS, or MINIMENTS, the Evidences or Writings, whereby a Man is enabled to defend the Title of the 1999.

his Effate. See MUNIMENT-Howle, Wangford fays, the word Maniment includes all manner of

Evidence.

MUNIMENT-Howfe, a little, strong Apartment in Cathedral and Collegiate Churches, Catiles, College, or the like, delition for Keeping rise Scal, Evidences, Charters, Gr. of such Church, College, Gr. call'd Monments, or

The Word is form'd of the Latin Manie, I defend. MUNIMINA, the Grunts, or Charrers of Kings and Princes to Churches; fo call'd, because comes maniantar against all those who would deprive them of those Privilcoes

MUNIONS, in Architecture, are the fhort apright Pofts or Bars that divide the feveral Lights in a Window-Frame-Sec WINDOW.

MUNITION, or Ammunition, the Provisions where with any Place is familited in order for defence; or where-with a Vellel is stock'd for a Voyage; or that follow a Camp for its Subfiftence. See AMMUNITION.

MUNITION-Bread is the proportion of Bread diffributed every day to the Soldiers of a Garrison or Army. Each Officer is allow'd so many Rations of Manition-Bread, Seq RATION

MUPHTI, or MUFTI, the Chief, or Patriarch of the Mahometan Religion, refiding at Confiantinople. See Ma-HOMETANS.

The Maphri is the fovereign Interpreter of the Alcoran, and decides all Quettions of the Law. See ALCORAN, &c. He takes place of the Bashaws 3 and his Authority is often terrible to the Grand Signior himself. "Tis he girds on the Sward to the Grand Signior's fide; which Ceremony answers to the Coronation of our Kings. MURAGE, MURACIUM, in our Cuftoms, a reasonable

Toll to be taken of every Cart or Horse coming laden a City or Town for the Building or Repairing the Walls MURAL, formerbing belonging to a Wall; which the

atins call Murus. Sec WALL. MURAL Crown, among the antient Romans, was a kind of Crown indented a top, like the Battlements of a Wall. See CROWN.

The Mand-Crown was the Reward of those who first mounted the Walls of the Enemy; whence it was also call'd Corons objidionalis.

call'd Corona objutomatic.

Mural Arch is a Wall, or walled Arch placed exactly in the Plane of the Mendian, i.e. upon the Meridian-Line; for the fixing of a large Quadrant, Sextant, or other Inframent, to oblerve the Meridian Altitudes, E. of the headvenly Bodies. See MERIDIAN-Lineaud MERIDIAN-Aitinde.

Tyche de Brabe was the first who used a Maral-Arch in his Observations; after him Mr. Flamstend, de la Hire, &c. used the same means. See Observations. MURENGERS, two Officers of great Antiquity in the City of Cheffer, being two of the Principal Aldermen chofe yearly to fee the Walls kept in good Repair, and to receive certain Toll and Cuftom for the Maintenance thereof.

MURING, the Walling, or raifing the Walls of a Buil-

MURINU, the Walling, or rating the Walls of a Building. See Walt and Walt-Indiny.
MURRAIN, Garylt, a Mortality, or contagious Difensomong Beals. See Mox rat. 111.

Morraint are occasion of various ways, but principally by a bot, dry Sealon 3 or rather by a general Partefalking of

MUS (600) MUR

the Air, which begets an Inflammation in the Blood, and a Swelling in the Threat, which foon proves Mertal, and is communicated from one to another.

communicated from one to another.
The Symptoms are generally a humping down and freching of the Freak, arthing in the Probability of the Freak and the Probability of the Freak and the Probability of General Holland and General large corrupted Spleens, sphacelons and corroded Tongues, gard to their own Health, were infected by 'em, and died like the Beatla.

Some imagine it had its Rife from noxious Vapours thrown out of the Earth in three diffined Earthquakes perceiv'd in the Neighbourhood of the Place where it began: ceiv'd in the Neighbourhood of the Place where it began: The Dr. Sider erather thinks it owing to Swarms of voltable Infects. The Antidore for the Sound, and the Medicine for the Sick were the fame, eise. Equal Parts of Soot, Com-Powder, Brimflone, and Salt, with as much Water as would with it Jone a Sponghation Defe

wash it down, a Spoontul in a Dosc.

MURREY, in Heraldry, a purple Colour, call'd also
Sengain. See Sanguin.

MURTHER, Hamicide, the Act of killing another with Violence, Injuffice, and Effusion of Blood. See Homicide. Among the number of popular Errors, is the Norien which has obtain'd, that the dead Body would bleed in the Prefence, or upon the Touch of the Murtherer.

The Crime of Marther is punish'd with Death in almost all

Sec PUNISHMENT.

lations. See Funtshalens.

In our Law, Mariber has a peculiar import, so as to dete a wilful and felonious killing another upon prepented
lalke, whether secretly or openly; and whether English

manner, whether tecretly or openty; and whether English Man or Foreigner, living under the King's Protection.

This prepented Malue, which makes the Effence of Marsher, is twofold 3: Especi, where it may be cridently proved that there was ill-will. S. When one kill-leth another fuddently, he having northing to defend bimfelf, a noise over a Sille and have the Company of the Comp as going over a Stile, or the like. For in tuch a Cafe, or when a Man killeth a mere Stranger, the Law prefument he had Malice against him, or else that he would not do it without any manner of Provocation.

The Word is form'd from the Saxon Morth, which fome will have to fignify a violent Death 3 whence the barba-rous Latin Mordrom and Mordrom. Sometimes the Saxons express to by a Word which imply'd a death Work. In the French 'its call'd Meurre, in Spanish Meuretre, and in

In the Frence 'to call to assure, in a years, the fine the English Mantas field long before the Reign of K. Cametas y.

The Word was field long before the Reign of K. Cametas y.

The Word was first the Saxon Morth fignifies a violent Death, but Death in general.

Formerly, indeed, Morther was reftrained to a clandestine Killing. Thus, Marketus bome antiquitus dicebatus, esist In-terfeller nefelchatur shiesompac vel quonodosompac effet Inventus. None adjordium off, lette fastur spil Mardeum feets; bonist-dam per praditionen. Lega Hen. I. Alberian Reposac propriu manilus per praditionen Interfecis, pefinio Merit genee quid Anjh Durdreum appellom. Diatth. Patts, An. 126.

Self-MURTHER, is otherwife call'd Sciente. See Sur-

MURTHERERS, or MURTHERING-Pieces, are fmall Pieces of Ordnance, either of Brafs or Iron, having Cham-bers. (that is, Charrer made of Brafs or Iron) put in at their ers, reeches. See ORDNANCE.

They are mostly u(ed at Sea at the Bulk-Heads of the

They are mostly steed as sea at rate bulk-racas of the Fore-Caffle, Half Deck, gie, in order to clear the Decks when an Enemy boards the Ship.

MUSCADINE, a rich white Wine, of the Growth of Prosence, Lampachee, Crisidad, gie. See Winz.

The way of making Majorador at Frontengen is as follows:
They let the Majorador Grapes grow half dry on the Vine 3 as foon as they are gathered, they tread and prefs them im-mediately, and tunn up the Liquor, without letting it find, and work in the Far; the Lee occasioning its goodness.

The Word, as well as the Liquor, is French. Some fetch its Original from Mach, the Wine being supposed to have a little of the fmell of that Persume; others from Majore, a Fly, because the Flies are extremely fond of its Grapes ; as the Latins had their Vinam Apianum, so call'd ab Apibus, from the Bees which fed on it.

MUSCLE, Muscutus, in Anatomy, a fleshy, fibrons Part of the Body of an Animal, deflined to be the Organ of Motion. See Morron.

The Majele is a bundle of thin, parallel Plates; and is divided into a great number of Fasciculi, or little Majeles,

each inclosed in its proper Membrane, from the internal Surface whereof, pals an infinite number of transverse Fila-ments, which interfect the Mofele into several driffind Areas, fill'd with their respective Fasciculi of Fibres. See FIBRE A Mofele is usually divided into three Parts, the Head, the Tail, and the Ecly.

ne sail, and the Evy.

The Head and Tail, which are also call'd Tendons, are the
two extremes of the Majele's whereof the first is fix'd to
the flable part, and the latter to the part intended to
be moved. See Tannon. The Venter or Eelly is the body of the Msfele, being a thick, fiethy part, into which are inferred Arteries and Nerves, and out of which issue Veins and Lymphaducts.

All these parts of a Muscle, the Belly and the Tendons, are composed of the same Fibres: Their only difference confills in this, that the Fibres of the Tendons are more closely and in this, that the Fibres of the Tendons are more corety and firmly bound together shan those of the Belly, which are more looke. Hence in the Belly there is room for a fail-tient Quantity of Blood to give cm an Appearance of Rederia; and the Whiterest of the Tendons only proceeds from the Blood's being in forme mension excellence when the institute of their Conceiver. The difference then y the tighteets of their Contexture. The difference then that is between a Skein of Thread, and a Cord made of the fame Thread.

All the My'cle act by having their Bellies inflated or well'd; for by that means they are floreer'd, so as to draw, or press the folid Bodies to which they are failen'd, according to the direction of their Fibres. All the difficulty then in Majorlar Motion, is, to affign their Fabric, and the Caufe

of their fwelling.

Every fimple Mufele, then, confitts of one fleshy Belly, and

two Tendons; but may be again divided into others Simil tho lefs; and those again into others fill lefs, yet fill Si-milar to the great one: Which division may be carried on to a degree of Subtility that exceeds all Imagination ; tho 'tis reasonable to think it must have an end. That last, therefore, being Similar to the first, must, in like manner, have its hely and Tendens; and this is what we ordinarily

call a Majoular Fibre, in an Aff mblage or Union of feveral whereof, a Majole, properly fo call'd, confilts. Some take the Majoular Fibres to be Productions of the Arterics and Veins, or the Capillaries of those Vessels inofcache other, and continued to each other; by the intume-frence of whose Contents, the Extremities are drawn nearer each other, and by consequence, the Bone to which the each other, and by contiquence, the Bone to which the moreable part is fixed, approximated to the other. Bue that they are, in truth, neither Venous, nor Arterious, nor Lymphatic Veiffle, is evident from the laft Obfervation. Whether they are Veificular 1, or whether they only conflit of fingle Threads, may be till a Queltion. Dr. Bornbury, from a confideration that the Nerves enter

every Mufele along with its Veins and Arteries, and that there laying afide their outer Integument, they are fo diffributed thro the whole Body of the MyCle, as that no one Point can be affigued wherein a part of cm is not found; that those be affigued wherein a part of 'm' in not found; but those
Nevera terminate here; and that in other parts of the Body
the Earterminize of the Nerves are expanded, as it were,
not the state of the Serves are expanded, as it were,
not become the state of the state of the Serves
that the state of the Serves of the Serves of the Serves
that the Serves of the Serves of the Serves
the Serves of the Serves of the Serves
that the Serves of the Serves of the Serves
that the Serves of the Serves of the Serves
that the Serves of the Serves of the Serves
that the Serves of the Serves of the Serves
that the Serves of the Serves of the Serves
that the Serves of the Serves of the Serves
that the Serves of the Serves of the Serves
that the Serves of the Serves of the Serves
that the Serves of the Serves of the Serves
that the Serves of the Serves of the Serves of the Serves
that the Serves of the Serve

Membrane is extremely flender and persons within, full of Oil, which is accumulated in time of Reft and front in Motion, furnished by the Arteries; and this Oil, in conjunction with a fmooth mucous Juice feereted by fmall mu-cilaginous Glands, interfeerfed among thefe Fafciculi, ferves to lubricate the parts, and preferve the Fafciculi from

fretting on each other-

Now, befides the Nerves, there are Arteries also carried into the Mufeles, and those in such abundance, and of such into the Mufets, and thofe in fach abundance, and of fach, concexture, that a Man might be inclined to think the whole Body of the Mufet composed of 'em. Thefe are reprinciplly diffusionate among the Fasticuii, and the Mennemptal Composed of the Manney o Florille may again either terminate in the Cavity of the Ner-woas Mufcular Fibres, or make others like 'em. This, at least', is clear, that every Branch of an Arrery in the Modelet has its corresponding little Vein, which united to the other, increases its Bulk; whence the Bloed-Vessels of the Modelet are also Lymphasites. Of two such Modelet are been described, fasten'd in

opposite Situations to each other, most of the Mafeles, we

know of, confift.

It has been streamly observed, that the Tendone of a before constituted in the form of the forme Number of Fibres with the before triefly constituted in the former with the before triefly constituted in the fibres with the before triefly constituted in the fibres with the before triefly and the constituted in the fibres of the fibres of

breaking. They are always in a degree of a lander, coduced with a contractive Force; fo that when cut alunder, the Ends fly back from each other; and then they become the Ends fly back from each other; and then themselves florter, their Bulk is leften'd, and they contract themselves into a wavy undulating kind of Surface, and throw off their Violence, are ever opposing their Elongation, ever endeavou-ring to fhorten themselves, but more in a live Body than a roper Juices. Hence it appears they are always in a trate of dead one; and therefore require Antagonists. 2. If the Cerebrum be strongly compressed, or have any violent Contuben; if it be suppurated, obstracted, or torn, the voluntary Action of all the Musices immediately ceases, as Continue, of it he luppaired, obtrached, or orn, the well asill sorie and Nemery a however the fromzensa well asil sorie and Nemery a however the fromzensa Atlan of the Middle in the Heart, Langs, the Fifers, being make in the Crivellum, the Addies of the Heart Langs, and Life infell, coeffect when yet the Vermi-calls Reline continues I topic true size in the Vermi-calis Reline continues I topic true size in the Vermi-calis Reline continues I topic true size in the Vermi-cal Society of the Crivellum, and the Continues of that Middle, and Viral and Ventury, inmendiately cardie, Middle, and Viral and Ventury, inmendiately cardie, which were the Continues of the Continues of the Middle Society of the Continues of the Continues of the Middle Society of the Continues of the Continues of the Middle Society of the Continues of the Continues of the Middle Society of the Continues of the Continues of the Middle Society of the Continues of the Continues of the Middle Society of the Continues of the Continues of the Middle Society of the Continues of the Continues of the Middle Society of the Continues of the Continues of the Middle Middle Society of the Continues of the Continues of the Middle Middle Society of the Continues of the Continues of the Middle Middle Society of the Continues of the Continues of the Middle Middle Society of the Continues of the Continues of the Middle Middle Society of the Continues of the Middle Society of the Middle Middle Society of the Continues of the Middle Society of the Middle Middle Society of the Middle Society of the Middle Society of the Middle Middle Society of the Middle Society of the Middle Society of the Middle Middle Society of the Middle Society of the Middle Society of the Middle Middle Society of the Middle Society of the Middle Society of the Middle Middle Society of the Mi The Tendon of a Musice in Attion does not undergo any fanfishe Alteration, but the Belly Montreas, becomes hard, pale, fwoln, protuberant; the Tendons are approached nearer, and the more moveable part filleral of the Tendon, is drawn towards the other lefs moveable; which Action of a Musice is called its Contration, which is must greater and through than inberent Contration observations. ved ander the first Phanomeson 3 and therefore is not na-tural, but superadded. 8. The Tendon of a Mujele on in Action, is fill the fame; but the Belly softer, redder, laxer, longer, and flatter; and this state of a Mujele is laxer, longer, and flatter; and this state of a Mojele is call'd its Relianion, the it is usually owing to the con-trary Action of its Antagonist; for that being feastrated, the Contraction of the other continues, as not being balan-ced by the Action of an Antagonist. 9. If one Antagooist termain at Rest while the other is in Action, the Member in that case will be bent; if both act at the same time, it will be fix'd and immoveable; if neither act, it will be in-different, and ready to be moved whither the least excess shall 10. All thefe Changes mentioned in the 7th, 8th, cury in . 20. All the'C Changen measineed in the "thi, 'Sth, and shi Article, a represented in the 'mailed Minence of and shi Article, a represented in the 'mailed Minence of Time, and in the whole Molifest once; fo that they can the 'mailed Minence of the 'mailed Minene of the 'ma the Flexer Abs/ce of that Member affumes a flate of Con-raction, as it is also day his proper Motion 5 in no real no-genber to Itenouvally. 4. The Will remaining indifferent, all the volumnary Majcles, and all heir Vetfels are equally full, and moved by the Blood and Spirits equably convey of very and that throughout the whole Body at one or to real, and that throughout the whole Body at one, or, or, summing for the great Phenomenon of Majclad Mason, (co

MUSCULAR Motion.

As the Mufaular Fibres, or, which comes to the fame, th As the Mofestar Index, or, which comes to the Jame, the Fafficial of Modeslar Fibers, have not always the fame Si-tuation with regard to each other, nor run in the fame di-rection, but formetimers run parallel to themselves and their Tendous 5 and are fometimes disposed obliquely both to their Tendous and to each other; hence there arises two different kinds of Mofesta.

The one Direct and Parallel, which fome call Simple

Mufeles, The other Inclined, or Oblique; call'd Compound Mufeles.

Under the first of these kinds are included several other Species 3 for, fielt, Either the fleshy Fibres run firait from one Extreme to the other, as in the Satteries, Se. or one Extreme to the orner, as in the Souteries, Sec of are turn'd into a Circle, as in the Sphinders of the Bidder, and Anus 3 or twilled into a Spiral, as in the Oxforbase; and Anus 4 or twilled into a Spiral, of the Oxforbase, and Anus 5 or twilled into a Spiral, of the Oxforbase, and Aprile. See Nacur, Oxforbase, and Oxforbase, and Oxforbase, and Oxforbase, and Oxforbase of the Oxforbase of t

the various Angles which the oblique Fibres make with the Tendons; fome inclining equally to each Tendon, fo as to form a Rhombus, or acute angled Parallelogram with 'em, the Muscles are hence call'd Risandondales, others rising from the nutries are neue cast of Repostonalities others ring from two parallel Tendons, are inferred obliquely into one com-mon Tendon, as in the Burps of the Hand; others, laftly, arting from the Periphery of the Circle, concur in a Centre, and form Mofiles call'd Radioss. See Rimoscorna, Ranging the Ranging Company of the Circle, concur in a KADIMUS, &C.

There are divers Species, and Divisions of Mefeler. There are divers Species, and Divinous of Anglets. Some Authors dillinguish them into Mefeles of Voluntary, and of Involuntary or Natural or Newflery Mater. The Mefeles of Involuntary, or Newflery Materia, have their contracting and extending Powers within themselves, and

contracting and extending Powers within themfelves, and have no Antagonitt; fuch are the Heart and Lung Supposed to be. See Haant and Lung Supposed to be. See Haant and Lung Supposed Committee Majeleta, and which are those we have here chiefly regard to, have each of 'ent their Antagonit Majelet, which are the supposed to the suppos act alternately in a contrary Direction; the one being stretched and extended, while the other is contracted at the

itrethees and extended, white the other is contracted a time Morion of the Will. See Morra. The Myldr have also different Names from their different Adions, Straton, Forms, Ee. Thofe which ferre to move the farme Members contrary ways, are call'd how the contrary ways, are call'd how the contrary to the farme Adion, Februs, or the farme Adion, Februs, or the farme Adion, Februs, or Displicits are the which have two Bellies; Displicits are the which have two Bellies; Displicits are the which have two Bellies;

Diginist are those which have two detices; languines thefe with three. See Disastrate.

Sphanders are those declined to shar feveral Apertures and Passages in the Eady 1; as the Major at the Neck of the Bladder, and that of the Ames, which have the fame Effect with the String of a Purse to close those Parts. See

SPHINCTER. Some Mofeles have two or three Heads, call'd Biceps and

Triceps. Sce Bickers, Tricers, &c.
We call Elevators these which lift up or raise the Parts;
Depresson these which move 'em downwards. See Ele-TOR, Ea

văroa, the Renor that who bend 'em; Enrasfer thofe which fireth, 'tem one; dédater shofe which more the Paris inthe control of the control

beider, Scalensus, Trapezius, Gc. Sco Deltoides, Sca-LENUS, TRAFEZIUS, &c.

Anatomitis are not agreed on the Number of Majeles in the human Body; some reckon 529; some 446; and o-thers only 435. The Calculus, according to these last, is

as follows:
Two of the Forehead; two of the Occiput; fix of the
Eye Lists; revelve of the Eyes; feven of the Nofe; sighted
Eye Lists; revelve of the Eyes; feven of the Nofe; sighted
Lists; eight of the Toogae; four of the Palate; fourteen
Lists; eight of the Toogae; four of the Palate; fourteen
of the Laryos; feven of the Flarguns; tenot five of Hysical
des; wellve of the Under-Jaw; fourteen of the Head;
des; wellve of the Under-Jaw; fourteen of the Head;
designed of the Under-Jaw; fourteen of the Under-Jaw;
designed of the Under-Jaw;
de cipit of the Neck3 cipit of the Omephates ecipites of the Arms; twelve of the Elbows; cipht of the Radii; welve of the Capit; forty cipht of the Fingers, fifty feets of the Capit; forty cipht of the Fingers, fifty feets of the Plants; fort of the Plants; four of the Plants; forther of the Names and Officer of Toes. The following Table of the Names and Officer of the Feets of feet; four of the Plants; four of the Plants of the Names and Officer of Toes. The following Table of the Names and Officer of the Feets of the Names and Officer of the Names and Officer of the Plants of the Names and Officer of the Plants of the Names and Officer of the Names and Officer of the Plants of the Names and Names of the N

A TABLE of the Muscles from Dr. Keil

Fruntales, they pull the Skin of the Forchead upwards. Occipather, pull the Skin of the Hind-head upwards. Ansilens Josephannes Josephannes Josephannes Josephannes Josephannes Josephannes Josephannes Josephannes Molteli, relaxes the Tympanson. Externs Molteli, relaxes the Tympanson.

Mufculus Stapidis, moves the Stirrup. Corrugator Supercilii. Leffus Palpetra inperioris, lifts up the upper Eye Lid.

7 0 Atto long Deprimens AbduSor AdduSor

Obliques major, pulls the Eye forwards, and obliquely downwards.

Obliques miner, pulls the Eye forwards, and obliquely upwards. Atrollens Dilatans Deprimens

Incificus, pulls the upper Lip upwards. Triangularis, pulls it downwards.

Caninus

Centinue

Electore: Labit inferioric Spull the lower Lip upwards.

Remoter: Labit inferioric Spull the lower Lip upwards.

Zygematicss, draws both Lip obliquely to either fide.

Oblication, draws both Lips together.

Boccinater, thruffs the Meat between our Teeth.

Businessey, though the Mich Delween our Techn.
Temperall 2 pall the jaw upwards.
Temperall 2 pall the jaw upwards.
Principalisa netterns, draw the jaw to chindred fide.
Principalisa netterns, draw the jaw forwards.
Principalisa netterns, draw the jaw forwards.
Degitimen, pallich the jaw downwards.
Principalisa netterns, pall the Urula backwards.
Principalisa netterns, pall the Urula backwards.
Generalisa, pallic is not the Month.
Centralist, pallic is not the Month.
Centralist, pallic is not the Month.
Centralist, pallic is not the Month.

forwards forwards
Strendysders, pulle the Or Hysides downwards.
Midbywiden, pulle is obligably upwards.
Midbywiden, pulle is obligably upwards.
Sylebys den, pille is to either fide, and fomce has upwards.
Sylebys men, pilleth up, and dilateth the Phrymar.
Sylebys men, pilleth up, and dilateth the Phrymar.
So mellypridens, pulleth Upyards downwards.
So mellypridens, pulleth Upyards downwards.
So mellypridens, pulleth Upyards downwards.

Cricoarytanoidaus Poficus.

Cricarytaneideus Lateralis.
Thyrotrytaneideus, dilates the Glottis.
Arytaneideus, contracts the Glottis.

Sylvains Smove the Head backwards, Complexes Smove the Head backwards, Relias major Snod the Head backwards.

Obliques inferior
Obliques inferior
Majorident

Page 1 Majorident

Page 1 Majorident

Page 1 Majorident

Page 2 Majorident

Page 2 Majorident

Page 2 Majorident

Page 3 Majorident

Page 3 Majorident

Page 3 Majorident

Page 3 Majorident

Page 4 Majorident

Pa

Relius internus major } nod the Head forwards. Reflus Lateralis, nods the Head to one fide.

Intercoftales interni & externi pull the Ribs upwards in In-Subclavius Serratus Intient major fpiration. Serratus Posticus Superior

Trangularis Transgularia

Pyramidalis wards.

Longifims Derfi, keeps the Body erect. Transperfalis Derfi, mores the Body obliquely backwards. Interspinalis, draws the acute Procedies near one another.
Quadratus Lamberson, draws the Vertebras of the Loins to one fide.

Longus Send the Vertebra of the Neck.

pentitime 5. The New York of the Neck.

Plass parents, helps to bend the Vertebræ of the Loins.

Cressifter, draws up the Tefficles in the Act of Generation.

EreBort Penis. Tranfverfalis Pen Acceleratores Urine.

Erefferes Cliteridis.

Spliniter Vefice, contracts the Neck of the Bladdet, that the Urine may not run continually.

the Urine may not run continually.

Leastrest Ani, I draw up the Anus.

Seriaus Aniicus miner, draws the Shoulder-Blade forwards.

Tespenin, mores it upwards, backwards, and downwards.

Rhombides, pulls it backwards. Acomposites, pulls it backwards.

Lecater Scapale, pulls the Shoulder-Blade upwards.

Deloides

Sayra-Spinates

Caraco-racbialis

Latifimus Dorfi } pull the Arm downwards cs the Arm forwards. Infra Spinatus
Transfeerfalis
Subjectpularis

draw the Arm backwards. Biceps
Brackieus internus bend the Fote-Arm.

Longus Brachieus externus catend the Fore-Arm. Anchoneus.

Anchonoments
Resumdus
Sperform the Motion of Pronation, or turn the
Quadanus
Palm of the Hand downwards.
Longus Sperform the Motion of Supination, or turn the Palm
Bress
of the Hand upwards.
Radicus internus
Spend the Wrift.

Cubicus externus Sextend the Wrift Palmaris, helps the Hand to grafp any thing closely.

Palmaris Brevis, makes the Palm of the Hand concave.

Sublimis Profundus Shend the Pingers Extensor Digitarum Communit.

Lambracies, affilt in bending the first Joint of the Fingers.

Intereffer interni, draw the Fingers to the Thumb.

Interoffer externi, draw the Fingers from the Thumb. Flexor Pollicis longus. Flexor Pollicis brevis.

Extensor primi. Tensi Internedii Policis.
Tense, draws the Thumb from the Fingers.
Assurence, draws the Thumb to the Fingers.

Adultor Indicis. Exten or Indicis.

Hypsienar, draws the little Finger from the reft. Extensor Auricularis. Pfens Umess

Hiness bend the Thigh. Glutaus major Glutaus medius catend the Thigh. Gluteus min

Pyriferms: They move the Thigh ontwards.

Gemini they move the Thigh ontwards.

Quadratus interns: Thelp to move the Think Triceps, pulls the Thigh inwards.

Oleurator internus ? help to move the Thigh obliquely, and Obsurator externus ? circularly. Seminero Seminerous, Seminembranesus bend the Leg. Biceps Gracilis Refins

Vaftus externus cxtend the Leg. Surrorius, makes the Legs crofs one another.

Poplitaus, turns the Leg fornewhat inwards.

Membranofus, turns it a little outwards.

Tibialis Anticus Peroneus Anticus } bend the Foot.

Feronam Annual 2 Solatus Sextend the Foot. Plantaris Telicus, moves the Foot inwards. Peronam Positions, moves the Foot outwards.

Prefundus
Sublimis
Lambricalis

bend the four leffer Toes.

Longus } extend the four leffer Toes. Flexor Policis. Extensor Policis.

Tenar, draws the great Toe from the reft. Antitenar, draws it to the roft.

- Bro Adultor Minimi Digiti Matther parties Degit & draw the Toes toward the great Intereffet externi, draw them from the great Toe. Transferfalls, brings all the Toes close to one acother.

The word Mufale is derived from the Greek µge, or the Latin Mass, a Moufe 3 on account of the Refemblance it is fupposed to bear to a skind Moufe. The Latins slip call it Lacersts. Sees, and other later Authors, reckon the Heart among the number of Mufales, in regard its Composition

and Action don't differ in any thing from those of other MUSCULAR, or Musculous, fomething that relates to the Mufeles; or that partakes of the nature thereof.

See Muscax. In this fenfe we fay, Mufcular Fibre, Mufcular Coat, Muf-

no time tene we say, suggester river, scargener cont, new-calar Flesh, Muscular Veint, Majcular Americs, Ee. Muscular Fiber are the fine Threads, or Fibres, al-ready deferibed, whereof the Body of Mucles is compo-See Muscle.

Anatomifts are exceedingly divided as to the nature of these Fibres. Some will have 'em Elood-Vessels, vie. Veins, and Arteries; others Nerves, &c. See Anteny. NERVE, &c.

Some refirain Mufeular Fibres to the longitudinal red, call dulfo Fighy Fibres: The transverse, and spiral Ramifications wherewith the former are bound about, they

call Mrouse Feber. See F 1182.

Dr. Morges endeavours to prove, that all the Fibres the enter the Structure and Compelition of a Madick, are endead with an institute Etalitary, Spring, or Power of cancel with an institute Etalitary, Spring, or Power of cancel with a control Etalitary, Spring, or Power of cancel the Proceedings of Compelition of Comp call Nerosus Fibres. See FIBRE.

CULUS Carnefus.

Muscula Largini, and with Arteries proceeding from the Sabelavian, and diffilused among the Hind-Majelet of the Neck; as also to the Arcreis of the Loins. See Arrax. They are divided into Upper and Under.

The Upper-Majelater proceed from the large Artery, sad lofe 'emicives in the Flefin.

The Under-Mulculars are Branches of the inner lline Ar-

teries.

The Name is also given to two Arteries of the Thigh, the one call'd the Internet-Massimal, as being difficulted among the inner Massimal to Thigh 3 the other the External-Massimal to Easternal-Massimal to Easternet Amsternal-Massimal to Easternet and the Company of the Massimal the Internal Museuman Points and the Massimal the Internal Massi reries.

the Thigh, and terminate in the Subelavians. See VEIN There are three others also call'd Majeulars, and diffin-

guish'd into Upper, Middle, and Under 3 the first terminates in the Trunk of the Fens Case, the two others open into the external Iliac Vein

MUSGULAR Field. See Mufeular FLEAN

Muscular Moton, is the fame with voluntary or fpen-taneous blotton; thus call'd, because effected by means of the Contraction and Dilatation of the Musclet. See Mo-TION, MUSCES, &c.
The Mechanism of a Mufele we have deliver'd at large;

but how this Mechanism is employ'd to produce Motion in Animals, is matter of endless doubt. The generality of Writers suppose the Belly of the Muscle

to be fwell'd, and thus its Extremes brought nearer; and confequently the Parts it is fixed to, moved The Structure of a Mufele we have shown to be such

a no cartestante of a conject we have flicture to be fach as readers it capable of being fewell's and contracted, and by that means of having its Extremities brought nearer each other, which is its proper Action: But how the Contraction is effected, is the Point in diffrare.

The generality of Authors account for it from the Influx of fome Fluid into the Mufcular Fibres; Others folve it of tome Flund into the Muleular Flores: Others folice in from the natural Eaffeitive of those Fibres. The Retainers to a Fluid, again, are divided as to the particular Fluid employ'd for this purpose. From the Structure and Phenomena of the Mujeles above.

parameter a son empty or nor may suppose. The Markitz about From the Gortect much the Propose of the Andrea Candidata moves the Markitz about From the Gortect much Propose of the Andrea Candidata moves the Markitz view, 1/1. That it may either be prefect or a blint in a Markitz view, 1/2. That it may either be prefect or a blint in a Markitz view of the Markitz view of the Markitz view, 1/2. The Markitz view of the Markitz

d, fubtile, active Body, and be apply'd with forme Energy within the Mufcle.

Now all the Fluids in the Bodythat have any Preten-Now all the Fluids in the Bootynts have any Freeze floss to thefe Properties, that are any way qualified to pro-duce the Phenumena above; or that have been alledged as the Caule of Adaplear Meners; are the Agrond Sprinz, (or, as our later Writers call it, the Novous Juice) and the Best of Just assends of thefe fingly fearce appears adequate to the Effect, hence Authors have furposed 'em to mix in the Mattle, and and no contribution to the Afficial of the the Effect, hence Authors have Jappoled em to mix in the Majelfs, and each to contribute to the Adlian of the other. But the Animal Spirits form to have the greateff namber of Advocates, the their Existence was never yet Fally provéd; besides that the manuer of their Adlion, as affigu d by Authors, feems to be arbitrary and precarious.

Some, with the great Dr. Willis, make the Tendons a Receptacle for the Spirits, which are raised at the Indiga-tion of the Will, and fent thence into the Belly of the Majele, where meeting with the active Particles of the Blood, they ferment, and caufe an Intumefeence, and fo contract the

Majdic.

Others, amongft whom Det Certes and his Followers, allow no Receptacle for 'em but the Brain, fend 'em there have the Nerses like Lightning at every Summons of the Will's because they earl's allow the Tendons to be a proper Lodgment, on account of the Closeness of the Contexture, nor can believe that the Animal Spirits thould research the Contexture, nor can believe that the Animal Spirits thould re-

main there unactive.

Others, among whom M. du Verney, imagine this Intumefecace may be without Fermentation by the Animal Spirit, and a Juice from the Arreries running into the Tendons and Fleshy Fibres, and extending them, as Ropes, Sc. fwell in moift Weather.

freell in swill Wearber.

The Cartesian and minimals hat every Maffalar Electron and the Cartesian and Space for the Cartesian and Space for Space for all nine Cartinian or Force of an obline of space, for the Model's first, or Force of an obline of the Cartesian and the Model's first, or Force of an obline of the Cartesian and the Cartesian and Cartesian an Borelli takes the Fibres of a Mufele to confift of a Chain

of divers Rhombus's or Lozenges, whose Areas are enlarged or contrasted as the Nervous Juice, with the Lympha and Blood, are let into, or forced out of 'em, at the Inflance of the Soul.

the Soul.

Dr. Cross fuppeles every Flefny Fibre to confirt of a Chain of little bladders, or Globules, communicating with each others jim owhich the nutritions Juice, and once or two more Liquers entering, do, by means of the natural Heat, make an Entervelences by which the Body of the Majde is extended, Es.

Dr. Cksyne thece the [mall Fibrills of the Majdet to be

fo many steoder classic Canals, bound about by fmall transverse parallel Threads, which divide the hollow Fibrille into so many classic Cytes or Vesicule, which are orbicular, being formed of two concave Segments of a Sphere 3 into every one of which Veficular, an Artery, Vein, and Nerve enter 3 the two first to carry and bring back the Blood, belief to carry thither the Lipsadam Nerojass, or Nervous Juice, which mingling in the Feffuels with the Blood, does, by its acid pointed Particles, prick and break the Globules of the Blood, los ato let out the imprisoned claffle Air (contained in the Globules) into thole little Fifted a whereby the elatic Cells of the Fibres will be blown up, and thereby their Loogitudinal Diameters from Cell to Cell firaimed; and this must contract the Length of the whole Fibre, and fo move that Organ to which one of the Tendons is fix'd.

Dr. Kel, not contented with this Theory, fets up another, wherein the same Structure of the Mussele is suppoled, and the fame Fluids; vis. the Blood and Nervos Juice, the Agents or Instruments of Contraction; but infleed of the pungent Particles of the Nervous Juice piercing the Globules of Blood, and fetting at liberty the im-prifor delattic Anna, he accounts for the Whole from the

Doctrine of Attraction

He endeavours to fnew, that the Diffeofion of the Veficles of the Fibres is not owing to their being fill'd with a greater Quantity of Blood and Animal Spirits than before their Contraction ; but to a Rarefaction arising from the Mixture of those two Fluids, by means whereof they come to peffefs a greater Space

to petitele a greater Space.

To account for this Rarefallion of the Blood and Spirits
in the Veficles of the Mufcular Fibres, he suppose a small
Globule of Air between the Particles of a Fluid, which
Particles have a strong attractive Force, whereby they codeavour to come together: By prefting every way equally on the Globule of Jir, they will bilined in a feage from between them. But the Force whereby they can be seen them to the force whereby they can of Greetry, the Globule of Jir mulb to confidently condends 1 with the Force of Etallicity being proportional to that of its the Force of Etallicity being proportional to that of its the Force of Etallicity being proportional to that of its the Force of Etallicity being proportional to that of its the Force of Etallicity being the proportional to the force of the f Mount of more trongly attracted to the lands of the other Fluid, than they were before to one another, their Miss to one another would then ccafe, and give the inclosed Globule of Air liberty to expand itself; so that the convox Oncourse of Air theory to expans meet's to that the whole Floid will take up a greater Space than it did be-fore: But when the Particles of the two Globules come to be united together, they will again inclofe the Globule of Air that lies between them, and, by their mutual Air-traction, foon bring it to its former State of Condenfa-

tion.

Now, that the Blood contains a great number of Globules of Air, is evident from the great Quantity is yields in the Air-Pump 3 and that the Particles of the Blood bare a flrong attractive Force, cannot well be deny'd. Upon the meeting, then, of these two Fluids in the Vesseles of the Fibres, the Nervous Juice, confifting of smaller Particles than the Blood, must, from what Sir I. Newson has proved of the Rays of Light, attract the Particles whereof they are composed more tirungly than those do one another; and confequently the Noise of those Particles to one another cea-sing, the condensed Globulo of Air will expand itself with fing, the condenfed Globule of Air will expand itself with a confiderable Force; whereby each Veficle of the Fibre will be diffended, and confequently, therefore, fhorten'd; i.e. the whole Mufele will be contracted; but when the Particles of the Globale of Blood are well mixed with the Nervous Fluid, they will both together inclose the Globule of Air again, and compress it into as small a Space as it was before: And thus the Contraction of the Mujele must is was before: And thurthe Convention of the Novice multi-immediately easy, till ther Blood and Sprint, till if sec-coding one another, continue the Inflation of the Veffele-Bar when a John's has been frough; untackle for form grant with a John's the Sprint of Time by the Cludes which fingly in Novers, the Inflation of the Veffele and Infl., and the Nofice grow feelbe and weak. And that that without the Novers of the Novers of the Novers of the Montan are Delinion or Efferte/ence; sud when Diffusion and the Novers of the Novers of the Novers of the Archi Globalus have the Post of the Mollechanin of protection to the Novers of the The precede to flew loss suffully the Machine Info princent, that is Endert Polowa pa and diffused as to

periment, that a Bladder blown up and diffended as to its Capacity, but contracted as to Length, will raife a Weight to fome determined Height. Two Bladders, thereweight to lone determined recipit. Iwe bisactes, inter-fore, thus blows up, and communicating with each other, he argues, will raife the Weight double the Height, and three Biadders thrite the Height, gr. So that if there were a Sring of Biadders join'd together, of equal Bulk, and like Figures, the Space ther' which the Weight would rife, would be proportionable to the Number of Bladders, i. e. to the Length of the String. Now each Fibre of a
Mujcle confifting of an infinite Number of fmall Veficles,
refembles a String of Bladders; fo that the Contraction of the Mufele is always proportionable to the Length of its

Farther, the Vesicles whereof the Fibres consist being very finall, the one large Bladder might raife a Weight as high as feveral finall ones, yet the Quantity of elaftic Floid ufed in the Inflation will in that case be much greater than where the Weight is rais'd by a String of finall

For, supposing two Bladders of similar Figures, but the Diameter of the one triple that of the other; then will the Fluid to expand it that the other does, and will also expand Find to expand it that the other does, and will allo expand to remp-view times the Space 3 and yet three of the left Bladders join d'together, (fie goes on) will raife the Weight to the fame Height that the bigger one does job twish sine times left Sepace of elastic Fluid, and take up that an interest of the Space. Sy diminishing, therefore, the Bignetis of the Veffeles, and succeafing their Number, the Porter required to difficult them, and the Diffension is the green required to different than the Different field, may be diminified in any given proportion, and come at laft to be infentible. Suppose a Bladder, w.g. of a determinate Bignefs, can ratie a Weight a Fourt 3 a handle Bladders, whose Diameters are each a hundredth. Part of the Company the former, being blown up, will ruife the Weight to the fame Height; but the Force required to inflate them, and the Swelling of all put together, will be ten thousand times lefs than the large one.

Agaio, if a Weight of a determined Bignessoan be rais'd Again, if a Weight of a determined Bignels sin he rayid on a certain Height by a Bladder, or one String of Blad-ders, to which the Weight is ried 5 twice that Weight may be raid by two facis Bladders, or Strings a thine by three, Use and, confequently, the Weight a Mejde can raile, with be always as the Number of in: Fibres, i.e. as in Thick-nels, lepposing the Dillendson of the Veffeles equal, and the scholare Strength of one Mejde to that of another, as their Bulks.

Bulks.

Dr. Beerhasse finding all the Requifites before laid down, for the Action of the Mufcles in the nervous Juice, or animal Spirits, and in nu other Fluid in the Body, thinks it needless to have recourse to a Mixture of feveral Li-quors where one will do 3 and therefore makes no feruple to attribute the whole Busin is to it alone. The manner of Action he conceives thou.

of Action he Conceives that.

Suppose the Spirit, from any Cause, to be moved more furtisly from the Origin of some one Nerve, than thro the roll; the inflax will here by greaterinto the Moyendar Fibre open to this Nerve than into another. This will therefore or more dilated; and the other Phenomena, mentioned abe more dilated; and the other Piccomenza, mentioned above, will facected. The fame Caufe continuing, the Effect will be increafed, fo that in a Moment of Time, the whole will be fivefill up a sud while the fame Determination lafts, will remain contracted: And this obtaining in an infinite number of Hobbit at some, the whole Mattle will be inflated. Hence it excertishly follows, that are Calculy is intered in one Nerve, the Motion will as the Celerity is increated in one everye, the mouten was be left in another 3 this therefore being relax'd, the Ef-fort in contraction will be the firenger. For which Rea-fon, all the turgid Fibres of a Mutele will compress the intermediate Spaces and Blood with a great Force ; whence antermediate Spaces and notod with a great Force; whence the Veins will be empired, and the Arteries being competited, will repel the groffer, that is, the red parts of the Blood, but will drive the more liability parts by the Force of the Heart and their own, into the most minute Cranel's and their own, into the most minute of the Macle will be found to all by a Gabille Humour concurring from the Newton and Arteries.

Thus are all the Phenomena accounted for; without any other Affumption than an accelerating Force in the Origin of the Nerves; which is common to all Hypotheses.

which can't be traced any further.

All other Hypotheses, therefore, Bermane absolutely ejects; nor makes the least account of Galen's incorporeal rejects; nor makes the least account of Galers's incorpored. Power inflating the Mulcles; the nitrous Spirit of the Nerves mixing with the Oil of the Blood, and for ratifying it; the acid Parts of the nervous Juice making of the Air, and the arterious Juice; and the interaction of the Air, and the arterious Juice; and the interaction of uninstation of attractive Force of the minute. Corpulctes of the Hamoure, as repugnant to Senfe, Experience, the Laws of Matter, and of Mixture, and to the Phenomena of the Mufeles.

Dr. Mirror has gone a good way towards proving the nervous Juice alone concern d in Mujesdar Morion 5 and that

the Blood has so flare in its by the following Experiment, which he tried feveral times with the fame fucers. Carting open the Advance of a live Dog, and removing the Intelligence out of the way, he hound up the Advance of a live Dog and removing the Intelligence out of the way, he hound up the Advance when it divariances into the Huse Arteries, with a Thread, fo as to configure year, this and the Particular Advanced in the Ad it divarcates into the line arteries, with a Intrad, to as to confiring each line and the Hypogetrie Artery very clotely; then fewing up the Epogline Biulicies, he found the Senfarine and Motion fill a brisk and vivid in the Dog's Pafterious, as before. So that when once fer at liberty, he shod on all four, and walk'd with his usual Eule and Firmness; the it is certain there could not be one drop of Blood con-

tho is a certain there could not be one grop of flood conveyed to those bind parts.

After, however, differs from Borbaree in the manner wherein this nervous Juice acts 3 nor will allow that Celerity, wherewish the Mufcles act at the Command of the Will, to be owing to the Velocity of the Juice fent through Nerve, but to an Impression given to one extremity of the Thread, and communicated thro all the intermediate Parts to the and communicated thro all the intermediate Vary to the other Extremity in the pointing the Nerves in their natural State to be targid, and full of Spirits: so that if the Extremity in the Senfory be ever to little peefed by the Accession of any new Spirit, as much will be instantly ex-Accement at the other Extreme, and one werfa i a final Im-prefiled given to the outer Extremity of the Nerve will immediately move theother Extreme open to the Senfory,

immediandy move theorther Extreme open to the Senfacy, to that part of it will drop our: Which accounts for Senfation, as well as Majoular Matter, Laftly, Dr. Levere and Mr. Camper, and after them, Dr. Morgon, the latefit Writer on the Subject, fetting afide all adventitions Fluids, account for Majoular Matter from the intrinsic Elaslicity of the nervous Fluids contracting and refloring themfelves against the stretching Force of the

Circulating Blood. This Syftem, Morgan endeavours to evince from the following Confiderations:

1. All the Veffels in an Animal, confifting of flexible, diffracible Fibres, are in a flate of Tenfon; i.e. are both freetch d'emcferly and longitudinally by their contained Fluids; Thus, c. g. lera Vein, or Artery be cut, and the opposite Soles of the Veffel will central, and come the opposite Soles of the Veffel will central, and come coding both ways due to the Arie's while the two enders coding both ways down the code of the Veffel will be in its natural Soles of the Veffel will be in its

coling both ways, leave a Chafm, which figure that the VCHC, while in its named State, was difficult about ways and, confequently, than Contraction in all-their Dimensions, and, the confequently of the Contraction in all-their Dimensions, and the farme unique to deduced, 2 priori, from the Growth of Animals; for by the increded Quantity of the screenbaled Blood, the Veffile small to accellantly be exceeded, the Veffile small to accellantly the contraction of Tenfan.

2. That this contractive Power of the Mateular Fibres is a natural bitrinfic Property of the Fibres themfelves, and does not depend on any Mixture, or matual Aélien of Pluids, is evident from bence, that the Fibres retain the fame Property, after they are taken our of the Body and aftick) as we fee in Thomas, Cargut, and other fuch like Cords or Strings cut out of the Mulcular Coars and Skins of Assistance and Skins of the Power of the Powe Animals, which may be firetched out to a confiderable length beyond their natural State; and when the firetching Force or Weight is taken off, they will immediately con-

Force or Weight in saless off, beey will immediately coarred again by the feasure's Spring.

3. White a Medica courted, is the look of represent on the control of the courted of the better that is, it counts in 6 History than the controlled, thus when thereth of, which flows, that the controlled, thus when thereth of, which flows, that the controlled, thus when the three courted over the found, as at Notice Fluid in the Nortes could creek be found, as the courted of Fluids on the Solids.

If then it be faid, that these Bladders, when the Mase le is stretched, are drawn into oblong Spheroids: and when inflated by the mixture of the nervous Fluid, reduced to a initiated by the mixture of the nervous Fluid, reduced to a flipherical Figure 3 by which means their Axes are finer-ned, and their conjugate Diameters enlarged: 'Tis answer'd, that those finall Veficles are foft, flexible, differentiel, and equally yielding every way; and fine an included expansive Fluid must press its containing Veffels c-

ede expantive Fluid must prefi its comaning Vetficls o-qually yielding every way, and equally yearpairty o. Petral, norwindrahmoing fusch Difference, must reads its natural Fi-again, facto the Blood circulates releyly then their Mo-cature Colls, it is plain, that as foon as they begin to influe sub-colls, it is plain, that as foon as they begin to influe to must be immediately purifi of reward with an increased Velocity in the Courfe of its Girculation, which must pre-orate any facto histories in the Mucles. Before thefo Ve-vera tory facto histories in the Mucles. Before thefo Ve-vera tory facto histories in the Mucles. Before thefo ficles, therefore, can be diffended in the manner supposed, the Exit of the Fluid must be hindred; that is, the Cir-culation must be stopt. If any one doubt of this, let him try whether he can blow up a Bladder, or other Veffel, that is open at both ends, and where the expansive Fluid has as

free an Egrefs as Ingrefs.

Thus much premited, the natural Action of a Mucle will be casily explain'd. From its Stracture, it follows, that on the Contraction of its transverse and spiral Fibres, that on the Contraction of its transverie and furial Fibres, which are the Mamifications of the Nerves, the Inagistati-nal, red, and flefhy Fibres, or Blood-Veffels, which con-flience the Body of the Mudflee, mult be Iquaceed and drawn together, as being compell'd to follow the Motion of these classifications of the Contraction of the Contraction of the being compressed, and propell del forward in the Course of its throat the Mudflee and propell del forward in the Course of its throat the Mudflee and propell del forward in the Course of its

Circulation Now if the Blood flould hereupon flop, and return no more to the Mufele, 'tis plain the Mufele must for ever re-main in this contracted State, as its proper and natural State main this countafied Stoic, as its proper and natural State of Quiefectone to which it teads, and where it would reft. But the Blood having received a fresh Imposts by the Contractilion, and rectanging upon the Malletin in the Counfe of its properties of the Counfe of MUS.EUM, was originally used to figuify a Place in the Palace of Alexandrica, which took up at least a fourth part of the City; 5 call'd as being defund and fer apart to the Mujes, and the Sciences. See Muss.

Here were lodged and entertained a great number of learned Men, who were divided into Companies or Colleges, according to the Sciences or Sects whereof they were Profesiors.

To each House or College, was allotted a handsome Re-

This Establishment is attributed to Prolemy Philadelphus, ho here fixed his Library. See LIBRARY. Hence the word Mafason has pass'd into a general Dene-

mination, and is now apply'd to any Place for apart as a Repo-fitory of Things that bave forme immediate Relation to the Arts or the Mofer, whence the Word first took its Rife. See REPOSLYDRY, &c.

REDESTORY, Éf.
The Missaws at Oxford, call'd the Aformieum Musicus, is a noble. Flue crefted at the Expence of the University, for the promoting and carrying on Cerval Parts of curious and affest Learning. It was begun in 1579, and findflied in 10583 at which mine, a valuable Cellection of Curiotic its was prefeared to the University by Ehm Aforder Efficiency and the Cellection of Curiotic its was prefeared to the University by Ehm Aforder Efficiency and the Cellection of Curiotic and the Cellection of Curiotic in the Cellection of Curiotic and the Cellection of Curiotic Cellection of Curiotic and the Cellection of Cellection of Curiotic Cellection of Cellection of

firth Keeper of the Mofeam.

Divers confiderable Accessions have been fince made to
the Mafeam 1 as of Hieroglyphics, and other Egyptian Antiquities by Dr. Hantington; of an entire Munmuy by Mr.
Gosspors; of a Cabiner of natural Ratrities by Dr. Liffer;
as also of divers Roman Antiquities, Alvars, Medals, amps, &c.

Over the Entrance of the Majeum is this Infeription ;

MUSÆUM ASHMOLEANUM, SCHOLA NATU-RALIS HISTORIÆ, OFFICINA CHYMICA.

MUSES, Fabulous Divinities of the antient Heathens, who were fupposed to preside over the Arts, and Sciences. The Amients admitted sine Mosfe, and made them the Daughters of Jupiter and Monosipies, or Memory. As first, incled, their Number was but three, viz. Melers, Art first, incled, their Number was but three, viz. Melers, and Asia's Greek Words signifying Memory, and Asia's Creek Words signifying of Memory.

having Orders to make three Statues of the three Majes for the Temple of Apulo, and militaking his Inftructions, made three feveral Statues of each Muje; these however were three feveral Statues of each anye; there he Temple, found to beautiful, that they were all fet up in the Temple; To and from that time they began to recken nine Majer: To whom Hefost afterwards gave Names; viz. Collope, Clio, Erato, Tbalia, Melpomene, Terpfichore, Emerpe, Polbymnia, and Urania.

Each of these were supposed to preside over their re-spective Art; Callispe over Heroic Poetry; Clis over Histo-"The Art's Champe over Intende Poetry; The over Histo-tys Melpowere over Tragedy; Theha over Alivonomy; Tep-terpe over Wind-Mulie; Uranus over Alivonomy; Tep-febore over the Harp; Ernet the Latte; Pollymnia Rictoric. They are painted Young, Handforme, and Modelf, a-greeably dreft and are owned with Flowers. Their usual

Abodes were about Mount Helseon in Bastin, and Mount Par-Notice were about mount received in seven, and mount Par-naffer in the Placide. Their Business was to celebrate the Victories of the Gods, and to infpire and affilt the Poets 3 and hence the Cuttom of Invoking their Aid at the begin-

and bence the Cuttom of a trooting fluor axis at the original goal of the ming of a Peen. See Pavoca-raisoned, that the Drittes It must not, however, be imagined to the mindres as Dritte Perfors, from whom they expect any themselves as Dritte Perfors, from whom they expect any real Help. Under the Name of Mg/s they will for the Centus of Poetry, and all the Conditions and Circumstance meedings for a bappy Execution of their Underhalten meeditarily for the Execution of their Underhalten meeting and their Execution of their Execution of their Execution of their

They are mere Allegeries and Manners of expressing them-felves poetically; as when they make Gods of Sleep, of Fame, of Revenge, and other natural and moral things.

See Gop. See Ush.

Accordingly, the Majerane of all Ages, Countries, and even of all Religions. There are Christian as well as Heathen Majer, Leinin, Torcek, Emplife, French, &cc. There are allo new Majer, which appear every day in favour of those who, diffusions things too trite and commen, chuse to strike out of the Road.

to littike out of the Kosal. When Virgil worte his Eclogues, he invoked the Seilian Molfer, because he imitated Theorims; and the Seilian Ecceptary litting the sent party for a Genina as happy as that of this Hander.

The Molfer of the Poet Laurenius had never inspired any Person become him. "The plain, from the DeStrime of his Bood, what Kind of Desiriny it was he tinviked. He ad-

deffes himfelf to Venue, but at the fame time tells os, that none of the Gods trouble themselves with human Affairs. His Majes therefore must of necessity be more Allegories.

The Word Maje, according to Phornaus, is derived from the Greek subsus, which fignifies the fame with chief, to fearch. Others derive it from \$\delta\text{subsubsup}\text{finilar}, or alike \$\delta\text{finilar}\$

fearch. Others derive it from justices, finalite, or althe; a all the Science Sorig Dound and autotic together. Befrian derive it from puts, to initiate, we infined. Plan and decling from audotics, difference, because the others no-re-duction from the puts of the puts of the contraction of the contraction of the puts of the puts of the puts of the puts and the puts of the Polic are call'd by various Names; Camene, Hol-mounts, Permidic, Amin. Pictiche, Poptida, Agamphan, The foliate. Liberiark, and Capitale. MI SHROOM, or Musanows, in Named History, a MI SHROOM, or Musanows, in Named History, a

MUSHIKOOM, or Musaicons, in Numer Hitheys, a Flux of a Storm and Strucker were different from that of all other Plants; having scients Seeds, nor Flowers, that There are vicines indeed to the property of th their Smell.

Mr. Bradley mentions a hundred kinds of Magarooms, which

art. practy mentions a hundred kinds of Maßtreem, which be has feen in Englands befields those very american small ones, which constitute the Mouldiness of Liquers, Fruits, Esc. which lat are such quick Growers, that they arrive at perfection in left shan 1: Hours. See MOUDINESS.

The Fungcides only differs from a Maßtreem in its external Form; the Coralloides are of the same Species, the of a different Name, as being branch'd like Coral; and Truffer come under the fame kind. See CorallotDes,

TROFFLES, Se. Mattholas mentions Majorooms which weigh'd 30 Pounds seach, and were as yellow as Gold. Fer. Imperatus tells us he faw fome which weigh'd above a hundred Pounds 3 and, to add no more, the Journal des Sciences furnishes us with an

account of fome growing on the Frontiers of Hangary which were still Chants Leol.

The Origin and Produckins of the Plast has extremely paralled the Reantilt. How a Plant Roual be produced without a Seed, as Muffery and set the left Microlegue without a Seed, as Muffery and set the left Microlegue and the Plants of the Plants of the Plants of the Muffer and the Plants of the Seed of th were a full Chariot Load

under Ground, and covering these over with Mould, and that again with Horse-Dung.

that again with Horfe-Dung.
If this be done in April is the beginning of Angali the pieces of Dung will begin to whiten, and grow mouldly, being frew dail of nove with little Hair, or fine white Threads, branchid, and woren about the Straws whereof the Dung has been about the Straws whereof the Dung now locks its former exermentations Smell, and Specads an admirable Odour of Magazine. POOMS I

room. According to all Appearance these white Threads are no where has nhe open di Seeds or Bush of Maßrousen, which Seeds were breite mided in the Dang, but in 16 frault because the medical mental of the medical m he the direct can loaden with a kind of roundiff Capital or Head, in manuer of a Calotte, which expands it fielf with-out producing either Grains or Flowers that are fentfale; the bottom is forced with Lossine, which proceeding from the Centre to the Circumference, may be call'd the Lenges of the Mufbreom

of the Majaroom.

At the foot of each Majaroom are found an infinite number of little nots not bigger than the Head of a Pin, when the others are at their growth. The Bads of the Majaroom, resour, or the white Hairsof the Dung, preferre themselves a long time without rorting, if kept dry 3 and if laid again

a long time witnout rorring, it keep dry's and it islat again on the Ground's will produce.

Moforassi, then, are nothing elle but the Produce of what we call the Meddlines of Floric Dung: But what Analogy is there between these two things? Or how should so are full and delicate a Structure as this of a Plator result from the more fortulious Concours of a few Juices, differently agitated !

It feems past doubt then, that Machinems, like all other Plants, have their Origin in Seeds: Now we know that the Seeds of Plants cannor vegetate every where t there are first Section of fraint claims regulate every where 3 first ear an interquired certain Juices proper to penetrace their Coast, or excite a Fermenation, and to join themselves to the little parts thereof, and increase them. Hence arises that insigne Diversity of Places, whetein different Species of this Plant are produced. There are form which will only grow on forme other particular Plants, whose Trunk, Bark, or Roots,

iome other particular Plants, whole Trunk, Bark, or Koots, alooe have the Justice preper for them. What M. Townefort mentions from Meff. Lowery and Mery, infill more farprings; There is a Species of Moj. room which grow on the Filders and Bandages apply'd in the Fracture, E.G. of the Patients in the Note-Drive. After which, it will not be at all farprings that Horfe-Dung pre-pared in the manner M. Townefort unentions, Hould be a pared in the manner M. Icorneyov mentions, mount of a Soil or Matrix capable of making common Maghresons

Hence it feems to fallow, that the Seeds of Michronny should be forced in an infinite number of Places where they do not vegetate, and in a word throughout the whole Earth; and the fame may be faid of a great number of other Plants.

eiter Yuan.

It wall be magnetisen in hack it is facilit through the magnetisen in hack it is facility through the magnetisen in hack it is facilitied. It was a facilitied in the Renforming will be rut he Marco of Facilitied with the Disjource cell us, he was stured that Facco of the Bark Disjource cell us, he was stured that Facco of the Bark Disjource cell us, he was stured that Facco of the Bark Disjource cell us, he was stured that Facco of the Bark Disjource cell us, he was study to the study of the Bark Disjource cell us to the study of the Bark Disjource cell us to the study of the Bark Disjource from cell fine at the study of Magnetia from cell us that the Bark Disjource from cell fine at the cell of Magnetia from the study for the Magnetia for the Bark Disjource from the temp document of the Bark Disjource from the Company of Magnetia from the Company of the Magnetia for the Magnetia f

M. Tasenefore tells us, on his own Knowledge, that where the Stubble is haren in Prosence, Language, and the Islands of the Archipelage, there arise great Quantities of black Poppies in the first Autumnal Rains, which disappear the Poppes in the helt Aurumnal Kains, which dispress the Year following, 50 that they are never found but on burnt Lands. And we know that after the Burning of Landon, the Ground as far as the Fire reached, then up with vaf Quantities of Eryfmon Latifulum Majus Gladrum. One of the chief Reaton, if not the only one, why Mountains produce Plants different from the Plains or Valleys 2 Ha.

ces become fenny, from the fame Places when they were dry; is the difference in the nutricions Jusces found in those Places. Without this, how shall we account for the Origin Places. Without this, how finall we account for the Origin of Milleton or Hypocytia, which are never known to grow in the Earth, at least without adhering to forme other Plane; the one growing on Trees, the other to the Root of the Cythas! Why do the Ivy and Vine of Carada, the Pellitory, Polypody, the Species of Capillaties, grow only on the Trunks of Trees, on Walls, and in the Clefts of Rocks, unlike in the that the Juicso of indult Places are the best daspelled in the that the Juicso of the Places ted to them?

These and other incontestable Facts prove plainly both the vast Multitude of Seeds dispersed every where, and the Necessity of certain Circumstances to make 'em ve-

If to this Speculation on the invisible Seeds of Plants, we join that of the invisible Eggs of Infects, which must be allow'd equal thereto, the Earth will be found full of an inconceivable Infinity of Animals and Vegetables, perfectly form'd, and defigned, as it were, in Miniature, and only waiting for certain favourable Circumflances to enable them

watering ret cereain reventable. The consideration to make their Appearance in large. How rich then mail the Hand be, that has fown with fo much Profusion? We have been the more particular on this Head, on account of the Oddnefs of the Phascomena; and because what is here faid of Modornow will give light into the Generation of all other Vegetables, &. whole Seeds are yet undifcovered.

andiferenced.

Dr. Liffer, indeed, thinks he has found out the Secks of Molarous. He inflances particularly in the Fanger Pariesis, Configur magent L. Noth Texture of whole Gillis is like a Paper prick'd full of Fin-boles. These Gills, he makes no doubt, are the very Flower and Secol of the Flant a when it is rise, the Gills are easily reportable from the rest when it is rise, the Gills are easily reportable from the rest when it is rise, the Gills are easily reportable from the rest when it is rise, the Gills are easily reportable from the rest when it is rise, the Gills are easily reportable from the rest when it is rise, the Gills are easily reportable from the rest of the Secol of a Artichote hash in the bottom of its rise big-second of the Secol of all land result, and they are different for the Gills are easily and they are different for the Gills are such as the rest of the Secol of all land results, and they are different for the Gills and the the Gills are the Gills and the second of the Secol of the Gills and the second of the Gills a Seed of an Artichoke hash in the bostom of its its he lig-ger end of the Seed is fall and oncode, and they are diffu-gered of the Seed is fall and oncode, and they are diffu-ted in the seed of the seed of the seed of the seed of the the fame he thinks of all other. Moffenson, between the result figured, it is happens that there, when fown, prove florif, and don't produce their Kind, it is no wonder's there of the seed of the seed of the seed of the seed of the florid of their Kind, he fing no more than a battern volume Dad, as all the Ochbick, or Bee-Flowerts. WISE

MUSIC, the Science of Sound, confider'd as expable of a probating Mafesty, or Harmony; or, the Arr of diffeoding which is affect the Section and propositions of propositions of the probating Mafesty, or Harmony; or, the Arr of diffeoding which is affect the Section in any precible minimum, or propositions them among themselves, and injuries and continued to the proposition of propositions them among themselves, and injuries and the proposition of propositions of the proposition of propositions of the proposition of propositions of the proposition of proposition of the proposit

From this Definition, the Science naturally divides itself

From this Lennitron, the Science naturally divides intelline two general Parts, Speculaire and Prailical.

The first, the Knowledge of the Materia Mussia, or how to produce Sounds in such Relations of Tune, and Time, as shall be agreeable in Consmance, or Succession, or both is as mail on agreeable in Continuance, or Succession, or both: By which, we don't mean the actual Production of their Sounds by an Inftrument or Voice, which is meerly the mechanical or effective Parr's but the Knowledge of the various Relations of Tune and Time, which are the Prin-ciples, our of which the Pleasure Sound derives, SecTung.

ciples, our of which the Plestiner Goght derives. See Twar.
The ad, How the Circuityles are to be applyed to show
The ad, Bow the Circuityles are to be applyed to the
determined in the first part) may be ondered, and remaining
the transfer of the third part of the third part of the third part of the
third part together in Secutions and Cochoner, for as to antive
the End : And this we call the Art of Compfiling, which is
a repetity the predicted Fart of hole, Coc Conventions,
when the predicted for the third part of the control of the
strength is the state of the control of the control
waters; but as this depends alongether on the first, and is
only an Application or Experision of Experision of Exp.
The first Breach, which is the communities Part of the
The first Breach, which is the communities Part of

The first Branch, which is the contemplative Part, di-vides itself into these two, who the Knowledge of the Relations and Measures of Time, and the Doctrine of Time

itfelf. The former is properly what the Antients call'd Harn nic, or the Doctrine of Harmony in Sounds, as containing an Explication of the Grounds, with the various Measures

an Expiration of the Ordanos, with the various Measures and Degrees of the Agreement of Sounds, in respect of their Tune. See HARMONICA.

The latter is what they call'd Rythonica, because it treats of the Numbers of Sounds or Notes with respect to Time;

containing an Explication of the Measures of long and short, or swift and slow, in the Succession of Sounds. See RYTHMICA. The fecond Branch, which is the practical part, as naturally divides into two parts, answering to the parts of

the first.

the first.

That which answers to the Harmonica, the Antients cal-led Melspain, because it contains the Rules of making Songs, with refpect to Tune, and Harmony of Sounds; this we have no reason to think the Autients had any thing

like Composition in Parts. See MELOPORIA. That which answers to the Rythmica, they call'd Ryth-

mopais, containing Rules for the Application of the Num-bors and Time. See RVTHMOPOEIA.

bein std Time. See Nevrus voor 1.4.
We find a france Deverfly in the antient Writers, as
to the Naure, Office, Extra, Division, \$G\_1 of Mode.
Marie to Mark Should profit of the the Investment Mofe,
Marie the Marks being flopped to the the Investment Mode.
Market, however, will have it take in Name from an
Egystam Word, a topping in a kickenion after the Folder
Egystam Word, a topping in a kickenion after the Folder
Rauks of the Nyte. Higherin tells us, the delensing space
the Name Modit overly Art. Mode to the Knowledge of
the Order of all though; which is the the Declares of the
Phyloperom School, and of the Thought, who teach, that
every thing in the Universe it Mode.

Phyloperom School, and of the Though, who teach, that
every thing in the Universe it Mode.

Divine and Mandane.

The first respecting the Order and Harmony that ob-tains among the Celestial Minds; the other, the Relations annual mines the Central Manaca's the other's, the Klatmoss and Order of every thing elle in the Univerfe. Plans, however, by the Disine Moffe, underflands that which extits in the Divine Mind, east, the fa Archetypal Ideas of Order and Symmetry, according to which God formed all things: And as this Order exists in the Mundame Greatings:

which laft Species they again fubdivided into four, viz. Things.

a. Celefial Mufic, or the Mufic of the Spheres; comprea. Citejiani ionije, or ten sonje or two opineres; compacheding the Order and Proporties in the Magnitudes, Diffances and Motions of the heavenly Bodies, and the Harmony of the Sounds refulting from those Motions.

J. Haman Majfe, which conflict schiefly in the Harmony of the Faculties of the human Soul, and its various Pafficos;

All Conflictions of the human Soul, and its various Pafficos;

the Faculties of the numan Soul, and its various ramons and is also confider'd in the Proportion, Temperament and mutual Dependance of the Parts of the Body.

4. What, in the proper and limited fense of the Word, iscall'd Mosfe; which has for its Object, Motion, confider'd

became tubdivined.

Where the Mannon is without Sound, or as 'tis only the
Object of Sight, it was critier call'd Moffee Grebytria or
Solaterizia, which contains the Mules for the regular Motions of Dancing; or Moffee Dypectrice, which refpects to
the Colleges of the Ensonaimes.

When the Colleges of the Ensonaimes.

When the Object of Moffee Dypectric douby by the Rar, i. e. when
Sound is the Object of Moffee, there were three Species of
the Colleges of the Species of the Colleges of th Sound is the Object of major, there were totte open-so-viae, Harmsonico, which considers the Differences and Pro-portions with refpect to Grave and Acure; Rythmica, which refpects the Proportion of the Sounds as to Time, or the Swiftness and Slowness of their Sweetsinors, and Merrica, which belongs properly to the Poets, and respects the Art Arifieles Quintillanus,

Arifide Quintillanus, Bacchius, and other antient Wri-ters, define Music the Knowledge of Singing, and of the Things belonging thereto; which he calls the Motions of the Voice and Body: as if the Singing itself conflitted only in the different Tones of the Voice.

The same Author, confidering Mose in the largest sense

of the Word, divides it into Contemplative and Affive. The first, he says, is either Natural or Artificial. The Natural is either Arithmetical, because it considers the Proportion of Numbers; or Physical, which examines the Proportion of Things of Nature.

The artificial he divides, as above, into Harmonica, Ryth-Metrica The active, which is the Application of the artificial, is

The active, which is the application of the artifactin; is cither Emeritarie (as in Oratory 3) Organizal (or Instrumental Performance;) Oscal (for Voice and finging of Pfalms) Bypariniani, in the Motions of the Pastomines. To which forme add Bybaraheal, they in reality no more than a Species of the Organizal; in which, Water is ufed, for the producing or modifying of Soun

Porphyry makes another Division of Mysic, taking it in the limited Sense, as having Motion both dumb and so-norous for its Object; and without distinguishing the Spenorous for its Ubject; and without diffuguishing the Spe-cularive and Practical, he makes its Parts thele fix, vio. Rythmics, for the Motions of Dancing; Metrics, for the Cadence and Recitation; Organica, for the Practice of In-frarments; Petrics, for the Numbers and Fect of Verfes; Hypatritics, for the Gellures of the Panteminer; and Har-

monica, for Singing.

The Muftent Facultier, as they call them, are Melopain, which gives Rules for the Tones of the Voice or Initrument; Rythmopria, for Motions; and Poefis, for making

Vertex.

Mafic appears to have been one of the most antient of
Arts. And of all others, Viscal Mafic must undoubtedly
have been the first Kind. For Man had not only she various Tones of his own Voice to make his Observations on,
before any other Art or Instrument was found out, but had the various natural Strains of Birds, to give him occasion to improve his own Voice, and the Modulations of Sounds it was capable of. Of many antient Authors who agree in this Conjecture,

we shall only mention Lacretius, who fave,

At Liquidas Avium Voces imitarier Ore, Ante fait multo quom levia Carmina Cantis, Concelebrare Homines possent, Auressque juvare.

The first Invention of string'd Instruments he ascribes to the Observation of the Winds whitling in the hollow Reeds.

As for other kind of Instruments, there were so many Occasions for Chordr or Strings, that Men could not be long in observing their various Sounds, which might give Rife

Occations to a some and the first price of the bollow North for price of the first price of the bollow North for the first price of the first pric Greece, and to have been the Inventor of the Lyre. The Time he lived in, is not agreed upon. See Lyan. To him faceceded Chiron, the Demi-God; Dewishers

To him faceceded Chron, the Denni-God J. Densdhere; Permet Pilipping; Olympia J. Orpheut, whom from make the first lusteducer of his/sie into Greece, and the Invenue of the Lyens Phenima; Tep-nader, who was Contemporary with Lyengar, and fet his Laws to his/sie. To him form attribute the first Influtions of Missical Modern And the Invention of the Lyen Thades; and Thompsii, who is faid to have been the first hearten of influtemental highe without have been the first hearten of influtemental highe without heart permet and the simple size of the size of Singing.

These were the eminent Musicians before Hower's Time, Others of a later Date, were Lasus Hermisuensis, Melnip-pides, Philosechus, Tuesticus, Phynnis, Epoponius, Lysander, Sommicus, and Diodovus; who were all considerable Improvers of Mafic. Lofus is faid to have been the first Author who wrote on Mafic in the Time of Darius Hyfiafper; Epigenius invented an Instrument of forty Strings, call'd the genus invented an instrument of forty Strings, call'd the Epigonisms. Somminu allo invented an infirumous, call'd Summinisms, of thirty-five Strings. Diodorar improved the Twins, by adding new Holes; and Timesteer the Lyre, by adding a new String; for which he was fined by the Lace-

domention. Account we have of the Inventor of Majdad And the internet of the Inventor of Majdad And the internet of the Andreas, and very oblicate for a life the Account what those Informations were a we fearer having say whigh of them beddes the bare Name. As a large of the Annal of the Annal of the Inventor of the

The Possaide Instruments, were the Tympanum, Cymbalum, Crepitaeulum, Tintinnabulum, Cretalum, and Sistrum; which

Music has even been in the highest Esteem in all Ages, and among all People. Nor could duthors express their Opinion of it firongly enough, but by inculcating, that it was used in Heaven, and was one of the principal Enter-tainments of the Gods, and the Souls of the Biefied.

trainments of the Gods, and the Souls of the Bieffel.

The Biffels strived to it by the Antients, are almost
The Biffels strived to it by the Antients, are almost
been cured, Unchaffiry carefeld, Solitions quiltly, Issi
been cured, Unchaffiry carefeld, Solitions quiltly, Issi
themse stiffers as, that antiently all Laws Divine and Grist,
themse stiffers as, that antiently all Laws Divine and Grist,
mann Things, Lives and Adliene of Bilitritions Mon, were
written in Verfe, and publicitly fung by a Chores to the
Sound of Infirmtensis which was found the most effectual means to impress Morality, and a right Sense of Duty on the Mind.

the Mind.

Mysperson a great part of the Dicipline of the audion y-Mysperson and the Dicipline of the Audion Mysperson and the Mysperson and Mysperson a

De Wolfe has endersowed to secouse for the Euryfung Effects efficied to the mainst Maje; and charges them principally on the Norelty of the Art, and the Hyperbolk's of the survey Williams, Now done the doubt but the mean of the survey Williams, Now done the doubt but the most of the survey with the Confidents at the antican. The truth is, we can match most of the antican Stories of this kind in the modern Histories. It Tambiest could castle Alexander's Kury with the Lydinian a more more transfering that the Art of the Majer and the Art of the A Dr. Walls has endeavour'd to account for the furprifing

the Affections, but on the Parts of the Body also; witness the Gasen Knight, mention'd by Mr. Hoyle, who could not the Gijeon Kingat, mentioned by Mir. Psyle, wan could not contain his Water at the playing of a Bag-pire; the Wo-man, mention d by the fame Author, who would burft out in Team at the bearing of a certain Time, with which o-ther Feople were but little affected: To fay nothing of the Library of the Lineauxia. We have an infinance in the Lilliery of the Authority, and the Library of the Lilliery of a Nutrient's being cared of a violent Kerver, by a little Concert eccentrally alwayd in his Royer. play'd in his Roo

playd in mis Koom. Nor are our Minds and Bodics alone afficiend with Sounds, but even insiminate Bodics. Kircher tells us of a large Stene, that would tremble at the Sound of one particular Organ-pips; and Merioff mentions one Petter, a Death saw, who could break Mummer-Claffics with the Toos of his Voice. Merjorne allo Ville us of a particular part of a Peternens, that would flake and tremble, as if Part of a Pavement, that would make and tremble, as it the Earth would open, when the Organs play'd. Mr. Royle adds, that Seats will tremble at the Sound of Organs, at that he has felt his Hat do fo under his Hand, at certain Notes both of Organs and Difcourfe; and that he was well informed, every well-built Vault would answer fume determines Nate. minate Note.

There is a great Diffuse among the Learned, whether the Antients or Moderns best understood and practifed Mathe Antients or Muderns bett underricod and practice Asse-fic: Sonne maintaining that the antient Art of Mofe, by which fuch wonderful Effects were performed, is quite loft; and others, that the true Science of Hurmony is now ar-tired to much greater Perfection, than was known or prac-ticed among the Antients.

This Point is no other way to be determined, but by

comparing the Principles and Practice of the one with those of the other

of the other of the other of the other was to the was a t metimes by Voices only.

Coole, fore-times with the Section 2. Coole, fore-times with the Section 2.

Their Musical Faculties, we have already different formations by Voice only.

Their Musical Faculties, we have already different formation of the Section 2. Coole of the

was any luch thing in their Days as noise in Pares. Occ Sympions, Synaulia, 25c.

The united Majical Notes are very mytherious and per-pleced! Berlin and Gregory the Great first put 'em into a more easy and obvious Menhod. It was in the Year 1804, more ealy and obvious Method. It was in the Year 1204, that Guide Arctine, a Benedictine of Arctimes in Togleany, first introduced the Use of a Staff with five Lines, on which, with the Spaces, he marked his Notes by fetting a Point up and down upon 'em, todenote the Rife and Fall of the Voice; the Kircher mentions this Artifice to have been in uso be-

Another Contrivance of Guide's Was to apply the fix Mu-fical Syllables nt, re, mt, fa, fol, la, which he took out of the Latin Hymn,

> UT queant Laxis REsonare filois Mira Gestorom FAmuli tnorom SOLve pollati LAlu
>
> O Pater Alme. LAlvi reatum.

Befide his Notes of Mofie, by which, according to Kircher, he diffinguished the Tones, or Modes, and the Seats of the Semi-tones, he also invested the Seals, and feveral Mufical Instruments, call'd Palyplesina, as Spiners and Harpsicords. Sec Note, GAMUT, Efc.

cords. See Norz, Granur, &c.

The next confiderable Improvement was in 1350, when

Sammet de Marit, Deftor at Parit, invented the different

Figures of Notes, which expects the Times, or Length of

every Note, at leaft their true relative Proportions to one

another, now call'd Long, Breece, Sami-breest, Crashett,

Osserte, &c.

The mode estima White, & M. C.

The mode estima White, &c. C.

Rambert, &C.

The most aptient Writer of Mafie, we have already obterved, was Lafas Hermismenfli; but his Work, as well as those of many others both Greek and Raman, are lost. Assiftszems, Diffsiple of Assiftszems, Elected Author of the Dispersion of the Subject; after him came Esseld, Author of the Planesser. mit on the Subject's after him came zustifs, Austroeft van Elements: schiling Geinellams were after Gese's time. Applas Hands next; after him Gunderlat the Philofupher. and Nomenta the Pythogenen, and Raccious. Of which feren Greek Authors, we have a fair Corp, with a Translation and Notes, by Sobbenian. Pathony, the celebrated Matthe-and Notes, by Sobbenian. Pathony, the celebrated Matthe-and Notes, by Sobbenian. Pathony, the celebrated Matthe-an More, by Sobbenian. Pathony, the Celebrated Matthe-tanian and Sobbenian Pathony. The Authority of Harmonics, about the time of the End the Pathon Pathon. This does thor keeps a Medium between the Pythagoreans and AriffaxeChay.

Of the Latins we bave Bornbins, who wrote in the time

of Threderie the Goth, and one Caffredows 3 about the fame time Martianus, and St. Asguftin not far remote. Of the Moderns are Zarlin, Salinas, Vincenzo Galileo, Doni,

Moderns are Zarim, Salimat, Fuecenso Galifeo, Doni,
Kricher, Merjone, Faran, de Caux, Perrault, Waliur, Des
Gartet, Höldifustrib, Malcolm, &c.
MUSIGAL Sund,

MUSICAL Notes, Norn.
MUSK, a kind of Perfume, of a very ftrong Scent; only agreeable when moderated by the Mixture of fome other Perfume. See PERFUME.

other Pertume. See PERFUME.
It is found in a kind of Bag, or Tumour growing about
the bignefs of a Hen's Egg under the Belly towards the
genital Parts of a wild Beat of the fame Name; and appears to be nothing elfe but a kind of bilious Blood there

congcaled, and almost correpted.

coognicid, and almost corrapted.
The Animal is pretty common in the Kingdoms of Bu-tan, Tingsin, and forme other, as Coder Chao, LCs. But Lan, Tingsin, and forme other, as Coder Chao, LCs. But They inhabit the Weeds and Forestit, where the Natives hant 'em down when the Beaft is kill'd, they cut our the Bladder mader the Belly, Feparate the coggulated Blood, and dry it in the Sun, where it is refaced into a light triable Sublance aimed of the nature of a Powder, of a dusky reddift Colour; and acquires a very fitrong and difagreeable Smell. It is then tied up again in Veffels, and exported to other Countreys; and this is the Mark which

What the Anticats have wrote of it, is fabrlow, which that it comes from the Tetlicles of a Cafter, which, to flop the parfait of the Henter, caffrates itself. The occasion of their Error may be owing to this the

their Arm lindy or owing to this, that among the Disability the Mork Asimal goes by the name of Coffee.

Mark is in condicated by ale among the Perfumers and Confectioners, tho much Tels now than formerly. It is flappoint to furify the Heart and Brain s, and is good against
Deatrics is but is little ufed in Medicine, as being apt to

Deathers of the states are an informer, as some appro-occasion the Vapours.

The Word comes from the Arabic Mofels, Musks whence was form'd the common Greek \(\mu \text{Pay}\).

MUSRET, or Musquer, a Fire-Arm bore on the Shoulder, and ufed in War; to be fired by the Applica-

tion of a lighted Match. See Firs. from.

The length of the Market is fixed to three Feet eight

Inches from the Muzzle to the Touch-Pan, and its Bor secure from the Nuzzle to the Touch-Pin, and its Bore is to be find has may receive Ball of as to a; in a Pound. Markers were antiently bore in the Field by the Infantry at prefern they are little useff afters in the Defence of Places. MUSKETOON, a little Mafquer, thorrer, the thicker than the ordinary Musfaset.

It is freed by the collision of a Steel and Flint in the Leek's a little for the property of the pr

whereas the Musquet is fired by a Match. Its Bore is a 38th part of its Length; and carries five Ounces of Iron, or feven and a half of Lead, with an equal Quantity of

Powder. MUSSLIN, MUSLIN, or MOUSSLIN, a fine Cloth, wholly of Cotton; to call'd as not being even, but having adowny Nap on its Surface refembling Nofs, which the Frence call d Mouffe.

There are various kinds of Muflins brought from the East-Indies, chiefly Bengall; Betelles, Tarnatans, Malemelles, Tan-

Index, checky Rengally Beteiler, Japinaton, consummer, tan-jebs, Terindamer, Dureus, &c., MUST, fuect Wine, newly preffed from the Grape; or the new Liquor prefe d from the Fruits before it has work'd or fermented. See Winn. MUSTARD, a Preparation of a Grain of that Name, ground or beaten up with Vinegar, or the Muji of Wioe;

whence in Nam MUSTARD SEED, in Latin Sinapi, gives the Denonation to a Species of Topical Medicines call'd Sinapolus.

See SINAPISM. Mustard-Seed is also used in preparing Chagrine. See

MUSTER, a Review of Military Forces, in order to take account of their Numbers, Condition, Accountements, The Word is form'd of the French Monfire, Specimen. Sec REVIEW.

See Naview.

Muster of Record (Sat. 18 Hen. 6.) is to be corolled in
the Number of the King's Soldiers. See Roll..

Musterna-Nighter General, or Mafter of the King's MusTills, is an Officer in an Army, who takes account of
every Regiment, their Number, Horfes, Arms, Se.

Musterna-Red, are Life of the Soldiers in every Troop,

Company, Regiment, &c.
MUSULMAN, a Title by which the Mahametans diffinguish themselves; fignifying, in their Language, True

niant. He was succeeded at a good distance by Manuel Believer, or Orthedox. In Arabic they call it Mossem, Mosseman, and Mosseman. See Manoneran.

The Name was first given the Surazens; as is observed by Leunclavas. There are two kinds of Muljulmen, very averse to each other; the one call'd Sonni, and the other

ey. The Sount follow the Interpretation of the Alcoran cen by Ower; and the Chay are Followers of Haly. The ubjects of the King of Perfia are Chay; and those of the Grand Signor, So. Some Authors will have it, that Muffulness fignifies Saved, that is, Predettinated ; and that the Mabamer felves the Appellation, as believing themfelves all Pre-

detlinate. Marinows is more particular as to the Origin of the Name. he derives it from the Arabo 700 Majalams, Saved, ta-ken out of Danger; and observes, that the Malouetins establishing their Religion by Fire and Sword, mastacred all those who would not embrace it, and granted Life to

all that did, calling them Meffelwans; i.e. Erepts è periculo, whence the Word, in courfe of Time, became the diffu-guishing Title of all those of that Scot, who have affixed to it the fignification of Tree believer,

to it the fignification or true between,
MUSCLMANISM, for Mation FTANISM.
MUTATION, the Act of Changing: or, fomerimes
the Change ifelf. See Change and Paniwartion.
"Tie one of the Laws of Nature, that the Matatrue of Motion is ever proportional to the moving Force imprefs'd. CC NATURE

MUTATION, in the antient Mulic, fignifies the Changes, or Alterations that happen in the Order of the Sounds which compose the Meledy.

Milfarents fays it is, as it were, a kind of Paffion in the der of the Molody. See Melour.

stiffareaus fays it is, as it were, a kind of Pattion in the Order of the Molody. See Mixtory.

The Changes are, first, in the General when the Song begins in one, as the General and pattles into another, as the Distance. Secondly, In the Systems as when the Song pattles out of one Torachard, as Moss, into another, into another, as the Distance of Control of the Systems as when the Song pattles out of one Torachard, as Moss, into another, as Diagragmenon; or more generally, or contrarily, i.e. pare place of the Scale to a lower, or contrarily, i.e. pare of it is fung high, and part low. Thirdly, in the Mode of place for the Scale to a lower, or contrarily, i.e., pair of its fough high, and part low. Thirdly, in the Mode or Tone, as when the Song begins in one, as the Dorle 3 and Dorle 3 and the Song begins in one, as the Dorle 3 and tem Gay and Sprightly, to become Soft and Languith, on the Song change the very lift, for as trem Gay and Sprightly, to become Soft and Languith, on the Experision of Gome other.

MUTE, in Grammar, a Letter which is not founded, the Song Community and Community of the Com

hard in the Promaciation; or a Letter which is not forecard, or Sound of itself and without a Yowel. See Letter, a The Confenants are ordinarily difficultified into Masses and Liquids, or half Yowels. See Consonant. and Legans, or nati vowers. See Consonant.

The Mates in the English Alphabet are Eleven, via. B.
C. D. G. H. K. P. Q. T. They arosal'd Mates because
a Liquid can't be founded in the fame Syllable before

a Liquid can't be founded in the fame Syllable before them, as reps. but a faster may be prenounced in the fame Syllable before a Liquid, as pre, See Liquid.

Muyx, Demb, a Perfor that cannot fpeak, or has not the use of Speech. See Duminists.

Mater and Dumif; make their Fortune in the Grand Signor's Seraglia. The these ferve as Executioners to take

Persons of the first Rank. Mure, in Law, he that flands Dumb, or Speechlef

A Prifoner may fland Mate two manner of ways; r. When he fpeaks not at all: In which Cafe it is enquired, who-ther he fland Mate of Malice, or by the Act of God; If by the latter, then the Judge, ex Offices, ought to enquire whether he be the fame Person; and of all other Pleas, which he might have pleaded if he had not flood Mare,

a. He is faid to be Mare when he pleads not Guilty, or
does not directly answer, or will not put himself upon the aquest to be tried.

MUTILATION, the retreeching, or cutting away of any Member of the Body.

The use of the Word is also extended to Statues and

any Member is broke off.

Murizarion is fometimes underflood in a more imme-

diate manner for Cafination. See CASTRATION.

MUTUAL, a relative Term, decoting formething that is reciprocal between two or more Persons. See Receive Company of the Castra Cast

Those we fay Matural Affiliance, Matural Amerikan, &c.
There are Matural, or reciprocal Duties, Offices, &c., between Superiors, and Interiors; the King and his Subjects; the Mafter and his Servants, &c.
Vangelas makes a Diffinction between Matural and Reciprocal. Natural, according to him, is understood of what is between two only 5 and Reciprocal of what is between more than two. But this Decision is little regarded in

common ufe.

7 Q

A MUTUAL Tollawest is that made by two Persons leaving their Effects reciprocally to the Survivor. MUTULE, MUTULUS, in Architecture, an Ornament, orherwife call'd Medelson. See Modelson.

The only difference between Matule and Modillion con fills in this, that the former is used in speaking of the Do-ric Order, and the latter in the Cornibian. See Donic,

The Mutules in the Dorie answer to the Triglyphs; whence

The Matales in the Lone answer to the transports whence fome make Gatte, or Drops to hang. See Guttas.

MUTUUM, in the Civil Law, is a Loan fimply for call'd is or a Contraß introduced by the Law of Nations, wherebya thing conditing in Weight, as suppose Bullion in the Civil Law. Number, as Money; or in Measure, as Corn, Timber, Wine, &c. is given to another, upon Condition that he shall return another thing of the fame Quantity, Nature, and Value on demand.

therefore is a Contract without Reward ; So that where Use or Interest arise, there must be some particular Article in the Contract whereon it is sounded.

Article in the Contract whereon it is founded.

MUZZLE of a Gun, is thrilly the Moulding or Circle
which incompaffes, and fitting them to Moulding or Circle
which incompaffes, and fitting them a Pair of Mufcles thus
call'd, because arising about the backfide of the Molares, or
Grinding-Teeth, and inferted into the Ligament of the ongue; helping to pull it upwards. See Tongue.
Thefe are the lame with what Mr. Comper calls Styleglef-

CC STYLOGLOSSUM MYLOHYOYDEUM, in Anatomy, a broad, but floor Muscle lying immediately under the Biventer Muscle of the Jaw, and which fpringing from the lower Margin on each side the under Jaw, is inferred into the Basis of the O

Hyoides. Sec Hyordes. Befides the common Use ascribed to this Muscle, which Benecis the common Use attended to this Musicle, which is to move the Hysinder, the Tongue, and the Laryus both upwards, inwards, and fide-ways; its Series of transferric Fibres have a further use when it is at reft 3; and that is to compress the Glands under the Tongue, and by that means promote the discharge of Saliva into the Meauth from the lower fallival Ducks. Whence it is we use this Musicle when

fower falival Ducks. Whence it is we use this Muscle when we want Saliva in the Mouth. MYOCEPHALE, in Anatomy, a little part of the Ti-nics Urca; so call'd, as resembling the Head of a Fly. See Uyra.

The Word is form'd of the Greek mule Fly, and separk, Hea MYOLOGY, in Anatomy, a Description of the Muscles 5

or the Knowledge of what relates to the Mufcles. See MUSCLE. Anatomy is divided into Oftenlogy, Myology, &cc. See

ANATOMY The Word is form'd of wie, wil , a Muscle, and xy 9, Discourfe.

MYOMANCY, a kind of Divination, or Method of fore-telling Events by means of Mice. See DIVINATION. Some Authors hold Myswaney one of the most antient Kinds of Divination; and think it is on this account that Ifaiab, lavi. 17. reckons Mice among the abominable things I Jisiah, kwi. 17. reckons nuce among me asommanie umgs of the Idolaters. But befide that it is not certain the the Belwew Word TIDU ufed by the Prophet, fignifies a Meufe; 'tis evident it is nor Divination by that Animal,

Moufe; the evident's is not Drivation by that 'Animal, best what will, shere folkeof by that the cating it.

ANTOTES, Perforas who are finer-fighted; set, as we pendarly callib, "Petinds, Geo GrourDrivate Conference of the Conference of Chieffe conferedly, and was once difficulty. See Movers.

The deficile of Mayor is now in the Opic Norres, the Pull, or the like is but in the Ferm of the Crystalline, or the distince of the Norres from the fame. The Crystalline, the line of the Chieffe conference of the Confe be render of more Convergent than ordinary in patting thro the fame (fee Repractions); by this means they will be brought to meet, or concur at the lefs dithance from the Crystalline; fo that if the Retina be at its ufual diffance, they will concur e'er they exach it. "The the on great nearners, them, of the Retinato the Crystalline, that condi-stants the Model."

nearons, then, of the Reinian the Coyfulline, that condi-ues the Afgoign.
Afgort have their sight very durable; and rarely come one objective. See Systems can be composite Defect, are call'd Probject. See Prassyru.
The Word is form'd of rows, Tyy by trasion remose Objects appear to them like Tiles; or, pechage, by reasion the lance Conformation of the Eye is deferred in Files. Sight, when directed to remove Objects. See Vision, See Sight, when directed to remove Objects. See Vision, See

SIGHT, Ec. The Myssia is owing to the too great Convexity of the Ball of the Eye, and particularly of the Crystalline; whence it happens that the visual Rays concur before they reach the Retins. See Myores.

For this Reason, to see an Object diffinelly, they must ither apply it close to the Eye; or use a concave Glass. See

CONCAVE.

The Myspia wears off by time, the Eye growing flatter and flatter as Perfons draw towards old Age. See Eyr.

MY OTOMIA, from use Myspials, a Muscle, and rigner fee, to cat; is a Diffection of the Muscles.

MY RIAD, the Number of Ten Thousand.

Whence Myrarcha, a Captain, or Commander of Ten

MYRMECIA, in Medicine, a kind of Wart growing on the Palm of the Hand, and Soal of the Foot 5 hard, and lefs than thofe call'd Thymi: they have also deeper Roses, and are more painful. They are usually broad at bottom, and are more painful. and narrowat top.

and narrowat top.

MYRMIDONS, MYRMIDONES, in Antiquity, a People
of Thessigh, stabled to have arose from Ants, or Primiters, apon
a Prayer put up to that purpose by King Lates to Superior,
after his Kingdom had been dispeopled by a severe

In Hower, and Virgil, the Myrmidens are Achilles's Sol-

MYRMILLO, a kind of Gladiator in antient Rome;

MYRMILLO, a sind of Usicarror in anima reme ; all d allo Marunalio. See GLADIATOR.
Therebas derives the Name from the Myrmidots.
MYRABOLANS, a kind of Medicinal Print, brought from the Index; much more afed in the Arabic than the

from the habit; much more stell in the colois bean the Greek Pharmacy a and more money the Amirens than the Moderney and fine more chrone than in England.

Discourse, of a pellumin expland, the Moderney and the land of an Ultra. The ferend call'd Mady or Johns Myssielans, which was a state of the Moderney and the first of an Ultra. The ferend call'd Mady or Johns Myssielans, which was the modern than the color of the Moderney than the Moder

The Word comes from the Greek ubon Univers, and used Acorn; as being in form of Acorns, and used in Medicine

MYRRH, a kind of Gum, or Refin iffuing, by Incifion, and fometimes spontaneously, from the Trunk, and larger Branches of a Tree growing in Arabia, Egypt, and especially Abylinia. See Gum.

Anythman are not agreed about the Tree which produces this Gam: 'Tis true, they all make it finall, and thorn; i but diffagree about the Form of its Leaves.

The Incifions are made twice a Year, "d the Mynth coming out is received on Rufh-Mans, difforded under-

The Druggists fell two kinds of Myrrb, viz. Myrrb in tars, which they call Statle; the other Ungulata, or

Tears,

Nail d.

Of the first kind, the best is in bright yellow, transpa-rent Deps, friable, light, of a strong disagreeable smell;

But this is very zer s and most of that in ale is the Naild
Myris, so call'd from little white Spots observed thereon,
much like those on the Nails of the Fingers. The best is in
lived Master, or These, red, and versity are; tables where little Maffes, or Tears, red, and ransparents which, when broke, contain a kind of unctuous Liquor, the most precious part of the Myrth, and the real State of the Antients. See STACTE.

Corallize, and others of a Gum congealed and condenfed. MYRTIFORMES Carancale, in Anatomy, little Ca-

MYRTHORNES Carmendes, in Anatomy, tutle Carandes, or fler fly Koots adjoining to, or rather in the Place of the Hymen in Wornen. See Carnella.

They are about the bignets of Myrtle-Berries, whence they take their Name 3 and are supposed by fonce to be largeft in Maids, and by degrees to grow lefs throthe use

of Venery. Others, and with more probability, derive them from the broken Membrane of the Hymen, whose Fragments shrunk up, they take them to be. See HYMEN.

There are two kinds of Myrile, Male and Female; the latter whereof produces the best Berries, and in the greatest

Quantity.

The Fruit is at fird green, but becomes black infection. The Fruit is at fird green, but becomes black infection, the state of the properties of

ultice Josse There.

MYSTERY, MYSTERYER, formenhing facert, or hidden is impossible, or difficult to becomprehended.

The Word is primarily yeld in faceing of certain Teuths revealed in Scripture, into the underthinding whereof listenses are presented in Scripture, into the underthinding whereof listenses are presented in the property of the property from the Helera TO Sam, to hide, whence is form't TOO Sam,

A hidden thing.

We have an Epitome of the Myfleries of Estab, or the Myfleries of Christianury, in the Symbols, or Greeds, compiled by the Apollies, the Council of Nies, and St. Athensius. See GREED.

jins. SOCCREEN.

In all thefe, mention is made of the Myflery of the Trimity a the Myfleries of the Incommon of the Son of God,
his Davis and Joyflery, and the Information of the Son of God,
his Davis and Joyflery, and the Information in the InformaDavy, has Afongline to Henrich, his filtering at the right Mental of
deal, and his coming agains to pilet the 18-12. Of the Dimimity, and Occquality of the 18-19 (Hold of the Parker
and the Son: Of the Unity of the Church of The
Commonative of Saints; a the participation of the Sarramons; as
of the govern Hedrarchico.

There are the principal Mysteries of Faith 5 which the Church declares necessary to be known and believ'd, in

order to Salvation. From the earliest Ages there have been particular Posti-vals inflienced by the Church in bosour of these Mysteries; a to return Thanks to God for having revealed them, and to oblige the Ministers and Pastors to instruct the People

therein. See FEASTS

Such are the Featt of the Myfiery of the Incornation, call'd also Christians; those of the Cocamariton, Passen, Referredion, &c. See Incarnation, Circumersion, Easter, Est-The Heathen

PHANY, Co.

The Heathern too had their Mylieries: The Egyptian
Priefis concealed the Mylieries of their Religion and Philofophy under Hieroglyphic. See HIEROGENTHIE.

Those who revealed the Mylieries of the Bana Des were
the Mylieries of the Bana Des were feverely punished; and none were trusted with them but those formerly initiated, and sworn to secrecy.

thole formerly initiated, and tworn to ferrecy. But thefe were not call'd Mylterer, as being incomprehenfable, or raifed above the ken of Reafon; but becaufe they were covered, and difguifed under Types, and Figures, to raife the greater Veneration in the People. The Mylteries of Paganifm were celebrated in Grono's, fitter to conceal Crimes than to hold religious Mylteries.

in.

In Scripture-Language, the Term Mystery is used with fome Latitude. He that reveals Secrets, (or Mysteries) maker known to thee what shall come to pas 3 Dan. ii.

29. There is a God in Heaven that reveals Mysteries, ib.v.

In which Places, Mystery is any thing not to be known

an which risces, segrenty is any thing not to be known without Divine Revelation. We fpeak the Wildom of God in a Myftery, which God had reloved before all Ages to reveal for our Glory. I Conefolved before all Ages to reveal for our Glory, 1 Cor. We are to be accounted (fays St. Paul) as Ministers ii. 7. We are to be accounted (1sy 8s. Pau). a Ministree of Jefas Cavil, and Different on the Appirers of God, and Different on the Appirers of God, and the God of God of

MYRTLE, MYRATLES, the Bernies, or Fruit of a Shrub in the Goffeel. Holding the Mylley of the Faith in a pare well known under the Name of Myrtle, proving common. Conference, I. Tw. iii. 9. When the feventh Angel begins in Journe, of Conference, I. Tw. iii. 9. When the feventh Angel begins in Journe, the Shyley of God final the Smith, to Good the Internet, the Shyley of God final the Smith, to Good the Myrtley of Two and the Shyley of God final the Smith, to Prophete, Reed.

In all which Paffages, the Word Mystery is taken for the fecret hidden Things, which God has discover'd by his Mi-nisters the Prophets, Jesus Christ, and the Apostles.

ifter the Fropacts, Jetus cannt, and the Apolica, or My-MXSTICAL, MYSTIC, fomething Allegorical, or My-rina. See MYSTERY, ALLEGORY, &c.

The Commentators on the Scriptures, befides a literal, find also a mylical and a moral Meaning.

find allo a mytreat and a moral necamp.

The Bible, they contend, is a Book written both within fide, and without fide. Within fide, with regard to the mytrati, internal, fublime, and hidden Senfe; and without fide with regard to the literal and grammatical Senfe.

our fice with regard to the unera and grammatical occur, immediately express dby the words. In effect several of the antient Fathers, and Doctors of the Church, understand the Books mentioned in Exect. ii. 9. and in the Appendix V. 1. which were wrote held within the and without, of the Scriptures.

The literal and my/tical Sense they think are here fairly

infimated. The Senie of Scripture, fay they, is either that immediately fignified by the Works and Expredition in the common off of Languages or it in mediate, failbline, typical, and mylitael's wherein the things themselves fignified, are munde to fignify ifflower and further things, according to the partial in Evings, and Interestion of God', and the Pro-Language of the Common of Common of the Pro-Language of the Common of the Pro-Language of the Pro-Language of the Common of the Pro-Language of the

perly:
And literal Metaphorical, where the Words are to be
underflood in a figurative and metaphorical Senfe; as
where the Reph-Eye is commanded to be plack'd out, See.
Wherever the proper literal Serfectontains any thing abfurd
or indecent, there recourse must be had to the literal Metashapical.

phonical.

All Scripture has a true literal Senfe, but not always a Myfrical one. We must always understand it in the literal Senfe, when it speaks immediately of any of the Laws of Nature, of Charity, of doing Good, when it gives us Instructions for the Conduct of Life, for the Regulating our Martin Charles of the Conduct of Life, for the Regulating our Manners, when it relates any Matter of Fact, or any Point

Manners, when it relates any manner of the formation of History.

The fame Paffage of Scripture has formetimes feveral literal Senfes, expressed and fignified immediately by the Words taken in their proper and their figurative Senfe, and Words taken in their proper and their figurative Senfe, and which appear to have been all intended by the infpir'd Person who spoke them, as having been to understand by which appear to have been all intended by the infigiral Perform who fipsed them, as having been to underficted by others of them. As those Weedian Hydro in: Hose are sy-stems of them. As those Weedian Hydro in: Hose are sy-stems are supported by the Research of the Research of the General Control of the Control of Jefan Chrift in times 1 and in 45 mil 35, the takes of Jefan Chrift in times 1 and in 45 mil 35, the takes of Hydro in the Weedian State of the Weedian State of the State of the Control of Hydro in the Weedian of the Control of Hydro in the Weedian State of Hydro in the General State of the Christian of Hydro in the Weedian on of Error and error the Cornhald of Mydro and we're out of Egypt under the Conduct of Mufer; and yet in Matth. ii. 15, they are underflood metaphorically of Jefus Christ. See Profuser.

The Myltical Sense of Scripture is that which the things

The Mythead Sonje of Scripture is trust which the timing express by the Word's Signiff pather is or it is a Geood Signification, and Expression signified by the first; this feed being experted immediately by the first; and medically by the Word's Benefiters. Witters allow of three courses of the significant of the s the Tropological Scufe

The four Senies, and their Applications are included in the Latin Diftich,

Litera gesta decet, quid oredas Allegoria, Moralis quid agas, que tendas Anagogia.

Sometimes the fame Word in Scripture is taken in all the SourSenies. Thus the word Jerufalem literally fignifies the Capital of Judea; Allegorically, the Church Militant; Tropologically and Morally, a Believer; and Anagogically,

Heaven Heaven.
So, that Paffage in Genefit, Let there be Light, and those
was Light; is fignifies, according to the Letter, Corporeal
Light; by Milgoryi, the Medfah; is the Tropological
Senfe, Grace; and Annogoically, the Light of Giory,
MISTICS, Myrriet, a kind of Religious Sect, diffinguifhed by their profeding pure, fublime, and perfect Detonies, with an intire distinctfied Loroe of God, free of

all felfish Considerations. See Pierrars, Molinosiars,

The Myfirs, to excuse their fanaic Extasca, and amoroas Extravagancies, alledge that Petinge of St. Pasi; Tek Spair pars us at by Sight and Gresan that are manterable. Now, if the Spirit, tay they, pray in us 4 we mult redge outleves to its Motions, and be fusayd, and guided by its Impulse, by remaining in a State of mere Inaction. See IRTION

Qu'arrisso.

Tative Concomplates in that State of Perfellen and Parlive Concomplates in the Source of Perfellen and Perfellen Concomplates and Perfellen and Perfect and Perfect

extraordinaty manner.

Among the Writings attributed to Dionyfius the Accomaging,

Among the writing attributed to Divergina use arrogaging, is a Difficurity of Orlygin Tables; Several others have wrote on the fame Subject, both Amients and Moderns.

MTTHOLOGY, the Hiftery of the fabulous Gods, and Hercos of Antiquity; and the Explanation of their Mylerics, of their Religion, their Fables, and Metamorphofes. See Gods, Failes, Metamorphoses, &c.

Natalu Comes has wrote a Mysbolery.

The Word is Greek, and fignifies a Difcourfe or Deferipion of Fables; from 100 Fabrila, and 200 Serme,

MXURUS, in Medicine, a Pulfe which is continually weakening by infentible Degrees; fo that the fecond Bear is fainter than the first; the third than the fecond, &c. Sec Pulse.

See Poles.

The Word is formed of the Greek player, like a Manfe's
Tail; which is compounded of use, Monfe, and seek, Tail;
the Diministration of the Palle being fuppoled like that of the
thicknets of the Tail of that Animal, which grows left from the Ruot to the Tip.



# N.

A Liquid Confonant, and the 15th Letter of the Greek, Latin, English, Ec. Alphabets. See 9 LETTER and ALPHABET.

Layrus and Arrivata.

No. Via a d., paired there the Nofe 5 for the Work 1 for the Nofe 5 for the Nofe 5 for m. M. Telde & Dangean oblevare, the status of the Nofe for m. M. Telde & Dangean oblevare, which is the produced for m. M. Telde & Dangean oblevare, the new teller than the new

Blemnia, Gr. the Latine Irequently suc Bissan, Gr. And the Greek a the end of a Mord, they convert into a m s<sub>2</sub> as assuages, Plearmaness, Gr. Nuclore p. had m, they change into m, and frequent-ly into I and n, as in-tada, illude 3 in-ries, triving, Gr. In which they agree with the Helevine, who, in like no I Nam, irrequently doubt the following Conformars 1 and the Greek; who do the Euros, as when for Mossilin, they write aussium,

The Greeks also, before z, y, x, r, changed the r into y: in which they were followed by the antient Romans, who for singular wrote Agglas s for among acceps, Ge.

The Latins rettench the n from Greek Nouns ending in

1 no Lamini retrement the n trom order Nouns ending in wy; as Man, Les i Agence, Drace. On the contrary, the Greeke add it to the Latin ones ending in 0; as ndmn, N, among the Antients, was a Numeral Letter, fignifying 900; according to the Verfe in Euromins,

#### N, quoque Nonzintos numero designat balendos.

And when a Line was flruck over it, N. Nine Thousand. Among the antient Lawyers, N. L. (food for Nort Ligare, i.e. the Casel's sore lear enough to pair Sentence upon. N°, in Commerce, USe, is used as an Abbreviation of Namere, Normber, Thus also in Medicine, Caryophylarum, N°, it fightfish fur Clork.

NABONASSAR, in Chronology. The Æra of Nano-NASSAR is famous. We know but little of the Hiftory of the Man; only that he was King of Enlylon, and was also tho' fome will have him the Baladan mencall'd Belefus ; call'd Eclejur; the 'Jome will have him the Beladam men-tion'd in Highst baxis. I. and a Kingyax. Ia. Some even conjecture that he was a Mede; and that he was fet on the Throne by the Balylonians, upon their rising and flasking off the Sabjection of the Medes.

The Beginning of this Prince's Reign is of great Impor-

The Beginning of this Pinne's Reigh is of great Impor-ance in Chronology by realow Plendery affiness as, there were Aftenomical Obfervations made by the Chaldeaut from Malouelfer to his Time: and Paleony, and the other Aftronomes, secount hielf Years from that Epochs. From the Obfervations quoted by Paleony, it follows, that the first Year of this Aften is the 1-47th Year before [Jelas Chris] and the 3-59th of the Julius Period. See

The Years of this Epocha are Egyptian Years, of 365 Days each; commencing on the 26th of February, and rec-kon'd, according to the Computation of Aftronomers, from Sec YEAR.

NADIR, in Affronomy, the Point opposite to the Zenith; i.e. that Point directly under our feet; or a Point in a right Line drawn from our Feet thro' the Center of the Earth, and terminating in the Under-Hemisphere, See

The Zenith and Nadir are the two Poles of the Horizon, each 90° diffant from it, confequently each in the Meri-

each got distant tour in consequency
dian. See Horston.

The Word Nadar is put addition.

The Word Nadar is the Asis of the Cone projected by
the Shadow of the Earth y thus call'd, in regard that Asis
being prolonged, gires a foint in the Ecliptic damerically
opposite to the Sun.

Land is the Asis Opposited Workshop on the NÆVI, in the Animal Occonomy, Marks made on the Fatus by the Imagination of the Mother, in longing for any

thing. See these accounted for under the Article Monster. See also Fortus and Inaginary that is, Swimming; a Term in Nalant, or Nayant, that is, Swimming; a Term in Heraldry, used in the blazoning of Fifthes, when drawn in an Horizontal Polure, Felswick, or transfersly, accoss the Escatcheo; that being their Swimming Pollare. See FISHES.

NAIDS, or NAIDES, a fort of Heathen Divinities, fup-MAIDS, or MATHES, BART OF ASSAULT DATES, SEE GOD. Strate-faye, the Naids were Pricticfic of Basechus.

The Word comes from the Greek value, to glide, or salur,

NAILING of Cannon, the driving of a Nail, or Iron Spike, by force, into the Touch-hole of a Piece of Artil-lery; so as to render it useless to the Enemy. See Can-

NAILS, in the Animal Body, a kind of horny Excref-cences, growing over the Ends of the Fingers and Toes of Men, and feveral other Animals; much of the fame na-Mon, and teveral other Animats; much of the Jame na-ture with the Hoofs of others. Hoofs being nothing elfe-but a Number of finall Husks, answering to fo many Papille of the Skin s it may be concluded, that Many papille of the Skin s it may be concluded, that was no more but the Covers, or Sheaths of the Papille Pyrami-dales of the Skin, on the Extremities of the Fingers and Toes, which dry, barden, and lie upon one another See PAPILLE Their Ufc is to defend the Ends of the Fingers in hand-

ling any hard and rugged Bodier; that Part being exceed-ingly fentible, by reaton of the great Number of Nerves which terminate here for the Senfation of Feeling. See The Nails are form'd, and grow after the fame manner

as the rest of the Body; their Nourishment they receive from their Roots, as is easily observable from the white Specks fometimes feen on them, and which constantly recede from the Root.

The Rowans were very carious in the Cutting of their Nails, and had it dose by Artifis, who made an Employment of it.

The Chinese Doctors and Litterati pique themselves on the excessive Length of their Muls. F. le Compte says, some of them wear Muls near as long as their Fingers. See Cir-

NAILS in Building, &c. are little Metallice Members, ferring to bind or faiten the Parts together, &c.

The feveral Kinds of Nails are very numerous. As Back

MAILS on Builders, U.C., sex linds Metallies Members, The cerest Kinds of Nulsi are very pursons. As Pale and Prints Nulsi are not an experience of the Nulsi are clarging and fleking, into the Wood, Prints the Wood, Alleger and fleking, into the Wood, I shall are not a print to be pale and prints, and the Nulsi are not a print to be pale and fleking, into the Nulsi are not a print to be pale and prints, fifth of Nulsi and Prints Nulsi are not a print to be pale and prints, fifth of Nulsi are not a print to be pale and prints, fifth of Nulsi are not a print to be pale and prints, and prints are not a pale and prints of the Nulsi are not a print to be pale and prints of the Nulsi and Prints and Prints

Nails are faid to be toughened, when too brittle, by heating them in a Fire-Shovel, and putting forme Tallow or

Greafe among thein. NAIL is also a feet of Long Measure, chiefly used in the mmerce of Cloths; containing the 16th Part of a Yard.

See YARD and M.EASURE.

See DIVINATION.
The Word is form'd from the Arabic Nairan, the Plural of Nair, Light

of Nist, Light.

NABSANT, in Heraldry, is applied to a Lion, or other Animal, flowing only the Head, Shoulden, Feer-foet, and Legs, with the Tip of the Tally, the reid of the Body lying hid under the Shield, or forme Charge, or Ordinary theretars from which is appears to be fitting or origing. No light of direct from (flown, in that the Samith is the real than the Samith is the same the bottom, of the Shield of Charge, See Issuarar. A Extensivire Issay, Nofficial in only wich for Animals, which flow who here Ited as a raffing or of the Externity of

E-Moneyfrer lays, Nailann is only used for Animals, which flow the bare Head as arising out of the Extremity of the Chief, or from above the Fefic.

NARED, in Architecture. The NARED of a Wall, &c. is the Surface, or Plain, from whence the Projectures arise; or which serves as a Ground to the Projectures. See Pao-

JECTURE. we fay, a Pilafter ought to exceed the Naked of

the Wall by fo many luches; and that the Foliages of a Capital ought to answer to the Nakes of the Column. See COLUMN, Ea NAKED Fire, is a Term used by the Chymists for an

per Fire; or one where the containing Veffel is imme-iately expored to the Fire. See First and HEAT.

NARED Seels, in Botany, are fach Seeds of Plants as are not inclosed in any Pod, or Cafe. See Plant and Seed. NAM, or NAMs, in Law, the taking, or diffraining another Man's moveable Goods. This is either lawful, or nnlswfol Lawful Name, is a reasonable Diffress, proportionable to the Value of the Thing diffrained for 3 and was autiently call'd other Vif or More, as it was made of quick

or dead Charrel or dead Churel.

In fig. either by the Common Law, as Amful Massel to sunther Scale doing therapp in his Ground; or by a Man's particular Fact, as by venfor of form Control, Co. And the too Nomanton, the Act of difficulties, or taking a Direction. See Diversals:

NAME, a Word, whereby Man have agreed to experi found the set of the Control of the Con

This the Grammarians usually call a Nown, tho' their Nown is not of quite fo much Extent as our Name. See

Noun.

NOUSE., Lib. II. de Benefuli, obferese that there are a green Namber of Things which have no Name; and which, therefore, we are forced to call by other borrowed Name. Ingent off, taylor, Remun Opis flow, Namise spat came propriit appallarinibus figurar non piglomes, allenis Accommedita since "Which flows why in the Courfe of this Dictionary, we frequently give very different Seefes to the fame Word. It was allow that full gave Things their Names, Grinti, 19. It was allow that full gave Things their Names, Grinti, 19.

Fermate, egitar, Dominus Deus, de bumo conflis Animantibus Terre, & Universis Volatilibus Geli, & omnibus Bessis Terre, adduxis ea ad Adam, us videres quid doctres Ea , omne evias quad vocavit Adam Anima Vrovnits splum of Nomen ejus. Vet. 20. Appellaving, Adam Nomimbus juss cunita Animantia, & universa Volanka Cali, & omnes Pofilas Terra.

Names are diffingusfied into Proper and Appellative. Proper Names, are those which represent some individual Thing, or Person, so as to diffingussish it from all other Things of the same Species: as Secrates, which represents

a certain Philosopher.

Appellatroe, or General Names, are those which fignify common ideas; or which are common to feveral indivi-duals of the fame Species, as Horfe, Animal, Man, Oak, & c. Proper Names are either call'd Christian, as being given at Baprism, or Sirnames: the first, imposed for diffinction of Persons; answering to the Roman Pronomen. See Pare-NOMEN

The fecond for the Diftinction of Families, answering to Namen of the Ramans, and the Patronimican of the

Sec SIRNAME.

Greekt. See Sinkship very Perion had but one Name; as among the Jesus, Adam, Ele. among the Espirant, Infinite among the Catalete, Nimus the Modes, Aftiagers the Greekt, Dismission that Romann, Romalus; the Grant, Dictitates; the Germans, Arivoiffus; the Britains, Caffelan 3 the English, Hengift, Ele. And thus of other Namons, except the Savages of Mount Alas, whom Pliny and Marcellinas represent as Are. namelefs.

The Jews gave the Name at the Circumcifion, viz. eight Days after the Birth: The Romans to Females the fame Day, to Males the ninth; at which time they held a Feafl,

Since Christianity has obtained, most Nations have fol

lowed the Jean, Espeizing, and giving the Name the eighth Day after the Birth; except our English Ancestors, who,

NAIRANGIA, a kind of Divination, in use among the till of late, baptized, and gave the Name on the Birth-drabt, drawn from several Phonomena of the Sun and Moon. Day. The first Imposition of Names was founded on different

Views, among different People; the most common was to mark the good Wishes of the Parents, or to intitle the mark the good winter of the Farents, or to matte the Children to the good Fortune a happy Name (form d to pro-mife: Hence Fitter, Cyffer, Faufin, Staterins, Frebst, &C., Accordingly we find latch Namer, by Cerer call'd Bose Nomes, and by Tacins, Faufia Nomine, were fitli first en-colled, and ranged in the Remon Mutters; first called to

terre at the first Sacrifices in the Foundation of Colonies, Se. And, on the contrary, Lies calls Arins Uniber, alomi-mandi ominis Nomen: And Plastus, on occasion of a Person named Lyon, i. e. Greedy Wolf, fays;

> Vosmet nune facite conjetturam certerum Quid id fit bominis, oni Lyco nomen fiet.

Hence, Plate recommends it to Men to be careful in Hence, Plane recommens it to Men to oc careau in giving happy Names; and the Pythagoreast raught expretly, that the Minds, Actions, and Succeties of Men were secording to their Names, Genius, and Fate. Thus, Penormitan, extino Nomine evitor bona Professpace; and the comwitten, ex bone Nomine orient bone Projempto; and the common Proverb, Bannes Nomen homen onen: And bence the Foundation of the Orasmatian. See ONOMANTIA.

Hence Canado takes it for granted, that the Nomes, in all the common of the Canado takes it for granted, that the Nomes, in all the canado takes it for granted, that the Nomes, in all the canado takes it for granted, that the Nomes, in all the canado takes it for granted, that the Nomes, in all the canado takes it for granted, that the Nomes, in all the canado takes it for granted that the Nomes, in all the Canado takes it for granted that the Nomes, in all the Canado takes it for granted that the Nomes, in all the Canado takes in the Nomes of th

Nations and Languages, are fignificative, and not fimple Sounds, for meer diffinction take. This holds not only among the Jews, Greeks, Latins, &c. but even the Turks; a-mong whom, Aldalla figuifics God's Streams; Solman, Peaceable; Mubomet, Glorified, E.e. And the Savages of Hispanio-la, and throughout America, who, in their Languages, nowe their Children Chiftering Light, Sim-Bright, Fine Gold, E.e. And they of Congo by the Names of Precious Stones, Flow-

ers, Sc.
To suppose Names given without any Meaning, however, by the Alteration of Languages, their Signification may be lott, that learned Author thinks, is to reproach our Ancestors 5 and that contrary to the sense of all antient Writers. Thus

Perplyry notes, that the Barbarous Names, as he calls them, were very emphasical, and very concife: And according-ly, it was effected a Duty to be opportunit, or fait Nominis Homines: as Scorres, Protein, and Aurelius, are called fait Nominis Imperatore And it was the usual way of giving Names, to wish the Children might discharge their Names: Thus when Gan-

Children might ditcharge their Names: Thus when Gas-brane, King of Forsee, named Chekerias at the Forse, he faid, Crifeat Pur, E bissus fit Namesia Executor. The aninest between, the fame duther adds, generally took their Names from Colours, because they passed them-elfects, which are now left, or remain bud among, the Wilds: When they were followed by the Ramons, they took Ramon Names; fome of which fill remain, corrup-

took Koudan Namers rooms or writer till Kristin, corrup-ted sho the greatest part are become exclided, upon the Admission of the English-Savons, who introduced the Ger-mon Namers, as Ciedas, Penda, Ojuvid, Edward, Ue. The Danes, too, brought with them their Namers; as Savays, Harried, Kriste, Ue. And the Normans, at the Conquest, Harrida, Annee, O. Annu the Northway, at the Company, brought in other German Names, as originally ufing the Ger-man Tongue; such as Robert, Williams, Richard, Henry, Horb, &c. after the same manner as the Greek Names, Apaline We, after the name manager as the Greek Assumes, superpose, Berthins, Symmachus, &c. were introduced into Italy, upon the Divition of the Empire. After the Conquest, our Nation, which had ever been averse to foreign Names, as deeming them unlucky, began to take Hebrew Namer; as Matthew, David, Sampson, &c.

The various Names antiently, or at prefent obtaining a-mong us, from what Language or People foever borrowed, are explained by Camden in his Remains.

As to the Period when Mawer began to be multiplied,

As to the Period when Namer began to be multiplied, and of immer introduced, G.F. Dec SIRLAMAN. And and of immer introduced, G.F. Dec SIRLAMAN. In the property of the propert

feems, is usual in other Countries. Thus, two Sons of Henry II. of France, chiltical Alexander and Hercules, chan-ged them at Confirmation into Henry and Francis. In Monatheries, the Religious assume such Names at their Admittance; to show they are about to lead a new Life, and have renounced the World, their Family, and even

'twas done in Imitation of St. Perer and St. Paul, who were first called Sauon and Saul. Indeed Pope Marcellu, of late,

refused to change his Name.

In Italy, 'tis frequent to join the Name of some Saint, in a kind of Devotion, to the Christian Name; as Joannes Baptifta Spinofa, &c. Among the Antients, those deified by the Heathen Con-

fecrations, bad new Names given them; as Romalus was cal-led Quirinus; Melicertus, Perturus, Scc. Sec Consecu-

New Names were also given in Adoptions, and fornetines by Testament; thus L. Æmilins, adopted by Scipio, took the Name of Scipio Africanns; and thus Angujins, who was first called Thurson, took the Name Offician by Testament. See ADOPTION.

Names were also changed at Enfranchisements into new Cities. Thus Lacouse, at his first being made free of Rane, took the Name, Lucius Tarquinius Prifess, &c. and Slaves, when made free, usually affamed their Masters Names. See

FREEDOM, SLAVE, Co. Those called to the Equetirian Order, if they had base a note caused to the Equetitian Order, it they had bafe Names, were always new anned, Nowiner Ingenievas serrous; Romanserus. And among the Primitive Christians, it was the Pratice to change the Names of the Care, thumens thur the Renegado Lucianus, till his Baptifin, was

called Lucius.

Of the Name, a Phrase, or Diction frequent an Of the Name, a Phrafe, or Diction frequent among Hildrains and Gencalogifist, to denote Perfons of the fame Quality, and Name. Tis near nine handred Years fines the Emperors of the Well first began to dittinguish them-felves in this manner by their Numbers, and in the Italia. lelves in this manner by their Number; and in the Italia. Sacra of Ughellur, we meet with a Charter of the Emperor Lawir le Deloomaire, Anno Syll. wherein be filles himfelf the Fift of the Name. Le Elane mentions a Charter of the Year 1084, wherein the Emprore Henry III, tilles himfelf King of Bally, the Fourth of the Name; and Emperor, the Third of the Name

Third of the Name.
Some French Wittens observe, that in a Massofrip proSome French Wittens observe, that in a Massofrip proSome French Wittens observed to the Name of the

NAPE, is used for the hind-part of the Neck; by rea-fon of the foft fhort Hair growing thereon, like the Nap of a See NECE.

NAPHTA, or NAFTHA, a kind of liquid Sulphar or Bitumen, very foft, and inflammable, exading out of the Earth in feveral Places in Chaldea; particularly the Place where flood the antient English; and fill found in feveral

where theord the antent Fabyins and IIII touton in reveral Provinces of Indiay and France, particularly in Amorgue, and near Rangia. See SULPIUR and BITMENN. That of France is fort and black, like liquid Pitch, and of a feetid Smell; that of Italy is a kind of Petrol, or a clear Oil, of various Colours, occuping out of a Rock, finate on a Mountain in the Durchy of Madrice. See Petrol.

Monants in the Darchy of Malous. See P.T. 2002.
Naples is elected percentage, refloative, and value the
Naples is elected percentage, refloative, and value
the
Ulo is to Lamps, &c. on account of its Inflammability.
The Tarks call the Naples, Canada dokts, black Maßte,
to distinguish it from Pitch. Naples has an expect fi Teached
Silvenics, of mere force than any other Blusmon.
The Word, in the original Chaldes, fignifies fillers, to
one, or drapp, lapsels, accessing on Pitps, remning like a
cone, or drapp, lapsels, accessing on Pitps, such gibts

kind of Birumen. NAPIERS, or NEPERS Boner. See NEPERS Bones.

NARCOTICS, in Medicine, Opiates, or Medicines, that excite Drowfines and Sleep. See Or 1 ATES.

Narcotics act, by calming and diminishing the Motion of

the Blood and Spirits. the Blood and Spirits.

Authors are of various Opinions, as to the Manner wherein Namesier operate. The Anients rell us, "the by their
ground in nature. Emailty, after Wills", takes the Animal Spirits to be compoted of a fluid volatile Salt; as
thinks they are diffiched by the Mixtures of Sulphans and
Olls, whereasith Namesier abound. M. Andry's Opinion is,
that the Salt of Namesier, difficient is any Liquor whatever, and that their ramous Branches becoming thus difengaged and that their ramous Branches becoming roas dilengaged from the Saits, are embarshed among one engenter, and that flop the Courfe of the Blood and Spirits. Latily, other think, that Narevier clot the Crifices of the Nervos and thus block up the Paffage of the Spirits.

Linder, in his Treatife de Fenesis, thinks, that the Operation of Narevies is not the fame in all 3 Drowfiness being

being producible from a great Variety of different Caufes.

The Word comes from the Greek requirely, of require,

NARRATION, in Oratory and History, a Recital, or Rehearfal of a Fact as it happen'd, or as it is supposed to have bappen'd.

have bappen'd.

This is of two kinds, either Simple and Hifferical; as where the Auditor or Reader is supposed to hear or reader of a Transaction at second hand; or Artificial and Falsact, as where their imaginations are raised, and the Action, as it

as where their imaginations are faucti, also use already, were, re-action before them.

The Narraison, according to the Writers of Rheetoric, makes the fectoral part of a just Speech, or Harangue; we, that immediately following the Esperium. See ORATION.

that immediately following the Extension. See Charton. It makes the whole of a Hisbry 1 shading for the occitional Reflections, Epifodes, and Digertifism. See Hisroan. Cover request four Virtues in a Narrosion, us., Parligation, Production of the Charton of Times, and by receiving the Alico assimerapizedly. It is rendered produce, by the Chertolity of the Narrasion in the Simple of the Narrasion, by the Simplexity and Opennets of the Narrasion, by Charton of the Char Opinion of Mankind, and by a precise Detail of Circumaccs.

fluxcs.

In a rendred freig, by taking it up no higher than is jult socrellarly not feething it back, so that importance dauber to move the general feeth represented above to move the general feeth representation of the state of the state

See ACTION. P. Beffit observes, that the Actions in Poetry are equally susceptible of the two kinds of Oratorial Narration; and that

succeptible of the two kinds of Oratorial Narraisus; and that cach confiltrates a particular Species of Poetry.

Those under the Artificial, or Active Form, are now call'd Drawaite. See DarAma.

And those only related by the Poet, who here perfonance an Historian, are call'd Epic. See Eropra.

Is the Drama, the Narraison in the whole of the Piece 5 in the Expans, the Narranov is the whole to the seces-in the Expost, its only a Part, tho 'in effect it is the prin-cipal Part, and the Body of the Form. The proceeds by the Properties and Investion, which Police calls the Problems and is temperature to the Police of the Police of Con, demanding Pardon, Paron, Ed. See Invocation,

The Narration includes the whole Action, Epifodied, with all its Circumit ances and its Ornaments. See Er 150 D.R.

'Tis in this Part that the Action is to be begon, carried on, and ended. "Tis this, is to shew the Caufes of all that is related: in this the Difficulties are to be proposed and rerelated: in this the Difficulties are to be proposed and re-folved, and the Perfous, both human and dwine, are bere to fixew their Interests, their Manners, and their Qualities, by their Adisons and their Difficoratie: and all this is to be described with the Beauty, the Majethy, and Force of Verfe, Stile, Scattments, Comparition, and other Orna-ments proper to the Subject in general, and to each thing

ments properties in particular.

The Qualities of the Epic Narration are, that it be agreeable, probable, moving, furpriting, and active.

Horare freaks of the Utile and Duice as on the fame Footing.

Foffs looks on the Utile as an effectial Property; and

ing. Foffs looks on the Unite as an encountry the Duler as no more than an additional Quality.

NASAL, fomething belonging to the Nofe, Nafus,

NASAL, tometaing belonging to the Note, Najar. As No Noice-Reco of Alleinet, Ed. Term applied to the fee Nasate, in Grammar, Us. a Term applied to the fee Nasate, in terms, in whole Formation, the Nofe is the principal Organ; and particularly where the Sound formal a patfed their othe Nofe. See LEYERS. A Novel Zinfijfe Words, the Sounds expectled by the Characters are, ori, ins., as es fimple Sounds; and pro-

Masalis Invitis, &c. The Primitive Christians, finding it thus citablified, used it in the same manner; and honce we meet in the antient Marryrologists with Natalis Calycis, for the Peast of the Supper, or Manualcy-Thursday. Natalist Cashedra, for the Pontificate of St. Peter: The Natalis, or Natalisians of fuch a Church, for the Feast of the Dedica-

The Word Generalism is used by the Greeks in the fam fenfe as Natalis, or Natalesians, among the Latins.

The Ludi Natalini, Natal Games, were Games introduced on the Anniverfatics of the Birth-Days of their great

The Natal Ring, An wore on the Birth-Day. Annulus Natalatius, was a Ring only

NATES, in Anatomy, a Term expressing these two stelly Parts of the Body, popularly called the Hips, or Butterke

NATES Cerebri, are two Circular Protuberances of the Brain, fituate on the back-fide of the Medalia Oblomata, near

the Cerelellum. See BRAIN.

the Certelium. See B. R. A. IN.

NATION, a Collective Term, used for a confiderable
People, inhabiting a certain Extent of Ground, enclosed
within certain Limins, and under the fame Government,
Each Nation has in particular Character: The proverbilly faid, Light as a Frendman, Waggish and Silly as an
Italian, Grave as a Spaniard, Wicked and Unlucky as an
Englishman, Ferce us a Governm, Drunken as a German, le as an bishman, Deceitful as a Greek, &c. Nation is also used in some Universities, for a certain

Diffinction of the Scholars, or Profeffors of Colleges: Thus the Faculty of Paris confills of four Nations; was, that of France, that of Normandy, that of Preside, and that of Germany; which are again, excepting that of Normandy, diffinguiffeed into Tribes; each Tribe has its Deacon.

guineu noo armets cach tribe havita Deacon.

The German Nations comprehends all forcign Nations,
English, Italians, &c., When the Procureur of the French
Nation Speaks in publick, his Sidie is, Homeranda Gallen
Nation. He of Fixendy Says, Fidelifons Peartnerson Nation
Nation He of Pearedy Says, Fidelifons Peartnerson Nations. He of Normandy, Veneranda Normanuscum Natio. He of the

Deed.—Serve cimus alos Bondos acumsa ales naturos, ales villanos. Bondi jost que pallonis l'incule je adjivinscenst. De Nativit, infre. l'ilème fant qui Giche alcripti l'ilòme colon Dominicam, noc exisc hecs fine Domini Licary. Bollom. NATIVA: Tenente, in our old Law-Books, are Tenante alvo bold Native Land; i. e. Land fullycêt to the Services

Honoscorz.

who hold Maine Linds J. to Land fully for to the Services of Nizeres, Sylveny, never Villada no Road-mon by Birsh or Family———There were also Mariei Conventionally, the or Family———There were also Mariei Conventionally and the supplies, did redoppines, also face also areas, also fail, and it emploses, did redoppines, and fine week areas, also fail, and it is experiently also fail to the supplies of them was free, and the other a Villain.

Bratten Life A.

NATIVITY, Natal-Day, or the Day of one's Birth.

The Term is chiefly used in speaking of Saints, &c.

The Natury of St. John Roppil, &c. When we say absolutely the Naturey, it is understood of that of Jesus Christ, or the Feast of Christman. See France.

or the Feath of Chylman. See Fanar.
"Tis commonly beld, that Page Chylphens was the first
who decreed the Feath of the Nation's to be held on the
who decreed the Jean of the the American that the
upon the Nation's of Jedus Christ, Chates, that at the
first flance of St. Cyrd of Heydrides, Pope Julius procured a
first longing bot mode into the Day of our Saroner's Natistry which being found to be on the 17th of December,
they begun themselven to recibe true the Feath on that Day.

See CHRISTMAS. In antient Law-Books, Nationty, National, fignifics Bondage, or Servitude. NATIVITY, in Astrology, the same with Horosope. See

Casting the Nativity, or by Calculation seeing to know how long the Queen should live, &c. was made Felony.

dust like, es.

NATRON, or Anavagou, in Natural History, a kind
of black, greyiff fails, taken out of a lake of fligonar
Water, in the Territory of Terman in Sign. See Sarx.

"Tis much of the nature of Nitre, whence it is called
Regionar Nitre, and it care happed to be the proper his
tre of the Antients. See Niva a.

"It is popular Ziror, when all Boost or Stones thrown
that is proplate Ziror, that all Boost or Stones thrown
makes a great flealilition, who mixed with Aclais, whence
it is washed as of the Miltal' Kind.

makes a great Ebullities, when mixed with Acids whereas it is ranked as of the AltaH Kind. It is the same of the AltaH Kind. It is the same of the sam

Air.

Di. Honimpton, who was on the sport, says the Narom is thought to rife from the bottom of the Lake; where, by the Heat of the Sun, it is condensed, and hardened into the Form we fee it in: But his Opinion is, that it rather separated by the Sun from the Water.

M. A. Lee Nawly and did there are four Down before the M. de la Chambre adds, that three or four Days before the

Nile begins to overflow, there fulls a certain Dew, of a fer-mentative Vertue, informuch as to leaven a Paile exposed to

it, and that at the fame time the Natron rifes it, and man a rue same time the Disjourner, &c. mention it as of use in Phylic; and M. &c. Cles is even of opinion, that all the Mineral Waters of France are imprognated with this kind of Nave 3 and that 'tis hence they derive their Medi-

It is of fingular Efficacy in fertilizing of Ground; which It is of inquiar Lineacy in tertilizing of Ground; which be accounted for, by (appending its volatile Particles heated by fome fubberraneous Fire, or by the Warmth of the Sun; and thus readily made to affected up the misute Tubes of Plants, and carry with them the Juices of the Farth. Earth.

Pliny derives the Invention of Glass from some of this

Piny derives the lovenine of Glafa from forme of the Norma excitosally method down into the Stanl, where it was not foreast of Glafa. See Gaasa Stanley of the Stanley of the Stanley of the Games of Glafa. See Gaasa Stanley of the S

Salies-Cirinous; which is a Composition of Sal Armonic. See Sal Amoustace.

A MANONIAC.

A MANONIAC.

A MANONIAC.

A Tamos arting in feveral Pars of the Body.

A Tamos arting in feveral Pars of the Body.

A Tamos arting in feveral Pars of the Body.

A Tamos arting in feveral Pars of the Body.

A tamos arting in feveral Pars of the Body.

A tamos defines in a large, fort, redding, seisfal Tumor,

arting utually on the Back, tometimes on the Shoulders it

foreithment of the Body.

A tamos arting arting the Body.

A tamos arting arting the Body.

A tamos arting arti

They are of the Oedematous Kind, and are to be extir-pated by Incition, and their Return prevented by red pre-cipitate, Vitriol, or burnt Allom frewed on the Place. cipitate, Vitriol, or burnt Allom strew'd on the Place.

Bartholine mentions a Lady, who cured herself of a Nat-

Earth-to-line mentions a Listy, who cured notice if a Neutra, by biting it off.

NATURAL, foundthing concerning Nature, belonging to Nature, artifug from a Principle of Nature, or conformable to the ordinary Courfe and Order of Nature. See Na-

When a Stone falls downwards, we vulgarly fay it does to by a Natural Motion; but if it be thrown upwards, its Motion is faid to be violent. So Water fulpended in a fucking Pamp, is faid to be cont of its Natural Place: Cures wrought by Medicines, are Natural Operation; but the miraculous to you do the Christ, Supernatural. See Surgar.

NATURAL, ESC. NATURAL Children, are those born out of lawful Wedlock. See BASTARD.

NATURAL Horizon, is the fenfible or physical Horizon, See Houszon.

NATURAL Law. See Law of NATURE. NATURAL Day, See SDAY. NATURAL Par, See YEAR.





Circulation, which is confpicuous in all the Secretions per-formed within the Body's that Secretion alone excepted, which is made at the Origin of the Nerves: See FA-NATURAL Fundions, in the Animal Occonomy, are those

Actions whereby things taken into the Body, are changed, and affimilated, fo as to become Parts of our Body. See FUNCTION.

These are the Actions of the Viscers, the Vessels that receive, retain, move, change, mix, fectro, apply, ex-OESTION, NUTRITION, &c.

NATURAL PRIMARY AND ASSESSED A

and that of others 3 both fill/with regard to his Will who gave them Being. If peaking, there is but one Love in God, sue, that of himfelf s io he only imprefiles one Love or Define in us, which is that of Good in the second. Tisting second Love, or Define, is the Principle of all our particular ones; as, in 6fect, vis the Will intel<sup>†</sup>: The Will being defined to be a contoual imprefileo or the Author of Nature, which carries the Mind of Man, to Good in general. See Will.

Burthel mpreffion towards Good in the general, doth not only proceed from God, but also all our inclinations to particular Goods; as, e.g. Self-preferration, &c. See

Passion.

Natural Hillery, a Defeription of any of the Natural Products of the Easth, Water, or Air 3 v. g. Beafts, Birds, Fiftes, Metals, Minerals, and Folials 3 together with fuch extraordinary Phanomena, as at any time appear in the Material World 3 fuch as Moteots, and Monflers, &c. See

Befide General Natural Hiftery, as those of Pliny, Sce-there are Particular ones; and that of two kinds: The first, those which only consider one kind of Things, such

fifth, these which with confider one kind of Things, fields are the littley of Stall, of Dr. Libers, of Pisses, of Williags, by these of bridge, of the classes, in the classes of the classes, in the classes, in the classes, in the classes of the classes, in the classes, in the classes, in the classes of the classes, in the classes of the

fier. · See Physics. NATURAL Marie is that which only makes use of natural

Causes. See Magic.

HISTORY.

Casées. See Madic.

NATURAL Casée, fee Cause.

NATURAL in Heraldry, is afed where Animals, Fruits,

Flowers, Ex. are blazeo'd with the Colours they naturally
have, the different from the common Colours of Heraldry;

have, the different from the common Colours of Heraldry; have, the different from the common Colours of Hetaldry and this is to prevent the Atmories being accus'd of Fal-fity, when blazen'd with the Names of Colours unknown in Heraldry.

in Heratory.

NATURAL, in Mufic, is used variously. Sometimes, it is taken for Distance; and sometimes for Psysical, in which latter Sense, Natural Modes is that performed by Natural Organs, 1. e. vocal Music, in contradistinction to Artificial,

or Inftrumental. or instrumental.

NATURAL Harmony is that produced by the Natural, and Edential Chords of the Mode. See HARMONY.

NATURAL Note is edded in opposition to Flat and Sharp Notes, which are call'd Artificial Notes. See Note,

SCALE, EG NATURAL is also used for something coming immediately out of the hands of Nature, in opposition to Essisium, out of Artificial, which fignifies something wrought by Art.

Bishop Wilkins observes, that there appears a world of distinction of the control of the c

all imaginable Elegance and Beauty; the latter, the the most curious in the World, infinitely rude and unhown; The finest Needle appears a rough Bar of Iron; and the most accurate Engraving or Embellment, as if done with a Mattock or Trowel.

a Matrock or Trovel.

ANTURALIST, a Perfon who has findical Nature, and
is well verified in Natural Bodies, elpecially is what relates
is well verified in Natural Bodies, elpecially is what relates
to Montals, Minerals, Bottees, Vergenbies, and Animals.
Animals, Allian, Plany, Johnson, and Teesphealite were
the greated Naturalish among the Animacs is but they fill into thousbase of Errors, which have been corrected by
the hoppy lindalisty of the Moterna. Adversates is the
hoppy lindalisty of the Moterna. Adversates in the
the hoppy lindalisty of the Moterna. Adversates in the
Natural Naturalisty and the property of the Moterna
Naturalisty and the Moterna of Indian.
Naturalisty and the Moterna in Jahon.
Naturalisty and Moterna in

NATURALIZATION, in Law, the Act of Naturali-zing any one, or of putting any Foreigner into the Condi-tion of a natural-born Subject, and entitling him to the

tion of a natural-born Sabyetl, and entitling him to the Rights and Pirlieges theroot. See Dawlers. In Finner, Naturalisation is the King's Perogastive; in England's is only done by Acl of Parliament. In France, Swift, Sweyards, and Swir, need not any Naturalisation, be-ing repared Reposted, or Naturalisation, be-ing repared Reposted, or Naturalis. Medicine: In every Animal, how dever fick and discated, there is still remain-

Animal, howleever nex and directed, there is stull remaining forme degree of Life, and Strength 3 and the Chafes and Effects of each: These are call'd Naureals, Naureal things, things, according to Naure 3 and Immetimes birely Naure; in contradistinction to New Naturals, which fee.

NATURE, Natwa, cost, is a Term very varioufly ed. Milletle has a whole Chapter wrote expressly to couuled. Militale has a whole Chapter wrote exprelly to enu-merate the various Acceptation of the Greek Word gover, render'd in English, Name, and among Latin Writers, the different Acceptations are so many, that a certain Au-thor reckons up fourteen or fifteen. Mr. Sule, in spec-cife Treatise of the valgarly received Name of Name, gives us eight principal ones.

NATURE, then, is used for the System of the World; the Machine of the Universe, or the Astemblage of all

created Beings.

created Benge.

In this Senic we fay, the Lather of Nature; the Sun is call'd the Eye of Nature, because he illumines the Universe, and the Father of Nature, because he warms the Earth, and makes it frostful. And thus we say of the Plannia, or a Chimzera, that there is no such thing in Nature. Instead of the word Nature in this Sense, lift. Beyleys. avoid Ambiguity, and Abuse of the Word, proposes to have World, or Universe substituted. See Workn.

NATURE, in a more confined Sense, comprehends the

feveral kinds of Beings, Created and Increated , Spiritual

and Corporeal. See Ens.
In this Senfe, we say, Haman Nature, meaning all Mentogether that puffels the fame Spiritual, Reasonable Soul. together that patiets the lame Sparitual, Keatonable Soul-mgdical Marker 5; the Drivine Nature, &c. And in this Scule, the School Divines (ay, Natura Naturan, & Natura Naturan), as giving Being and Nature to all others 5 in towa Naturans, as giving Being and Nature to all others 5 in Opposition to the Creatores, who are the Natura Naturals,

as receiving their Nature. NATURE, in a ftill more reflrained Senfe, is used for the Effence of a thing; or that which the Schoolmen call the Quiddity thereof, that is, the Attribute which makes it

In this Senfe, the Carrellans fay, 'tis the Nature of the Soul to think. And here the word Effence, Mr. Boyle would have ob-

tain, in lieu of Nature. See Essence.

Nature is particularly used for the establish'd Order, and Course of material Things, the Series of Second Causes,

or the Laws which God has imposed on the Motions imprefe'd by him. See Cause. In this Senfe it is we say, Physics is the Study of Nature. Nature makes the Night succeed the Day; Nature has made

Thus S. Thomas defines Nature a kind of divine Art, given to Beings, which carries them to the End they are deterto notings, which carries them to the End they are determined for: In effect, Nature, in this Senfe, is nothing elie but that Concatenation of Caufes and Effects, or that Order and Occonomy which God has eftablished in the Parts of his Creation.

auts of his actation.

In this Sende too we say, that Miracles are Effects above the Powers of Nature: So Art forcesor surpasses. Nature, by means of Machines, and moving Powers, by reason they produce Effects which exceed what we find in the common Courts of This was a series of the produce of t

produce Effects which exceed what we indim the common Courfe of Things. See MixACEX\_UF.

NATURE, again, is taken for an Aggregate of Powers belonging to any Body, effectally a living one.

In this fenic Phyficians (ay, that Narare is fittong, weak, or front) or, that in fact a Diffcafe, Narare left to, herfelf, will perform the Cure.

NATURE, fill more strictly, is used for the Action of Providence, the Principle of all things; or, that spiritual Being which is diffused throughout the Creation, and

moves

(618)

NAV

moves and acts in all Bodies, and gives them certain Properties, and procures certain Effects. See Providence in this, which Mr. Byje confiders as the most suital Seafe, Nature is nothing elife but God, asting himfelf, and according to certain Laws he himfelf has fire. See Gon. This feems pretty agreeable to the Opinion of many of the Amitents, who made Manuer the God of the Universe,

the To Has, who prefides over, and governs all; the others osen'd this an imaginary Being, and by Nauer enact to more than the Qualities, or Vertues which God has given his Creatures, and which their Poets and Orators took occa-

Genates, and which their Beens and Octoors took occa-tions operforming, the Nature for much talk of in the School in fig. 10 to lead at back to Jobatry; the School in fit for mothing but to lead at back to Jobatry; the the anticas Hearliness hereby understanding formedsing. The back of the school school is the school school in the United School School in the School School in the School which, with the concernence of God, is the next and im-mediant Coaffe of all the Changes which befull Matter. Monday and Matter were Subditions of God, or collecting Caufe with God, or a middle Being between God and certainfylings. See hast as Mexics. If Gold are collected.

Ariflosle defines Nature, Principiums & Caufa motus & eju in que cil primo per fe & mon per accedent. A Definition to obscure, that none of his Commentators, with all their

Gloffes, have been able to render it intelligible. This Principle, which the Peripasetie call'd Nature, they fupposed to act necessarily; and was therefore destitute of Knowledge or Liberty. See Negrassity.

Thus also the Stries conceived Nature as a certain Spirit or Virtue diffused throughout the Universe, which gave every thing its Motion, so that all must be dragged away by the invariable Order of a blind Name, and an inevi-

by the invariable Order of a Dinna Nature, and an inver-table Necedity. See Farn.

In speaking of the Action of Nature, no more is to be understood, but that Bother as one ansetore, in a manner agreeable to the general Laws of Mosion which the Creator has

abhilbed. elinhibited.

In this lies the Mystery of that great Word, which is only a compendious way of expreding the Action of all Bodies: But the Mcchaeiffe of Bodies, would, perhaps, better expects what is bere meant by Nature. See MREHANISM.

Belle before, will have the Nature of a

Some, Mr. Bayle observes, will have the Nature of a thing to be only the Law that it receives from the Creator,

and according to which it acts on all Occasions. But this is an improper, and figurative Expression.

The farme Author proposes a Notion of Nature as more fit than any Nature of Section 1.

a no lame Author propoles a Notion of Nature as more fithan any yet given to pais for the principal one of Nature; with regard to which many Axioms and Expreditors relating to that Word, may be conveniently underflood. In order to this, he diffinguishes between General and Par-

tiodae Naver.

General Namer he defines the Aggregate of the Bodele that make up the World in its prefers State, considered as a Proceeding of the Control o

when detail them in their Namera State. See Law. The Lews of Namer, and Of Motion, are, in effect, the fame 5 Culien, indeed, has made fome difference, and we find Authors call the particular Caffes of Motion, Laus of Motions which fee under MOTION; the more General, or Carbolic owner, and those from which, as from Axioms, the others are deduced, they call Laws of Namer. Of theft, Si friam Newton has ethalished three.

Laws of NATURE.

1. Every lody professes in the Jone State, white of Reft, or and/one elithator Maters trace/f for an is speed to about The Professes of the Professes of the Professes of the Professes of the Reft lines of the Art, and the Colorious causers of the Reft lines of the Art, and their Colorious causatually drawing one another out of their recillinear Motion, only earlier to run round between it more. And that the large Bodies of the Plantis and Content preferre their properties of circular Motion, only careful to run round between it more. And that the large Bodies of the Plantis and Content preferre their properties and circular Motions a long time, undefinitely all Regions would of all the professes which the content of the Professes which was the content of the Regions would of all the Professes which was the professes which was the professes which and the Professes which was the professes the Professes which was the professes which was the professes the Professes which was the

fenfible Refiftance. See V18 Incrtie, RESISTANCE, and MEDIUS

The Change of Mation is over proportional to the moving Force whereby it is effetted, and is the Direction of the Right Line wherein that Force is impressed.

Line unseen not rove 11 imprejs a.

If a certain Force produce a certain Motion 5 a double
Porce will produce dauble the Motion 5 a triple Force
triple the Motion, whether it be impress of all at once, or
fucceffively, and by degrees. And this Motion (fince it is
ever directed to the fame Point with the generating Force) if the Body were in Motion before, is either to be added to it, as if the Motions confpire; or fubfirsted from it, as where contrary; or added obliquely, as where oblique; and is compounded with it, according to the Determinations

of each 3. Realtion is always contrary and equal to Allion 5 or the Affions of two Bodies upon one another are always mutually

, and direlled contrary ways.

equal, and deretical enterior mays.

Whatever perfect, or pulls another, is equally prefit dor pull's thereby. Thus, if I ench a Stone with my Finge, and the dearest which is the stone with my Finge, the draw a Weight by a Roop, the Horfe is equally lighten back towards the Weight; for the Rope being equally firstead leach way, will wish a negal Endeavore to relax itelif, drive the Horfe toward the Stone, and the Stone on the stone of the other control of the control

cowards the Horfe, and will binder the Properts of the one, as much as ir promotes that of the other, do is any munor change in Motion, it will, it felf, by means of the other, undergo as equal Change in its own Missins, by reatin of the Equality of the Prefuse: which were the contraction of the Country of the Bodies being tappoled free of any other Impediments. Far ways, in as much as the Motions are cought changed, are reciprocally properrical to the Bodies, before the Country This Lava Bod contains in Aurachies. See Kranc-Ton.

NATURE, in Profody: A Syllable is faid to be long or fhort by Nature, to fignify that it is fo without any Rule of Grammer, to render it to by Position, or otherwise.

NAVAL, founching relating to Ships, or Navigation. See Ship and Navigation.

In this fenfe we fometimes fay, Naval Strength, a Naval

Combat, &c.

Cambert, Sec. Narali Crewn, Ceona Niralli, among the anticat Romans, a Crown adora'd with Figures of Prows of Ships, confer'd on Perfons who is See Engagements first boarded the Enemy's Veffel. See Crown.

The A. Gellin Erems to freak generally, where he fays, the Nasal Cress was adorred with Prows of Ships 3. Lifpins the Nasal Cress was adorred with Prows of Ships 3. Lifpins.

ditinguishes two kinds of News i Urumi: I ac one ac caiss sample, the other Kalfras.

The first he supposes plain, and gives to the common Soldiers, Etc. The latter much more Glorious, adora'd with Frows of Shirs, and only gives to Generals, or Admirals, who had gain'd some important Victory at

NAVE, in Architecture, Naul Ecolefie, the Body of a Church 3 or the Place where the People are disposed 3 reaching from the Rail or Balluster of the Choir to the chief Door. The Antient Greeks call'd it Promass. See

'The Nove of a Church belongs to the Parishioners; 'ris

The Nare of a Church Delongs to the Partitioners; 'insthey are to repair it, Se.

Eddar derives the Word from the Greek rads, Temple;
which Salmafins brings from raw, ra@, Ship; by reason
the Vault or Roof of a Church bears refemblance to a

NAVEL, a Part in the middle of the Belly, by Anato mifts call'd Umbilieus. See Umneticus. NAVEL-String, by Anatomifts is call'd Funiculas Umbilicalis.

Sec FUNITURES.

NAYICULIARE 01, in Anatomy, the third Bone in the Poot, between the Africagina, and the Office Conforming, thus a call'd from Noviet, a Ship, to which it bears from Refemblance; for which reason likewise it is formerimes call'd Computing on Computing and Computing Computing and Computing Computing and Computing Computing Computing and Computing Com

convex Head of the first Bone, and before it, is convex ;

convex areas of me nert pone, and occore u, is convex y as diffinguished into three Heads, which are received into the Sime's of the Offic Cantiformia.

NAVIGATION, the Art, or Act of Sciling 3 or of concluding a Vessel from one Place to another, the facest

conducting a Vent from one frace to anomee, the latent and most commodiess way.

This Art, in the full Latitude of the Word, compechends there parts yete. First, the Art of constructing and building Ships. (fee Suirs.) Second, the loading of Ships. (fee Buaden.) And, Third, the Direction and Government

of the Ship 3 which is in a peculiar Senfe call'Ol Ameginan, or Saifing. See Saiting.

of Saifing. See Saiting.

In shirethraided Genfe of the Word, Nangotian is either the Saiting S

are likewife required the ufe of Mercator's Chart, Azimuth, and Amplitude Compafes, Log-Line, and other Inflruments for Celeftial Observations, as Quadrants, Foreflaffs, &c. See each Inframent, &c. in its Place.

Navigation turns principally on four things ; two whereof being known, the reft are easily found from them by the

ables, Scales, and Charts. Thefe four things are, the Difference in Latitude, Difference in Longitude, the Reckoning or Diffance, and the Course or Rumi of the Wind.

The Latitudes are easily found, and with fufficient Ac-Sec LATITUDE

Nor is there any thing wanting to the Perfection of Na-Nor is there any tang wanting to the reroccious of res-vigation, but to determine the Longitude.

The Mathematicians of many Ages have applied there felves with the atmost Afidoiry to supply this grand Doff-deration, but hitherto in vaint, notwithlanding the magni-

ficent Rewards of feveral Princes and States to the Dif-For the various Methods that now occasionally obtain

at Sea, fee Longitude. The Conference, we have already observed, are had by the Log-Line, or dead Reckning, and the Compass.

The Poets refer the invention of the Art of Navigation to Neptune, some to Bacobus others to Bereudes, where to Jufon, others to Jufon, others to Jufon, who is faid to have made the first Shipsee Stiff. Historians to the Egineer, the Phonicians, Tyriam, and the antient Inhabitants of Britain.

rimis, and the americ thousing the britain.

Some will have it, the first hint was taken from the slight of the Kite 3 others, as Oppins de Pycales, Lib. I. from the Fish call'd Nanzelus. Others ascribe it to Accident: But Scripture refers the Origin of fo ufeful an Invention to God himfelf,

erken the Origin of to uferfa ha Tevenino to God himfelf, who gave the fift Specimen theored in the Ark ball by Nash under ha Directions. For the Raillery the good deathy cough, the World was then ignorant of any brigh deathy cough, the World was then ignorant of any brigh like Nasquams, and that they even thought it impossible. However, Hilbert yerpefores the Pfermation, effectable to the Company of the Company of the Narrowsefs and Power of the Sily of Ground they gradfelf along the Coafis, by the Conveniency of two or three good Fort's and by their granted Ground to the Coafis of the Coafis of

Accordingly, Lebann, and the other neighbouring Moun-tains furniffing them with excellent Wood for Ship-build-ing, in a flort time they were Mafters of a namerous Fleet, which conftantly hazarding new Navyanon, and fettling new Trades, they forn arrived at an incredible Pitch of Opulency and Populouiness: informach as to be in a Con-dition to fend our Colonies; the Principal of which was that of Carthage, which keeping up their Plantian Spirit of Com-merce, in time not only equal'd Tyre itself, but vastly sur-pass'd it; sending their Merchant-Fleets thro' Hercales's Pillars, now the Straights of Gilvalter, along the Western Fillers, now the Straights of Gibralters, along the Weltern Coads of Africa and Europe; and even, if we believe forme Authors, to America itdelf, the Difference with the straight of many Agesafterwards, has been fo glorious to the opasiards. See COMMERCY.
Tyre, whole immends Riches and Power are represented in such lofty Terms both in facred and profine Authors, the condition of the Company of

Deing centroy a by Mexanter see or a ; its Navagatana and Commerce were transfer d by the Conqueror to Mexanteia, a new Gity, admirably fitnated for those purposes, proposed for the Capital of the Empire of Asia, which Mexanter then meditated: And thus arole the Navagatan of the Egyptians, which was afterwards fo cultivated by the Prolesy, that Tyre and Carthage (which last, after having a long time diputed Empire with the Romans, was at length fubdaed)

Egypt being reduced into a Reman Province after the Egypt being reduced into a Runan Frownce after the Battel of Airm, its Trade and Noviginius fell into the hands of Angulius; in whose time Alexandria was only infe-rior to Rune, and the Magazines of the Capital of the World wholly supplied with Merchandises from the Capital

At length, Alexandria itfelf underwent the Fate of Tyre and Cartinge; being furprix'd by the Saracaus, who, in pite of the Emperor Heraelius, overferead the Northern Coafts of Africa, Sc. whence the Merchants being driven,

Alexandria has ever fince been in a languishing State, tho Christian Merchants, trading to the Levant.

The Fall of Rome, and its Empire, drew along with it,

Navigation 5 the Barbarians, and the politic Arts, but that of Navigation 5 the Barbarians, into whole hands it fell, contenting themselves with the Spoils of the Industry of their Predeceffors. But no fconer were the more Brave among those Nations

But no Iconer were the more Frave among those Natures well fertical in their new Provinces, fome in Gad, as the Franks; others in Spain, as the Gabis; and others in Italy, as the Lamburd's but they began to learn the Advantages of Navigains and Commerce, and the Method of maning them, from the Poople they had fubbled; and this with so much fueces; that in a little rime form of shem the state of the Advantage of the Advantage of the Method of the Advantage of the Method of t came able to give new Leffons, and fet on foot new Infti-

came able to give new Leffe and fee on for one half-tions for its Absence.

Thus it is to the Leedan's we sfastly aforde the Inven-dency, and the Leedan's we sfastly aforde the Inven-dency, face. See Bassa, Escansara, Garbary, and Ke-longy, face. See Bassa, Escansara, frince in tempera-le Coulomest of their new Matters, give into a templicity of the Sentement of their new Matters, give into the templicity of the Coulomest of their new Matters, give in the Sentence of their new Matters, give in the Sentence of the Sentence of the Sentence of their new Matters, which had been basi-fied to the Sentence of the Se

sociation, and it is street devantageous situation for Na-gorition, beying negati mentione were their Glory comber of matthy Blands, only figurated by narrow Chancels, better thefo well (ferench, and almost materiality), and the findings of fome Fifthermon, who here furprotted themselves by a little Trade of Fifth and Salt, which they found in formed their Blands. Thinker, then, the Frent's a People Inhabi-vity, when Agire, King of the Roat of the Callys, its tir'd, when Alarie King of the Goths, and afterwards Astila

tird, when dates Kinge of the Goths, and sifect-wated Attalk King of the Dates, respected Ind.).

These own Handlers, little most key the the two was to the Gotte of the Control of the Control of the Control Politic; but each of the Centrary row Indiac of this little Artificial Control of the Control of the Control of the Artificial Control of the Control of the Control of the Artificial Control of the Control of the Control of the loady to their Notificial Control of the Control of the Indiac of this little of the Control of the Control of the first Octubry, but not completed till the Eighth, that ladd the fare Econtrol of the Control of the Control of the India Control of the Control of the Control of the Control of the State Control, when not completed till the Eighth, that ladd the fare Econtrol of the Control of th

From the time of this Union, their Fleets of Merchant-Men were fent to all the Paris of the Mediterranean, and at last to those of Egypt, particularly Cano; a new City, built by the Sameen Princes on the Eastern Banks of the Nile; where they traded for their Spices, and other Products

Thus they flourish'd, 'increas'd their Commerce, on, and their Conquests on the Terra firms, till tho famous League of Cambray in 1508, when a number of jearamous League or Lamberty in 150%, when a number of jea-lous Princes configured to their Ruin; which was the mice caffily effected by the Dimination of their Eaft-India Commerce, which the Faringsof had gor a part of, and the Frence smother.

Frence monther:

Gensa, which had applyd intelf to Navigation at the fame time with Fedfec, and that with equal faccels, was a long time a dangerous Rival, differed with it the Empire of the Sea, and flared with it the Trade to Ecyps, and other Parts both of the Eatl and Well.

other Parts both of the East and Well.

Jealonly foon began to break our, and the row Republics
coming to blows, "was three Centuries almost continued
to blows," was three Centuries almost continued
the case of the Generical Century, the first listened of
Chiese needs the mobile Strife; The Generic, who cill then
de distally the Advantage, having now load all 3 and the
Feetilians almost become deficients, at one happy Blogs
beyond all Eagl-Station for Carlo Testing Century and
proposed and the Station of the Carlo Testing Century

The Carlo Testing Century and Carlo Testing Century

The Carlo Testing Century of the Sea, and Superiority in Commerce.

About the fame time that Navigation was retriev'd in

About the lame time dark varieties of the Southern Parts of Emelys, a new Society of Microbans was form'd in the North, which not only carried Commerce to the greateft Perfection it was capable of till the Difference of the one and other lindes, but also formed a new Scheme of Laws for the Regulation thereof, which ftill obtain under the Name of Ufe and Cuffour of the Son. This Society is that famous Affociation of the Hans Towns,

commonly supposed to have begue about the Year 1164. See HANS Towns The modern State of Navigation in England, Holland, France, Spain, Portugal, Stc. is too popular to need a particular Detail. See Commence and Company. We shall only add, that in examining the Reasons of Commerce's passing successively from the Veneziani, Gensele, and Hans-Towns, to the Portuguese and Spaniards; and and Hami-Isums, to the Portuguice and Spaniards 3 and from those again to the English and Darte's it may be edia-blished as a Maxim, That the Relation of Commerce and Nassignows, or, if we may be allow'd to fay it, their Union, is so intimate, that the Fall of the one, inevitably draws after it the other; and that they will always either southern and the state of the control of the state of the other states after it the other; and that they will always either stoughth or dwindle together.

Hence so many Laws, Ordinances, Statutes, &c. for its Regulation; and hence particularly that celebrated AB of regulation; a med neace particularly that celebrated Alt of Novigations, which an eminent Author calls the Pallatines, or unclassy Deity of the Commerce of England; which is used important one to be here monitored; as it is the flanding Rule, not only of the English among themselves, but allo of other Nations with whom they traffic.

All of English NAVIGATION, is a Statute whereby the Palliamer of England have feetled every thing relating to

Pulliment of England have Ceittled every thing relating to Management and Commerces.

Till this Ad, all Ninion was a liberry to import all bearing the commerce of the commerce, which was now almost whally in the hands of Foreigners, chiefly the Darch whom he hands of Foreigners, chiefly the Darch whom he hands of Moreigners, chiefly the Darch whom he hand of Moreigners, chiefly the Darch whom he had not been commerced in the second of the commerce of t

particularly puffed as All probibing in Drais from mand; a sail particularly puffed as All probibing in Drais from in-position, and probibing the property of the con-position of the probibing of the con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-position of the Control of the Control of the Con-position of the Control of the Control of the Con-position of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Con-trol of the Control of the Control of the Control of the Con-trol of the Control of the Control of the Control of the Con-trol of the Control of the Contro

1. That no Merchandizes shall be imported or exported to or from any of the English Colonies in Africa, Africa, or America, but on Veffels built within the Dominions of England, or really belonging to Englishmen, and whose Masters, and at least three fourths of the Grew are of that

Nation, on pain of Forfeiture of the Goods and Veffel.

2. That no Perfon born out of the Subjection of Engla or not naturaliz'd, finall exercise any Commerce in those Colonies for himself, or others.

Colonies for himtelt, or others.

3. That no Merchandizes of the Growth of Affa or America, shall be imported into any of the Dominions of England on any other than English Vessels.

4. That note of the Commodities of Europe shall be imported into England by any other Vessels than those of the Parts, Countries, and States where the Commodities

grow, or are manufactured.
5. That all Kinds of Fifth, and Train-Oils not fifth'd by

English Vostels, imported into England, shall pay double 6. That the Commerce from Port to Port in England and

ireland shall be carried on wholly by English Vessels and Merchants.

 That none but English Vessels shall resp the Benefit
of the Diminutions made, or to be made in the Customs. of the Diminations mace, or to be made in the Cattoms.

8. All foreign Verfiels are prohibited importing into England and Ireland any of the Commodities of Majeosy, or even any Malts, or other Woods, froeign Salt, Pitch, Ro-fine, Hemp, Ruffins, Pinnes, Olls of Olive, any Lind, Sugart, Afhes and Song, Wine, ivil of Corn, of Crain, Sugart, Afhes and Song, Wine, ivil of the Corn, of Crain, Sugart, Afhes and Song, Wine, ivil of the Corn, of Crain, Sugart, Afhes, and Song, Wine, ivinger, Hempfall, States, and other Commodities the Product of the Cornwrities States, and other Commodities (as the Cornwrities) Entwy of an ansaufaffurd. On where the the Commodities grow or are manufactured, or where 'tis ufual to take them up; and unlefs the Matter and three fourthe of the Crew be Natives of the Country where they

are teasten.

9. That to perent all fails Declarations to favour the Entry of foreign Goods, all those mension'd in the last Article final be decen'd to belong to Strangers that are not brought in Veffels of the Quality sacration of in the first Article 2 and as fuch final pay the Daties uted to be paid by other Commondities.

To. That to prevent Frauds in buying and difguifing fo-reign Veffels, the Proprietors shall take an Oath that they really belong to them, and that no Foreigner has any part

in hiem.

11. That Emplify Veffels, or reputed Emplify, may import into the Dominions of Employd, any Micrichandiacs of Employd, and Micrichandiacs of the Company, or are manufactured. Provided it has in fact they grow, or are manufactured. Provided it has in fact of the Madistranson beyond the Straights of Gilpatino, And the fame is understood of Commodities Drought on the Zapl Indice; provided they be taken up in Some Port beyond the Cape of Good-layer. And those from the Cap. in them

matrix, and other Colonies of Spans, and the Asares, and other Colonies of Farnigal, which are allowed to be thirtyd, which will be a supported by the support of the colonies of 1st. Thefe Francisc, Publishing, and Confidencies no to extends Goods takes from the Internies of England, nor to Thin caught by the form, or their Congression, and the Confidencies of the Confidence of the privacy Verlai arriving in any Port of Confidence, to long (and over three Months longer) as 50 Salayer Too lies on 1-40th, That Sanar, Tradescen

the English Vettelts in France.

Luftls, That Sugars, Tobacco, and other Commodities,

Luftls, That Sugars, Tobacco, and other Commodities,

of the Growth of the English Colonies, thall not be imperted into any other Part of Europe, but the Dominions of

England. And that Vetfells going out of the Ports of the

England. And that Vetfells going out of the Ports of the

England. And other Vetfells going out of the Ports of the

England. And other Vetfells going out of the Ports of the

England. And and account of the English Colonies, thall give a cool.

Security, if under one handred Tons, and account if above,

Lucitation of the English Colonies, that the Colonies of the Colo occurry, it assets one managed tons, and above, have, e'er they depart, that they will import their Cargo into fome Port in the faid Domisions; and the like, e'er they quit those Colonies, that they will land their whole Cargo

There were feveral of these Namachias at Rome; three built by sognitue, one by Claudius, and another by Domitian. Nero's Nanmachia ferv'd for the Reverse of his Medale.

The Word comes from the Greek saus, Veffel, and page,

The work to the payman fight.

NAUSEA, in Medicine, a Retching, or Propenfity and Endoavour to Vomit; artifug from a Loathing of Food, excited by fome vifcous Homeour that irritates the Stomach, excited by forme vifcous Homeour that irritates the Stomach, and the payman is when to diffeharge itself; or a Mange, it when

caciet by fone vifcous Hemour that irritates the Stomach, and urgos it that to discharge infells or a Nanjea is when the Stomphete or fight or proper Food crosses a Sichnesis in the Boundhete or fight or proper Food crosses a Sichnesis in The usual Caulet of a Nanjea, and America, and hard Dimhing, great Heat, a Fever, Confumptions, Laxensle of the Stomach occasion of by Tes, 15c. Navarotics, as Tobacco, Palitions of the Mind, Suppersion of Executions inducing Palitics of the Mind, Suppersion of Executions inducing the Mind, Suppersion of Executions in Mind, Sup in, &c.

in Jefe.

Bresbauer defines a Noufea Anastonically, to be a term grade spainford. Motion of the Naticulaus Thera of the regular spainford. The Nation of the Anastonical States of the National Anastonical States of the Anastonical Anastonical Anastonical States of the National States

STHER and SIN-CHART.

NAUTICAL Compair, the Sea-CHART.

NAUTICAL Compair, the Sea-Compair, for Compairs.

NAUTICUS, in Anatomy, Musicle; call'd also Tibidis Polices. See Theoretical History, a petrified Shell,

NAUTICUS, in Naural History, a petrified Shell,

NAUTICUS, in Naural History, a petrified Shell,

Sea, or in Larth; in other refpects like those found in the
Sea, or in Larth; see See Fossis, Petraspacerons, Sinele,

-AS-Company.

Sea, or in I

NAVY, the Fleet, or Shipping, of a Prince, or State.

The Direction of the Navy Royal of England is in the Lord High Admiral, and under him in the Principal Officers and Commissioners, who all hold their Places by Patent. Sec ADMIRAL.

Principal Officers of the Nany are four, viz. The Treasurer, whose Business is to receive Moneys out of the Exchaquer, when the state of the state of

Namy at the Port of Parismonth. The fourth has the fame at Chatham. And the fifth at Plymonth. The Navy was antiently Victualled by Contract; but the Victualling is now under Commissioners, who keep their Office on Tower-Hill. See VICTUALLING-Office.

Office on Tener-Hall. Sec VICEVALUES Office.
The ordinary Expecte of the Navy is a Year of Peace, continuing in Harbon, is to well regulated, that it amounts to the property of the Navy is the Continuing in Harbon, is to well regulated, that it amounts to the The number of bilings and Verfelt in the Navy, as it flowd in the Year 1970, see Felf-Ruses, 19 Table-Ruses, 19 Table-Ruse

or Nazorean among the Teens. Seo Nasartyrs.
The Nazorear was Separation from the cell of Man-kind y particularly in three things; i. is that the Per-kind particularly in three things; i. is that the Per-son flave their Hist.; i. In avoiding the Teach of dead People, which they held a Delfiencent.
The Nazorear was offen Kinds, to con Temporry, the The Nazorear was offen Kinds, to con Temporry, the the Temporry Nazorear was, and determine it by the Caldida; for fine for, in Registers, Nazorear's it, swhere it idad, Dunies Januare vis, the Tellorar Verb, 1917; cris, con-tinuted to the Cartesian of the Person of the Person of the Person in the Person of the fine of four Lecture, via better all and this whereof tacks as numeral Letters, do each make 10, and the reft each 5, all together 30; the Term of the Nazareste, fay they, was 30 Days. See Carbala.

30 Days. Sectabrala.
NAZARTE, or Nazarene, in the Old Testament, is sold for a Person distinguished and separated from the rest, by sometiming extraordinary, either his Sandity, Dignity, or some Yew.
In the Book of Namberr, ch. vi. we find the Yow of a Nazerite designed; a, the Yow where the chief of the Town and separate them is e. the Yow where you are the many separate medicate to the Lord; and the Conditions, or Effects thereof as to Abitinence, &c. See NAZA-

The Word comes from the Helvess Til Nazar, to diffin-guifh, feparate 5 in which it differs from Nazarean, an In-habitant of the Country call'd Nazareab, which comes from

Labinian of the Country call'd Namersh, which comes from TD Namers, or News, 1907m, prifferes, 100mile a Kind of Scharies in the Climch, in this first Ages thereof. S. Epphasium either a temperature of the control of Scharies in the Climch, in the first Ages thereof. S. Epphasium either a temperature of the control of had his Grijed written' in the Heleves of that Time. And S. Epphania olds, hat this Goljal was perfected canter among the Namerten's only he doubts whicher they might now have retreated the Genealogy of Elica Carist, which was not in the Grifford the Grine olds of Elica Carist, which was not in the Grifford the Grine old Loin, Gay, A. Frest many Feorlie took the Heleves Golgel Gold by the Name-rans and Elientice, to be the Original of S. Martievo. Hence Resentia this Amusli Eya, if the Valjase Limit Verfice were to be reformed, if it floud rather be done by the Jefferes Original, than by the Orice's which is but as

Copy.

Calculate texts that Opinion of Romnics as Implious, as not bring able to conceive on Text quite loft. He adds, the conceive of the Control of the Co

Panch upon it. Sec TEMPERING.

NEAP-TIDES, the Tides in the ad and 4th Quarters of the Moon; which are low Tides, in respect of the Spring-Tides. Sec TIDES.

NEAT-WEIGHT, the Weight of a Commodity without the Cask, Bag, or Cafe. See Wilsours. KEBLUOLS, Candy, in Alternoomy, a Term apply'd in KEBLUOLS, Candy, in Alternoomy, a Term apply'd in and are left into athord of the first Magginade, and for factor will be the tabled Eye, to which, as both, they only Through a model recits or Castellow, the Castello

Planty appear to "Stark See Stark Stark See Stark Stark See Stark Stark See Stark See

adds, that in the Pleintes are 40; 12 in the Star in the middle of Orion's Sword; in the extent of two Degrees of the fame Confiellation, 500; and 2500 in the whole Con-fiellation. See Orion. NEBULY, NE-

NEBULX, or Nextuces, but of clearly, a Term Sulf, or Nextuces, and in Heraldry, a Term Clarked with feveral fluter Figures, in form of Clouds, ranning within one another; or when the Ose-line of a Berdung, Ordinary, Ordinary,

Figure, Figure, Figure, NECESSARY, in a Philotophical Senfe, that which NECESSARY, in a Philotophical Senfe, that which cannot but be, or cannot be otherwife. See Necessary. The Schoolmen make a great many Kinds, or Divisions

NECESSARY in Cauling; when there is a Caule from

NECESSARY in Casing: when there is a Caste from which an fifted must necessary in Necessary in Predicating. And, NECESSARY in Recessary in Recessary in Necessary in Necessary

BERTY and Power.

ERRYT and I TOWER.

Neesfly is usually confounded with Conftraint; yet, in God, the Neesfly of being Good is not any Confirmint, but a Perfection. In effect, Neesfly, according to Redefensular, differs from Confirmint in this, that the former is join'd with the Pleafure and Inclination of the Will, to

joind with the Pleafure and Inclusion of the Will, to which Confirmit is contary, Supplies, from Plats and Epilers, diffinguilles two Kind of Northy's hone of Pales or Codifies, which is po-posite to Liberty, the other Symmetries or Plantatry, very conficient with it, for this, shall be, it is that meriginare all things to all according to their Nature, as being con-cliffed to the Northy of the Nature, as being con-led from of Northy be moved according in so mon Nature, i.e. the Will: "That is, fince it is of activities, as Solf-mare; it and the confirmity more according to its own Nature. mover, it must necessarily move according to its own Na-

ture, i. e. fpontaneously.

This Dillinction is admitted by many of the Divines, particularly S. Angalline, who urges it against the Pelagians,

as is thown by Janjeuius.

The Schools diftinguish a Physical Necessity, and a Moral Necessity; a Simple, Absolute Necessity, and a Relative

A Phylical NECESSITY is the want of a Principle, or of the natural Means necessary to act, which is otherwise call'd a Phylical or Natural Impatence. See IMPOYENCE.

Aboral Necessity, or Impotence, is only a great Diffi-culty, such as that arising from a long Habitude, a strong

culty, such as that arining from a long Habitude, a throng Inclination, or violent Paffico.

#Simple, or #Melaist Nacasstru, is that which has no dependance on any State, or Conjuncture, or any particular Situation of things, but is found every where, and in all the Greamflances in which the Agent can be supported. Such is in a blind Man the Norefity he is under of not discussed in the Agent of the such as the support of the support of the support of the such as the support of the such as the

Such is in a blind Man the Newfiry he is under of not di-flinguilfing Colours.

Relative Necessity, is that which places him in a re-lacapacity of acting, or not acting in those Circumstances, and that Situation he is found in; tho in other Circumflances, and another State of things, he might act, or not

Such, in the Opinion of the Sanfemift, is the Necessity of doing Evil in a Man, who, with a violent Pattion, has only a feeble Grace to refift it; or the Nevessity of doing well in a Man, who having Grace of feren or citien Degrees of Strength, has only Concupificance of two or three Degrees to the Control of the contro to withfland

All thefe Kinds of Necessity are opposite to Liberty 5 fince even in the last, "tis as impossible for the Man to act, or not act, as if he were in a State of Milante, Simple, and Physical Necessay.

The Schoolmen admit other Species of Necessay; An-

toocdent, Concomitant, Confequent, &c.
Ameredent NECESSITY, is that arising from an antocodent 7 T Caufe.

Caule, necessarily operating. Such is the Necessity of the San's Rifing to-morrow Mar

some a tuning to moreow norming.

Constituted Nancearty artific from an antecedent and necessity Caste, but depends on the Circumstance of the Effect 4 the Kircle all the while being free. Thus 'is necessity Feer fined ift, supposing he is string. NTCK, a Ferr in the learness less free. Thus, the NTCK, a Ferr in the learness less than the total control of the Circumstance of the Circ

All Animals have Necks except those without Lungs and Voice, as Fishes and Frogs.

Vuice, as Filbres and Fregs.
The upper Part before is call'd the Threat; and the lower
Part the Fanouse Admit. The Hole between the two Claviceirs call'd the Typplone, by the Greeks accept, Murthery
it being very call to kill in this Part. The hind Part
of the Nezk is call'd Crowis; and the Hole between
the first and fecond Foreiron, the Nipe; that underneath,

Its lateral Parts commence from the bottom of the Ears, and are call'd Parstides.

The inner Parts of the Neck are feven Vertebre, the Tracbcs, Larynn, Jugular Veins, Carotid Arteries, the Inter-colal Nerve, that of the eighth Pair, with the Recurrent, and feveral Muscles. See each Part under its proper

Article.

The Nacus of Quadrapeds, Mr. Derbam observes, are always equal to the Length of their Lops to conable them to reach the Ground for their Food, without flooring the Body. See QUARRUPTS and LEO.

Indeed, the Elephant is an Exception from the Rule; the Next is very flort; a but then it has a peculiar Frovision. Article.

by a Probofcis, or Trank. Sec PROBOSCIS.

Another thing remarkable in the Neeks of Graminivorous Quadrupeds, is a strong, tendinous and intentible Apaneurs fis, or Ligament, braced from the Head to the middle of the Back 3 by means whereof they are enabled confiantly to hold down the Head, tho very heavy, to gather their Food out Pain or Labour.

NECROLOGY, a Book, antiently kept in Churches and Monatteries; wherein were register at the Benefactors to the fame, the Time of their Deaths, and the Days of their Commemoration; as also the Deaths of the Priors, Abbots,

Religious Canons, &c. This was otherwife call'd Calendar, and Obitory. Sce-CALENDAR, &c.
The Word comes from the Greek 18223c, Morz, Death,

NECROMANCY, the Art, or Ad of communicating

NECROMANCY, the Art, or Act or communicating with Devils, and doing furpring Feats by their Affiliance; particularly calling up the Dead; From 11276, Deats, and ustrue, Endonmeter, See Mader, Societan, &C.
NECROSIS, in Medicine, a compleat Mortification of any part; called also Sideratio and Sphacelus. See SPRACEUR. &C.

The Word is Greek, singuose, where it has the fame Sig-NECTAR, among the antient Poets, the Drink of the

NECTAK, among the antent roots, the Dinks of Habitaus Delices of Andiquity.

NEEDLE, avery familial ittel Inflamment, or Uendi, made of Steel, pointed at one end, and Porced at the other; uted in Sewing, Embroidery, Tayliriy W. K., S. C., Needle make a very conditrople Article in compare, and the Confunction thereof is almost hearded in intendible. The Size art from N° 2, the larget! you's 2, the fmalleft.

There is fearce any Commodity cheaper than Needles; which will appear fomething extraordinary to the Reader, after he has been shown the infinite Number of Operations they undergo e'er brought to Perfection.

## Manufallure of NEEDLES.

German and Hangary Sizel is of mait repute for Nicoliu. The first thing, is to yell is shown 2 Gall-fier, and under a Hammon, to bring is next of its digual, frequent flow. Of yell and the second of the second of

Wiss Diminio.

The Sized hist reduced into a fine Wire, is cut in Nexe of the length of the Netderienteeded. These Pieces are fined as one and on the Aveni, in orders form the Head and Eye. They are then pain in the Fire, to Joffen 'em further, and these tells not, and piece of a reduction of the first Part, on the Almil, by force of a Pacachion of well temperal Seas, and laid on a Bank Birde, we have out impured Seas, and laid on a Bank Birde, we have moring in the Einstein, the limits Pieces of Steel re-mining in the Einstein Pieces of Steel Re-mining in the Einstein

The Corners are then filed off the Squares of the Heads, and a little Cavity filed on each fide the flat of the Head. This done, the Point is form'd with a File; and the whole filed over. They are then laid to heat red-hot, so a long, filed over. They are then last to neat red-not, on a long flat, narrow Iron, crooked at one end, in a Charcoal-fire; and when taken out thence, are thrown into a Bason of cold Water to harden. On this Operation, a good deal depends;

too much heat burns 'em ; and too little leaves 'em foft; the Medium's only to be learnt by Experience. When harden'd, they are laid in an Iron-Peel, on a Fire

when nareard, they are tast in an iron-feet, on a fire more or lefs brisk, in proportion to the Thicknefs of the Needlet, taking care to more 'em from time to time; this ferves to temper 'em, and take off their Brittleneß; Care, here, roo, must be taken of the degree of Heat.

They are then fireightned one after another with the Hammer; the Coldness of the Water used in hardning 'em having twitted the greatest part of 'em.

The next Process is the Polishing. To do this, they

take twelve or fifteen Thousand Needles, and range 'em in take twelve or fitteen 'I bouland Needles, and range 'em in little Heaps against each other on a Picco of new Buckram, sprinkled with Emery Dust. The Needles thus disposed, Emery Dust is thrown over 'em, which is again sprinkled over with Oil of Olives. At lest, the whole is made up

over with Oil of Olivez. At Islit, the whole is mide up to a Roll, well bound at hoth care, Ill Table, and ever it a thick Flank leaden with Stones, which two Men week behavior at hick Flank leaden with Stones, which two Men week behavior and forwards a day and half, or two days fee-ceffively. By which meant, the Roll thus continually the control of the control of

Mills.

After Polithing, they are taken out, and the Fifth waith'd off' can with het Water and Goap then wiped in hot Bran a fide off' can with het Water and Goap then wiped in hot Bran a fide product in Let he by a Cord, which is kept fitting till the Benn and the Noedler be day. The Noedler bas wiped in wor or three different Brans, are taken out and part in whater from the Corner of the Noedler base with the work of the Arman of the Corner of the Noedler base with the Noedler

but to make 'em into Packets of two hundred and fifty cach. Chirargeons NEEDLES, are crooked, and their Points tri-

angular. They are of different Sizes, and bear different Names according to the Purpuses they are used for. Names according to the Parpoles they are stied for. The largedizer Scientist of mobinating is the acts, Needlet for Inflaments; the acts, Needlet for Inflaments; the acts, Needlet for Inflaments; the acts of the Inflaments of Inflaments of Nexus, in Navigations (26. a Needle teach) which playing at laberty, in Navigation (26. a Needle teach) which playing at laberty, it derived inflaments of the Inflaments of Navigation (26. and Inflaments) of Navigation (26. and Inflaments) of Navigation (26. and Inflaments) and Navigation (26. and Inflaments) of N

Inclinatory.

Internativy.

Horzoznal Nezdles, are those equally balanced on each fide the Pivor which suffairs 'em's and which, playing Horizontally, with their two extremes point our the North and South Points of the Horizon. For their Application

and South Forms of the Frontiers An Area Representation and Ufe, fee COMPASS,
Confirmition of an Hiritantial Needle. A Piece of pure
Steel is provided, of a length not exceeding fix Inches,
left its Weight impede its Volubility's very thin, to take its
Verticity the better 3 not perforated with any Holes, Ege,
for Ornament fake, which prevent the equable diffusion of the Magnetic Virtue.

the Magnetic Viruc.

A Perfursion is made in the middle of fits Length, and a brait Gup or Hend folder doe, whole inter Carrier is Control and the Control of the Control o

the North End never that me Soult, and thus occasions, the Norde to the, See Dirrison-Stande, or directive Face North See Direction of the Control of the Co POLE and If after Touching, the Neadle he out of its Equilibrium

fomething must be filed off from the heavier Side, till it balance evenly.

Article COMP 455.

A Needle, on Occasion, may be prepared without touching it on a Load-ittoe: For a fine Steel Needle, gently laid on the Water, or delicately fairpended in the Air, will direct itself to the North and Soath.

Thus, also, a Needle heared in the Fire, and cooled again, in the Direction of the Meridian, or even only in an

again, in the Direction of the merchann, or even only in an erech Situation, acquires the fame Faculty. See Magnetian, Poles, Go.

The Needle is not found to point precifely to the North, except in every few Places; but deviates from it, more or left, in different Places, and that too at different Times;

which Deviation is call'd the Declination of the NEEDLE, the Variation of the Horizontal Needle from the Meridian; or the Angle it makes with the Meridian, when freely faspended in a Horizontal

Plane. See DECLINATION.

Inclinatory, or Depring-Needle, fee DIFFING-Needle.
NEEP-Tides, fee Near-Tide.
A Ship is faid to be Beneeped when the wants Water to

bear her off the Ground.

NEFASTUS, a Latin Term. The Rement ofed the Term Dies Nefafii, for those Days wherein it was not allow'd term Dies Negari, for those Days whereast was a attitude to adminisher Juffice, or hold Courts; nor for the Pretor to pronounce the three folemn Words or Formula's of the Law, do, dico, addico, 1 give, I appoint, I adjudge. See Fas-

TUS.
These Days were diffingaished in the Caleadar by the Letter N, or by N. P. Nijeshes Promes as when the Day are only Neights, for the first Part thereof. See Day. NEGATION, io Logic, an Ast whereby the Mind parates one late from another 2 or affirms the one is different from the other. As, the Soul is not the Body.
NEGATIVE, a Term that decise, or implies a Denial,

of any thing.

Logicians, &c. fay, A Negative cannot be proved but by converting it into an Affirmative.

NEGATIVE Herries, in the Language of the Inquitition, are those, who being accused of Herriy, by Witnester, whose Evidence they don't deay, till keep on the Negation, make open Profession of the Carbolic Destrine, and

non, make open crossissen of the Catholic Destrine, and declare their abhorence of Herry, and Poficies ones. In the Negative, it is fulficient to reject the Errors of a Church without feparating from it, or fetting up a diffined Society. NEATWAY Fains, the Laws whereby certain Perfons are excluded from Homours, Dignitics, 45°, without infilling any directl and positive Pains.

NEGATIVE Quantities, in Algebra, those affected with the Sign — See Quantities, are the Effects of positive ones 5 where Positive cod, there Negative oces commence. See

POSITIVE.

POSITIVE.

NEGATIVE Programs, in Law, a Negative which implies
or brings forth an Affirmative: As if a Man being impleaded to have done a thing on fach a Day, and in fach a
Place, denies he did it, And G form declarats; which
implies nevertheles that he did it in form fort.

AEGATIVELY, NEGATIVE, in the School-Philoso-phy, is variously used in contraditional to Positively. See

NEGRO'S, a Kind of Slaver, which make a confiderable Article in the modern Commerce.

Article is the monette Commerce.

The Negro's, properly culf Blacks, or Meers, are a People of Africa, whole Country extends on each fide the River Niger, and is culf Migrains' Tho, whether the People commendated their Name to the River, Go. or received it The Origin of Noge's, and the Cause of that remarkable Difference in Complexion from the rest of Mankind, has

much perplex'd the Naturalifles; nor has any thing fatis-factory been yet offer'd on that head. See Blacks.

They are brought from Gaines, and other Coafts of Africa, and fent into the Colonies in America, to cultivate Sugar,

Tobacco, Indigo, &c.

This Commerce, which is fearer defenfible on the This Commirce, which is feare defentible on the foot orther of Religion, or Humanity, is now carried on by all the Nations that have Sertifement in the 100/16. Index particular, in the 100/16. Index particular, index of have few Nory-14 fifth hand, but have haven the company of the 100 have few Nory-14 fifth hand, but have always tested with other Nations, to familit them thereally the Company of the Goilfe, eithabilited at Gross 5 fines by the Norman forman of the Goilfe, eithabilited at Gross 5 fines by the Norman forman of the Goilfe, eithabilited at Gross 5 fines by the Norman forman of the Goilfe, eithabilited at Gross 5 fines by the Norman forman of the Goilfe, eithabilited at Gross 5 fines by the Norman forman forman format for the Norman format for the Norman format format format for the Norman format form life Such-Sea Company. See Assign and Company.

The best Negro's are brought from Cape Verd, Angola, Senegal, the Kingdom of Joloffes, that of Galland, Damel, the

River Gambia, &c. A Negro between 17 or 18 and 30 Years of Age, was antiently only valued at about 45 s. in the Commodities pro-

per for that Country, which are Brandies, Iron, Linnen, Paper, Brafs-Pors, Bafoss, &c. But their Value is now much enhanced, and it is feldom they meet with a good Negro for five Pounds, They frequently give feven or

There are various ways of procuring them: Some, to avoid Famine, fell themfelves, their Wives and Children,

avoid kamme, lett themseives, their wives and Chiudreo, to their Princes, or great Men, who have wherewithall to fabfift them. Others are made Prifoners in War; and great numbers feized in Excursions, made for that very parofo by the petry Princes upon one another's Terretories; in which the sheal to sweep away all both Old and Yeang, Male and Female.

Male and Female.

The Negro's make a frequent Practice of fargrining one another while the European Veffels are at Anchor, and dragging those they have thus caught to 'em, and folling them in fpite of themselves; and 'tim our currarchinary thing to fee the Son fell, after this manner, in Faucer or Norther, and the Farlest his own Children, for a few Bottles. of Brandy, or a Bar of Iron

of Brandy, or a list of Ireo.

At foon as the Ship has in Complement, it immediately makes off , the poor Wretches, while yet in fisher of their properties of the properties of the Paffage, that a great year of en languinf, fall unjoin foot and die a others of em dipatch the infelers, by relating any control of the properties of the p

immediately frangies them; others dath our their Erdins againg the Ship; and others join power board.

The only fore means to preferve 'em, is to have forme Modelal lathrament play to 'em, be it ever formean. But this executive Love for their Country abares as they get forther off.

At their arrival in the Colonies, each Megre is fold for 38 or 40 Pounds. They make the chief Richas of the Inhabitants of the Illands, Ec. A. Man, v. g. who has twelve Negreer, is effected a rich Man.

NEIF, NAR, Natras, in our anticut Cafforns, a Bond-

NEIF, NAY, NATAS, in our anticot Catioms, a Bond-Woman, or She-Villain. See NATIFEY. Anticotly, Lords of Manors fold, gave, or affigoed their Naifr and Natives. See Slave, Villain. &c. Wite of Nairry, is an anticot Wite whereby the Lord claim'd fuch a Woman for his Naif.

NE unpite Vexes, a Writ which lies for a Tenant against the Lord forbidding him to diffrain on the Tenant, who has formerly prejudiced himself by doing or paying more than be needed.

NEMÆAN Games, one of the four kinds of Games, Combats, celebrated among the antient Greeks.

GAMES.
Some fay, they were inflirated by Heresles, on occasion of bis killing the Nomean Lion's and that it was on that account they had their Name, as also the Place of Celebration, the Forest of Names.

brance, the Forest of Nowa. Others class, the Forest of Nowa. Others class. That the feven Chiefs fact to Theles, under the Gooded of Felyister, being extremely pinch d in their planes with Thirti, mer with Thirtypirly of Leanus, who had in her Arma Opholes Son of Lywaces, Frield of Tapure and Euryslee. They begging her to then Vern frome Water, the laid the Child down on the Graft, and conducted on to a Well. In her Africa, a veronous Serpent kall down on the Graft of the Child down on the Graft, and conducted on the Well of the Child down on the Graft, and conducted on the Well of the the Child; upon which the Nurfe, our of an excels of Grief, grew desperate. The Chiefs, at their return with her, kill'd the Serpeot, buried the young Opheltes, and to divert Hypfipyle, intlituted the Nemean G. refers the Inflitution thereof to Admifier, and

the Reftoration thereof to his Defeendants. nue acciteration encerol to int Detecndants.

Laftly, Mercales, on his Victory over the Nomean Lion, augmented the Games, and conferenced them to Jup ter Nomean. Æliam fays, "Iwas indeed the feven Chiefs going to the Siege of Thiefs, that infiltrated them; but adds, that 'twas in favour of Francilles.

They were open'd with Startificing to Nemean Tone, ap-pointing him a Frieft, and propring Rewards for fach as should be Victors in the Games.

They were held every three Years, in the Month call'd

They were held every three Years, in the Month culty. Pareness by the Carintians, and Berdessen by the chiestens. The deplace were the Judges, and far clothed in black, or capital two Origin of the Games. As they were infiliated to come the comparing the Configuration of the Cames themselves to come the Military Mon, and the Games themselves or come to Experiment and Commercial Computer as I capital they were open to the People, and other Kinds introduced.

The Congruences were comed with Olive, till the sime

The Conqueroes were crown'd with Ulive, till the time of the War with the Medes; when, a Blow they received in that War, occasion'd them to change the Olive for Senallage, a funcal Plant. The others maintain, that the Crown was originally Smallage, on account of the Death of Ophilire, to therewise at this Plant being fuppoled to have received the Blood which run from the Woond made by the Serpent.

NEMINE Contradictore, i.e. None contradicting it, a Term shiefly ufed in Parliament, when any Matter is carried with

universal Confent.

NENIA, or NENIA, in the antient Poetry, a kind of Verfes fung at the Obsequies of the Dead. See Obsequies.

Authors represent them as forry Compositions, lung by hired Women-Mourners. The first Rife of these News is

The Word comes from the Greek notes, on which Scaliger observes that it should be wrote in Latin Nema, not Nania.

obferves that it flouid be wrete in Latin Nema, not Nomis. Cincibert notes Pomis to have authentily been the Name of a Seng to inll Children silects, and conjectures it to the Children silects, and conjectures to the Children silects. In the Heather Antiquity, the Coddleft of Tean and Funcrals was call'd Nomis, whom fome fapposit to have given that Name to the Funcral Seng 3 and others to have taken her Name from it. Some will have the one, and fome the other, formal from the Sound or Visice of those forms the other, formal from the Sound or Visice of those

NEOMENIA, in the Schools, &c. a Term used for the New Moon. See Moon.

New Monr. See Moon,
Some fay, the Jewr reckon'd two kinds of Nemenie, or
New Moons; the first on the Day of her Conjunction with
the San; the fectord on that of her Apparition, or Phissis
and add, that they celebrated two Pathores, by reason of
the uncertainty which of these Daysis should be held on. F. Hardonin, on the contrary, maintains, they had no other Newsonia but that of the Moon's Conjunction with

other Nomemia but that of the Moon's Conjunction with the Sun's which it was caffy to affectain by Afronomical Calculation: whereas the other was liable to Milfakers' the Moon functions not thewing heeffel till four or five days after her Conjunction. See Passovan. NEOPHI TES, NEOPHINE, & Le New Plant, in the Primitive Charch, were new Christians; or the Heathers of the Charch, were new Christians; or the Heathers of the Charch, were new Christians; or the Heathers

The Fathers never difcover'd the Mysteries of their Re-

The Fathers never offcovered the adulteries or their se-ligion to the Nosphytes.

The Term is fill apply'd to the Converts which the Mifficanties make among the Infidels. The Japongé Ne-phytes in the latter end of the 16th, and beginning of the

17th Century, are faid to have fhewn Prodigies of Courage

The Word has formerly been likewife used for New Priests, or those first admitted into Orders; and sometimes for the Novices in Monafteries-

Originally the Word fignifies a new Plant, being form'd

Originally the Word figuities a new Flam, being form'd of the Greek Age, new, and post, ploquee, g. d. newly boan 1 Bagriffin, whereby they commenced Neighyer, beMEPENTHER, in Framency, a None given to moje, atc, or Landsman, by Teo-Swigters, from the gent Opinate, or Landsman, by Teo-Swigters, from the gent Opinate, and the state of t

make 'cm forget their Pains.

Some Authors fay, it was the Plant we call Helenium, d others Ampia. M. Petit has a Differention on the anand others Anopia.

and other shippen. In rear has a Differention on the anticen Nepenils.

NEPER's, NAIPER's, or NAPIER's Bones, an Influence, whereby Multiplication and Division of large Numbers are much facilitated and expedited; for call'd from its Inventer J. Neper, Baron of Merchijion in Scotland.

### Construction of NEPER's Boner.

Five Reds, Plates, or Lamelle, are provided of Wood, Metal, Horn, Pathboard, or other Matter, (Tab. Alenna, A. Fg. 1,) of an oblung Form, and divided each into nine I little Squares; each of which is refolved into two Triangles by Diagonals.

In these little Squares are wrote the Numbers of Multiplication Table 3 in such manner as that the Units, or right-hand Figures, are found in the right-hand Triangle 3 and the Tens or the left-hand Figures, in the left-hand Triangle: As in the Figure.

#### Use of NEPER's Bones in Multiplication.

To multiply any given Number by snother; diffeofe the Lamelle in fach manner, as that the top Figures may exhibit the Multiplicand; and to thefe, on the left-hand, join the Lamelle of Units; in which feck the right-hand Figure of the Multiplicator; and the Numbers corresponding thereto, in the Squares of the other Lamelle, write out, by adding the feveral Numbers occurring in the fame Rhomb together, and their Sums. After the fame manthereto, Rhomb together, and their owns. After the lame man-ner write but the Numbers corresponding to the other Figures of the Multiplicator; let them be disposed under one another as in the common Multiplication; and laftly, add the feveral Numbers into one Sum.

For Example, Supper de Multiplicand 1978, and the 1978 an

add 6 and 5, the latter Figure of the Sum 11, put down as before, and carry 1 to the 3 found in the left-hand Triangle; Detects, and carry it to the 3 tound in the lett-hand translets, the Sum 4, join as before on the left of 1846: Thus will you have the Fathum of 7 into 59785 and after the fame manner will you have the Fathum of the Multiplicand, into the other Figures of the Multiplicand, into the other Figures of the Multiplicand. whole added together gives the whole Product.

# Use of NEPER's Bones in Division,

Uf of Napan's Benein Dinfilm.

Difspot the Lamele (n, as that the uppermost Figures may exhibit the Divider; so thefe, on the lefs hand, join the Lemel of Units in Defected under the Divides, all so meet their Figures of the Divides all some meet their Figures of the Divides all some to Divides all some Divides and the Divides all some or at leaft the new divides and the Divides all some the Divides all s

be compleated. Suppose the Dividend 5601386, and the Di-viter 5978; fince it is first asked 5978)5601346(937 53802

how aften 5978 is found in 56013, 22118 defeend ander the Divisor, (Tab. ARITH. Fig. .) till in the lowest Series you find the Num-17914 41846 ber 53802, approaching nearest to 56012; the former whereof 41845

Der 5300-x, approaching nonerit to 5011x1 the former whereof the former whereof the former whereof the former to the Louville of Units write down for the Quotient. To the Remission et Units write down for the Quotient. To the Remission of Units, join to be corresponding Number in the Lonede of Units, j, is to be water down for the Quotient x and the Substitution to 1 continued as before. After the fame manner the shirl adult to continued as before. After the fame manner the shirl day to the water down for the Quotient x and the double they are the whole of the fame of the fame of the fame of the fame fame of the fame fame of the fame fame of the fame of the fame of the fame of the fame of the fame of the fame fame of the fame of whole 937. NEPHEW, a Term relative to Uncle and Aunt, figni

NEFTEW, a term reserve to Unite and Additional Regions and Reference of Sifter's Son's who, according to the Civil Law, is in the third Degree of Confanguinity; and according to the Canon Law, in the fecond. See ASSATION and CONNATION.

and Consarrow.

The Word is form'd from the Latin Neps13 which in the corrupt Age of that Language figuified the fame thing.

NEPRITEES, or Nepriteries Delive, in Medicine, a Name given to a painful Dilectic occation d by the Stene or Gerard in the Kharley. See Servise.

The Word is burnered from the Greek papers, Diffully of Medicine Constraint on the Nepsilon Constraint on peops, Note. See Kritiser.

The Word is the monga, Note. See Kritiser.

VERTEER NEPHRITIC, formething that relates to the Kidneys.

See KIDNEY.

See KINNEY.
The Word is form'd of the Greek 1930's, Rein, Kidney,
Nermarte Colis, is a Colise of him arising from Stone
of cirred in the Reins, 16'.
See Carac.
NEPRIRITICS, Medicines proper for Directs of the
Khdreys, principally the Stone. See Sovar, 16'.
Soch particularly are the Roots of Althess, Doig Grafs,
Sprattgriafs, Soy, Delifory of the Wall, Malloon, Fingers,
endla, red Chich-Feas, Yeath-Kendel, Turpenine, Ufs.
See Lavranovatanaria.

Liguum Nephriticum, but the Deceit becomes apparent by infufing it in Water.

NEPRHI-

NEPHRITICUS Lapis, a precious Stone, fo call'd from its extraordinary Virtues against the Stone and Gravel in the Kidneys. See Sross.

"Tis a kind of Jasper, of a greyish Colour, mix'd with a little blae, formetimes white and black 5 and only differs

from Jafper, in its being harder, and always without any

thing of red.
"Is brought chiefly from New Spain, where it is fometimes found in Pieces large enough to make moderate Caps.
There is form likewife found in Old Spain and Bishemia.
This Stone is very dear, by reason of the wonderful Virteet as fribed to it. A Cup made of it was fold for 1600
Crowns in the time of the Emperor Radisfphs II.

The best for Medicinal Use is of a bluish grey, far and

unctions, as Tale of Venue.

The Indians of New Spain, who first discover'd its use, and taught it the Europeans, wear it hung about their Neck, and taught it the Europeans, wear it hing about their Neck, after having cut it in various Figures, chiefly Beaks of Birds. Whence fome Charletans take occasion to counterfeit it, by cutting 3rds, and others Stones, into like Figures; and fell it at great Prices to those who have an Opinion of its Monoriti Manuley.

piritie Faculty.

NEPOTISM, a Term used in Italy, in speaking of the Authority which the Pope's Nephews, i c, his Bastards, have in the Administration of Affairs, and in the Care the

have in the Administration of Albaria, and in the Control Popes take to ratio and entitle them.
Many of the Popes have endeavonred to reform the Abufes of Nepsifin, but hitherto in vain. Let has wrote expressly on the Subject, Il Nepsifins.

NETIUNALIA, Feats held among the Antients in

mour of Neptane. benour of Neptune.

The Neptunella differ'd from the Confinalia, in that the latter were Fearls of Neptune, confider'd as prefiding over Horfes and the Manage. See CONSULTIA.

Whereas the former were Featls of Neptune in the general, and nor confider'd onder any particular Quality. They were celebrated on the roth of the Calenda of Angelf.

NEREIDS, or NEREIDES, Fabulous Deiries of the An-tients, supposed to inhabit the Sea. See Gon.

The Nertals were fifty in number; all the Sons of Nep-tante by the Nymph Davis. Their Name and Genealogies are described by Hefied.

are deteriored by Highes, in Anatomy, a round, white, long Body, like a Cord, composed of feveral Threads, or Fibres 3 deriving its Origin from the Brain, or the Spinal Marrow; and diffiibated throughout all the Parts of the Body's ferving for the Conveyance of a Justice call'd Animal Spirits, for the performance of Sensation and Motion. See SENBATION.

MUSCULAR Motors, &c.

For the Origin of the Nerves: From every Point of the Cortex of the Brain, there arise minute medullary Fibres; which, in their Progress uniting together, at length become fensible, and thus confiture the Meddle of the Brain, and the Spine. See Cogram, Madula & Hencethey are continued, and in their farther Progress,

become diffinguifh'd or feparated by Coats which are de-tach'd to them from the Dura and Pra Mater, into feveral diffind Fafeicula, or Nerves; refembling, in the Position of diffindt Esscienti, or Nervers; resembling, in the Position of their component Fibrille, so many Horses Tails, wrapp'd up in a double Tunic. See Finna.

"Tis probable that the medullary Fibres of the Cere-bellion, rifing up towards the fore-parts of the Medulla Oliver-gata, do, part of them, join the Nerves ariting thence, but fo goas, do, part of them, join the Nevest anfing thesee, but of still in cream their different Origin, Projectis, and Fun-sial III in the Company of the Company of the Company with thole of the Brain, as that there is, perhaps, no part of the whole Medic Molespace, of Spealin, where there are not found Eibres of each kind, and thus, to condition the Body of the Company of the Enganza and Johnston while within the Comman, are one Pary Enganza and Johnston while within the Comman, are one Pary Enganza and Johnston while within the Comman, are one Pary

the very improperly fo accounted; inafmuch as most of them do in reality conflit of feveral diffinelt, very large Nerver.

the very improperly to accounted, additioned as finds of stemes, the control of t

The Coats, or Covers of these Nerves are every where invefted with Blood-Vefffels Lymphatics, and other Veficles of a very tight Texture, which ferre to collect, threngthen, and contract the Edwille; and from which many of the Pharite;

and contract the North § and from which many of the Phenomena of the Norte, and of Diffuels, are accountable.

As foon as the last Extremities of the Nortes are about to enter the Patts to which they belong, they again lay afide their Coats, and become expanded cither into a kind of thin Membranish, or into a foft Pulp. See Membrane

and Frasi.

and Frass.

Now, upon confidering first, That the whole valcular

Medulla of the Brain goes to the conflicted of the Fibrille of the Neves; nay, is wholly continued into, and
conds in them? Secondly, That apon compression, testing,
dispersion, partesizion, Sec. of the Medulla of the Brain,
all he African feel on he referred by the News African. disperion, patretaction, Est. of the incentia of the Brain, all the Actions used to be performed by the Newca aring thence, are immediately aboilified, even the the Nerses continue centre and amough (a). Threlly, That the Nerses continue centre and amough (a). Threlly, That the Nerses to the Nerses of the Newcastellars are every where found has pendulous, crooked, almost the newcolor of the Nerses (a) and the their Faculty in those Parts between the Ligature and the their Faculty m more rarts between the Legature and the Extremes to which they cond, without losing any in those Parts between the Ligature and the Medulla of the Brain, or Certebiase: it cridently appears, that the nerows Fi-brille do continually take up a Humour or Juice from the Medulla of the Brain, and transmit it by so many distinct Canals to every Point of the whole Body; and by means hereof alone perform all their Functions in Senfacion, Mus cular Motion, Ee. See Sansarion and Muscle, Which Humour is what we popularly call Animal Spirits,

Which Hamour is what we popularly call doined Spirits, or the Nerson Success. See Astraits, Gaprin.
Need does there appear any Probability in that Opinion.
Need does there appear any Probability in that Opinion and their Addition by the Vibration of a No. 100 period of their Addition by the Vibration of a No. 100 period of their Addition by the Vibration of a No. 100 period of the No. 100 peri

and MarGular Monicos perform'd.

Now, after the fame manner as the Arterial Blood
in perpetually carded into all the Parts of the Body
part of the Responsible part of the Parts
part of the Certaco of the Brian and part of the Responsible part of the Certaco of the Brian of the Norte to every Point of
the Gold Body. The familiars for the Vefful; in the Cortext, at evhibited in Rayfel's Institute, which yet are only

Rayfel's deviced theory.

Rayfel's particular the Rayfel's part of the Rayfel's the Rayfel's Institute, which we have the Rayfel's Institute, which we have the Rayfel's Institute, which we have the Rayfel's Rayfel's the Rayfel's R Emiflary derived thence, flew how flender these hollow Nerous Samina must be. But the great Bulk of the Brain compared with the exceeding Smallness of each Fibralia, fliews, that their number must be great beyond the limits of all Imagination.

And again, the great Quantity of Juice conflantly brought hither, and violently agirated, will occasion a constant Pienitude, Openness, and Action of these little Canals.

nitude, Openneti, sind Attion of thefe little Canels. But, as first ligitude is every moment prepared, and the last is constinuitly proteineding the former; as foon as it has the constitution of the last little means of the last Fillmennet into the finallest Lymphasite Founder, of the the Glands, and elfowhere; it thence into the Lymphasite the Glands, and elfowhere; it there into the Lymphasite the Glands, and elfowhere; it there is not the common Lymphasite Vetficks with the Valves of Veins, and at length of the Common Commo of the Body, does it make its Circuit round the Body. See Cinculation of the Spirits.

CIRCULATION of the Spirits.

Upon the whole, if we confider the great Bulk of the Brain, Cerebrium, Medwilla Oblomgata, and Medwill. Spinelle, with regard to the Bulk of the reft of the Solids of the Body; the great number of Nerses diffributed of the Body; the great number of Nerses diffirmated hence throughout the whole Body; that the Brain and Carina, that is the Spinal Marrow, are the Bafe in an Em-bryo, whence, according to the great Malpighi, the other parts are afterwards form'd; and laftly, that there is fearce any part of a Body, but what feels or moves; it will ap-pear very probable, that all the folid parts of the Body are wove out of nervous Fibres, and confift wholly of 'em. Sco STAMES

The Antients only allow'd of feven Pairs or Conjugations
of Nerver, proceeding from the Brain; which, with their
Functions, they comprised in these two Latin Verses;

Optica prima, oculos monet altera, tertia guftat, Quertaq; quenta audit, vaga fenta eft, feptima lingue.

But the Moderns, as before obfere'd, rockon ten, which are as follow.

## NERVES of the Brain, or Cerebrum,

Olfaltery Neaves, Far Olfalterium, or the Olfaltery Pair, arifes in the fore-part of the Brain, just below the Or Frontis; these being pretty thick near the Or Gribrofum, are

there sall? A Toward Topillares, which Dr. Drade rakes to be a proposer Name in that Flace, then that of Morre's whence the Olifary Noversaties, that will distill America. As found they have made that way then the Olifary of the short the Olifary Noversaties, that distillar Noversaties, that form at they have made that way then the Olifary of the form at they have made that way the other Olifary of the form at they have made that way the other Olifary of the Table (10 in the Sentiation of Smalling, Sec Santzation, Opin's avvia. The feep is the Skall than two Perfor-tables correctly of the Tunios of the Egy is whereof, the Ratins, (reposled to receive the Olifario of Video, is an Execution of the time or mediality part atom. See V.

SION and RETINA.

NERVES that more the Eyer, Oculorum Muerii, seife from the Corra of the Medula Oblongata, near the Annular Protu-berance; whence they march out between two Branches berance; whence they much our between two Barokhes of the Cervical Array; and puffing out of the Shall at an irregular ablong hole, immediately under the former, we may be a support of the Shall at the former, we have a support of the Shall at the former, and the support of the Shall at the Shall at the support Tayloria, Soc Eyrs, out of the Shall at the support Tayloria, Soc Eyrs, out of the Shall at the time Former with the three Part, pead then follows which you the Twoklear Madde. The Shall are the Shall at the Shal

and Taite. It lends Branches not only to the Eyes, Nole, Palare, Tongue, Tecth, and most parts of the Mouth and Face, bur also to the Breatl, lower Venter, Precordin, &c. by means of the Intercostals, which are partly compused of Branches of this Nerve's whence arties a Confentor Sym-pathy between the several Parts of the Body. See Con-

SANT of Parts.
It arifes from the Annular Protuberance, near the Pro-cefful coreledy, and is at its Origin very large, but before its egrefs from the Dura Mater is divided into two Branches,

his gent's from the Daw Mare is divided into voe Branches, excit conflitting of immunerable nervous Dives, whereon content of mismurchable nervous Dives, whereon the content of the seal size. A little beyond the closit, is forme a Please called Gaughtform, near which, each there is divided into minutes and prighter Branch. after a few Tongs fast to the Daw Mare, extrest the Receptuals on each find the Daw Mare, extrest the Receptuals on each find the day is whence it funds off one or two Twigs to the Instruction of the Content of the Conten Eye, is immediately lundivided into three cess prances; the first of which, after fending Twigs to the Tunes Almata, Glandala Laceywalis, the Muscles that draw up the Nofe, and the orbicalar Muscles, renning over the Muscle which draws up the upper Eye-lid, is freet on the Muscle of the Forehead, and the common lateguments of the forepart of the Head.

or the Jordinshy, and the common insegments of the loritime from the father framing under the Tubelois and
Money, a divided into two; whereat the outer and fendler
figul, aff feeral Julies into the 1st thin earn-liquy the
Grad of feeral Julies into the 1st thin earn-liquy the
forms a feer of Hilms on the Trenk of the Optic News;
where Fathers are detached into the Mayland Expinents
of the Mayland Expinents
(Slip is fadelwided into fear Twigs; the first remaing over
the Optic News; cutter the Option, and is frent in that Nemistrae. The feecad, resuranting into the Skill by a
times turning back spin, parfice out of the Skill throw
of the Holle of the Gibplower, and is distributed into the
party on the Skill and hader orbited Majland, the
termal languagement of the Node, and the Madles which
dense it sparshs. The Gearth is distributed the language
is the state of the Skill of the Skill of the
serial languagement of the Node, and the Madles which
dense it sparshs. The Gearth is distributed highers
is the state of the Skill of the Skill of the
serial languagement of the Node, and the Madles which
dense it sparshs. The Gearth is distributed by feerally
serial languagement of the Node, and the Madles which
dense it sparshs. The Gearth is distributed by feeral
serial languagement of the Node, and the Madles which
dense it sparshs. The Gearth is distributed by feeral
serial languagement of the Node, and the Madles which
dense in sparsh of the Skill of the Skill of the Skill
dense of the Madles which
dense in sparsh of the Node, and the Madles which
dense in sparsh of the Node of the Skill of the Node
serial languagement of the Node, and the Madles which
dense in sparsh of the Node of the Node of the Node of the Node
serial languagement of the Node, and the Madles which
dense in the Node of the

Stip of the Upper Branch is spent on the Glaudula Imnewi-mata and Tanica Admata.

The left inferor Branch, e'er it leave the Skull, enters the Orbit of the Eye, and running along the outfield of the Majealus Admatan, goes our again at a little Perforation pe-culiar to it; after which it divides into feveral Fibres, forme cular test; atter which it divides into feveral. Fibres, Jone of which yo to the Integement of the Checks; is the reft to of which yo the Integement of the Checks; is the reft to the Skull at the third Formacu, it is fishelisted into these likelihe Branches, the first of which, ster four Twigs be-flow'd on the Majfore, the Tegaments of the Face, the Gums, and upper Techs; neares a peculiar Sines of the Boom, and upper Techs; neares a peculiar Sines of the Boom analysis of the Checks, and goes out at 10the particular to it; after which it dividenting feveral are 10the particular to it; after which it dividenting feveral. Fibrale which go to the Teguments of the Face, the upper Lip, the Muscle that draws the lower part of the Nose laterally, and the inner Muscle of the Nose.

The fecond man Branch running downwards behind the Ducts which go from the Nofe to the Fauces, is divided

into two; the upper whereof is diffributed by many Twige into the Mondrana Pinstaria. The lower, pating a pe-culiar Hole on the hind and lateral part of the Bone of the callir Hole on the hind and largest part of the pose or tae Palate, is diffithused into that floonly Flesh that lines the Palate, and the tough Membrane that covers it. The sided finite Branch is spent on that part of the Mondrama Finisharia that lines the Fauces upon the Utula

Palars, and the tough Membanet that covers it.

The sized full's Beards is feet on that part of the Usels and Models there are been to the part of the Usels and Models thereabours, and you the Tunion.

The greater or paleties Beards, the feet fooding a few Tough to the Dark Mode, palled the Shall then the fifth Models of the lower of the International Conference of the Conference of the

pefed into the Musfels of the lower Lip and Chin-The tier of exercisor Batch, is from on the paroid Glands, Sink Pair of Nauvas, or the Coplantin, rich come the Mus-person of the Coplantin, rich come the Mus-person and proceeding forwards, perceive the muslate Freech, and proceeding forwards of Twigs to sin these of tracle, or Sissus of the Sixall, on the fide of the ASIA, as the tist hair does a whence fending off Twigs to sin these of the fifth Fair, in their patting to Twig to so in the for the fifth Fair, in their patting to the Muser Touls-are and makin the whatere Muser the Muser Touls-and makin the whatere Muser In the Muser Touls-

our of the Skull at the fame Hole with the Month's Content, and ends in the Abbest Middle of the Kys Indiag winds from Twigue to the Tongoe. See Towers, The Abbest Middle of the Kys Indiag and the Skull three a Hele of the Content, artifag from the Skull three a Hele of the O' Territon, Airford and April on the Skull three a Hele of the O' Territon, and and as Agrif one. The best that the artifact is the Skull three a Hele of the O' Territon, and and and admit the territon of the Twinton, and and and affirm the territon of the Twinton and the Twinton of the Twinton and the Skull three as the Hele of the Critical Content and the Skull three and Middle that lines the Ker, to the mercal Middle that line the Ker, and the fine Month and the Skull three the Middle of the Critical Content and the Skull three thr other Twigs, one to the eighth Fair, the other to the Tym-panum, whole Chord it forms; whence creeping over the hindeslus, it goes out of the Ear, and fends a Ramification to the Tongue.

Addiding, it goes not to the Lay, and tennes a Kamitheaton Miller of the Conference of the Profigin. Not below the Conference of the Profigin. Not miller is, fronts fame Twigs so the Multicree, and others to the Classid south to Early where it divides into two other to the Classid south to Early where it divides into two others to the Classid south of the Classid south of the Classid south of the Classid, the Conference of the Classid, the Conference of the Classid, and of the Classid south of the Classid south of the Classic and the care and the care and not ways be upper difficult of the Conference of the Next, bear leys, and the Majorida Madicle.

In the Conference of the Next, bear leys, and the Majorida Madicle.

The Conference of the Conference of the Conference of the Next, bear leys, and the Majorida Madicle.

The Conference of the Conference of the Conference of the Next, bear leys, and the Conference of the Conference of the Next, bear leys, and the Conference of the Conference of the Next, bear leys, and the Conference of the Conference of the Next, bear leys, and the Conference of the Conference of the Next, bear leys, and the Conference of the Conference of the Conference of the Conference of the Next, bear leys and the Conference of the C

Eight Pair of Nerves, or the Par Vayon, fprings from the Medala Obsergata, a little above the Olivaria Corpora, and paffes out of the Skull throthe fame Perforations with

and paties out of the Skull thro the lame Perforations with the latered Sinut's of the Darn Mater. This, in its progrefs, is join'd by the Par Acceptation, and a little further by a Twig of the hard part of the Seventh Pair, and at the Geond Vertebra of the Neck by the Nerver that illus and at the fectoral Feverbroot fels Neck by the Norma that illust from the Cervical Matures y and describe forces I Things to the Markles of the Langua, Gala, Neck, Gr. particularly the Canaglifus Places, form by by the lines with a Branch of the Intercollal. Hence delicenting to the Thorse, it makes author Hirswale and the Galastic, whether safets the Reservest Norwan the right fels, us on the left is but in correct in reflected at the Arillay Servey, the left at the deficedding Branch of the Arras; seek training after the

Trackes, impart fome Twigs to it, and terminate in the Mufcles of the Layers. Their Ule is in the Formation and Modalation of the Voice. Sec Voyers.

Against the Origin of the zeros is fends off a Branch rowards the Heart's which dividing into two, the lefter twills about the Palmonary Vein's the bigger proceeds to the Privincessium, and Heart, effer having (net affa Yong, which Yong, when the Palmonary Vein's the bigger proceeds to the contraction of the Palmonary Vein's the bigger proceeds to the privincessium, and Heart, effer having (net affa Yong, which Prications, and Heart, after having feat ch's Iwag, which with others from the Intercollals, make the Plezus Coudines fisperier: proceeding fill further, it fends out feveral Ramifications, which, meeting together, make the Plezus Pnessoneitest, whence artife Pilves that confiring the Vefficia and Veficles of the Lunga. In its Paffing downwards, it diffributes feveral Branches or the 60°phagus, along which it runs.

phagus, along which it rans.

About the lower Forther of the Neck, the Trank divides into two Branches, the external and internal, communicating all a lamp by fewer Ramifections, and at
manufacting all a lamp by fewer Ramifections, and at
lancerofisk in the formation of feweral Pleasy's in the lower
tentra, and in them foreas toterminate. See Pleasy.

Along with thefe, and wrapp'd up in the faum Coast from
Austrian States, or Tar Academies. It has in Coast

fewerings Nature, or Tar Academies. It has in Coast

Acceptor Nauxe, patter the Acceptorism. It has its Origin from the Medical contain d in the Fertebre of the Neck. Soon after its return out of the Skull, it leaves the Far Fargon again, and is diffributed into the Mulcles of the Neck and Shoulders.

Intercoftal Nunvus, confift of nervess Filaments derived

partly from the Brain, wis. Branches of the fifth and fixth Pair; and partly from the Spinal Marrow, by those Branches they receive from the Vertebral Nerves. In each Trunk of these Never, e'er it arrives at the Thorax, are two Gersical Pickes's, the upper whereof re-ceives a Branch from each Trunk of the Par Vagum; the under sends out several Ramifications to the Oelophagus and

Apera Arteria, and particularly a large one to the recurrent Noves. From the finne Pleasa deficient we other Ramis-cation on the Grant Pleasa y which are joint a little lower cation on the Grant Pleasa y which are joint a little lower the Garriete, divides into two, and embraces and con-fininges the folk-basis afterey; where corring the Themas, it receives there or four Twigs from the upper lower Noves, coughter with which it confinites the theoretist Pleasa receives a series. Twigs from each of them to the Gr Sorms, and entire the oblinest, it forms (seen) confi-dentials Pleasa's, rise, the Literati, Pleasasa, the was Re-nafe, Polymorius angens, and two little oces in the Polisia. Sec PLEXUS.

Ninth Pair of Neaves, Mosorii Lingue, arife from the middle of the Centrum Ocale, by three or four small Twigs, and go out of the Skull near the Process of the Occiput; and fend their Branches to the Tongue.

and fend heir Bennches to the Tongue.
They may be likewise Call Geoplanes, fifth, each per large large

It is fpent on the external Muscles of the Head and Ears.

It is figent on the caternal Muclète of the Head and Ears. See Ears, 16°S. Season from the John Markov from the John Markov from the John Markov from the Mark

reft to the Or Sarrow.

Cervical Nunvus. Of these there are seven Pair: The first Pair arise between the first and second Vertebra of the Neck, and, contrary to the rest, come out before and behind; whereas the other fix Pair come out laterally from the Junctures of the Vertebre, thro particular Perforations near the transverso Processes. They go to the Muscles of

the Head and Ear.

The fecond Pair contributes the main Branch towards the formation of the Diaphragmatic Nerves, which, according to Viculiens, fpring only from the fourth and fixth The three last Pair of the Neck joining with the two first of the Derson, or Thorax, make the Brasbial

All the Ceroical Nerves fend innumerable Branches to the Mufeles, and other parts of the Head, Neck, and

Shoulders. Dorfal NERVES are in number twelve. Thefo, excepting what the two upper pair contribute to the Erasbial

Nervers, are generally diffributed into the Intercoffal and Abdominal Mufeles, the Pleans and external parts of the

Thorax.

Lambel Nerves, are five Pair: The first of which fends
two Branches to the lower fide of the Diaphragm. The
fectord form Twigs to the Gensial Parts, and others, as
well as the three following, to give the first Roots to the
Cowal Norws. The rest of the Branches of the Lumbal
Norms are distributed into the MacKes of the Lumbal adjacent Parts.

NERVES of the Os Szerum, are fix Pair; the first three or four Pair whereof are bestow'd wholly on the Crural Nerves; the rest on the Muscles of the Anns, Vestee, and

Genital Parts. Genital Parts.

Leached Neaves, are the Offspring, partly of the Certicult, and partly of the Dwfats. Thefe, after the feweral Branches whereof they are composed have been variously complicated and united, run but a little way in a Trunk complicated and united, run but a little way in a Trunk complicated and united, run but a little way in a Trunk complicated and united, run but a little way in a Trunk complicated and united, run but a little way in a Trunk complicated and united, run but a little way in a Trunk complicated and united properties. e'er they divide again into feveral Branches, variously difiributed into the Muscles of the Skin and Arms.

throutes and the address or the own and arms.

Displayments Neaves, are likewife the Offspring of the
Cervicals. Thefe, after joining in a Trunk, run thro the
Medogfriness undivided, till they arrive ocar the Displaym, ato which they fend off feveral Branches; fome into the

Muscular, others into the Tendinous part of it.

Craral Nanyes, confift of au Union of fix or feven
Pair, vis. the three laft of the Lumbal, and three or four was, we there that of the Lambal, and three or four first of the O. Steram. Thefte, after having pener their apper Branches on the Mufeles of the Thigh and Skin, as far as the Knee, proceed in a Trank downwards, which fends in Branches to the Extremities of the Tees, fup-plying as it goes, the Mufeles and Skin of the Leg and Foot. This is the larged and firmed process. Teach is This is the largest and firmest nervous Trunk in the

NERVES, in Botany, are long, tough, Strings running either a-crofs, or length-wife of the Leaves of Plants. Sec LEAVES.

NERVES, in Architecture, are the Mouldings of the Pro-NERVES, in Architecture, are the Mouldings of the Pro-ceeding Arches of Vaults; or those arting from the Bran-ches of Ogives, and crofting each other diagonally in Ga-thie Vaults, ferring to Separate the Pendentives. See VAULT, Ogive, Ed. VAULT, COLVE, Sc. NERVOSA Corpora, in Anatomy. See Cavernosa

Curpows.

NERVOUS Spirit, or Juste, is a pure, fubtile, volatile Humour, better known by the Name of Assimal Spirits a feercted from the Arterious Blood in the Cortical Part of the Brain, collected in the Medical Oblompara, and thence driven, by the force of the Heart, into the Cavities of the Nerves; to be convey'd by them throughout the Body, for the Purpofes of Senfation and Animal Motion. SPIRIT

SPRAYT.

NEST, for Nidus,
NESTORIANS, a Sect of antient Heretics; still, as 'tin faid, fabiliting in fome parts of the Levant.
They take their Name from Nofterias, who, of a Monk, became a Prieft, and a celebrated Preach, and was a length, after the Death of Nijmini in Aracher, and was a length, after the Death of Nijmini in Aracher, and was a length.

the Sec of Confrontis At first he shew'd a world of Zeal against Heresy in his At first he shewed a worst of Zeas against Hereity in ma Sermona before the Emperor 3 but at length skings the liberty to say, that he found in Scriptore, that Mary man the looker of Jight, but that he no where found, that Mary was the Maker of Cod, his Auditory was shock'd, and a great part of 'on writed from his Communion.

His Writings were soon spread throe Syria and Egypt,

where he made many Converts, notwithflanding the vigo

where he midde many Converts, notwithflanding the vigo-rous Opposition of St. Cyr. 18.

His diffinguishing Tenet was, that there are two Perfens in Jefus Christ; 3 and that the Virgin was not his Mother as God, but only as Man.

God, but only as Man.

The Doctime was condemn'd in the Council of Ephylus, at which affilled above 200 Bifhops; and Notiorsus was anothermatic'd and depoted from his Sec.

Notionism was not the Author of this Error; but borrow'd it at Amirich, where he had findied. Therdorns Mapfinglianus

had raught the fame before him.

had ranght the larms vetore num.

"Its formething difficult to determine whether or no the
Chaldet Chrittians, who still profet in Neijirnimijin, have precifely he farme Seniments with Neijirnim, whom they hill
efterm as their Patriatch. They have made feveral Reunious with the Kamiji Charch, but mose of "me have fubunious with the Kamiji Charch, but mose of "me have fubleast the considerable was that under the
Patrificate of Paul V."

"With Assime of Deem tallaril, they acknowledged mose

Till the time of Pope Juliu: III, they acknowledg'd none but one Patriarch, who affumed the Quality of Patriarch of Enlylon; but a division arising among 'em, the Patriarchate became division at III or a Time; and a new Patriarchate became divided at least for a Time; and a new Patri of engines your arthat became divided, at least for a Time; and a new Patriarch was appointed by that Pope, who made his Refidence at Carenian in Melpenania; whole Succeffle, however, unable to withfiand the Power of the Patriarch of Balylon, was obliged to retire within the Confines of Persia. Thus was obliged to retire within the Confines of Persia.

Matters flood till the Pontificate of Paul V. under whom Matters flood till the Fonnicate of Fame V. Brace whom there was a folcum Re-union with the Ramife Charrie, whom their Patriarch folemnly own of for the Mother, &c. of all Churches y fencing his Mainters to Rome to negotiate the Union, and composing an Explication of the Articles of Religion, where their Disputes with the Ramife Church

of Keligon, where their Disputes with the Rossip Church were reprefered as only verbal; Es. NET, NEAT, in Commerce, fomething pure, and un-adulterated with any foreign Mixture. Thus, Wine is faid to be Ner when not fallify or balder-

Thus, Wine is told to be Nor when not failfold or bulderful and offered, Rice, Pepper, Efe. are Nov, when the Filth and Ordanes are feparated from them.

Filth and Ordanes are feparated from them.

The second of the second of

Thus we fay, a Barrel of Cochineal weighs 450 Pounds the Tare is 50 Pounds, and there remains Net 400 Pounds.

NET-Pressec, a Term used to express what any Com-modity has yielded, all Tare and Charges deducted. The Merchants sometimes use the Italians Words, News

The Intercants outcomes up the Internal words, acceptance of the Internal National N

It answer'd to the A, mi, Ia, of the third Octave of the Organ, or the modern System.

The Word is composed of the Greek pars and Units Sales. i. c. The last of the highest Chords.

NETE Diszengmenon, in the Antient Music, was one of

the Chords of the Lyte, or System of the Antients. See DIAGRAMMA. It answers to the E, fi, mi, of the third Oftave of the

Organ, or modero System.

The Word comes from the Greek 2017 and Staffery pairon, last of the Separate oner; where is understood the word

NETE Symmomens, in the Antient Muffe, the Name of the highest Chord of a Terrachord of the Greek System, added to make the b bofs fall between the bbfs and Paramofe, i.e. between the sand b. See DADARAMMA. This Chord had the fame Soand with the Paramete Dis-

zengmenon, or our la by h medir.
The Word comes from the Greek para and correspondent

the last of those added ; where is understood the word NEURITICS, or NERVINES, in Medicine, Remedies

proper for Difeases of the Nerves, and Joints.
Such are Berony, Lavender, Rosemary, Sage, Laurel,
Marjoram, and other among the Cephalics. The Word is form'd from the Greek proges, Nervas.

Hence alfe NEUROGRAPHIA, in Anstomy, a Description of the Nerves. See NERVE.

Nerves. See Nerve. Raim, Froglett, a Phylician of Mostpellier, has an excellent Treatife in Laiin, under the Title Newsgraphs Universalis, the there are more Ramifications of the Nerves in the Skin, than in the Muslics, and all the other parts. See SEIN.

other parts. See Sais.

Disseam, somether Physician of the fame Place, has a
Treatific call'd Newsyraphia Raisesslit.

Newsyraphia is formething more general than
NEUROLOGY, which implies a Diffeourfe of the
Nerves; in as much as the former may be underflood,
not only of Discourties on the Nerves, but all of Figures

and Engravings, reprefesting them; whereas the latter is reftrained to discoursing alone.

NEUTER, a Person free or indifferent, who has espoused

INDUE LEN, a remost tree or montrecent, who has espossed neither Parey, and is neither Friend nor Foc.

Thus we say a Judgo is to be Nower in the Causes be judges; and thus, we say, in Questions, where Reason appears Nower, a Man muttever incline to the Side of the Unhappy.

NEUTER, in Grammer, is used for a fort of Gender of Nouns which are neither Masculine, nor Feminine. See GENDER. The Latins have three kinds or Genders, Masculine, Fe-

minine, and Nester. In English, and other modern Tongues, there is no fuch thing as Nester Nouns. See Novn.

regunt, he rules, &c.
And, adly, those that do fignify Actions, the those fuch
as don't pale into any Subject different from the Actor; as

to dine, to Jup, to play, &cc.

But this latter kind formetimes cease to be Nester, and

But this latter kind formetimes cease to Do Nomer, and commence active; effectably in Greek and Latin, when a Subject is given them; as wivere vision, ambulare vision, pagiare payment. Thus the fold French Poets fay, Soupher Jen townson; the Englis, to figh his Wee, Sc.

But this is observed only to obtain where founding particular is to be expected, not contained in the Verby as

pugnam, to fight a good fight, Se.

According to the Abbot de Dangeau, Verbs Neuter may be

According to the Austral Dangers, the first those that form divided into allive and payfee; the first those that form their Tenses in Employ by the auxiliary Verb to have; in French by awar. The second those that form them in English with the Verb to be ; in French, erre.

Thus, to fleep and to yourn, dormer and eternmer, are New

ractive. To come, and to arrive, are Nesters paffive.
The fame Author fubdivides each Kind into feveral Sec VERB.

NEUTRALITY, the State of a Person or Thing that

is Nester. See NEUTER.
NEUTRAL Salis, among Chymifts, are a fost of intermediate Salis between Adds and Alcalies 3 partaking of the nature of both. See Salt, Acts, and Alcalies 7 partaking of the nature of both. See Salt, Acts, and Alcalies Mr. Eyle allo gives the Appellation Neural to a fort of Spirits, differing in divers Qualities both from Vinous, Acid, and Urinous Spirits. These he also calls Anony.

And, and Urinous opirita. Love no alto caus anonymous and Andiaphewas Spirits. See Antarhonous.

NEWEL, in Architecture, the upright Poll, which a Pair of Winding Stairs turn about; or that part of the Stair-Cafe which fultains the Steps. See Stair.

The Newel is a Cylinder of Stone, which bears on the Groand, and is form'd by the ends of the Steps of the

Winding Stairs. There are also Newels of Wood, which are pieces of Wood aced perpendicularly, receiving the Tenants of the placed perpendicularly, receiving the Tenants of the Steps of Wooden-Stairs into their Mortices, and wherein are fitted the Shafts and Refls of the Stair-Cafe, and the

Flights of each Story EW-Moon, that State of the Moon a little before, and a little after her Conjunction with the Sun. See Mood and

CONTUNCTION NEWTONIAN Philosophy, the Doctrine of the Universe, and particularly of the heavenly Bodies; their Laws, Affections, &c. as deliver'd by Sir Isaac Newton. See Pur-LOS OPHY.

The Term Newtonian Philosophy, is apply'd very differently; whence divers confuted Notions relating thereto. Some Authors, under this Philosophy, include all the Cor-pufcular Philosophy confider'd as it now flands corrected Pulcular Philotophy Consuer a as it now thanse currected and reform'd by the Discoveries and Improvements made in feveral parts thereof, by Sir I. Newton. In this fense it is that Gravelande calls his Elements of Physics, Introdullio ad Philosophiam Newtoniam.

And in this fenfe the Newtonian is the fame with the New Philosophy, and flands contradiflinguish'd to the Car-tofian, the Perspaterie, and the antient Corpusation. See Total the Peripatetia, and the antical corpsission. Occ Corpuscular, Peripatetic, Cartesian, &c. Others, by Newtonian Philosophy, mean the Method or Order which Sie I. Newton observes in philosophizing 3 vis.

Phenomena, exclusive of all previous Hypothefes; the beginning from fimple Principles; deducing the first Powers beginning from himple Principles; deducing the first Powers and Laws of Nature from a few felced Phanomena, and then applying these Laws, &c. to account for other things. To this Parpose, the same Gravesande explains himself in his layline. Newton. Philo?

Inglines. Neuron. Philof.
And in this fends, the Neuronian Philosphy is the fame with the Experimental Philosphy; and stands opposed to the Experimental Philosphy; and strain opposed to Cherts, by Neuronian Philosphy. And Strain Philosphy. Philosphy. Bedies are confider? Mathematically; and where Comentry and Mechanics are applyed to the Salation of Phaeomena: 1 which fends, the Neuronian is the fame with the Mechanical and Mathematical Philosphy. See Mar-with the Mechanical Philosphy. See Ma CHANICAL.

CHANICAL.

Ohres, again, by Newsonian Philophy, understand that part of Physical Knowledge, which Sir I. Newsor has bandled, impreved, and denondrared, in his Principies.

Others, Iailly, by Newsonian Philophy, mean, the new Principles which Sir I. Newson has brought into Philophys thenew System Gunded thereons and the new Solution of Phenomena thence deduced: or that which Catagedrizes, Phenomena thence occured: or that which characterizes, and diffinguithes his Philotophy from all others. Which is the feafe wherein we shall here chiefly consider it.

As to the History of this Philosophy, we have but little to say: It was sieft made public in the Year 1686, by the

Author, then a Fellow of Theiry-College, Cambrigh; and in the Year 1713, republished with condiderable Impreedment, Several other Authors have fines assumed to fail be the Authors of the fines assumed to fail bine Mathematical Refearacts, and finbituming other more obvious Readings, or Experiments, in lies thereoff, particularly #Hylivs in his Profest. Phy. Machant. and Grocea, and the Authors of the Authors

the univertal Kecepton it has met with at home, it gams ground very flowly abroad, Neurominojin has Gerce two or three Abbrenots in a Nation) but Cartifizing, Haydenianija, and Lelbinishianija renains itili in position. The Philipiphy lifeli is laid down chirdly in the Book of the Principlas. The two preceding Books are taken up in preparing the way, and laying down fach Principles of Mathematikes above the most relation to Philipiphy. lepies of mathematics as lave the most relation to Pini-pleply. Such are the Laws and Conditions of Powers. And theie, to render them lefs dry and geometrical, the Author Illustrates by Scholis in Philasophy, relating chiefly to the Denfity and Refittance of Bodies, the Motion of Light,

Denfity and Kehitance of Bodies, the ritting of Lagun, and Sounds, a Vacuum, See.

In the third Book he proceeds to the Philasephy intels, and from the fame Principles deduces the Structure of the Universe; and the Powers of Gravity, whereby Bodies rend towards the Sun and Planets; and from these Powers,

the Motions of the Planets and Comets, the Theory of the Moon and the Tides. This Book, which he calls de Mandi Syftemate, he tells us, was first wrote in the popular way: But considering, that such as are unacquainted with the faid Principles, would not conceive the Force of the Confequences, nor be induced to lay afide their antient Prejudices; for this Reafon, and to prevent the thing from being in continual Dispute; he diprevent he thing from being in continual Difjuor 3 he di-egiled the Sum of that Book hen Drogotines, in the Ma-chemistic Immer 1, for at it might only come to be read-in mediated in the sum of the sum of the sum of the incectine, a slant Boule Imail: the and I, Many of them, even the first new Mathematicians, would find a Difficulty in gening over. The scought to have each the Definition, in gening over. The scought to have each the Definition Book 1 after which, the Auther bimidif directly as to pain on to the Book 4 septiment Jonas. The forward Ambient of the Philipphy, are deliver'd under PRAMEN\_COMEN, EARTH, Also, CENTRITYES INC.

stár effeitire Head in this Dilimoury a sign, Moos, PEASTY, COMY, EARTY, AIR, CENTRETEAL FIFE, REATRY, HAY, CENTRETEAL FIFE, REATRY, CARPETER LIVER, REATRY, CARPETER LIVER, AIR STACE, REATRY, G. A. GROOT Idea, or A bittail of the Whele, we finall here gratify the Reader withal; to flow in what Reclaims the feveral Parts fland to each of Phillotophy is founded, it the Tever of Corney, This Principles in which the whole Phillotophy is founded, it in the Januard. All Mar. news: Afple, long up, hinted it in this Januard. All Mar. and Mar. All Mar. and Mar. an

and their Effects in the Motions of the primary Planets But the Glory of bringing it to a Physical Demonstration was referred to the English Philasepher. See GRAVITY. was referred to the Emilyo Philosopher. See Gravity.

His Proof of the Principle from Phenomena; s together
with the Application of the fame Principle to the various
other Appearances of Nature, or the deducing those Appearances from that Principle, conflitute the Newman
System 3; which, drawn in Ministure, will stand thus.

signers which, drawn in Molaturec, will that thus.

I. The Phenomena exp., 1. That the Sacilities of Jupiter
do, by Radii drawn to the Canter of the Plant, deferible
Areas properious to their Times; as data their Periodic
tars properious to their Times; as data their Periodic
is Centers in which all Othervations of all Affreomenes
space. 3. The Gene Phenomenone holder of the Sacilities of
Satura, with regard to Statura; and of the Moon with regard
to the Earth, 2. The produced: Times of the promy
mean diffuses from the Sun. But, 4. The primary Plants
dount deferible Areas my way propertical to their predict
cal Times, about the Lates, 3 as their foresterned from the
Saturaturature. Planton, 506. SATELLITES, PERIODS, &C.

SATELITES, PERIODS, US.

II. The Downers whereby the Satellites of Jupiter are constantly drawn out of their rectilinear Course, and re-tainful in their Cobies, dorefleed the Center of Jupiter, and are reciprocally as the Squares of their distances from the fame Centre. a. The fame holds of the Satellites of Saturn, with regard to Saturn, of the Moon with regard to the Earth: And of the primary Planets with regard to the

the Earth: And of the primary Flahous with regards of the San. Sec CLINARIESTAL FUR.

III. The Moon gravitates towards the Earth, and by the Power of that Gravity is retained in her Orbit: And the fame holds of the other Satellites with respect to their primary Planets; and of the Primaries with respect to the San. Sec Moon.

The Powerfilms is they proved.

As to the Moon, the Proposition is thus proved: The Moon's mean distance is 60 Semidiameters of the Earth; her Period, with regard to the fix'd Stars, is 27 Days, 7

Hours, 43 Minutes; and the Earth's Circumference 123249600 Paru Feet. Now, fuppoling the Moon to have lost all its Motion, and to be let drop to the Earth, with loft all its motion, and to be let drop to the Earth, with the Power which retains her in her Größ is in the fipace of one Minute fine will fall 15 1/2 Paris Pect 3 the Arch fine describes in the mean Morton at the diffiance of 6.0 Semi-diameters of the Earth being the verled Sine of 13 72 Paris Paris Horse as the Paris Paris Paris Feet, Hence, as the Power as it approaches the Karth, in-creases in a duplicate Ratio of the distance inversity; fo, as at the Surface of the Earth, its 60x 80 greater than the Moon: A Body falling with that Force in our Region mult, in a Minute's time, deferibe the space of 80x 80x 15 % Parir Feet; and 15 % Parir Feet in the space of one Second.

Second.

But this is the Rate at which Bodies fall, by their Gravity, at the Surface of our Earth; as Hoggan has demonstrated, by Experiments with Pendulums. Confequently, strated, by Experiments with Pendulums. Contequently, the Power whereby the Moon is retained in her Orbit, is the very fame we call Greaty: Forif they were different, a Body fatting with both Powers together, would defend with double the Velocity, and in a Second of Time deferible so & Feet. See Desenve of Robert.

At the the other formulative Planes, when Planes are the Planes are the Planes are the Planes and Planes.

As to the other fecundary Planets, their Phenomena with As to the other fecundary Planets, their Planounces with refect to their primary one, being of the fame kind with those of the M-on about the Earth 5 via sequed, by Ana-legy, they depend on the fame Canfes: It being a Rule or Axiom all Philosophiza agree to, That Riffells of the fame kind, have the fame Canfes Aspin, Attredion is always manual, i.e. the Reaction is equal to the Action. anways insurant, i.e. the accaction is equal to the accion. Confequently, the primary Planets gravitate rowards their fecundary ones; the Earth towards the Moon, and the Sun towards cm all. And this Greety, with regard to each feveral Planer, is reciprocally as the Square of its diffance from its Centre of Gravity. See Attraction, Reaction, Se. IV. All Bodies gravitate towards all the Planets; and their Weights towards any one Planet, at equal diffusees

from the Centre of the Planet, are proportional to the Quantity of Matter in each.

For the Law of the Defeent of heavy Bodies towards the Earth, fetting afide their nnequal Retardation from the Relifiance of the Air, is this; that all Bodies fall equal spaces in equal times: But the nature of Gravity or Weight, no doubt, is the fame on the other Planets, as on the Earth. See Weight.

Earth. Sec WEIGHT.
Suppofe, e.g. fush Bodies raifed to the Surface of the
Moon, and together with the Moon deprived at once of all
Progective Moion, and droyd owards the Earth: "Th
flewn, that in equal Timesthey will deferibe equal Space
with the Moon; and, therefore, that their Quantity of
Matter is or that of the Moon, as their Weights to in Weight.

Add, that fince Japiter's Satellites revolve in times that are in a fefquiplicate Ratio of their diffances from the Centre of Inputer, and confequently at equal distances from Impiter of Jupines, and confequently at equal citizeness from Jupines their accelerating Gravines are capul; therefore, falling equal Altitudes in equal 'Himes, they will deferribe equal Speces; pild as in heavy Bodies on our Earth. And the farme Argument will hold of the primary Placets with regard to the Sam. And the Powers whereby unqual Bodies are equally secologically accelerated, are as the Bodies; i.e., the Weights are the primary pilotic pilo Weights of the primary and fecundary Planets towards the Sun, are as the Quantities of Matter in the Planets and Satellites.

And hence are feveral Corollaries drawn relating to the

And hence are feveral Corollaries draws relating to the Weghts of Botics on the Surface of the Earth, Magnetifun, Weghts of Botics on the Surface of the Earth, Magnetifun, the Articles Vacuus, Walturg, and Macoustrain V. Gravny cannot stiff toward all Bodies, and is in proportion to the Quantity of Matter in each other, has been already flowers il Kewlic, that the Gravity rowards any one condider? a part, is reciprocally as the Squeeze in Dillasec from the Carter of the Plant: Configuration. Gravity is proportional to the Matter therein. Further, Cravity is proportional to the matter therein. Fariner, as all the Parts of any Planet, A, gravitate towards another Planet, B; and the Gravity of any part is to the Gravity of the whole, as the Marter of the part to the Marter of the whole, and Readthon equal to Adthon: The Planet B will gravitate towards all the Parts of the Planet A; and its Gravity towards any part, will be to its Gravity towards the whole, as the Matter of the part to the Matter of the

Hence, we derive Methods of finding and comparing the Weights of Bodies towards different Planets; of finding the Quantity of Matter in the feveral Planets; and their Desster: Since the Weights of equal Bodies revolving abou Planets, are as the Diameters of their Orbits directly, and as the Squares of the Periodical Times, inversly; and the Weights at any diffance from the Centre of the Planet are greater or lefs in a duplicate Ratio of their diffances, inverfly: And fince the Quantities of Matter n the Planets are as their Powers at equal diffunces from their Centres: And, halfly, fince the Weights of equal and homogeneous Bedies towards homogeneous Spheres, are, at the Surfaces of the Spheres, as the Dismeters of table Spheres, and, confequently, the Denlifts of heterogeneous Bedies are as the Weights at the Dismeters of the Sphere. See DENSIFY.

the spacers. See DENSITY,
VI. The common Centre of Gravity of the Sun, and
all the Planets, is at reft: And the Sun, the always in Metion, yet never recedes far from the common Center
of all the Planets.

For, the Matter in the Sun being to that in Jupiter as For, the matter in the Sun being to that in Japater as 1033 to 13 and Spiters dilatance from the Sun to the Semi-diameter of the Sun in a Ratio formewhat bigger; the com-mon Center of Gravity of Spiter and the Sen, will be a Point a little without the Sun'a Surface. And by the fame means the common Centre of Saturn and the Sun will be a means the common Centre of Satura and the San will be a Point a little within the Sun's Surface: And the common Centre of the Earth, and all the Planets will be fearce one Diameter of the Sun diffant from the Centre thereof. But the Centre is always at reft: Therefore, the the San will have a Martin this and that was exercise to the will have a Motion this and that way, according to the various Situations of the Planets, yet it can never recede far from the Centre. So that the common Centre of Grafar from the Centre. So that the common Centre of Usa-tivity of the Earth, Sun, and Planots may be citiceral for Centre of the whole World. See Sun and CENTRE. VII. The Planets move in Ellipfee that have their Fee in the Centre of the Sun; and deferibe Areas proportional to

their Times

their Times.

This we have already laid down à posteriori, as a Phenomenon: And now, that the Frinciple of the heavenly Motions is flown, we deduce in therefrom à priori. Thus: Since the Weights of the Planets towards the Sun are reciprocally the Weights of the Francis towards the Sun are receptorally as the Squares of their diffances from the Centre of the Sun; if the Sun were at reft, and the other Planets did not acl on each other; their Orbits would be Elliptical, having the Sun in their common Cumblicus; and would Actions of the Planets are very small, and may be well thrown aside. Therefore, Sc. See Planet and Or.

Indeed, the Adion of Sepiter on Sature is of fome confequence; and hence, according to the different Situations and Disinances of those two Planets, their Orbits will, be a little diffurbed. See Distraction Proc.

bea little distribed. See DISTERSING 289CE.

The San's Orbit too, is fensibly distribed by the Adion
of the Moon: And the common Centre of the two
deferbes an Ellipsis round the Sun placed in the Umbility
and with a Radius drawn to the Centre of the Sun, deferibes

reas proportional to the Times. See EARTH and SATURN.
VIII. The Aphelia and Nodes of the Planets are at reft. Excepting for fome inconfiderable Irregularities arising from the Actions of the revolving Planets and Comets.— Confequently, as the fix'd Stars remain their Position to the Aphelia and Nodes; they, too, are at rest. See Node,

TAR, &c. IX. The Axis, or Polar Diameter of the Planets, is less

than the Equatorial Diameter.

than the Equatorial Dameter.
The Planete, had they no disernal Rosation, would be
Spheres; as having an equal Gravity on every fide: But
by this Rosation, the Parts receding from the Asia, endeavour or it is to awards the Equator, which, if the Master
they confit of be fluid, will be affected very fentility. Acthey confile of be fluid, will be affected very tenholy, ac-cordingly Japiter, whole Denlity is found nor much to ex-ceed that of Water on our Globe, is obferred by the Affen-menter to be confiderably left between the Poles, than from Eaft to Well. And on the fame Principle, unleft our Earth were bigher at the Equator than rowards the Poles, the Sea would rife under the Equator, and over-flow all

the Sex would fife under the Equator, and over-flow attention. See Strain Example, Sir J. Normen prove likewise prices of the Earth Sir J. Normen prove likewise prices in from the Offeliatess of Feedlaum Service prices and the Polar Normen Service of the Globe. See Pravaturement, than the Polar Normen Service of the Globe. See Pravaturement, the Polar Parts of the Globe. See Pravaturement, the Incomplete in the Model Morion, follow from their Priciples: E. Jr. Her the Service of th

DRATURE, SYZYOY, &C.

XI. From the Inequalities in the Lurar Motions, we can deduce the feveral Inequalities in the Motions of the Satel-

deduct are reversified united in the monons of the Sater-lises. See SATILLITES.

XII. From these Franciples, particularly the Astion of the Sun and Moon upon the Earth, it follows, that we must have Tides; or that the Sea must swell and subside

muß have Tides; or that the Sea mußt fwell and fubfide weice exery Day. Sea Tipnz. XIII. Hence likewife follows, the whole Theory of Comets; as, that they are above the Retion of the Moon, and in the Planetary Spaces; that they fline by the Sun's Light reflected from them; that they move in Consis Sections, whole Unbilled are in the Centre of the Sun 1

and by Radii drawn to the Sun, deferibe Areas proportional and by Assain craws to true sun, deterine areas proportional, or to the Times; that the Orbits, or Trajectories, are very meanly Parabolas; that their Bodies are folid, compact, Ee, like tode of the Planets, and must therefore acquire an immense beat in their Peribelia; that their Tails are Exhalations artifug from them, and encompating them like Atmospheres. See Comer.

The Objections rais'd against this Philosophy, are chiefly against the Principle Gravity; which some condemn as an against the Principle Growiny's which tome condemn as as weard Quality, and others as a miraculaus, and preter-natural Caufe; octiber of which have longer any room to found Philofophy, Others, again, fer it safide, as deflrey-ing the Notion of Vortice; and others, as fappofing a Va-coum. But their all bundantly obviated under the Articles Granvey, Appracryon, Vortex, Vacuum, Ede.

NEXUS of Matter, See Conteston.
NICHE, in Architecture, a Cavity, or Sinking, in the
Thickness of a Wall; to place a Figure, or Statue in. See

STATUE. The larger Niches ferve for Groups of Figures ; the fmall once for fingle Statues, fometimes only for Bults

The Word comes from the Italian Nicebie, Sea-Shell; in regard the Statue is here inclosed as in a Shell; or, perhaps, by reason of the Shell wherewith the Top of fome of them is adora'd.

Great Care must be taken to proportion the Niebes to the Figures 5 and that the Pedeshals of the Figures be proportion'd to the Niches Round Nacue, is that whose Plan and Circumference are

Circular. Square Niche, That where they are Square.
Angelar Niche, That form'd is a Corner of the

Building.

Ground Nichts, That which, instead of bearing on a Massive, has its Rife from the Ground; as the Nickes of the Portice of the Panthcon at Rome: These are otherwise call'd Tribunals. See TRIBUNAL. Niebes are sometimes made with Rustic-work, sometimes

with Shell-work, and fometimes of Crail'd, or Arbor-

NICHOLAITANS, or NICOLAITANS, one of the most antient Sects in the Christian Church. It had its Name from Niconat, a Person ordain'd a Deacon of the Church

The diffinguiffing Tener of the Nicholaitans, as repr feoted by Ecclefiatical Historians, is, that all Marris Women should be common ; to take away all occasion of

Other Authors tax Nicholas with other Impurities ; but Cemens Alexandrinar impures them all to his Difciples, who, he fays, abufed their Master's Words. Nebslar, it feems, having a very beautiful Wife, was suspected by the Apoilles

he fays, absfed their means he fayeded by the appendance of the property of th

who adds, that Nobel's never had more thanous Visi-Other things thang'd on the Nobeliuser, are, "That they made no frapile of easing Mean offerd to Idolis. That the Carson: That I for the I for the I for the I for the Carson: That flow for the I for the I for the inhabited the eighth Heaven, and who proceeded from the Father, and we the Medicar of Juddenius or, according the I for the Paralism to the Monter of the Leven I for the I for the fether inflament. Achieve to the parallel for the I for the Medicar of the I for the I for

their own impurities. Ohen furevel Books, and presented Reverlations under the Name of Falchard. Irrares and Epiphonius relate thefe and other Entrara-guatory and regiment to Niebelianus as Authors of the Superior Control, and Superior and Superior and Coctors, Infigura, Periors, and Main, take the Name Niebelianus to be could not fingling and addied to Pic-fare and Debauchery addings, that it has nothing to do with Niebelianus or of the Even Descens. And, as the with Niebelianus or of the Even Descens. And, as the production of the Control of the Control of the Control immediately after mention made and the Control of the time, they compare the two Names Balaism and Niebelianus. immentately steer menton made of Balann, and his Dec-trine, they compare the two Names Balann and Nieblan, which, in their Originals, the one in Greek, the other He-berth, have nearly the fame fignification, via. Prince, or Mafter of the People. Mains adds, twas probable enough the Nieblaham might value themfelves on their give Differples of one of the feven Deasons, but that it were middle properties.

feven Deacons; but that it was without any ground : notwithstanding what the Antients, ever too credulous, have

withthoung what the antients, ever too credulous, have reprefeded to the contrary. NICOTIANA, or Herbs Nicotiana, a Term given to Tobaces i from Nicot the French Ambafiadur at the Court of Pornegal, who first feat it into France in 1560, and gave it

his own Name ; as he himfelf tells us in his Dictionary, See TOBACCO.

NICTITATING Membrane, in Anstomy, a thin Membrane which covers the Eyes of feveral Creatures, and fluctures them from Duft, or too much Light; yet is fo thin, that they can fee indifferently well through it. See

The Nillianing Membrane is chiefly found in the Bird and Fifth Kind. See Bard and Fran.

This Membrane in the Eagle's Eye, is remarkably close and firm, infomueb as to be accounted as a fecood Eye-lid : And hence that remarkable Firmness of the Eagle's Sight in viewing the Sun.

Sec EAGLE. in viewing the Sun. See Eacl E.
NIDUS, Noft, a Depofitory, wherein certain Animals,
Fowls particularly, Infects, and Reptiles lodge their Eggs,
for Incubation 3 and wherein, when hatch'd, they nurio
their Young till they become able to fluit for them-

The Word is Latin, and supposed to be derived from Nider, strong, or ill Smell; in regard the Nosts of Animals afaally flink.

usually titink.

Mr. Derbass fays, he has often wonder'd how Wafps,
Hornetts, and other Infects that gather dry Materials (as
the Duft of Wood frasped off for that purpole) should find
a proper Matter to cement and glue their Combs, and line
their Cells i but he adds, That in all probability 'ris in
their own Bodies: as in the Times Pejirorra, the Cad-

Worm, €c. Geoder observes of his Erner that fed on Leaves, that it made its Cell on Leaves glued together with its own

NIECE, a Term relative to Uncle and Aunt, fignifying Brother or Sifter's Daughter; which, in the Civil Law, is the third Degree of Confanguinity, and in the Canon Law, the fecond. See Agnariand Cognari.

NIENT Comprise, in Law, an Exception taken to a Pe-titionas injust; because the thing defired is not in that Act,

or Deed whereon the Petition is grounded.

Thus, a Person desires of the Court to be put in Possess formerly adjudg'd to him among other Lands: The adverse Party pleads that this Perition is not to be granted, by reason the the Petitioner had a Judgment for certain Lands

reason to the retinener had a Juagement for certain Lands and Houfes, yet this Houle is not comprised therein. hEPE, Ners, or Nere Tides, are thefe Tides which happen when the Moon is in the middle of the fecond and lait Quarters. See Tide: The Niger-Tides are opposite to the Spring-Tides 5, and as

the highest of the Spring-Tides is three Days after the Full or Change, so the lowest of the Niese is four Days before the Full or Change , on which occasion the Seamen fay,

the Pall or Change, on which occation the Seamenlay, That it is deep Niep.

When a Ship wants Water, so that she cannot get out of the Harbour, off the Ground, or out of the Dock, the Seamen say, See in Niepel.

NIGHT, that Part of a Natural Day, during which the

NIGHT, that Part of a Natural Day, during which the Sun is underneath the Horizon. See DAY.

Or Night, is that Space of Time wherein the Sun is out of our Hennipher.

Under the Equator, the Night are always equal to the Days. Under the Poles, the Night holds half the Year.

The antient Ganh and German divided their Time not by

Days, but Night: as appears from Tacins and Cefar. And the People of Reland and the Arabs, do the fame at this day. The fame is observed of our Saxon Ancestors. day. The same is observed of our saxon and the Council of Cloreshoe, Anno 824, we read, Ili finita & preferipta contensione coram Epiferpo post 30 Noctes, illum Juramentum ad Westiminster deduction cst. Whenco

our Custom of faying, Seven-night, fort night, &cc.

our Custions of Faying, Science-sight, five night, Sci.
NIGHT-Mac, a popular Name for a Diffical by the
Gree Physicians cull'd Ephasite, and the Latins, fundors;
the Green Science Custing of the August Popular
their Sounce Custing a with heavy Food difficult of De
gettien, are very liable. See Issue was.
The Diffical makes the fleeping Facine appear as if opprefid with a huge Weight on the Breatl's whence beer
clearly imagine from Species or Pastoms (Doping, Ma

Breath

Breath.

The Difease does not arise, as was antiently imagined, from groß Vapours filling the Ventricles of the Brain's but rather from a too great repletion of the Stomach which prevents the Metion of the Disphragm, and, of confequence, the Dilaution of the Breath necessitary to Respirate. ration. Others take it to be produced by a Convulsion of the

Others take it to be produced by a Convilion of the Mudles of Refightation. See Erritar-TERs in Diffact a Benalto oblerves, Thus the Josh call the Diffact a Benalto oblerves, Thus the Josh call the Diffact a Benalto oblerves, Thus the Josh call the Diffact as Benalto oblerves, Thus the Josh call the Diffact as Benalto oblerves are the Diffact and Diffact and Diffact and Diffact and Diffact and I make the Diffa

Name: Capius per Billius, or per Breve, is a Form used when Judgment is given against the Plaintiff, so as to bar his Action, or overthrow his Writ. NIBIL Dicit, is a failing to put in an Answer to the Plaintiff's Pleaby the Day affigu'd.
NIHILI Albam, fee Poseruye Ax.

NHIBLI of them, fee You're vache, Millis of the Sheriff that in Spilled so, which she Sheriff that in Spilled so we making worth, and Illeviable; for the Cackey for Neuron, Millieviable; for the Eachieper who makes a Roll of the Sum which are, Neuron Carrier, it and Officer of the Eachieper who makes a Roll of the Sum which are, NILOMETER, an Instrument suid among the Amient, to meeting the keight of the Water of the Nile, and the Nile of the Nil

Hegira to the 875th. Engire to the 875th.

Herodous mentions a Column crecked in a Point of the fland Delta, to ferve as a Nilmetre: And there is flill one of the fame kind in a Mofque of the frame Place.

As all the Riches of Exptratife from the over-flowing of the Nil of Engire Place.

As all the Kiches of Egypt arile from the over-nowing of the Nile, the Egyptium old to fuplificate them at the hands of their Seraps, and committed the moft execrable Crimea, as Adions, forforth, of Religion, to obtain the Favour. This occasion of Confinence expertly to prohibit these Sacrifices, See, and to order the Nilmerre to be removed into the Church 5 whereast ill that time it had been in the Temple of Scrapic. Julian the Apoltate, had it repla-eed in the Temple, where it continued till the Time of the Great Theodyliss. See on the Subject of Nilsmetres, the Alla Engliseam Lipfit, Anno 1686.
The Word comes from the Greek win. Note, (and that

The word comes from the order wases, two, Que may from ria hists. New Mad 3 or, as others will have it, from ria, I flow, and hav, madely and selest, Medite.

The Greek ordinarily call'd the Nilsmetre, Nilsfeepe.

NIMBIS, in Antiquity, a Term fignifying a Circle, ob-ferved on certain Medals, around the Heads of fome Em-perors; answering to the Circles of Light, or Aureola, pla-

ced around the Images of Saints.

The Number is feen on the Medals of Massier, Phosas, and

others, even of the upper Empire.

NIMETULAHITE, a kind of Religious among the
Torke; fo call'd from Nonceslabi their Initiator. When a The would be admitted into the Order, he is to flut himfelf up close in a Chamber forty Days, tied down

that himself up close in a Chamber terry rays, tree users to four Oances of Food or Day. The term expired, the Nourelabbre: take him by the Hand, and lead him a Mourab Dance accompanied with an infanty of ridicalous Actions, or Geffures it ill the violence of the Exercife, with his former Regimen, throw him down on the Ground. This Pall is confrued an Extafy, during which he is fupposed to have a Vision.

The Nimeralabites meet every Monday in the Night-time,

and fing Hymns to God, &c. NIPPLE, fcc BREASTS

NIFIE.5, fice BRARAFE.

NIGHT Print, Index, a War. Indicised which litch in Coffee.

NIGHT Print, Index, a War. Indicised which litch in Coffee.

NIGHT Print, Index, a War. Indicised which the first the Justice, one of the Farcise requells so lever (such Writfor the Justice to come before the Justices in the fame Country. In the Country of the Common Print P

not use senerint, &c.

NITRE, in Natural Hillory, a fort of Salt, thus call'd

Sec SALTFETRE. Naturalitis differ as to the Point whether our Saltperre

be the Nitre of the Antients. G.C. Schelhauer has a parti-cular Treatife on the Subject, de Nitre tam veterum tum noftre Commentaring Most other Authors held the antient Nove to be Mineral

or Foffil ; whereas our Saltpetre is Artificial. Strapte fays, their Mines of Nitre were like those of common Salt and that it was form'd out of running Water comgoal'd in its Progress into a fort of Stone. He adds, That their Name was of four kinds, distinguish'd by the Countries whence it came; viz. the Amenian; Roman; whence it came; viz. the American; Kawan S African; call d Approxime, and by Acceans, Entrade 5 and the Egyptian, which was the moft famous, giving Name to all the ceft; idelf denominated from Nitra, a Province in Etype, where it was found in great abundance. He affures us, too, that their Nore was of divers Colours, one, white, red. and livid; that fome was eavernous, like a Spunge; others close and compact; others transparent like Glass; and others fealy.

Steelbante gives a different Account: The Antients, he observes, distinguished between Meer, Nitre, According, Apprenistre, and Access styre, Spunta Nitri, or Scam of Nitre.

He adds, That dyriots, &c. in militaken in silvering that there were antiently Milos in Lydn, Magnyila, Gains, &c. cust of which, New week gill the Stonest ord Charger's, And that of which, New week gill the Stonest ord Charger's, and that of which, and the Charger's and the Charger's and the Machenia, who few Merrs were Nitwas, and in the middle whered, however, was a Syring of fresh Water, familical specifical and the Charger's and the Stafface of the Water during the mighbouring Capier the Gail of 1742/e-leries, and was form'd like a Craft on the Sarface of the Water during the Degday. The Waters of the Lake Childin, were fivere and possible towards the Sarface, yet minusest bottom. reseat bottom

There was also Nitre gather'd on the Ground near Philippi, in Thrace; but it was little, and of no great value.

The Valleys of Media also furnish'd forme. And there

The Valley of Meds all formill'd form. And there were Nor-Fis in Egypt, as there are Sal-Fis is mong, at Son. Nation and National Medical Table child Frience and National Medical Table child Frience the Aniestas alcentic and an forth the Control of the Control of the Sale and Sale for the Control of the Sale for the

"Its excellent in Diffales of the Heart, accompance with a propertity to comit.

Abundance of our Phylicians are full of the Notion of a setalet Nitre abounding in the Air; and a world of Phenomena they account for from the Operation of the Particles thereof. See Air. thereof. See Alb.

That the Atmosphere abounds with Saline Particles, is most certain; for being filled continually with Effluvia from the Earth and Sea, it must needs have from both a great Quantity of Saline Carpaciles; and these will be of different Kinds, according to the Variety of those Salts from

unrecent Kinos, seconding to the Variety of time Sais from whence they are derived. See Sair."

But why their Bloodle be molly fuppoled of a Nitrous nature, is not fo easy to prove 5 for Saltypetre is by no means found in greater Quantity than the other Salts, effectively common Sait, not is it of a much more cacing Section 2. Sect volatile Nature than they, nor capable of being raifed more

NOBILISSIMUS, in Antiquity, a Title, or Q iven to the Princes of the Imperial Family. or Quality

TITLE.

F. Dissense advances, That the Title Nobiliforms was first given under the Emperor Justim; yet we find the Title, Nobilis Cafar, or Nob. C. that is, Nobiliforms Cafar, on Medals Nebili Cefar, or Nob. C. that is, Nobilifimus Cefar, on Medals lang before that Time, even as early as Trajar. So that even M. Tillowori is mittaken where he fave, The Quality of Nobilifimus is not to be found in Hittory before the Time of Configurate the Great, who first gave it to his two Brothers; after which it was attributed to fuch of the Em-

Broblers; after which it was attributed to Isca or the Lim-core Calladra waves not Coffee.

For Calladra waves not Coffee.

For Calladra Reps. but that the Nobilifymate first became additional intelligence of the Company of the Company of the Corean. NOBILITY. Quality that dignifies, or renders a Thing Show a Parlant, or Commoner. See Nosia... In England, indeed, but no where elle, the Term Marking is retirated to Degrees of Dignity above Kughhabed.

See Kareur.

See KNICHIT.

Some refer the Origin of Nobliny in Europe to the Grib's Some refer the Drigin of Nobliny in Europe, rewarded their Captains with Titles of Hoesey, and call'd them Noblet, Noblets, to difficult from the common People.

Noblets, to difficult for the common People.

Noblets, to difficult is only confer d by the King, and that by Patent's in vitrue whereof, it becomes Herediaty. In other Countries there are other ways of acquiring

Thus, in France, v. er. there are feveral Offices which convey perfect Nobilus, and fuch as defeends to Posterity. Such are all Offices of the Crown, those of Counfeller of

Others they have which only communicate an Acceffory, or Personal Nebilary, which dies with the Person. Thus, a

Completer in Parliament copys all the Rights and Ex-emptions of Nobelty 3 yet his Son is never reputed Nobelty unless there have been a Succession of them, and both Pather and Granditather have been Nobels which they call

Patre & Ave Confulib They have a third Kind of Nobility, call'd Nobility of the Bell, de la Cleebe 4 which is what the Mayors and Sheriffs

the Bul, so in Cheece, which is what the mayors and oberats of certain Cities, as Lions, Burges, Rochel, Postiers, &c. acquire in virtue of their Magiliracy.

The Nobility of England is call'd the Petrage of England. See PEER AGE.

The Princes of the Count, Vicoust, and Baren. Secenth Degree under its proper Article, Durk, Manquist, Est. The Princes of the English Nationy are very confiderable. They are all effected as the King's Herediary rable : They are all cilcomi' as the King's Heredmay Councillons is and reprinteged from all Arreits, unclic for Tracios, Pelony, breach of Peace, Condemnation in Parliament, and Caterny of the King. So Supplicative and be granted against the contract of the period of ration of the Necetity the Law fupposes them ander of attending the King's Person. Guillow observes, That if an Appeal of Murther or Felony be Ged by a Communer, against a Peer, he fhall be tried by Commoners, on Peers.

tried by Commoners, not Peers.

No Peer may go out of the Kingdom without the King's leave: If any have leave, he is to return upon the King's Writ, or to forteit Goods and Chatels.

Antim. Matthews observes, That Noblity among the Remain was a quite different thing from what it is a mong us. The Noblet of the Remain were either those raind or the same of the Remain were either those raind to the same was a price of the Remain were either those raind to the Magittrature, or defeended from Magiffrates: There was

no fach thing as Nibility by Patent.

Bertoli fays, That Doctors, after they have held a
Chair in an University for twenty Years, became Nible;
and are entitled to all the Rights of Counts. See

But this Claim is not admitted at Court, &c. the Bar-slis's Sentiments be back'd with those of several other Authors, particularly Chaffanens in his Confuctudes, Baroun-

Aubors, particulusly (Sufferest in the Conference, Engra-der 8 pages for Kamene & Revry, 1864 et 20), & dr. (E. which iss, however, retirent instrubils') Rule to Dicktors. Which is his, however, retirent instrubils' Rule to Dicktors. The state of the

On the Coast of Malabar, Children are only capable of being Nable by the Mother's fide; it being allow'd them to take as many Husbands as they please, and to quit them

to take at miny Hubbodis as they picale, and on quat teem when they think good, the has a Privilege, which raifee MOBLE, a Privin also has a Privilege, which raifee him, above a Common, or Rightman of their by Brith, by the pical pical pical pical pical pical pical pical la Bujuda, the word Noble in of a natroner import, than in outher Countries, being confident to before above the Degree of Knights; whereon, abroad, it comprehends not may knight, but sife what we finishly call Gentleres, or and Knights, but sife with we finishly call Gentleres, The Noble of Employment of Countries and Countries and Countries and "The Noble of Employment of the Countries and Countries and Countries and Noblesson Pour, the Good Indiana. See Countries and Countries a

Nobilitate Pares, the Grade Impares. See PEER.

The Word comes from the Latin, Nobilis, form'd from

The Word comes from the Lasin, Nobliti, form'd from the antient Noblith, dillinguithable, creatabable.
The Feanus Noblight is famour: This in this that the Califace; The feanus and the Califace is the first only comprehends as Families.
The feanul includes the Defeendants of all those who were water in the polled Book, in 189, and defined to govern the State, which then began to be Artificerative.

Market Medical Califact for the a have beaught the Dignity of Medical Califact of the State, which then began to be Artificerative.

Noble Veneriane This last Class is only admitted to the inferior Employs 5
The two former, to all indifferently.
The Title of Noble Venezuan is sometimes also given to

The Title of Noble Venetian is sometimes also given to foreign Kings, Princes, Sie.

NOBLE, or Reje Noble, a Money of Account containing 6 1. 8 d. See Money.

The Noble was antiently a real Coin, under the Deno-ination of Noble, or Role Noble. See Coin.

ministion of Noise, or Refe Noise. Sec Conn.
Authors observe, that there has not been any Fiece of
Gold or Silver of this Name, coind with us, fince 9 H.V.
They were first coind by Refu. III, in 1334.
The Noise containd & od. the fame with the prefent
Money of Account: Its half was call'd Golsen, containing
40 d. ins fourth part the Quadrance, or Farthing in those

and its nearmy pear.

NOCTAMBULL, a Term of equal import with Susmassled, applied to Perfoss who have a Hebri of ring,
and willing about in theirSteps. See Stears. The
Word is a compound of the Latin Nos. Night, and
Skenken, Hebring, Candern, and Hildman, who have
worse of Sleep, give us divers unhappy Hildright of Michaelald.

The Diforder confifts in this, that the proper Organs of Muscular Motion are at liberty, while the Organs defined for Senfation are bound up, or in a State of Inaction. See

for Senfation are bound by, of in a State of fination, See MURCULAN, Mellina and STRIALTING. to object of, that the Law of the United State and Body, are facts, at that Law of the United of the State and Body, are facts, at that cernial lakes allow apone cernial Melton of the Fibres of the Brins and cernain Meltons of the Fibres apon ex-tended to the Company of the Company of the Fibres acquire from permanent Stateston, which gives a freet Pallage to the Spiritz towards a cortain part of the Body than ordinary. Wi then the Animal Spirits become Body than ordinary. It then the Animal Spirits become too copious, or too much agitated, or conflict of parts too folid; they throw themfelves into the Paffages they find the moft open, glidie into the Netwes and Mucles corresponding to those Paffages, and there produce the Motions proper to those Muscles

Accordingly, the Body rifes and walks; the the Soul be excluded from thinking on the Objects that use to employ

it on fuch eccations

ir on 1stch eccasions.

The Billons, according to Harifins; the Melancholic, according to Silius; and the Sanguine, according to Likawin, are the most fishplet to their swirmard Vagates.

The Remedica are all fach things as temper the silicon of the Spirits, and relax the Pibres; at Bleeding, and all Coolers, either interteally or extensily; a Apertive too, have a good effect 5 but the belt Remedy is Cold-

Babbing.

NOCTILUCA, among Naturaliths, a Species of Phofphorus, fo call'd because it thincs in the Night, and
without any Light being thrown on it; as that made of
Urine, 55. by which it is dilinguistical from the other Species of Phofphorus, which, c'er they thine, must be excies of Phofphorus, which, c'er they thine, must be exposed to the Sun-Beams; such as is the Belevier-Stone, Se. See Phosphorus and Botonian-Stone.

See the control of th name at their, like cinner of them, but required the Con-tack of the Air (the not say external Rays or Heat) to make it produce Light, which would be very durable, in a well depyd Verfil. Add, that it was not the Body that theme, but an Exhibition, or Effairium mix'd with the Air 5 on which accounts, the Inventor gives it the Denomination of the Acrial Notitiaes.

Denomination of the Areal Novinska.

The farm Mr. Beyle, afterwards, prepared another fort; which, from the little pellucid Fragments, or Crystals therein, he denominated the 18y Notificat.

NOCTURNAL, formething that relates to Night, Nex; in contradiffinction to Diarnal. See Night and Diun-

In this fenfe we fay, Nollurnal Affemblies; Nollurnal Pallations, &c. Sec POLLUTIONS, &c.

NOCTURNAL Paint, a frequent Concomitant of Venereal Diforders, which can only be palliated with Narcoticks mothing but a Mercurial Courfe, or a long continued ufe of

nothing but a Morcurial Courfe, or a long continued used for Erdinal can curriedly entone, then, who that of a Girls deferible by the Stan, or a Star, in the Night. Some Northwark. 20th of the Star, in the Terion of a Girls be patter over between our Metrilian, and the Point of the Star of the

chiefly at Sea, from the Altitude, or Depreifion of fome of the Stars about the Pole. See Diat.

There are Nothernals of various Contrivances; fome of them Projections of the Sphere: Those ordinarily used are adapted either to the Pole Star, or the two Stars in Nothernals and the Pole Star, or the two Stars in Nothernals and the Nothernals and the Nothernals and the Nothernals and the Nothernals and Notherna Urfa minor, call'd the Guards.

## Construction of the Nocturnal.

The Instrument consists of two Circular Plates, (Tab. The Influencest confish of two Girolar Placs, (Tab. NATAGATOR, Fig. 1) applied on each other. The NATAGATOR, Fig. 1) applied on each other. The NATAGATOR is allowed it lacked bilancest, as it is draided bilancest, as a second of the confidence of the NATAGATOR of the NATAGATOR

Hours are noted by a 4 Teech 5 to be told in the Night. Those at the Hours 1s, are diffiningified by their length. In the Centre of the two circular Plates, is adjusted a long index 4, moverable upon the upper Plate. And the three Pleces, via. the two Circles and Index, are join'd by a River which is pierced thro the Centre, with a Hole two Inches in Diameter for the Star to be observed through

#### Ufe of the NOCTURNAL.

Turn the apper Pitte till the lengeld Tooth married 1s, be against the Javy of the Mouth on the under Pitte; then the pitter of the Mouth on the under Pitte; then the pitter of the Mouth of the Mouth of the Mouth of the London with the London without a Light, by accounting the Carlot with the London without a Light, by accounting the Techni from the longed, which is from London with the London without a Light, by accounting the Techni from the longed, which is from London with the London without a Light, by accounting the Techni from the longed, which is from London with the London without a Light, by accounting the Techni from the longed, which is from London with the London without a Light, by accounting the London without the London with the London without the London with the London w

NODE, Nonus, in Chirurgery, a Tumour arifing on the Bones, usually proceeding from some Venereal Cause. See Tumor and Bone.

Sec Tunon and Bons.
It feems generated of a thick, cold, vifcid Hamoor, which is often found very difficult to refolve.
They frequently apply to it a leaden Plate cover'd with Mercury. The Care is first astempted by Employed.
Recurs and Mercur's justificating, from Chrem'al Ungucot is now and then rubb'd on them; and affer-wards Mercurial Platiters made of Ginanbar, \$\mathcal{E}\_{\mathcal{E}}\$, \$\mathcal{E}\_{\mathcal{E}}\$ and a first property of the property

plicd.

Some Physicians call it Exoftesis 5 others give the Name Nodes to all Tumors arising on the Joints, and Nerves. Node, Nodes, is also used for the Tumors, or Protube-None, Nodes, is also used for the Turmors, or Protube-rances arising on the Joints of old Gouty Penple; call'd also Topis. See Torius.

They are supposed to be form'd of a thick, crude, heavy, vificid indigested Matter; mix'd with a hot, sharp, billious Juice, the groffer and more terrefitial Part whereof

being detain'd, grows into a flony fort of Concretion. See NODES, in Aftronomy, the two Points wherein the Or-bit of a Planet interfects the Ecliptic. See Onnir and

Recipric.

ECLIFIC.

Soch are the very Reiner. C and D. T.Th. Across. T.G.

Soch are the A. E. Ween, but Plant School, and I. Soch are the Manner of the Children of the Chilpric, is call'd the discussion flow, the Northead Nobe, and the Teaching the Entering and than track! C S. The spher Nobe D, where the Pinner de
Southwood Nobe, or the Proper' I Tall is thus marked ty, See Dancook; Vind and Tall, Gr.

But the Company I Tall is thus marked ty, See Dancook; Vind and Tall, Gr.

Lad Physics and Tall, Gr.

Lad Physics and Tall, Gr.

I appeara from Obiteration, that the Line of the Nober of all the Plantes coultment, when the Pinner of all the Plantes coultment, when the Pinner of all the Plantes coultments and the Pinner of the Pin

Situation in confequentia; i. e. from East to West, contrary

to the Order of the Signs.

Thus, by a retrograde Motion, the Line of the Moon's Noder finishes its Circuit in 19 Years; in which time, after having receded from any Point of the Ecliptic, it returns to

having receded from any some the fame. See Moose. When the Moon is in the Noder, the is also in the E. When the Moon is in the Keriod; when the is at her cliptic, etc. twice in each Period; when the is at her 7 Y greatest

flicis faid to be in her Limits. See LIMIT.

The Moon must be in one of the Nodes when there is an

Eclipse, either of the Sun or Moon. See Eclipse, Pla-NET, Us. None, in Dialling, is fometimes used for the Style, In-dex, or Gnomon of a Dial. See Gnomon.

Sementimes it is alfouled for a Hole in the Ceiling of a Room, or in the Window, for the making of a Dial on the Floor, Wall, or the like.

Floor, Wall, or the like.

NODUS, or Kass, fee KNOT.

NODUS in Feery, &c. fee INTRIOUS.

NODULUS, in Pharmacy, a Bag of Medicinal Ingredictions put into Beer or Wise, the Tinchare whereof the Pariser in real.

Patient in orake.

NOETIANS, a Seck of antient Heretier, Dilciples of
Noteria, an Ephipian, the Natter of Salecius.

Noteria, an Ephipian, the Natter of Salecius.

Noteria, an Ephipian, the Natter of Salecius.

Noteria Patient of Salecius of Salecius of the
Erather that furtired: An Error, fays Epiphania, who
worte an handerd Crear after Newton, never heard of beforce it ho 'its certain there had been other Paripaglian' in
Ec Ounch beforehim. See Parint statistics.

Being reprehended by his Superiors, Notins made them this Answer: What have have I done? I adore one only God 3 I own none but him. He was been, suffered, and is

dead.

dead.

NOLI metanyere, in Medicine, a kind of Cancer, or a malignant Eruption to the Face, occasioned by an extremely start, corrolive Humour. "Ta faid to be very dangerous touching it if or, frequently, in endeavouring to care it, 'its irritated the more, and the Patient's Death baffened.

Hence its Name, which literally fignifies, don't souch

NOLI me tangere, is chiefly used among us for an exter-nal Ulcer in the Ale of the Nose; proceeding often from a Venercal Cause, the sometimes the Effect of a Scrophulous Conflitution. Sec ULCER

It does not always confine itfelf to the Alz, but will fpread and corrode the very Subflance of the Nofe. The Cure is difficult, especially when it arises from a bad Con-

Ritution The Botanists also describe a Plant under this denomi-

nation, which it derives from a fingular Property it has, of datting out its Seed when ripe, upon the first approach of the Hand to touch its Pods. See SEMINATION. NOMADES, a Name given, in Antiquity, to feveral Nations or People, whose whole Occupation was to feed and tend their Flocks; and who had no fix'd Place of

Abode, but were conftantly shifting, according to the Conveniences of Pasturage.

The most celebrated among the Namades were those of Africa, who inhabited between Zengitania to the East, and sarrtansa to the Weft. Salaft fays, they were a Colony of Persians brought into

Africa with Hercutes.
The Nomades of Afra inhabited the Coasts of the Cafpian-

Sen.
The Nowades of Scythia were, and still are, the Inhabi-

The Nowales of costons were, and still are, the Inhabitants of Link Tartery.

The Word comes from the Greek viace, I feed.

NOMANCY, the Art of divining the Fates of Persons by means of the Letters that form their Names. See NAME.

Nomancy is more usually call'd Onomancy. See Ono-

The Word is a Compound of the Latin, Nowen, Name, and uarries, Divination

and uservis, Divination,
Nummary, or, as it flould rather be call'd, Numinowary,
or Onventionary, feems to be nothing elfe but the Cabbillife Generic. See CapaRat.
NOMARCHA, in Antiquity. Egypt was antiently divided into feveral Regions, or Quarters, call'd Numer's,
from the Groth yield, rathen in the Sente of a Divition and the Officer who bad the Administration of each Numer
and the Officer who bad the Administration of each Numer from the King, was call'd Nomareba, from rous, and area

Communic.

Some and the second second

NOMENCLATOR, among the Romans, was usually a Slave, who attended Persons that stood Candidates for

reasest distance from the Noses, wie, in the Points E, F, Offices, and prompted them the Names of all the Citizens they met, that they might follicite them, and call them by their Names; which among that People, was the highest piece of Civility. See Candidate.

The Novemelator was also call'd Protocollus.

The Nomenzator was also call'd Proteonius.

NOMENCATOR of the Roman Charleb, was an Officer, whose Business was to call the Persons whom the Pope invited to Dinner. He also littlen'd to those who demanded Audience 3 in the Isane manner as those now retain d by the Cardinals e will dealine.

Andlesse ji in the lame manner as those nor stream we year cardinals, called Andlers.

NOMENCLATURE, a Catalogue of ferceal of the more thank works in any Language, with their Significations a process of the cardinal works and their Significations are the cardinal works of the cardinal works and their significant cardinal works are to learn the Tengue.

We have Lain, Greek, French, Ko. Noncalaturet, NOMINA Filterms, and Account of the Names of all the statement of the Policifors thereof, in each Osseyt, drawn for the cardinal works and the cardinal works are the cardinal works.

We have Latin, Greek, French, Sc., Nomenetationer.

NOMINA Vidiarum, and Account of the Names of all the

Filinger, and the Possessor thereof, in each County, drawn
up by the Gereral Sheriffs, at the Instance of King Edm. I.

and return'd by them into the Exchequer's where it is

and return o by Local that the Local Action of the lift preferred.

NOMINALS, or NOMINALIST, a Sect of School-Philosophers, the Difeiples and Followers of Cohom, an Employ Cordelier in the 14th Century.

The Nominality were great dealers in Words; whence

The Nominality were great dealers in Woods; whence they were vilgarly denominated Wood-fellers. They had the denomination Nominalife, because, in op-position to the Realifit, they maintained, that Woods, nor Things, were the Ohject of Dialectics. See Realists, c. This Soft had its first Rife towards the end of the X1th

Century, and pretended to follow Porphiry and Ariftotle; but it was not till Ochow's time that they bore this Name

The Nominals were the Founders of the University of Leighte: There are many yet abroad, who pique them-

Leipfic: There are many yet across, wno page mem-felves on being Nossimals.

The Nossimals, with the Strict, admit the formal Can-ceptions, or lebes of Things, as the Subject and Founda-tion of Univerfality; but to this they add Narnes, which reprefers and figurity, after the fame univocal made without any diffication, a great variety of fingle things.

alike in Genus and Species,
Whence it is they are call'd Neminals 3 as precending,
that to become Learned, 'its not enough to have just I dear
of things, but 'its likewife required to know the proper
Names of the Genera and Species of Things, and to be
able to experts them clearly and precifely, without Confusion, or Equivocation.

MOMINATION, the Action of Naming, and appointing a Person for some Function, Employ, or Benefice.

The Word is chiefly used for the Right of Presenting to a Benefice, &c.

The word is curely used to the stopic of Freehaung to a chefice, See. See Senstrice, See.

In Common Law, however, there is a difference between similarions, and Prefentation 5 the former being properly a Power which a Man has, by virtue of a Masor, or other-wife, to appoint, or name a Clerk to a Patron of a Benefice, to be by him preferred to the Ordinary. See Patron Ta-

TION and COLLATION. NOMINATIVE, in Grammar, the first Case of Nouns which are declinable. See Case.

which are declinable. See UARE.

The simple Position, or laying down of a Noun, or Name, is call'd the Nominative Case's yet is it not so properly a Case, as the Matter or Ground whence the other Cases are to be form'd, by the feveral Changes and in a contrast which of the feveral Changes and in

Cafes are to be form'd, by the leveral Changes and In-flexions given to this first Termination. See Nous. Its chief a fe is to be placed in Difcourfe before all Verbs, as the Subject of the Proposition, or Affirmation; as, Ds. minus regis me, the Lord governs me; Dear exaudit me, God NOMINATOR, he who names, or prefents a Person

NOMINATORS, he was names, or prefents a Person to an Office, or Benefice.

Hence Nominee, the Person as med or prefented.

Errord observes, there are some Castisms where the Nominees is responsible for the Solvability of the Nominees.

NOMICANON, a Callection of Canons, and of Imperial Laws, relating or conformable theretoe. See Ca-

The first Nomocanon was made by Johannes Scholastic

in 554Postiat, Patriarch of Confinatinople in 883, compiled another Nonvocation, or Collection of the Civil Laws with the
Canons: This is the most celebrated. Ballanon made a

Commensary out in 1100.

Nomocanon, is also a Collection of the antient Canons of the Apostles, Councils, and Fathers, without any regard to Imperial Constitutions; such is that published by M.

Nomocanon again, is fometimes used for a Penitential Book of the Greeks The Word is composed of the Greek ring, Lex, Law; and zare, Canon, Rule.

NON-

NON-Ability, in Law, an Exception taken against the Plaintiff, or Defendant, upon some Cause, why he cannot commence a Suit in Law; as Præmunire, Oatlawry, Procommence a out in Law y as Fremhante, Ostiawry, a ro-fefa'd in Religion, Excommunicate, or a Stranger born. This last holds only in Actions real, and mixed y and not in personal, except he be both a Stranger and an Enemy. The Civilians fay, that such Man bath not Perjonam

standi .n judicio. Non admittas, or Ne admittas, a Writ which lies for the

Plaintiff in a Quire Impedit, or him that has Action of Darre in Prejentment depending in the Common-Bench, and feats the Biftop will admit the Clerk of the Defendant during the Suit between them

Non-Appearance, a Default in not Appearing in a Court of Judicatore. See APPEARANCE.
Non-Claba, in Law, the omiffion, or neglect of him who ought to challenge his Right within a time limited.

By fuch neglect, he is either barr'd of his Right; as at this day, upon Non-claims within five Years after a rime, and Right to him accraed; or of his Entry by Defeent, for want of Claims within five Years after the

Diffeifin. Non Molesiands, a Writ which lies for him who is mo-

lested contrary to the King's Protection granted him.

Non Omittas, a Writ which lies where the Sheriff having ver'd a former Writ to a Bailiff of a Franchife in which

deriver a rormer writ to a nation of a Franchic in which the Party it is to be ferved on, dwells; a and the Bailiff having neglected to do it: Upon the Sheriff's returning, that he delivered it to the Bailiff; this fecond Writ shall be directed to the Sheriff, charging him to execute the Einst Company of himself. King's Command himfelf.

Non Ponendo in Affin, & Javatis, a Writ granted on divers Occasions to Men for the freeing them from ferving on Affizes and Juries; as by reason of Old Age, &c. See

Juny, &c.

Non Proceedings and Assign Rose inconfutes, a Writ to Stop the Trial of a Cause appertaining to one who is in the King's Service, See till the King's Pleasure be further

Non fane Memorie, or Non fane Memorie, is an Exception taken to an Act declared by the Plaintiff or Demandant to be done at a time when the Party that did it was Mad, or

be done at a time when the l'arty that did it was Mad, on noin his Wins; as to a last Will, &c. Sec Nova Cempos. Now Jan Informator, Ice I NYON MATTER ATTOM NON-Refidence, in Law, is applied to fach Spiritual Per-fons as are not retident on, but do abfect themselves, for no eMonth together, or two at feveral times of the Year, from their Benefics. See ENNEYER. Regulatly, Personal Refidence in required of Ecclesisti-

Regularly, Perforal Refidence in required of Ecclestical Perforas person their Cares. See REJIDENCE. CALL Perforas port before are performed to the Configuration of the State Performance of the Configuration of the Confi deliver their Verdict.

The Civilians term it Litis rennuciationem Non Compos mentis, a Phrase denoting a Person not to be

Non Composements, a Prated cenoting a Person not to be of found Memorry, or Understanding.

Of this, in common Law, there are faid to be four Kindes : First, an Ideot born; Secondly, He that by Accident Iofeth his Memory and Understanding; Thirdly, a Lunatic, that has Levida intercally, fometimes has Understanding. a Lunauc, that has Lucasameressan, concurred has be his danding, and fometimes not; Fourthly, He that by his own act, for a time, deprive himfelf of his right Senfes, as a Drunkard: But this last kind shall give no Privilege

to bim or his Heirs. A Defeent takes away the Entry of an Ideot, the the want of Understanding were perpetual.

wast of Understanding were perpensal.

Now sidiants, summilystanding, in Law, a Term, or Claufe
usual in Strates and Francis. All Grant of jude Penfigur,
and every Now siddents therein constands, fault between
and every Now siddents therein constands, fault for the
top of the Penfigure, for the strategy of the top of
the Penfigure, for the three for the side of the
Non-sidiancy, in the Rossific Cosmo Lews, makes the
third part of the Provisions of the Court of Rosse's begin

Confuser. Rechaffullisticions, and occuriently Differentiations, for
Confuser. Rechaffullisticions, and occuriently Differentiations, for

Confures, Rehabilitations, and necessary Dispensations, for the Enjoyment of Benefices. None inferior to the Pope can use the Clause Nonobstante.

Non Term, the Time of Vacation between Term and erm. See Vacation.

It was antiently call'd the Times or Days of the King's Peace. See Prace of God and the Chards. Among the Romans it was call'd Ferie, or Dies Nefajli. See FERIE and NEFASTI. Non eft faffism, in Law, an Answer to a Declaration, whereby a Man denieth that to be his Deed whereupon he

is impleaded.

Non est Casp lestis, He is not Guilty, in Law, the general Plea to an Action of Treit als, whereby the Defendant ablouch denies the Fad chargd on him by the Plaintiff, whereas in other special Antwers, the Defendant grants the Fact to be done, but alledges forme Reafons in his Defence, why he lawfully might do it.

As this is the general Answer in an Action of Trespas i.e. a Criminal Action civilly profecuted; fo is it in all Actions criminally follow'd, either at the Suit of the King, or others, wherein the Defendant denies the Crime of jected to him.

Non Plevin, Non plevina, a Default in not Repleying of Land in due tim

Hengam writes, That the Defendant should be fure to repley his Lands seiz'd by the King, within fifteen Days. And that if he neglects, then, at the Instance of the Plaintiff at the next Court-Day, he shall lose his Seifin, four per defaltam pojt defaltam

By Sat. 9 Edw. 3. it was enacted. That no Person should thenceforward lose his Land because of Non Pieron. Non-Tenner, an Exception to a Count, whereby the Parry urges, that he holdesth not the Land mentioned in the Count, or at least some part of it.

West diffinguishes Non-Tenare into General and So-

The fift, where one denies himfelf ever to have been Te-nant to the Land in question. The fectord, where he only alledges that he was not Tenant the Day whereon the Writ was purchased

Non liquet, it does not appear: A Verdict given by a Jury, when a Matter is to be defer'd to another Day of Trial. See Verdict.

The fame Phrase was used among the Romans; after hearing the Caufe, such of the Judges as thought it not fufficiently clear to pronounce upon, cast a Ballot into the Urn with the two Letters NL, for Non Liquet.

Non-Entity, Nibil, or Nothing, is whatever has no real Being, and is only conceived Negatively, or only claims a

Dring, and is only concerned negatively, or only claims a negative Denomination. See Esse, Essence, Ele.
Non-Naturals, in Medicine, Res Non Naturales, are the Caufes and Effects of Discales, whether near or remote. See DISEASE.

Physicians have digested all the Cautes of Difeates into fix Classes, which they call the fix Non-naturals. These

1. Air. 2. Meat and Drink, 3. Motion and Reft, 4.
The Passions of the Mind. 5. Exerctions and Retentions.
6. Sleepand Waking. See each under its proper Article, AIR, MEAT, DRINK, &c.

They are thus call'd, because by their use or abuse they become either Good, Naturals, or Evil, Contro-noturals. But the Division, in effect, is of no great ofe; the Causes of Difeates being much more commedically laid down otherwife. See Disease.

NONÆ and Decome were Payments antiently made to the Church by those who were Tenants of their Farms. The Nose were the Rent or Duty claim'd for things ne-

The Name were the Rentor Dury claim'd for things no-longing to Hashandry; it the Decime were claim'd in Right of the Charch. See Dicime.
NONAGE, in Law, an Incapacity of doing certain things from a want of Age. See Acr.
The Term of Nowage is different, with regard to different things. In Mattern of Inheritance, a Man is in his Nange

till twenty-one Years; for Marriage till fourteen, &fe, MINORITY

NONAGESIMAL, in Aftronomy, the 90th Degree of the Ecliptic, reckon'd from its Eaftero Point. See ECLIFY

The Altitude of the Nonagefinal is equal to the Angle of the Ecliptic, and paffes thro the Poles thereof: Whence the Altitude of the Nonagefimal, under a given Elevation of the Pole, is cafily found.

If the Altitude of the Nonsystimal be substracted from 90°, the Remainder is the Distance of the Nonsystimal from

Vertex.

NONAGIUM, in Law, the ninth part of moveable Goods; antiently paid in nature of a Mortsary; being claim'd by the Clergy upon the Death of those of their

Patifib. See Mortuary.

At first it was a third Part of the Goods, and was call'd Terragian; till by a Ball of Clement VI. it was reduced to a Nieth.

NONAGON, a Figure having nine Angles and Sides. See Polygon

NONCONFORMISTS, the Name of a Religious Sect, or rather of a number of Sects, in England, The Term was antiently confin'd to the Paritans, or rigid Cabinitis; at prefent it extends to all who Diffent from the offablished Church, the Romanitis alone excepted.

See DISSENTER. The Word had its Rife from a Declaration of King Charles I, who appointed that all the Churches of English

and Sestland flould have the fame Ceremonics and Difei-pline; the Acquiefence wherein, or Diffening from which, determined Conformits, and Nanosenjorasus. NONCUPATIVE, in the Schools, a Term used to ex-perfessionething that is only nominal, or has no Existence but

in Name.

in Name. Felix of Urgel maintain'd, that Jefus Chrift, as Man, was only God Noneapatreely, i.e. only by Name. Alcain, in his Answer to Felix, maintains, that 'its to fall into Nesteriumion to distinguish two Sons of God in Jefus Chrift, the one Natural, the other Adoptive ; and two Gods, the one Real, the other Namespasses.

NONCUPATIVE, or Nancupative Will, in Law, a laft Willor Teftament only made verbally, or vive uses, and not patin Willing. See Will and Terrament.

NONES, None, in the Roman Calendar, the fifth Day of the Months January, February, April, June, August, Sep tember, November, and December; and the seventh of March,

tember, November, and December; and the feventh of March, May, July, and Offober: Thele four last Months having fix Days before the Nones, and the others only four. See CALENE

The Word apparently has its Rife hence, that the Day of the Noner was nine Days before the ides, and might be call'd Nono-Idus. See Incs.

call'd Novo-Idas. See IDES.
March, May, 1949, and Assign's had fix Days in their Nours's by reason these alone in the antient. Constitution of the Year by Nows, had at days spices; the rest having only 29, and February 50. But when Cofur reform'd the Year, and made other Months contain 3; Days, he did not likewise allot them fix Days of Nows. See CALEMDAR, YEAR, MONYER,

NONE, is also o is also one of the feven Canonical Hours, in None is the last of the letter Hours that comes before

VESPER.

The fingle Office, and that for the Dead, end at Nowes, which Father Refusered observes, was antiently the Hour for the breaking up of the Synausis, or usual Meetings at Church of the Primitive Christians.

The Hour of Neses was also the usual time for taking the Repast on Fast-days, the some would keep the Fast till See FAST. NONUS Humeri Placentini, in Anatomy, a Mufele, call'd

alfo Returder miner. See ROTUNDUS NORMAL Line, in Geometry, is used for a perpendicular Line. See PERPENDICULAR.

NORROY, or North Roy, i.e. Northern King ; the Title the third of the three Kings at Arms, or Provincial Heraids. See King at Arms, and Henalds.
His Jurifdithion lies on the North fide of Trest, whence
his Name 3 as Clarenciese, on the South. See Clanen-

NORTH, in Cosmography, one of the Cardinal Points of the Horizon, being that Intersection of the Morizon and Meridian nearest the North-Pole. See Cardinal Point and

HORIZON. Non TH-Sar, the last in the Tail of the little Bear; call'd alfo the Pole-Star. See Poliz Sta

Sce SEA. NORTH Wind, Non TH Pale, NORTH Sea.

NORTH Sea Company, S NORTH Wall, North Dial, &c. WALL. DIAL, SE. Nor THE East, a Rhumb, or Point, in the middle between the East, and the North. See RHUMB and Point.

Norm West, is a Point or Rhumb in the middle between the North and West. See Wast, Se. Non THE North East, North East and by East, are Subdivision the Compass between the North and East. See Winn.

NORTHERN Signs, are those fix on the North fide of the stor. See Ston

NORTHERN Light, or Autora Bovealls, fee Aurora Bo REALIS.

NORTHERN Spell or Exposure, fee Exposure.

Northerns, in Navigation, the difference of Latitude a
Ship makes in failing towards the North Pole. See Salling. ATITUDE, &c.

NOSE, the external Orgao of Smelling; or that Part in en, rais'd in the middle of the Face. See Face.

Men, raid in the middle of the Face. See Face.
The hole is deally divided by Anatomitic and external and strenal; a divideo of very little fervice.

and strenal; a divideo of very little fervice.
In the strength of the str

The Teguments of the Nose are common to the rest of e Face. Under these appear the Muscles of the Nose,

which are three Pair, vio. the Elecutores Ale Nafi, ferring to pull the Ale upwards, and turn them outwards; the Dalaierer Ale Nijf, which draw them from each other, and widen the external Apertures of the Noffitles and the Con-frontiers Ale Nijf, which draw then downwards once each other; and at the Line time the upper Lip also downwards. See each Majfel deferribed under its proper head, Extra-

See each Mulcle deferibled under its proper head, ELEVA-TORE Ale Mafi, Ele.

The Frame of the Nofe is chiefly fupported by two Bones, which cod in Cartilages, of a triangular Figure 3 and are divided in the middle by a third, call'd Septem, into two

divided in the middle by a thrue, care of press, more than Partitions, cally the Nares, or Neyl's.

This Straw likewife ends in a Carrilage; I by means of which Carrilage, the lower part of the Ne's is reduct'd moveable, which the upper, being pericly officors, is not, read to the carried of the Advantage of the Advantage of the Advantage which loofs Connection renders them moreable, which both Connection renders them moreable.

The Carrilage of the Advantage of the Parties, or Community.

which look Connecion renders then more table. The Bosco of the Nyi are either Propy, or Commun. The first of the Propy, are then we central ones that conflictive first of the Propy, are the two central ones that conflictive first of the Propy and the Propy of the the installe, the covaces the right Notiful from the test s the its Position is feldom perpendicular. It is capp'd with another thin Bone, from its Figure call'd Fower Actari, and is join'd to the fourth Bone of the apper Jaw, and to the Offa Palati. Sec SEPTUM

Flatin. See Serven.
The other proper Bones are the Terbiness, or Spanjula, we of which are slightly board in each Noffell, foractimes are then, if to placed as or heliter the Perfect when the contract the contract the property of the prop merous. See Sponglosa.

mercus. See Spous 1838.
The common Bossos of the Mofe are fach as make Percus for the Firstanian Nations, and help to compose the Parts adjocan. The Integral of thesis is the fourth Bose of the Adjocan. The Appell of thesis is the fourth Bose of the Apple of the See Spous 1850.
The See Mossos of the Apple of the See Spous 1850.
The See Mossos with the Spous and Offs national See Javanian. See Javanian See pose the Foramina Befide the Cavities circumferibed by the Bones now men-

tioned, the Foramina have feveral collateral Cavities that open tioned, the Normanian have leveral columnate the vision that open into them: "The largeft is that call'd Arman Genes by Dr. Highware, Antenn maralle faperioris, framed in the fourth Bone of the upper Jaw, near two Inches long, and an Inch broad at the Dony Parts of which, with the Sphenoides, make the Toware Incommentaries. In longer Sunday. the Forauen laceron externor. Its lower Surface makes a thin Covering to all the Roots of the Molares, and Canini; which frequently upon drawing a Tooth, to which it flicks, is taken along with it, whereby this Cavity is open'd into the Mouth.

All these Cavities of the Nose and Cheek, as also the Offa turbinata, Sepsium, Sc. are invested with a Membrane familified with large Arteries from the Caronides; and Veins, which empty themselves into the Jugulars; and Nerves, from the fifth Pair, as well as the Olfadory Nerves. In this Membrane are a great number of small Glands.

placed very near each other, from whence flows all that Pitnita, commonly discharg'd at the Nostrils.

By means of this blacus or Finite is the Membrane kept fort, and defended from the Injuries of extraneous Bodies, elepcially those of the Air, which must pass this way in Inspiration when the Mouth is shut. See Mucus.

By this means, the Olfactory Nerves, here diffuled, are render'd capable of the Perception of odoriferous Effluvia; which the dryness of the Part would be apt to destroy. See

SMELLING.

Reddes this afe of the Nofe, which is the principal, Name has made is, as it were, a Diversimizer to the Eyest Name has made is, as it were, a Diversimizer to the Eyest Complete in the Note of the No

diforder; as in the Exylops, and Fiftala Lacrymalis. See FISTULA, &C. The Discases to which the Nose is subject, are a Coryo Ozens, Polypus, Surcoma, and Noll me tangere, befide Succesing, and a lofs of Smelling. See each in its Place.

Amil. Farer in his 24 Book, mentions an Italian Chipugeo, who had the Art of reflecting left Niyle, or making them come again sifter they were cut off. Ili Merhod was to make an Aperature in his Patient's Arm, and there to reagrif the mutilited 40%; the Arm being bound up for a graft the mutilited 40%; the Arm being bound up for a with the 18 bound of the common that the state of the 18 being bound up for a with the 18 being bound to 18 being bound to the 18 being boun heal'd the Wounds at leifure.

This Operation we fee burlefqu'd in Huddras: So Jeanned

Taliacorius, &c. and also in the Alla Eruditorum Lipfii,

Anno M.DC.LXXXII.

ASSEM MINICARNALL PROPERTY OF THE PROPERTY OF

blance between the various Organs of Senie, enough to give ground to the Opinion, that they only differ as more or less delicate; for which reason we don't absolutely re-

gicf the Inflance given by Grinaldi, of a Man who could diffing lift Colours by his feeling.

The Nerves, whose Texture and Conflitation, for any The Nerves, whose Lexive and Conflictions, for any thing we know, is the fame throughout the whole Body, are confeffedly the Vehicles of all Senfations from without; and those are all deposited to the fame Senfey, whether they be brought from the Eye, the Ear, the Noc. Sc. and that fingular Appearant, observable in each Organ, seems rather intended for the Line Ift, than the Life of that Senie; rather to flop and derain the transient Eiflavia, to collect them where too feanty, disperfe them where too copious, foften them where too rude, and break their force copions, forten mem water on the properties them where too violent, and by this means to proportion them to the feveral deprees of Finences, Tention, &c. of the Nerves of the respective Organs, in order to render the Senfations adequate to the ends; than to produce them, SECSENSATION.

In Tarrary, the greatest Benuties are those who have the least Nofes. Rulesque mentions the Wife of the Great Cingbis-can, the Mother of Tamerlane, as a celebrated Beauty,

Cinghis-am, the Notner or Hambriane, as a celebrated Beauty, because the had only two Holes for a Nogle. In most other Countreys, China excepted, great Nogle are in honour. The Orisi Tenars treat the Nogle of their Children while young, as thinking it a great piece of Folly to have their Nogle than before their Eyes.

NOSCLOGY, a Discourse, or Treasiste, of Discusse. See

DISEASE.
The Word is compounded of vocas, Mulady, Difease, and

NOSCOMUMA, an Hofstan, or Inferenzy, for the NOSCOMUMA, an Hofstan, or Inferenzy, for the Reception of the Diffusified. See However, Inc., Lanza, Efe., NOSTRILS, Nave, the two Apertures or Cavities of the Nie, thro's which the Air patits, and which fere to convey Odean, and or earry of the Plans feparated in the Saust of the Baif of the Cassimi. See Nosz.

The Naphrils we queezed by a Cartilage, and lined with a very some of the Night of the N Hence

the Mouth, is very convenient; as the judging of the Smells of Meats and Drinks, is a great part of their Office: he adds, that their creft Polition argues the Creadds, that their creek Polition argues the Crea-in regard all Odones rife from below uptor's Wildom,

wards. See Opour.

NOT Guilty, fee Non of Culpabilis.

NOTARICON, the third Part, or Species of the Jewish Cabbala. See CABBALA.

Cabbila. See Carrata.

Rabbi Nathen; in his great Arach, fays, that Notaricon is when a fingle Letter is taken for the Sign of a Thing, i.e. for a whole Name. He adds, that the Word comes from the Latten Notarion, a Perfon who writes in Netes, or Short-Hand. R. Elias Levina gives the fame Account in his Telediere, except that in lieu of one Letter for a Word, he mentions two or three.

But after all, neither the one nor the other is alone fufficient: For as a fingle Letter frequently makes a Word; fo in Notariess, a whole Word formerimes stands for a fingle

Letter.

Letter. There are therefore two principal Kinds of Natarisan: The first is, when by Aphrevils, or Aphraps, the first or half the first principal of the Aphrevils, the first or half the first principal of th

The first of these Kinds, which the Rabbins call Rasche Thebech, appears very ancient , and is supposed by some, well verfed in the Hebrew, to have took us Origin from the Platous, and other Places of Scripture, proceeding alphabe-tically, i. c. the first Verse beginning with S, the first Let-ter of the Alphaber; the focond with D, the second Letter, See an Instance of this first Kind of Notariron under the Hoad MACHABEE.

the Hoad Macharez.

The fecond Kind is also very common, and call'd Sopte
Theleast, i.e. the End of Words. For inflance, by telling
the last Letters of the Words. '7712 102 TC, Mais goodness
rowers of, Desthers? they find the Name of God Tebesub.
This is till inore paerile, when they take the Letters back-

"The third Kind is more modern, more grofs, and per-plexed. Here a Letter gives a whole Word, instead of a Word's only giving a Letter; so that a Word shall surnish a whole Phraic.

Thus, for an example; in the first Word of Genesis,

Thus, for an example; in the first Word of Genefit, TWNT2, In the Beginning, is found be created the Heaven and the Earth, the Sea, the Abyli, Sec. NOTARY, a Serbe, or Surveyer; or one who takes Nater, and short Draughts of Contracts, or other Instru-ments. See Novz.

NOTARY, Notarius, among the Ramans, was a Name common to all who wrete under the Direction of others, or who received, and kept Sentences, and Contracts.

who received, and keep Sentences, and Contracts.
From the agth Novel of Tapinism, it appears, that Contracts were first wrote in Notes, or Abbreviations, by the Natarica or Clerks of the Tabellioners, and were not yet obligatory. Afterwards they were wrote at length by the Tabellion himself, then figo d and feeld. See TABELLIO.

NOTARY, is particularly used for an Officer, who draws, and keeps Nores and Minutes of Contracts, Obligations, and other instruments, passed before him, and delivers out authentic Copies, &'e. thereof.

Ragueau dillinguifhes between Natarii, Nataries and Tabel-

Isoner: Notaries, he fays, in feveral Cities, are only to receive and pais the Minutes of Contracts, and to deliver them to the Parties in brief; being obliged to carry them to the Talellones to be kept, and to have engroffed Copies deli-vered out to the Parties.

vered out to the Barties.

He adds, that the Nouries were antiently Clerks of the
Talestowns 5 and that feparating, by degrees, from their MaTalestowns 5 and that feparating, by degrees, from their Matalestown 6 and 6

Legal Capacity. The Notories of the Chareles are called the King's Counfellors, and Nute-Keepers.

Those among us, are called Notaries Public; and have the drawing, pating, keeping, isfuing, &c. of all the Deeds, Contracts, Clarter parties, &c. in the Mercantile World. In their Books are also register'd Protests, Remonstrances.

Es.

In the first Ages of the Church, there were Ecolofiglical
In the first Ages of the Church, there were Ecolofiglical
Natures, whose Office was to celled and preserve the Ads
of the Marryss. They were supposed to have been first instituted by St. Church. Their Number was feven, and they
were displaced in the Ivero Quarters or Regions of Rose.
Tope Zakim, judging the Short-band of the Naturier too
belower for common Use, saided Even Sub-locates to 'em,

obleace for common the, some seven out-necess to cen, to transcribe at length what the Neurier drew in flow.

At length these Names were laid side, and two other Rinds ettablished in their stread, vis. Application Neurier, and Epyloppial Neuriers, whose Basiness ites in Spiritual and Beiciary Introments.

NOTATION, is Arithmetic, the Art of Characterizing Numbers, or of defigning them by proper Figures. See CHARACTER.

CHARACYER.

The Choice of Arithmetical Characters is arbitrary:
Hence, in various Nations, they are various. But perhaps
there are none for commodous as those commonly used in
Europe, usually fail to have been invented by the Aritist
and thence call Arobic Characters; the Dr. Waitin observes,
that Alspead, an Arab, refers the lawonton to the Induses.
See Namerical Characters.

See Nameral Character.

The Greek, Heleeus, and other Eaftern Nations, as also the Romans, expected Numbers by the Letters of their common Alphabet. See Literal Character.

Notation, in Algebra, is the representing of Quantities by Letters of the Alphabet 3 or calling thom by those

tice by Letters of the Atphabet's or calling rnom by those Names. See Quantity, Graracter, Sc. NOTE, Materne, Mother's Spots, See Navus. NOTE, Nosa, a Mark made in a Book or Writing, where there occurs something remarkable, and worthy of particu-

lar Novice.

Novr, is also used for an Observation, or Explication of some Passage in an Author, added in the Margin, at the bottom of the Page, or elfewhere, by an Editor.

In this fenfe; Nose stands contra-distinguished to Text. See Taxy. The Nees make the principal Differences in the Editions of Claffic, &c. Authors. We have Virgil, Horace, Terence; &c. with Ruent's Nues, the Dauphin's Notes, Da-

rence; Ge. With Reserts Rete; the Daspoint's Note, the circ's Notes, Bentley's Notes, Hard's Notes; with Notes the risysm, Esc. See Variorum. Notes is also a minete, or their Writing, containing some Article of Basnets. In this sense we say, a Promission Note, a Note with band, a Bank Note, See. See Promission, BANK, &c.

BANN, 25..

To Nice a Bill, is when a Public Notary goes to be a Wimels, or take notice that a Microkant will not accept or payir. See Brita.

Note of a first, is Brief of a Fine made by the Chiregrapher, before it be legarded. See First and Chira-GRAPHER.

None is also used for a Character, or Abbreviature, forving to denote, or express something in a little com-Sec CHARACTER, SYMBOL, ABEREVIATURE, and No-TATION.

The antient Notaries wrote all in Notes, or Short hand; whence they were fornetimes denominated Curfores, Quea notes Carfow verba expedicions. See NOTARY. Norse in Music, are Characters which mark the Tones,

i. c. the Elevations, and Fallings of the Voice; and the fwifenefs, or flownefs of its Motions. See Sound.

In the general, under Nites are comprehended all the Signs, or Characters used in Music, for the making Harmony

Bur, in Propriety, the Word only implies the Marks

which denote the degree of Gravity, or Acuteness, to be given each Sound. See Gravity.

The Greeks used the common Letters of their Alphabet The Orean land the Common Letters were needed than they had Letters, the defect was supply'd by the different Situation of the Letters, vie. by placing of them upright, inverted, &c. and by cutting off, or doubling

e Strokes Thus the fame Letter Pi, express'd different Notes in all

the following forms, II, II, II, II, II, II. For every feveral Mode they had 18 Signs. several Mode they nad 18 Signs. Now, diffusing gives us Signs for 15 different Modes, which with the differences of the Genera, and the diffusition between Voice and Instrument, Mr. Modew of befreven, makes in all 1610 Merc. Nor that they had fo many diffined Characters in the fairne Character has different Significations, on different Occasions. Thus a in the District Count is a Country of the Jacobs Modes and Modes and Management of the Jacobs Modes and Management Modes and Management for the Jacobs Modes and Management Management Modes and Management M

Lycanes Hypaton of the Lydian Mode; and Hypatemerfon of Lycanes represent a property of the Forgian.

The Latint, in the time of Bottbirs, had cafed themfelves of fo needlefs a Burthen 5 and only ufed the first 13 Letters of their Alphabet for Notes. Thefe, Pope Gregory confidering that the Octave was the fame in effect with the confidering that the Octave was the fame in the upper and

the first, and that the order was the fame in errect with lower Octave of the Gamut, reduced to feven; which were to be repeated in a different Character.

A tlength, in the 11th Century, a Fenedelline, one Golds Arten, in lies of the Letters, fabilitated the fine Syllables and, re, m, fa, fa, fa, basing them on different Lines, and marking them with Points. Lallly, it was thought proper to add Notes likewife in the Spaces. See GA-

MUT.

Of the feven mufical Nutes, st, re, mi, fts, fol, la, ft, the firlt fix are aferibed to ∆reinte, who is faud to have invented them at Pumpofa in the Durchy of Ferrara. The feventh, vie. ft, was added, according to fome, by Vander Patten j according to others, by Le Maire. It ferres very good parpofes, in avoiding the difficulty of the Divisions remaining in Guido's Scale.

Indeed Foffiss won't allow Guido the Honour of inventing Indeed Pagina won tailow tailow the Economic of inventing any of them; but flowes that the Egyperans had field them long before him; in which he is confirmed by the Tellimony of Hallacaraffen: However, common Fame aferibes to him not only the Notes, but also the Lines, Letters, or Clefs, Flats, and Sharps.

The Notes at, re, mi, &c. he is faid to have taken from a Hymn in the Velpers of S. J. Baptill, Ut queant laxis re-fonare fibris, Se. See Musse.

Johnse Jinns, Eds. Dec Music.

Hitherto the Notes only ferved to express the Degrees of Tune; they were all of equal value as so time; till about the Year 1350, 16th de Mesrs, a DeCtor of Paris, gave different Pienges to the different Piens, to express the Quantity of Time each was to be dwelt upon.

Quantity of Time each was to be dwelt upon.
There are three things to be considered in chefe Notes.

1. The Quantity, i.e. the fire and figure of the head,
x. The Quality, i.e. the Colour off the head, whether it be
white or black, full or open.

3. The Properties, as the
haliant experts themfolders, sinc, whether the Note is accompanied with a Virgula, or Comma, or not. It must
likewise be considered whether the Nitro be feparase and diffinct, or bound together.

The feveral mufical Notes, are, the Large, which con-tains 3 Meafures, the Merfennas makes it 11. (fee its Figure under CHARACTER;) the Long, containing 4 Meafares; under CHARACTER 3) the Long, containing 4 Meatures, 5 the Breet, containing 5; the Senderce, containing 1; the Minor 5; the Country 5; the Quarter 5; the Sensique 2; and the Deniglemapare 7; Ufuelly we only dittinguish fix principal Notes, repre-ferred by a rown different Character, with the Senderce

fented by as many different Characters, wis. the Semilerne; equal to two Minims; the Menon, equal to two Grochets; the Coches, equal to two Quavers; the Queee, equal to

two Demiquavers; and the Sewiganter, equal to two Demi-femiquavers. See each under its proper Article, SEMIcomquavers. See each under its proper Article, SEMI-BARTY, MINIS, Caccinity, Efs.

The Mathematicians compute, that one may make 7.0.

Changes, or Varieties with fix Nates, without ever repeating the farm rwice; and that of the Nates of each Odlave, one

may make 40320 different Tunes, or Songs. See CHANGE.

may make 40320 distorest I anes, or Songle. See Linkway, COMBINATION, 584.

NOTHING, Nibil, Nibilson, or Non Em, fee Nietz.

The Schoolmen diffingatift between Nothing taken firitify, which is what is impossible, or implies a Contradiction i and Nothing taken more generally; which is both possible, and impossible while in a State of possibility. See

OSSIBLE. Again, they diffinguish Nothing into Negative, which is the absence of Reality in any Subject; and Printers, which is the absence of Reality in a Subject capable thereof, or

wherein it ought to be found.

NOTHUS, a Lain Term, properly figoifying Balland, or a Perfon of Iparious Birth. See Basyann. Hence it a apply d figuratively by Physicians, &c. to fach Diffense as tho, is respect of a Similtude of Symptoms. &c. to the baye the fame Denomination as some others;

yet are of different Origin, Seat, or the like, from the Normus, is fometimes also used for the back part of the

NOTHÆ Cofe, in Anatomy, the five lowest Ribs on each fide; call'd Bathard, or Spurious Ribs, in regard they don't join with the Breatl-Bone as the other Ribs do, nor are they, as the others are, beny, but cartilaginous. See RIES.

NOTION, in Logic, an Idea, or Representation of any thing, in the Mind. See IDEA. M. Leibutto is very accurate in the Diffinction of Nations,

in the Alla Erada. Lepl. Anno 1684.

A clear Nor10N, he defines to he fuch a one as fuffices us to recollect the Object; v.gr. that a given Figure is

we to reconcer the Object; n.gr. that a given Figure is reakend in the number of Triangles.

An object Norrion, is that which doth not fuffice to re-collect the Object; such, n.gr. is that of a Plant, which you region freing, you are in doubt whether or not be the fame you had feen elfewhere, and which is call'd by this or that Name.

Diffind Norson is that wherein you are able to affigue the very Marks, or Characters by which you recollect the thing ; v. gr. That a Circle is a Figure terminated with a curve Line returning into itfelf, the feveral Points whereof are equally diffant from one and the fame intermediate Point.

A confisfed NOTION is that wherein you are not able to affign the Marks or Characters whereby you recollect the Object; the it be refolvable into them. Such, v. gr. is the Notion of red Coleur.

An adequate Norion, that wherein you have diffind No-tions of the Marks or Characters whereof it is composed a fuch, v.gr. is the Notion of a Circle above instanced, where you have diffined Notions of the Curve returning into itself, of the intermediate Point, and of the equal Diffance and Termination.

An imadequate Novion, that wherein you have only a nfufed Notion of Characters that enter a diffinet one. Some confused Notions are admitted into Mathematics; viz. fuch whose resolution is of no great Consequence to

any Demonstrations.

Thus, English does not refolve the Notion of Equalities. the it enter the Notion of an equilateral Triangle, a Rhom-bus, Sc. inafmuch as the Propositions for whose Demonstrabus, F.c. inafmuch as the Propositions for whose Demonstra-tion is fincal be used, are easily granted without such a detail s as, o.gr. that things equal to the finne third, are equal to one another, E.c. But no Novins are admitted into the Number of Mathematical Definitions, except dillined ones, and those too as adequate as possible, or as occasion requires. See Definition

requires. See DEFINITION.
The Schoolmen diffinguish Nations into formal, and electives, and each of these they subdivide into first, and se-

A first formal Notion, is the Knowledge we have of any thing according to what it is, or has in itself; as the Know-ledge of Fire, quartesus Fire; of a light Body, quarenus

A first elyidire Norson, is the thing infelf known, acr to Repentance those who had fallen off in times of Per-Fire, Sig. Second formal Notion, is the Knowledge of a thing ac-

Second formal NOTION, is the Knowledge of a tining ac-cording to what it receives from the Understanding; as, of Fire, that it is the Subject; and not the Predicate. Second objetive NOTION, is what agrees to the thing by means of the Operation of the Intellect, or what it receives

from the intellect. from the Intellect.

Common Nortons, call'd also Premainin, mysic-jen, and

some stream, are certain Principles supposed to be innate,
and which therefore are fell-evidene, i.e. appear, or are
known by their own Light, without the Intervention of any
Medium, or Proof; being imperfed, as it were, by the
Finger of God's to ferve as the Pounciations of all our Com
clustions in the Science, which are to be demonstrated

hereby. See Innate IDEA. These common Notions, consider'd as the Foundations of

Their common Nations, confidered as the Foundations of Sciences, are called Assisson. See Axxons.

They are called semons, not as if to actually and excellinily perceived by every Perfon, that no body could be ignoranted, or deny them; but because they are judged to be true, and certain by all Perfons of found Reation. For the fame Reason sawe fair, or see Jacobs subblemes; or that it is so to all Men, but to all that are of a found

Body, and Conflitution. Artifier. Topic. C. 4. There are two kinds of common Notions, viz. Theoretical. which lay the Ground-works for Speculation; fuch are, Every thing either is, or is not; nothing can be made by Deery timing either is, or is not is not not gean to misse be titled; it who bole is greater than a part; equal things being added to equal, the Sums are equal: And Pradlind, which lay the Foundation for Honeity, and good Morals; fuch are, Ged is to be loved and worshipped; our Patrick and the sum of the su

rents to be honoured; to give every body their due; to do

rents to be beneared; to give every bony their one; to one as we would be done by.—

Some Philosophers, however, and holes of beft Nove, deny the Reality of any longe, or demons Nations; a arging, that the Mind does not need any actual Nations to prepare that the mind does not need any actual weaver to prepare it to think, but that an innate Faculty of Thinking may fuffice; as appears in an lofant, from its perception of Pain, Tafte, Colour, Ge. They add, that the common Organs of Senfe, if they have but Objects preferred to them, and the Faculty we have of reflecting on, and variance of the property of the proper onfly combining or ordering the Ideas received thereby, are fufficient to furnish us with all the Stock of Knowledge we have. See Knowlands.

have. See KNOWLEDGE.
NOTITIA, NOTICE, a Term used for fomething that has come under the Knowledge of a Person. Hence Notification, the Action of giving Notice, Edg.
NotITIA is alsouled as the Title of certain Books com-

poled for giving a particular Knowledge of the Places, Roads, Se. of a Province or Kingdom, Diocese, Sc. as ap-

pears by the Nesitia Imperis, &c.
M. Valois has given a Nositia Galliarum, which is a Col-lection of the feveral Names the Cities and Provinces of

that Kingdom have bore at different tim The Nestric Dignitation Imperii, both Eastern and Wef-rn, are of the utmost use both in the Ressan and in Ec-

tern, are of the union the both at the Association and in Lechathical Hillory; yet are they of little Service, at least to young People, without good Notres; fuch are those of Panterolais, &C. And unlefts the Text, which is istrangely corrupted and mutilated, be supplied.

NOTORIOUS, formething known, manifest, and

publick. Hence Ars Notoria, a Chimerical Science or Art, whereby

it is pretended a Perfon may arrive at the Knowledge of all Things, all Sciences, &c. And that by Infusion, with-out any Labour, or Trouble, beside that of making a w Ceremonics. NOTRE Dame, Our Lady, a Term frequently used for

the Holy Virgin.

Hence Feaits of Notre Dame; the Office of Notre Dame;
Congregations, Numerics, Orders of Notre Dame. See

NOVALE, in our antient Coftoms, Land newly plowed, and converted into Tillage; and which had not been till'd within the Memory of Man, before.

within the memory of man, before.

— Quest Novale femel fixin, femper erit Novale quond decimarum recentionem eel folisionem. What was once Novale, will ever remain fo, as to the paying, or non-paying of Tythes, Thus, Excepts decima Novalium enigldam Terre

quam de novo excelutrant. Pat. 6 Edw. 3. See FRUTEC-TUM. NOVALE is fometimes also used for fallow Land, i. c.

Land which has been plowed for two Years, and reits, or lies fallow one more; or that lies fallow every other Year. See PALLOW NOVATIANS, a Sect of antient Heretics, fo called from Nosatas, an African Bifhop; and Neumian a Priest of

Notation first separated himself from the Communion of Pope Ornelius, on pretence of his being too easy in admitting

Nonatus coming to Ruse, join'd himfelf to the Paclion of Novation: and both maintain'd, That there was no other admittion into the Church bur by the Repentance in Bapauthorities are chartened by the repensance in ma-tifm; grounding their Opinion on that of St. Paul: "Its impefible for their orice cull, breved, and who have toffed the heavenly Gift, if they fall away, to retricue themselves by Re-

Fortance.

Not that they denied but a Person fallen into any Sin, how grievous succer, might obtain Pardon by Repentance; for they themselves recommended Repentance in the strongest Terms. But they Doctrine was, That the Church had it not in its power to receive Sinness into its Communication. nion; as having no way of remitting Sins but by Baptilin,

which, once received, could not be repeated.

In process of Time, the Nominaus softened and moderated the Rigour of their Master Doctrine; and only refused Abfolution to very great Sinners,

Abfoliation to very great Sinners.

The two Leaders were proferibed, and declared Heretics, not for excluding Peniteness from Communion; but for
denying that the Church had a Power of remitting Sins.

The Noosnans were also call'd Casborer, from seekely,

NOVATION, or Immeration, in the Civil Law, a change, or alteration of an Obligation, whereby it becomes extinguifined, or annihilated

Thus when an Obligation is discharged without re-ceiving any Money; but a simple Promite is accepted in its slead; this occasions a Novation. There are two kinds of Novamons; the one voluntary, the other necessary and constrained.

Northern Novation is that made in confequence of a Sentence, or Decree of Justice. Foliantary Novation is made three ways, was, by chan-ging the Caufe of the Obligation without the Intervention

of any other Person; by changing the nature of the Obligation; and by Delegation, as when the Debtor makea over a Debt to the Greditor for his Satisfaction. In all thefe Cafes there is a will to Innovate: Accor-

dingly ngly Injurian fays, Voluntate non Lege novandon. NOVEL, New ; fee Romance.

NOVEL, New 1 Tec ROMANCE.

NOVEL, in Jurifurndence, a Term used for the Confittutions of several Emperors, viz. Justim, Tiberus, Les,
and particularly Justim. See Constitution and LAW. Most of Jufinian's Novels were originally Greek; and afterwards, translated into Latin. Their Number 165, comprised in nine Collections, or Chapters. See CLVID

Lass.
They had their name Novel, either from their making a great Alteration in the Pace of the antiest Law; or, as Capia rather thinks, because made on new Cafes, nor yet consider d, and after the revital of the Code, compiled by

order of the Emperor.

order of the Emperor.

Wherever Merorijas speaks of Novels, he means those published in Greek by Sajimum; the Lasur Version of them made in the time of Rajavara, he calls Authentic, by reason of its Exactness and Edelity. See AUTHENTICA.

NOVEL Mymerst, in an Addino of Trefusis, is an Affigument of Time, Place, or such like, in a Declaration, more particularly than it was in the Writ-

Nover Diffessin, fee Assize of Novel Diffessin.

NOVEMBER, the eleventh Month in the Year; but no nioth in the Year of Remadus; whence its Name. See

NOVENDIAL, or Novembial, in Antiquity, a Sacrifice among the Research, held on occasion of any Prodigy's ap-pearing to menace them with ill Fortone. See Sacar-

It had its Name from the Term of its Colobration, viz.

Never det, Nine Days. NOVEMSILES, in Mythology, a Species of Gods wor-

NOVEMBILES, in Mythology, a Species of Gods wor-fnipped among the antient Romani.

The Dis Norconfiles, were the Gods of the Sobiner; adop-ted by Romalas, and a Temple built to them in confequence of a Vow by King Tailer. Some Antiquaries take the Name to have been given to

those which were last placed among the Number of the Gods; as Hercules, Velia, Santiny, Fortune, &c., NOVEMVIR, a Magistrate of Athens, in the Number of the Nine.

The Novembers were the chief Magistrates of the City: Their Office only held for one Year. Their Chief was call'd Archen, whose Name was recorded in the Arbenian Feafls; as, at Rome, that of the Confuls. See Ancison.
The fectord bere the Title of King, the third that of
Polemercha, i. c. Chief of the Troops, and the remaining

NOVICE, a Person not yet skill'd or experienced in an Art or Profession.

In the antient Roman Militia, Novicii, or Novitii, were

In the antient Roman Militis, Noweir, or Nowiri, were the young raw Soldiers, diffuguified by this Appellation from the Veterans. See VETERAN. In the antient Orders of Knighthood, there were Nowier, or Clerks in Arms, who went the a kind of Apprentischipe e'er they were admirted Knighthood.

NOVICE is particularly used in Monatheries for a Religious yet in bit, or her Year of Probation, and who has not

made the Vows. See Noviciats. In fome Convents the Subprior has the Direction of the In Nunnerics, the Novices wear a white Veil 5 the

reft a black one.

reft a brack one.

A Noviet is not effected dead in Law, but is capable of Inheriting till the time of actual Profession; nor can his Benefices be given away, during the Year of Probation, without his confent. The Council of Treat prohibits a Notice from affigning over his Benefices till two Months before the Expiration of his

Year of Probation 3 and he may even refume them if the Profession be null. A Nonce is not allow'd to make any Donation to his Su-

perior, by reason of the Dependance he is under.

Notice may either quit the Convent during their Nasiciate, or may be turn'd off by the Convent.

solidate, or may be turn'd off by the Convent.
MOVICIATE, a Year of Probation, appointed for the
Trial of Religious, whether or no they have a Vocation,
and the neceffary Qualities for living in the Role; the
Obfervation whereof they are to bind themselves to by See PROBATION

The Noviceste latis a Year at least 3 in fome Huafes more. "Tis effected the Bed of the Civil Death of a Nove, who expires to the World by Profession. See Vow and Pao-PEASION.

NOVICIATE is also used for the Houses, or Places where Newer are initracted.

In this fenfe, the Noviciate is frequently a Cloitler fepa-rated from the grand Dormitory. NOUN, Names, in Grammar, a Name, or a Word that exrefles the Subject spoke of; or expresses a Subject whereof

omething is, or may be, affirmed; as Man, I ond, Whiteneys, ienry, &c. See Word and Name. Alman, therefore, in Language, answers to an Idea in Henry, &c. Logic. See Inna.

The generality of Subjects fpoke of have particular

Names; yet there are others, which, without being attach'd to the fame particular Subject, are yet real Nonns. Thus, befide the particular Name, which each Perfor

bears, and whereby others denote him, he gives himfelf another when he fpeaks of himfelf; as I and My Self. "Tis only the more particular Names that in Grammar have retain'd the Quality of Noves; the more general ones are call'd Pronouns. See PRONOUN.

Noons, again, are to be view'd in another Light, viz. as

Newst, again, are to be view a in another Light, case, as divided into News Solifattiee, and Newst Adelfrice.

They are call'd Solifattics when the Objects they defiging acconsidered dimply, in themselves, and without any regard to their Qualities. See Substantium.

They are call'd Adelfrice when their Objects are confidered as clothed with any Qualities. See Add Returns.

Thus, when I fay fimply the Heart, the word Heart is call'd a Nam Sulfantine; inafmuch as it does not express call'd a Nome anytemere; instituted as it does not expects any of its Qualities: But if I say, the generate Heart, or the perfulness Heart, I then confider the Heart as accompanied with the Quality generate, or the Quality perfulnes. For this reason, the Words generate and perfulness are call'd Nomen Adoptines, because they add a Quality to the

Object. But in effect the Object is alone design'd by the Naura Substantives ; which in this view are alone the proper Noons. Adjeffines, at bottom, are only Modificatives of Noons; Adjeffret, at bottom, are only Modificatives of Nourz; a they don't for more view they may be confider? das Nours; yee, as they don't fo much repredent a Quality or Circumfiance of the Object, as the Object! risk; clothed with that Quality or Circumfiance. Nor must it be omitted, that a Nour Agieffret frequently becomes a Sublinative: For as its narror is to experts the Quality of an Object! fif that Quality happen to be the Object! field! flooke of, then, according to the control of the Confidence of the Confi

lin happen whe the Object first! finder of, then, according no out first! Destination, it becomes a Subblantive. And offer out of the object o

Genders.

Nouns are again divided into Proper and Appellative Noans Proper are those which express a particular Thing or Person, so as to diffinguish it from all other Things of the fame Kind, as Secrues. See Proper.

Nours Appellation, are those common to several individuals of the fame Kind, as Man, Angel, &c. See Appendix

LATIVE.

NOURISHMENT, fee NUTRITION.

NOURISHMENT, tee NUTRITION.

NOWED, Namé, i. e. Knoted, in Heraldry, is applied to the Tails of fuch Creatures as are very long, and fometimes reprefented in Cost-Armoor as if tied up in a Knot.

NUESCULA, finte Cush, in Medicine, a Term fometimes used for a Diffaste in the Eye, wherein Objects approach to Cloud on Milk.

pear as thro a Cloud, or Mift. The Nubresla feems to arife from certain grofs Particles detain'd in the Pores of the Cornes, or fwimming in the aqueous Humour, and thus intercepting the Rays of

Light. NURECULA is also used for a Matter, in form of a Cloud,

fulpended in the middle of the Urine. This they fometimes also call Cheerema. Sec URINE.

NUCHA, the hinder Part, or Nape of the Neck ; call'd alfo Cervin See CERVIX. NUCHTHEMERON, fee Day.

NUCIFEROUS, from Nox, a Nut, and fere, to bear ; Botanitis call all Trees thus, which bear Nuts. NUCKIAN & Glassiele, in Anatomy, a Number of fmall Glands fireate in that part of the Skull wherein the Orbits of the Eyes are, between the abducent Mufele of the Eye, and the upper part of the Os Jugale. See GLAND and CRANIUM.

were thus denominated from their Inventor Dr. Nack.

The fame Author gave his Name to a Salivary Duct, us Nickianus. Sec Salivary, &c. NUCLEUS, a Latin Word, literally denoting the Ker-

Part contained within the Skin of the Kernel. See FRUIT.

Boranitle use it in a larger sense, for any Fruit or Seed contained within a Husk or Shell-

Hereliss, and fome other Attronomers, use the Word Nuclear for the Body of a Comet, which others call its Head, in contradiffinction to its Tail, or Beard. See Comer. Some also apply the Term Nucleus to the Central-Parts of the Earth, and other Planers; as supposing them to be loose from the exterior Part, which they consider as a Cortex

NUCLEY, in Archicefure, is the middle Part of the Flooring of the Antients 5 confiling of Cement which they pot betwist a Lay, or Bed of Pebbles, cemented with Mortar made of Lime and Sand. or Shell. See MAGNETISM.

NUDE Contrast, Nusson Pattern, a bare Contract, or Promise of a Thing without any Confideration: Ex que, say the Lawyers, non witter action. See Contract and

COVENANT. Nune Morrer, fee MATTER. NUDITLES, in Painting, and Sculpture, those Parts of a human Figure not cover'd with any Drapery 5 or those Parts where the Carnations appear. See CARNATION, NUEL, or rather Newel of a Stair-Case, see Newel and

STAIR-C

NULLITY, the Quality of a thing sall, i. e. void, and of no effect; by reason of fomething contrary to Law, to Cuttom, or to Form.

There are two kinds of Natiries to invalidate a Contract.

There are two times or resulter to invalidate a contract,
Title, \$\mathcal{E}\_{\text{o}}\$ vis. \$\mathcal{e}\_{\text{align}}\$ and \$\mathcal{e}\_{\text{o}}\$ vis. The former where
the thing commences \$NoWing/s fails, as foon as the thing is
proved: In the latter, the \$AC\$ does not immediately
become \$NoW\_ing/s\$ but a handle is given thereby to have it intirely annulled or fetrafile. See \$De Facyo, \$\mathcal{E}\_{\text{o}}\$.

\*\*ATMMED \$\mathcal{E}\_{\text{o}}\$ is a visionaria; \$C(1, \mathcal{E}\_{\text{o}})\$ is visionaria; \$C(1, \mathcal{E}\_{\text{o}})\$ is a visionaria; \$C(1, \mathcal{E}\_{\text{o}})\$ is visionaria; \$C NUMBER, in Arithmetic, a Collection, or Affemblage of feveral Units. See Unit.

of feveral Units. See UNIT.
Seeinsuching to define Number to be that whereby the
Quantity of any thing is expredid. Agreeably to which
Sit I. Nursus conceives Number to confit, not in a Middle
Sit I. Nursus conceives Number to confit, not in a Middle
tade of Units, as Exciled defines it, but in the abilities! Ratio
of Computing stages that the conceive Openities stages that tude or Units, as Euclid defines it, but in the abfred Ratio of a Quantity of any kind to another Quantity of the fame kind which is accounted as Unity. And on this view he divides Number into three Kinds, viz. Integers, Fradious, and Surás. See each under its proper Article, INTEGER,

FRACTION, and SURD. Walfus defines Number to be formething which refers to nity as one right Line refers to another. Thus, affurning Unity as one right Line refers to another. Thus, affuming a right Line for Unity, a Number may likewife be expressed

by a right Line.

A lefs general Definition of Nowber, that Author thinks
won't comprehend the feweral kinds of whole Nowbers,
Fractions, Rationals, and Surfa.

The Schoolmen, keeping to Essiril's Definition, hold
Nowber to conflict of Watter and Form: The Matter is the
things pumber'd; e.g. Coins: The Irray, the Idea

whereby

whereby comparing the feveral Pieces, we bring them into one Sum, as cen: So that Number depends altogether on the Mind of the Person that number; whence changing the

Idea at pleafure, an hundred Men shall only be call'd one, or it shall be two, or four, &c. Hence, fay they, the Form of a Number, is not any thing added to the things \*motor'd'; for the Idea is a mere Mode of the Mind, not any thing superadded to the things. And

ce, the there may be fome Efficacy in Namber, confider'd with refpect to the Matter, as when we fay, A triple Rope is not easily looke; yet there is none in respect to Form: For what Alteration should my idea make? And hence he Folly of the Philosophy of Numbers. The fame Philosophers call Number a deferete Quantity:

Quantity, as it admits of more and less; and diferent, fince the feveral Units it confilts of are not united, but remain dittinet.

For the Manner of defigning, or charafterizing Numbers, fee NOTATION. For that of expressing or reading those already charafterized, for NUMERATION.

Mathematicians, confidering Number under a great many Circumfiances, different Relations, and Accidents, make

many Kinds of Numbers. Adetermmente NUMBER, is that refer'd to some given Unit; as a Temary, or three; which is what we properly

call a Number.

An indeterminate Number, that refer'd to Unity in the general; which is what we call Quantity. See Quan-TITY. Honogeneal NUMBERS, are those refer'd to the same

Unit. Heterogeneal Numbers, those refer'd to different ones. For every Number supposes some determinate Unit, which is determined by the Notion to which we have regard in Nowhering, E.gr. 'tis a dittinguishing Property of a Sphere, that the several Points of its Surface are equidition from its Centre: If then, this be laid down as a Note of Unity a all Bodies to which it agrees will have the nature of Unity and are the fame Units, quaterns contained under this No-tion. But if Spheres be dittinguified, e. gr. with regard to the Matter they are composed of a then those which before were the fame Units, commence different. Thus, fix golden Spheres and three golden Spheres are bemogeness Numbers among themselves; and three brass Spheres and four filver ones, are beterogenesus Numbers.

Whole NUMBERS, call'd also natural Numbers, and Inte Whele NVMARA, and a sile material Numbers, and inte-gers, or fimply Nombers, are all the various Affernblages of Unity, or the Ideas we have of feveral Multitudes; or, according to Walfars, all their which, in the manute of expreding, refer to Unity, as a Whole does to a Part. Invoker Numbers, or Fredient, are those conditing of fe-veral parts of Unity, or those which refer to Unity as a Part.

Whole. Sec FRACTION. to the

Rational NUMBER, is that commensurable with Unity-Rational whole Number, is that whereof Unity is an Algust part.— Rational broken Number, that equal to fome Algast part or parts of Unity.—Rational mist Number, that confitting of a whole Number and a broken one, or of Unity and a Fraction. See FRACTION. nienal Number, or Sard, a Number incommensurable

with Unity. Sec Sunp. Econ NUMBER, that which may be divided into two

equal parts, or without Remainder or Fraction; as 4, 6, 8, 10, 55. The Sum, as also the Difference, and the Fallam, or Produce of any Number of even Numbers, is always an

even Number. An even Number multiply'd by an even Number, produces an evenly even Number

An even Number is faid to be evenly even, when it may be meafur'd or divided without any Remainder by another coen Number.

Thus, twice four being eight, eight is an evenly even Number.

A Number is faid to be anevenly even, when it may be qually divided by an uneven Number; as 20, which may be divided by 5.

Uneven Number, that which exceeds an even Number at east by Unity; or which cannot be divided into two equal

Parts. Such are 5, 5, 9, 11, 55.

The Sum, or the Difference, of two uneven Numbers, makes an cota Number; but the Fallum of two makes an

If an even Number be added to an success one, or if the one be substracted from the other; in the former Case, the in the latter the Difference, is an aneven Number, Sum, in the latter the Difference, is an uneven Number, But the Fallow of an even and an uneven Number, is even. The Sum of any even Number of success Numbe

Numbers, is an uneven Number. itive or prime NUMBER, is that which is only dividible by Unity; 28, 5, 7, 11, &c.

NUM Prime NUMBERS mmon

Point NUMBERS tomore therefore, are those which have no common Medicine begins to draw as 1 as and 25.

Campand NUMBERS, it is that years 1 as and 25.

Campand NUMBERS, as 8, drivible by 4, and by 8.

Campand NUMBERS are supported by 4, and by 8.

Campand NUMBERS are supported by 4, and by 8.

Campand NUMBERS are supported by 4, and by 8.

Campand NUMBERS are supported by 4, and 5, and 4, and 5.

The depart was the supported by 8, and 8, a

Parts of 6, being 3, 2, and 1 = 6. And thuse of 28, being 14, 7, 4, 2, 1. which together make 28.

Imperfest Numbers, those whose aliquet Parts added to

gether, make either more or lefs than the Whole, whereof they are Parts Imperfell Numbers, are diffinguish'd into Adudant and

Abandans Numbers, are those whose aliques Parts added together, make more than the Number whereaf they are Parts; as 12, whose aliquet Parts, 6, 4, 3, 2, 1. make 16.

Defelire Numeras, are those whose aliquor Parts added together, make lefs than the Number whole Parts they are

together, make lets than the Number whole Parts they are; 21.6, whose adjust Parts, 8,4,5, and 1. only make 15. Plane Numses, that aring from the Multiplication of two Numbers; ex. pt. 6, which is the Product of 3 multiply d by e. The Numbers which thus multiply d produces. Plane Namber, as here, a and 6, are call'd the Sides of the Plane. Speare NUMBER, the Product of any Namber multiply'd by itself; thus 4, the Fallow of 2, by 2, is a fquare Number. C. SQUARE.

Every Square Number added to its Root, makes an even

Number, Calles Number, the Product of a figurar Number, multiply'd by its Root; ex.gr. 8, the Product of the figurar Number at Mill Duke Numbers, whose Koot is left than 6, ex.g. 8, a7,

64, 125, being divided by 6, the Remainder is their Root infelf. Thus 8 being divided by 6, 5, the Remainder of the Divition, is the Cube Root of 8. For the Cubic Name the Divition, is and Cube Root of 5. For and Cube Rouse berr beyond 1855 216, the Cube of 6, divided by 6, leaves no Remainder 5 245, the Cube of 7, leaves a Remainder 1, which added to 6, gives the Cube Root of 543. And 512, the Cube of 8, divided by 6, leaves a, which added to 6, makes the Cabe Root of 512. So that the Remain-ders of the Divisions of the Cubes above 216, divided by den of the Divitions of the Cohen above 21.6, wirded by c, being added to S, always give the Rone of the Cahe Number divided; till that Remainde to \$5, and of confe-quence 11 the Cahe Number divided by 6, there to—mains nothing, the Cohe Note being divided by 6, there to—mains nothing, the Cahe Rone being 7. a. Thus, if you continue to divide the ligher Cohen by 6, you must not said the Remainder of the Divideo no 6, but no 2, the first the Remainder of the Divideo no 6, but no 2, the first the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of the Divideo no 6, and the Cahe of 18, the Remainder of 18, the Re

12, but to 18: and thus in infinitum. Monf. de la Hire, from confidering this Property of the Number 6, with regard to Cubic Numbers, found that all o-

ther Numbers rais'd to any Power whatfoever, had each their Divifor, which had the fame effect with regard to Rule he has difcover'd, is this: If the Exponent of the Power of a Number be even, i. e. if that Power be pair'd Fower of a Nameer oc even, i.e. it that Fower be raised to the ad, 4th, 6th, 9c. Power, it must be divided by a 3 and the Remainder, if there be any, added to a, or to a Multiple of a, gives the Root of the Namber corresponding to its Power, i.e. the ad or 6th Root, \$\mathcal{E}\$e. But if the Exponent of the Power of the Number be uneven, i. e. if it be tais'd to the 3d, 5th, 7th, &c. Power, the Duple of that Exponent will be the Divifor which shall have the Property here requir'd.

Polygonous Numbers, the Sums of Arithmetical Progresfrom beginning with Unity. These, where the Difference of Terms is 1, are call'd Triangular Numbers; where 2,

of Terms is 1, are call'd Triangutar Namhers; where s, operare Nimbers; where s, Pernagonal Nombers is where e, Hexagonal Nimbers; where s, Hispagonal, Etc. See Porx on Pyramidal Nowabras. The Sums of Polygeons Nimbers, collected after the fame manner as the Polygeons themselves are gather'd out of Arithmetical Progressions, are call'd

first Pyramidal Numbers.

The Sums of the first Pyramidals, are call'd second Pyramidals. The Sums of the second Pyramidals, are call'd

In particular, they are call'd Triangular Pyramidal Num-bers, if they arife out of Triangular Numbers. First Pentago-nal Pyramidals, if they atife out of Pentagons, Ec. Soo PYRAMID

Cardinal NUMBERS, those which express the Quantity of

Cardreat NUMBERS, mote which express the Quantity of Units 2 at 1, at 1, and the chief which express the Order or Runk; as 11, at 3, ad; Cf. Golden Numbers the Alterion's at the end whereof, the former county of the Company of the Company of the fame Hour and Minesco et the Days. See Person and The Company of the Company of the Company of the fame Hour and Minesco et the Days. See Person and The Company of the the LUNATION.

Hence this Period, call'd by the Greeks Enneadeacteri not perfectly jult; there being a Procomposit, or Leap, at the end of each 312 Years, i. e. in that time, the Lunations fall out a Day footer than the Golden Number expresses them.

See PROEMPTOSIS.

See Procentification of the discountry of the di

This Number is faid to have had its Name, Golden, from he Greatness of its Ufe 3 or because the Abenians received it with so much Applause, that they had it wrote in the publish Market in Letters of Gold.

M. Caffini defines the Galden Number after a new manner

He fays, 'tis the Number of Years claps'd fince that which had the New Moon on its first Days, as that of the Year 1500, whose Golden Number was 05 which he takes for his Epocha. See Meyonic. NUMBER, in Grammar, is a Medification of Nours

NUMBER, in Grammar, is a Medification of Nours, Verba, Set. to commode the thru to Warteria in history (Objects, confiderd with regard to Ninder. See Nours, Set. Nours are Ninner agreement to ferrer Il Times, and properties of the Nourse of them; and those confidered as feveral, or as united. To difficiently thee Carles, was Nourier have been invested, the Grander and Pland. When a Nouri indices an Object considered as fungles, or a long, or a number of them confidered as fungles, or a long, or a number of them confidered as united together, in fail to be of the Grander Nouries as a Tree, a Twong Tree of the Carles to the Carles

Temple. See SINGULAR.
When it indicates feveral Objects, and those as diffinct,

When it indicates feveral Objects, and bode at difficed, it is of the Herbard Numbers as Trees, Templex. Thus when I feast, of mylicit, as which per of feveral others, The Corects have a shield pure of feveral others, as fracility as the Dead Number, as fracility as two the three cells the Dual Number, as fracility as two The Helbards have force-figurity a hing duals the tirtle by Names, as the Hands, the Dyes, E.C. or by Art, as Scalling, Tourit, C.C. as the Corect of the

and autherence of rounders in Nouns is expressed by a Difference of Termination or Ending.
In Empile, the Sugalar is usually converted into Planal, by adding 15 as Tree, Trees 3 Hand, Hands, &c. Where the Promanization requires it, as when the Sugalar ends it, or x, &c, or c, 'is usually done by the Addition of establishment of the sugalar ends in the sugalar ends in the sugalar ends in the promain of the sugalar ends in the promain of the sugalar ends in the su inflead of s. The Plurals of Adjectives, the vary'd from the Singu-

in most other Languages; yet in English are generally the fame. See VERE. NUMBERS, in Poetry, Oratory, Music, &s. are certain Measures, Proportions, or Cadences, which render an Air, Verse, or Period, agreeable to the Ear. See VERSE, MEA-

sunz, &c.

SURS, USA.

Petrical and Prefair Numbers, are formewhat different:
Petrical NUMBERS confift in a certain Harmony, in the Order, Quantities, USA, of the Feet and Syllables; which make the Piece mufical to the Ear, and fit it for Singing: for which all the Verles of the Amicians were incended. "Ya of thele Numbers Frayl Openka in his 1Vth Edogoe.

-Numeros memini si verba tenerem.

And again, in the Vith Eclorat:

Tum vers in Numerum Faunsfqs Ferafqs videres Ludere-

The Numbers are what conflittet the Air and Character of a Verfe; and denominate it smooth, or soft, or low, or reagh, or rapid, or senoress. The following Lines of Matter furnish an Instance of fost casy Numbers

> Then feed on Thoughts, which voluntary me Harmonion Numbers 3, as the tuneful Eird Sings darkling, and in shadest Covert bid, Tunes her Nistarnal Note:

How different from the Numbers of thefe :

Arms meet with Arms, Faucheons with Faucheons class, And Sparks of Fire, firnch out from Armour, flash, But when load Surges lash the founding Shore, The bearfe rough Verse Roadd like the Torrens rear.

Rhetorical or Proface Numbers, are a fort of fimple affected Harmony, less glaring than that of Verse; yet

fuch as is perceived, and affects the Mind with Pleafure. The Numbers are that by which the Style is faid to be enfy, free, round, fluwing, &c. See STYLE. free, round, flowing, &c. See Style.

A fine Initiance of Nambers we have in that Pattage of Tally

A fine Initiance of Namelers we have in that raising or issay for Marceles: Valle of tranta with analyse opin age own ferry ac wirds adultini francisja pogis. All the Beauty of which would be entirely lot to any tolerable Ear, if the Namelers were a little inverted, thus: Nath of the innan, & copin tanta que tun pogis deliberat francisja visita & ferry.

Numerer are a Thing abiolated procedury in all Writing.

and even all Speech. Hence Arificite, Tuly, Quintilian, Se. termixing Dailyli, Sponders, Anapelli, Iambus'i, Chraie and Diebsraie Molofius's, &c. in order to have the Numbers per-

The Substance of what they have done, is reducible to what follows: 1. The Style becomes numerous, by the alternace Difposition and Temperature of long and flort Syllables; fo, as that the Multitude of flort ones neither render it too hastly, nor that of long ones too flow and

Thus, Tuly to Cefar: Domnisti Gentes immanitate bayba-res; multitudire innumerabiles, locis infinitas, omni copiarum

res s multitudenc instituterables, teets in multi-genere absorbantes, Ed.

Sometimes, indeed, long or flort Syllables are defign-edly thrown together, without any fuch Mixture; to paint the Celerity or Slowness of a Thing by that of the Numbers; as,

Quadrupedante patrem fonitu quasit ungula campun Æncid, 1.8. Lustantes Ventos, Tempestatesqq Sonoras. Id. 1. r.

a. The The Style becomes numerous by the intermixing of Words of one, two, and more Syllables yes, r. Print 25 wout son a deposedous fed as confirmandous andelous. Whereas the too frequent reposition of Monofyllables rem ders the Style pitiful, and grating 3 e. gr. Hae in Re nos bio

non feret. 3. It contributes greatly to the numeroufness of a Period, 3. It contributes greatly to the numerous p(s) of a Period, to have it closed by magnificent and well founding Words; as, Qui leeu queets as transpulstrain plenificant fore violatestum, in commitme modelitatum, & surbulentifican tempessates ex-

titerans.

4. The Numbers depend not only on the nobleness of the Wordsin the Clofe, but of thefe in the whole tenor of the Period; a sin the fine Crusion of Geers for Fenting, Brother of one of the Veital Maids. Natse past, Judicet, was Devenous immerialmen, Vifice mairs, quistilanie Virginum Lausemationibus de Vifice Judicia commercia.

5. To have the Period flow cafily and equably, the harfh concurrence of Letters and Words is to be ifudioufly avoided, concurrence of Lecters and Words is to be trudically avoided, particularly the frequent meeting of rough Confoanats; as Art fluiderium, Res. Xexxer: The beginning the first Syliable of a Word with the latt of the preceding; as, Kenibi insige fune: The frequent repetition of the fame Letter with its manifest fune; as in that Verfe of Emnits, Africa terribili tremet berride terra tumultu: And the frequent afe of like-ending Words; as Ametrices, Adjutrices, Prefligiatrices

Laftly, The utmost Care is to be taken, left in aiming at Oratoral Numbers, you fall into Poetical ones 3 and inflead of Profe, write Verfe 3 which even Goero himself is sometimes guilty of; witness, Cum logarur santi flesus geminique

fictions. See Verses.

NUMERAL Letters, those Letters of the Alphabet, which are generally acid for Figures; as I, V, X, C, D.

Numeral Correlers. See Character.

NUMERAL So, in Grammar, are those Words which experts Nameers as Sx, Eight, Ten, Etc. See Ordinals. NUMERATION, in Arithmetic, the Art of valuing, pronouncing, or reading, any Number, or Series of Numbers.

See Number The Characters whereby Numbers are ordinarily ex-prefs'd, are the nine following ones, viz. 1, 2, 3, 4, 5,6,7,8,9. It being the Law of the common Numeration, that when you

I listing the Law of the common Namorator, that which you are arrived at two, who being sugh, and operat as before and yearperling the Number of Test.

By Cappelling the Number of Test.

Number

NOTATION, &C.

Note

Now, To express any written Number, or aften the proper Value to each Charatter; Divide the proposed Number by Comma's into Classes, allowing three Characters in each Comm's into Claffe, allowing three Characters in each Clafs beginning at the right-band. Over the right-band. Clafs beginning at the right-band Cyre the right-band Clafs beginning at the right band Figure of the fifth Clafs, add ware blatter at marker 6 Luca, your that of the Greath, three, £6. The Number to the left of the fifth Comma, acqueit by Thouloub; that which has over it the first band of the claff of the fifth Comma, acqueit by Thouloub; that which has over it the first band band of the claff of the fifth of t

E.gr. The following Numbers, 2", 125, 475", 613, 578', 434, 597, is thus expressed or read: Two Trillions, one hundred tweety Millions of Billions, four hundred tweety Millions, one for thought of the first three Billions, fix hundred thirteen Thousands of Millions, and five bundered fewery eight Millions, four bundred and thirty two thouland, five Hundred and ninety feven. NUMERATOR, in Arithmetic, a Term used in fpeak-ing of Fractions. It fignifies the Number that denotes the

ing of Fractions. It againsts the Pariso of the Integer, and is placed over the little Bar, which feparates it from the under Number, call'd the Denominator, which shows into how many Parts the Integer is divided. See DENOMINATOR.

See DEMOMINATOR.
Thus, v.g., v.g. expectes feven Tenths; where 7 is the Newcriter, and 10 the Denominator. See Francison. NUMERICAL, founching that relates to Number. Numerical Affects, it that which makes use of Numbers initiated of Letters of the Alphahet. See Alderna.

NUMERICAL Difference, is the difference whereby one Individual is diftinguished from another. See INDIVI-

Hence a thing is faid to be Numerically the Jame, idem Nu mero or namerice, when it is the fame in the drifted Senfe of the Word. See Unity and Insurity.

the Word. See Unity and Inentity.

Nomer, in Commerce, fix a Term prefixed to any Number of hings; marked, or abbreviated that, N<sup>1</sup> Norther of hings; marked, or abbreviated that, N<sup>2</sup> Norther of the payment, c.pr. of a Pound in a certain Number of Pacces, e.gr. as Stillings; in contradilitieshon to a Libra penja, or Found weighed out. See Found.

NUMISMATUGRAPHIA, a Great Term side for the Delippian and Knowledge of a stiller in Media and Coins,

Defeription and Knowledge of antenn measus and sooms, whether of Gold, Silver, or Beak. See Manna and Coix. Falesau Urfims, Angelime Bithop of Terracons, Ernzon a noble Tentam, and Sambases a Philo Gentleman, have all been facetaful in the Nousilmatzyrphin: Nor mult the more modern Authors on the fame Sulject the omitted; wise, the two Messadards's, Patins, Oparkense, Handson, Morel, Fall-lant, Johrs, Handley, Erger, and among outleves, Endys. NUMMUS, a Fiece of antient Roman Money; whereof there were two Kinds: the one Gold, the other Silver. Seo MONEY.

The Gold Nommer, call'd States and Aurent, weigh'd two Drachms, and was worth, according to Budens's Computation, about 161. Sterling.

The Silver Numerus was just the Ruman Denarius, which weigh'd one Drachm. See Coin.
The Jewish Numerus was their Shekel. See SHEKEL.

The Graylo Nameman was their Shekel. See SHEKEL.

NUN, Nounx, an old Word, animithy yield for a Female Religious; and fill retain'd in that fenfe in our
Language; and in other Languages, particularly the French's
but by way of Ridical and Burlefuge. See Religious.

Hence also Namery, a Mocastery of Fernale Religious. Sec MONASTERY.

The Word comes from Nanna, Nonnana, or Nonnanis; all Latin Terms, first used for Penitense, then for Reli-

Boost. Gerives it from Nousi, or Nome, which in Italien fignifies Granffinbers, or Grandmarbers. And adds, that it was applyd by way of Honous to the Woman, as that of Father to the Man, Religious. See Farwas, as that of NUNDINAL, a Nome which the Ramant gave to the eight first Letter of the Alphabet, used in their Calendar.

Sec LETTER. This Series of eight Letters, A, B, C, D, E, F, G, H, is placed and repeated fucceffively from the first to the last Day of the Year; one of these always express'd the Mar-ket-Days, or the Assemblies call'd Nundme, quast Nevendi-

RECLIANS, or the assemblies call'd Nordane, quali Nevendine, because they returned every nine Day.

The Country People, after working eight Days faceefively, came to Town the nitth, to fell their feveral Commodities, and to inform themselves of what related to Religion and Government

gion and Government.

Thus the Nandmai Day being under the Letter A, on the 1th, 1th, and 2th Days of January, &c. the Letter D will be the Nandmai Letter of the Year following.

These Nondmais bear a good deal of resemblance to the Dominical Letters; which return every eight Days, as the

tholic Prince or State; or a Perion who attends, on the Pope's behalf, at an Attembly of feveral Ambuffaders. See Enrasanca.

The Word Normis has the fame Import with Embasifiedor, but is retinied in its Ufer to the Embasifiedor of Popes a Tentined in its Ufer to the Embasifiedor of Popes a Tentined in its Ufer to the Embasifiedor of Popes a Tentined in Important in Important

whereof their common Father or Ancestor died feized in Fee Simple.

If the Ancestor died feized in Fee Tail, the Co-heir de-forced shall have a Formedon. See Formeron. NUPTIAL, fomething that relates to Martiage: See

NURSERY; in Gardening, is generally used in the fame fenfe as Sommary, viz. for a Seed-plot for the raising of young Trees, or Plants. See SEMINARY. Some Authors, however, make a difference between the

rwo; holding Narfery; properly, not to be a place wherein Plants are fown; but a place for the reception and rearing of young Plants, which are removed, or transplanted hither from the Seminary, &c.

Mr. Lauvence recommends the having feveral Nurferien for the feveral Kinds of Trees: One for tall Sumands 3 viz. Apples, Afnes, Elms, Limes, Oaks, Pears, Sycamores, Gr. Another for Discrift, siz. fuch as are intended for A-pricocks, Cherrier, Peaches, Plumbs, Gr. And a third for

priority, Giberries, reaction, risining, Ge. and a finite per-ferent. The Nayley for Standards flood doe in a rich, light Soil from, with the proper Seeds, in Otheber, or Niscouler. For Applie and Pears, Crab- and Wild-Pear Kernels, are to be preferred for Stocks: Elms and Lines are to be raifed from planted Suckers: Walnuts to be fown with the green Shell upon 'em, to preferve them from Mice. This Nur/e/y, if it he well managed and weeded for two Years, the Grabs and Pears will be fit for Grafting and Inoculating the third Year. See Orchard.

Firs and Pines are to be raifed from those little Seeds.

First and Pines are to be raifed from those little Seeds, taken out of their large Apples.

The Narfory for Doury's does best by itself, that it may not be over-top'd by taller Trees. Stones of Apricecks and Peaches are not proper to raife those Trees; but in lieu thereof, sow the Stones of the Pear-Plamb, Mostel or Both mon Moreness Plumb 5 which prove better and more lafting than the former. For Stocks for all forts of Cherrics, black Cherry-Stones do belt. See Stock.

Mr. Moriner directs all Stone Fruit to be fown quickly after garhering; for that if they be kept, they will be two Years e'er they come up. Add, that if they have not all the Moniture of the Winter to rot the Shells, the Kernel

the Monitate of the whiter to rot the Shells, the Kernel will fearce come up at all.

Te furnish the Noviery of Ever-Greens, the feveral forts of Seeds of Berries, as Yew, Holly, Juniper, &c. are to be pur in fo many diffined Pots or Boxes, with fine Monled over them, and thus buried for a year; after which, they

are to be taken out and fown.

If they were to be fown when gather'd like other Seeds;
they would not come up the first year, nor grow so kind-

ly.

NUSANCE, in Law, is used not only for a thing done
NUSANCE, in Law, is used not only for a thing done
to the annoyance of another in his Fee Lands or Tenements; but also the Aftine or Writ lying for the same,
The Writ of Nusance, de Necoments, is either simply de

Norments, or de puro Nicaments.

Manused thakes three Kinds of Nisfances in the Forest 3 the first, Common Nusance; the second, Special Nusance; the third, General Nofance.

Writs of No ances are now popularly term'd Trefpoffer, and Actions upon the Cafe. See TRESPASS, Se. The Word is derived from the French Nove, to hurt.

NUT, Nass, a fort of Fruit, inclosed in a hard Cortex Shell. See FRUIT.

or seen. See Fruit.

Of these we have divers Kinds; fmall Nuts, Filberds;
Chefinit, Walnuts, &c. See Fliesen and Nux.
NUTATION, in Aftroomy, a kind of Trepidation, or
tremulous Motion of the Axis of the Earth; whereby,
in each annual Revolution, it is twice inclined to the Eclipite; and so often return to its former Position. See

That the Moon has a like Mosion, is fluwn by Sir If.
Newton, in the first Book of his Principle; but he observes
withal, that this Motion must be very small; and scarce

whilat, that this Molton moit be very fmall; and feared fenfible. See Novious and Aris. NUTMEG, a kind of Aromatic Nut, or Spice, brought from the Eaft Indies; whereof there are two Kinds, Male and Female. See Spice.

The

even then, the Liquor thus given to the Embrid, is exceed-ingly thick, in comparison with what it is to be when con-The Female is that chiefly used among us; Its Form is round, its Smell agreeable, and its Tatte hot and punverted into its Veffels and Viferra

The Male is a wild Nut, of a longith Form, and without either Tafte or Smell; yet fometimes par off, while yet in the Pod, for the Female.

The Nutwegs are enclosed in three different Covers: The

The Namey are enclosed in hire different Corers. The first, thin, redshift, of an agreeable smell and aromatic Tatic, clifd Mare; by others, the improperly. Flower of the state Follows. The Shell, which makes the fecond Cover, is bard, thin, and blackish. Under this, is a green-life Him of no usel a nod in this flooning, which is properly the Kernel of the Fruit. Every Namey has a fine. Hole is in, which from generally take for a De-time for our which the form of the state of the s

The best Natures are those guther'd in April. They must be chosen heavy, of a whitish brown Colour, well marbied without fide, reddish within, baving a fat unctuous Hu-mour, and an agreeable Smell.

As to the Mace, it must be chosen in large Leaves of a high Colour, like the Nature; in Taste and Smell. See Macra. Nature; comfitted green, are excellent to fortist the Sto-mach, and reflore the outural Hest. They are particularly efteem'd Carminative. The Powder, Duke, efteem'd a Se vereign against Rheums, is only Natwey pulverized with Sugar, and a little Cinnamon.

Naturegs, by Diffillation, or Expression, yield an Oil, faid to have wonderful Virtues-

The whole Commerce of Natmers is in the hands of the

The whole Commerce of Nations 3 in the manager is in the manager in the probability of the Nationary The Nationary Tree is propagated after a particular manner. Therein relating the Nationary the Nationary of the Nationary of the Nationary of the County of the County of the County of the Nationary of the Nation

or Apposition of new Parts in the Body, fimilar to those it already confisted of; either for its Augmentation, or for the Reparation of such as are wore off.

By the continual Motion of the Fluids in the minute Veffels of the Body, and the Actions of the Mufeles, &c. Imall Parcels are of necessity were off from the Solids, become mix'd with the Fluids, move with them, and are at length eliminated and exhaled thro' the Pores. See Pore

and Solin.

And at the fame time, the Fluids, diminish'd as they are by a constant Attrition, apply to the Orifices of the per-fpiring Vessels, and vanish out of the Body. See Prassi-

Hence the Animal Body, by the very Condition of its Frame, becomes foon liable to Deftruction-

To preferve Life, therefore, 'tis necessary that a Resti-tution be made to the Juices and Solids of the Body; e-qual, and similar to those lost in those Motions; which is

hat we call the Action of Narri what we call the Action of Natrition.

Now the loft Juices are casily (apply) d by Meat, Drink,
Air, 45c, taken into the Stomach, digetted, converted into
Chyle, then into Blood, and thence (recreed by the proper
Dacks, and carry'd by the Action of the Body, to the proper
Receptacles; after the manner laid down under the Articles

DIGESTION, CHYLIFICATION, SANGUIFICATION, and SECRETION.

But the Natrition of the folid Parts is much more ob-

foure. This indeed has proved the Subject of infinite Doubts and Differences among Authors; nor had we any rational or fatisfactory Account of the fame, till that of the accurate Beerhame, whose Doctrine is as follows. Every folid Part of the Body confists of other lefter ones

Exery folid Pario of the Body confils of other lefter ones, and regirched late the larger's Verfeles, e.g., of Vedeles, and regirched late the larger's Verfeles, e.g., of Vedeles, which structure goes beyond all Limits of Sendis, however affilted by Arts; a supporte by the Experiments and Observations of Mulphigh, drysis, Levensheed, and Hook. Yet infinite, as three of Foods and Juices incition frould be infinite, as three foods and Juices incition frould be infinite, as three foods and Juices incition frould be infinite, as three foods and Juices to left Foods and Juices.

Again, it appears from Microfooper, Injections, froull be only the food of the Body words, Difficiencies, Eff. that the fold Farts of the Body words.

Woords, Sefections, Efe. that the foold Parts of the Body are very finall, companed with the Fluids, and it is almost demonstrated from considering the Rife, and Generation, the Body of the Rife of the Rife of the Rife of the into their finalle conditionen ones, that all the follow Maria in the Body is continued of mere Nerres, as in Ele-ments. See Nerre, Towarts, Generation of the Rife of the second of the Rife of the Rife of the Rife of the Rife of the closed years of the Rife of the Rife of the Rife of the Internal Collisponens, much like the nerron Jusic Hoff is a is abundantly flower by the great half-pit in his won Trea-ts and the Rife of the Egg nourift, till, by means of the locubation, it have pass'd innumerable degrees of Fluidity, from its first Thickness to that exceeding Subtility wherein it terminates. Bur

Now the first tender Solids arising from this subtile Hu-mour, do again pals infinite intermediate Degrees, e'er they arrive at their stmost State and Confisience; as is shewn

arrive at their union of the and Constitute; as is never by Madipals in Eggs, and by Rayles in Embros's and Frants. Hence, therefore, it follows, that the Solids, in their first Formation out of the Loquids whence they arile, only differ from em in Reit, Cohenon, and Figure. Therefore fuch a from em m Rett, Oofenos, and Figure. Therefore Inch a Particle, now in its fluid Strate, will become a part of the Solid to be form'd out of it, as foon as there happens to be a Power to effect its Cohesion with the other folid Parts; howforver that Cohesion is effected.

howhover that Contention is effected.

This Cohefion is eafly produced in a Fibre already form'd, if there happen to be a proper Cavity in the Solid, lefe open by fome lott Particle, and at the fame time a Particle in the Fluid, anforcable thereto in Bulk, Figure, and Nature 3 and lattly, a Power wherewithal to intrude it and Nature's and latify, a Power wherewithalt to intrude it into that Place, or accommodate it thereto. Thus will a-rife a real Naturino of the Solids in the minute Veffels, by whose Union the large once are form'd 3 that is, in the Nerves, or in Veffels fimilar thereto. Which being impracticable by any other Liquid than that brought into thefe Veffels; it appears very evident that the nervous Juice, at least 2 Juice perfectly like it, is the immediate Juice, at feath a Juice perfectly like it, is the immediate Matter of Naturion: Whence Navinion appears one of the last and most perfect Actions in the Body; fince to have this loadable, all the precedent Actions must of accessive have been fo. See Spirar.

The Chyle therefore, which fome make the immediate Matter of Naturion, is, indeed, fixed to fill the larger Matter of Naturion, is, indeed, fixed to fill the larger

Veffels, but cannot nourish or restore them. This, when attenuated, chang'd, more intimately mix'd in the Lungs attenuated, chang a, more intimatery mix a in the Lungs by means of Relpiration, and thus fitted for the Paliage of certain Veilels, is, indeed, rendred fitter, yet far from being quite fit, to be the Matter of Nariarion. See Chytz... But, by the repeated Action of the Lungs, the Fifera, Veilels, Eye, there is form do out of this Humour, a fort, to-

Veilcia, Ec. there is form d'out of this Humour, a fost, no-naccous, pallist, inspird Serum, which rhickening by the Fire, becomes perfectly like the White of an Egz. This Flund, therefore, has in it all the Conditions found in that from whence, by fure Experience, we know all the folial Pars of an Animal, artife, by mere Incohastion. It is therefore a tiep nearer, but is not yet quite difforde for Nutriment. Much left is the Cornor, or eta, globular Part of the Blood fo. Neither are yet fitted to enter the Veffels; yet both the one and other are, by different Authors, made the Nstritise Juice. See Broop, SERUM, and CRUOR.

But as the Heat of Incubation, so the Action of the Fif-

errs and Veffels, on the Serum, introduces various Changes therein; till at length a part of it be rendred fubrile enough for the Purpole required. This, when exhaulted, is inftantly repaired: and thus we have the true immediate

Marter of

But this fame Humour losing too many of its oily Parts, not this tame Hilmont foling too many of its oily Parts, by many repeated Circulations, is rendered too flarp a and being likewise ftrip'd of its most liquid Parts, from the fame Cause, becomes too dense; and is thus rendred unft for this Secretion. Hence the necessity of new Chyle, and new Food, to keep up Nistrition.

The Marty of Notified than of Commission of the Chyle,

The Matter of Natrition thus afcertain'd; the Mann

A Juice being driven directly throa full, conic or cylindric, clattic or rigid Canal; if its Course be from a wider to a clatik or rigid Canal); if its Courfe be from a wider to a marrower Part, or if a bare any hing to oppole its Mosien, will endeavour to fireth the Sider of it canni according where in the Body, except, perhaps, in the Veins and Ke-ceptacles. By this Noise, or Endeavour, how weak flower, continually represed, the Veifets will be infentibly leng-then'd out and in lengthing, will be made more and more than the state of the Court of the Court of the Court of the inches are controlled to the Court of the Court of the Court of the inches are controlled from the Court of the Court of the Court of the inches are controlled from the Court of the Court of the Court of the inches are controlled from the Court of the Court of the Court of the inches are controlled from the Court of th

flender. Hence the laß Extremities of the Veffels, which in Man are extremely finall, are continually flexically and rendred lefs and lefs coherent, i.e. fill) neater and nearer to Difficitions and thas as length will they cohere for weakly, as feares to differ from Fluids. White fach Moiorin goes on, therefore, and the Propaision is continued, there will, of necessity, happen their two hithps: Fifth do courted Farticles of the minuted Tubes beis continued, there will, of necessary, toppose the highest prints of the highest prints

## $N \cup X$ 645 )

endeavours to diftend the Canals; and thus intercepted, at length, it forms, adapts, and faftens them, fo as to adhere in the fame manner as the former. in the fame manner as the former.

The Matter, Preparate, Application, Energy of Moton, thil remaining the fame; what from time to time is
the fame; when the Solide contains in
the fame State a sholine, i.e. they are perpenally smelled,
and fupply'd, and preferr'd.
In this the Certaire Wildom it way complexes, so in
that the fame Funer which mortishly defitory, done repair
spains are the front using, and by the inmed Action; and the
spains are the form time, and by the inmed Action is
the Supply and
lattly, that those Parts, first from in the Action of
the Body, are the fair reluced.

and lattly, that more rarts, nett tpent in the Action of the Body, are the fift refore.

Further, 'its evident that the newer, the more tender, and the scarer the moving Caufe thefe Veffels are, the more caffly will they be lengthen'd, differed, defined, and repair'd: Our Bodies, therefore, the nearest to their Chiefe, the more defined to the Chiefe the more defined to the State and the Stat and repair of: Our Bookes, increasors, two nearer to mear Origin, the more do they grow. For, the Aftion fall con-tinuing, the greater Veifels become more extended by their Fluids and at the fame time the finaller, whereof the Membranes or Goats of the larger are companded, are compressed, drief, and at 18th contracted, and grow up's whence arties a Firmness, indeed, of the Fires, but a Lofs of the Veficles.

Thus what were, formerly, Veffels, commence mere bard Ligaments; and thus the Fluids once fix'd, the feve-ral Veffels coalefce: from the Concurrence of these Causes

arife the Strength, Hardness, Rigidity, and Thickness of the folid Parts.

the folid Parts.

Hence, the Number of Vetfels is greateft in Embryo's, and as Age comes on, feeffibly diminithes; 3 and hence it is that their Weaknets confiantly declines, and their Serogeth and Firmmels increases. In young People, therefore, the Quantity of Humours is redundars, and greatly exceeds the Solids: In old Men, the Suide exceed the Fluids. And

Solids: In old Men, the Sulide exceed the Fluids. And hence we fee the Reafon, Manner, and Appearance of Growth, State, Decleration, and at length of Death from pare old Age. See Dearts.

A Perfor who confiders this Account, and compares it with what is actually observable in the Body, will find every Circumstance to obtain: Thus the whole Canisals is very Greamflance to obtain: Thus the whole Catassia is every where, and at all times, conflainly defiquammating, peeling off, and again renewing; and thus the Hair, Nails, Teeth, cantinually rabb'd, torn, and wore off, come again; Patris takes off from the Veffels, and the Bone, foon grow again. And the Sordes, or Filth, rabb'd off from the Ex-

sgain. And the Scotes, or Filth, rabble def from the Ex-remeities of the Vicility, when examind by a Microlego, or olluted and view in its Waret, appear planisy to consist Warling, Shaving, Get. are the fame. Hence, too, we fee that a general increase of the Bulk of the Beds, with regarded which, as for fa, fighty, bear-ting the state of the state but by their Extension into Harper Cartino, convoled with figurant Homosus. And lexce Extends the Scomes burstle, as it leads, weakens, and further the Scomes burstle, Nomine and Refereins; to white I wright men has been

Natition and Repletion 3 to which a Physician must have e-special regard; the one strengthening and condensing the Veffels, the other weakening, loofening, and extending the

fame, See PLENITUDE.

Hence, lastly, we fee why the Fabric of the Solids is not destroy'd by the contain'd Fluids; how our Machine not delitry'd by the containd Fluids; how our Machine comes to fieldfill follog; why, when a Nerve is corrupted, the Natrition of that part it belongs to, ceales; and why the fame obtains in an Artery; Why in an Embryo there are no Solids, in a Farm very few, in old Men a great deal; and why even the Nervex, Tendons, Atteries, and Recetacles, become first Carningtons, then Booy.

Nutrations of Flaims. See Vicerations, Sar, Cia-

CULATION, &c. NUTRITION, in Pharmacy, a kind of Preparation, con-

fifting in the gradual Mixture of Liquors of different Narures, by firring them together till they have acquired a thick Confifence; as in making Batter of Saturn, or Ungreatum Natritam.

guestian Natrition.

NUTRITION Since. See NUTRITION.

NUTRITIVE Facally. See FACULTY.

NUTRITIVE Addicative, cooling, Unguent, prepared by the Agitation and Natrition of fome Preparation of Lead, with Oil and Vinegar, or the Jaice of Sciences, in a Mortar. See UNCURNT.

NUX Venica, the Fruit, or, as fome will have it, the Stone of the Fruit of a Tree, growing in feveral Parts of Egypt, or in the Islands Timer and Ceylon.

Egypt, or in the Illands armer and egypon.
It is round and flar, of a grey Moufe-colour without, and
various Colours within; fometimes yellow, fometimes
white, fometimes brown. The largeft, whiteft, neweft, and cleaned, are the best This Drug is an affared Poifon for all Animals except

Men. See Poison.

NYM

On the contrary, Hermannus, Becamic Profession at Leyden, who has wrote expressy on it, says that those of Tower and Ceyson are excellent Sudorifics, and to be rank'd among Diurctic Medicines. Nux Galla. See GALLS.

Nux Indica, the Fruit of the Tree call'd Caras. See

NYCTAGES, a Religious Scel, diftinguish'd by their recighing against the Practice of waking in the Night to ng the Prailes of God; in regard, faid they, the Night was made for Reft. The Word comes from the Greek will, Night

The word consistent of order rec., rec., reput.

NYCTALOPIA, or Notherns Ceciust, a Difeafe of the
Eyes, which prevents their feeing, when the Sun is fer,
and the Light begins to diminish. See BLINDNESS. Celfut calls it Imberilitas Oculeram.

Just alls it indeciting Gouterous.

Others will have the Nybindopia to be properly a Diffeate, that prevents the feeing by Day, not by Night; which is the feef Hipperrare uses it in a and in which feefe it is furposed owing to the Spirits being too much diffipated in the Day, but collected by Night. See Stown.

However, in the general, any Difease which prevents the feeing at any particular time, when others fee, is call'd

Nyllalopia.

Beerbaare fays, the Nyllalopia confifts in this, that the The Word comes from the Greek vet, Night, and akang.

Fix a this Animal being faid to fee lefs by Day than

Night.

In the Philippinal Templations, we have an inflator of the Philippinal Templations, we have an inflator of Age who had been affectly and it such deliverary Years of Age; who had been affectly and the Philippinal Age and the period of the Philippinal Age and the Philippinal Night.

Dr. Brigg accounts for the Cafe thus: "As Vapours use raised on great quantity during the Day-time; which be-ing condensed by the Coldocti of the Evening, fall as-sign to the Carlon of the Carlon of the Carlon of the Sop perhaps, the Humours met Bearth, the chickers So be affected; and, in the Evening, rendered groffer, and more tarbid. As we fee in Circune, which frequently possible of the Carlon of the the Carlon of the Carlon of the Carlon of the Carlon of the the Carlon of the Carlon of the Carlon of the Carlon of the the Carlon of the Carlon of the Carlon of the Carlon of the the Carlon of the the Carlon of the Carlon

the Rays being either reflected, or too much refracted, do

"the nays being either renegred, or not much remaction, or "not reach the Returns, or at least fittic it too feebly."

NYCTELIA, Or yas, or Feetls in honour of Reacher; for call'd, because held in the Night time. See Oroya.

A great part of the Ceremony conflicted in running thro's the Streets, with Bortle and Glafs in hand, drinking: but

there was no Impurity unpractis'd in them.

The Arbemans colebrated the Nyilelia every three Years,

The Ademan celebrated the Nytielia every three Years, at the beginning of the Spring.

NYMPH, NYMPHA, in Mythology, a fort of Heathen Divinity, tuppeded to prefice over Waters, Rivers, and Some cated the Word further, and comprise under it the Goldeffex of the Fountains, Foreth, and Trees; call'd available of the Fountains.

the Goddettes of the Fountains, Foretts, and Treess called particularly Orders, Dysides, and Ilmendryader. Morphia is of opinion, the Greek horrow'd their Notion of these Divinities from the Fabricians; for Nymphe in their Lunguage fignifying dod, the Greek imagin'd, that the Soulis Carlos and the Control of the Control Mountains, Orcader; those who had dwelt on the Sca-Coasts, Nerender; and lastly, those who had their Place of Abude near Rivers, or Fountains, Naides. See DRYADES, OREADES, &c. The Word Nymph, according to fome other Authors, con

from the Greek rough, a Bride, or Woman newly marry'd; and was apply'd to these Deities, because represented under the Figure of young Maids.

Others derive Nymph from Lymphu, Water; in regard of their inhabiting near the Waters.

NYMPHA, among Naturalitis, a Term formetimes used the little Skin wherewith Infects are enclosed, both while they are in the Egg, and after they have undergone

white they are in the Egg, and after they have undergone an apparent Transformation. See INSECT.

Others ale the Word Nympha for the Change itself of the Errea, re Vorm, into a flying admiral, after having laid afide its former Skins which, as Swammerchous fluers, is not effected by any proper Transformation, but by firmple Accretion, or Growth of the Parts, whence the Skin by the Skins of th

## (646) N V MNYM

is by degrees firetehed, and at last burfts; as is the Cafe, likewise, in Chickens and Frogs. But the generality of Authors as Number for the Infects themselves, while they

Authors are symples for the interest members, while they have yet only the Form of Worms or Maggots.

The Word properly figsifies bride, or new-married Woman; it being now, when it has laid affee its former Skin, that it begins to fibe all its Parts difficilly. In this Change it is the symplectic of the symplectic of the symplectic or the symplectic of the symplectic or loses its Motion for a while, as when in the Egg; is that these Insects are twice in their Nymphu State; first, in the Egg, which is their first Nymphu; and again in this Change,

which is their focond. which is their focood.

The only difference between them confirls in this, that
in the latter the Members appear more diffinedly, Smanmerdam calls this latter Nympha Anea or Amelia, and Chryfalls; and the other fimply Nympha. The Nympha enotterwise diffinguished into Nympha Animal Versusfermit, and

Vermiculus Ovefo owis. The Eggs of Bees first change into Maggors ; these Maggots, inclos'd in their Aleest or Cells, are tranform'd into Aurelia or Nympha, and twelve Days afterwards come out Becs

Bect.
NYMPHE, or Alex, in Anatomy, are two fost, spongy, and Bodies, defending from the Top of the Client to the Solice of the unitary billage; that receiving to show the control of the

The Use of the Nymphe is, by swelling in the Ad of Coition, to embrace the Penis, and by their Sensibility to affect the Woman, and mutually invite to Procreation. See GENERATION.

Their Subfiance is very fpongy, compos'd of Mem-anes, and Veffels loofely cohering, and therefore diften-

NYMPHÆUM, among the Antients, 2 public Hall, or Building, magnificently adorn'd and difpos'd for Bao-queting and Entertainment; where those who wanted Con-

queting and Entertainment; where those who wanced Con-rectionate at home, held their Marriage-Feath, Co-Some Authors rather take the inition Nyuphenu for a Grotte, adom'd with States, Jess, and orbet Ornaments; and that it had its Name, by Corruption, from Lyuphenu, of Lyuphen, Water: In which sense it must have been a public Bath.

The Word comes from the Greek rough, Speafe.

NYMPHOMANIA, in Medicine, the fame with Foror See UTERINUS

L'erima. See UTERINUS.
NYMPHOTOMIA, in Chiruspey, 2 Retrenchment or
Curing off part of the Nymphe, when they are fo large and
unnid, as to prevent the Confimmation of Marriage, or
render it very difficult. See NYMFIRE.
The Egyptian, Colless offeres, frequently practiced it
Nymphetomia: but in our Parts of the World, it is reachly
found necessary.

tound necessary.

When it happens to be fo, the Cafuifts give their Judgment, that the Woman is oblig'd to undergo it.

The Nymphotomia is properly the Gircumcifion of Women,
See Circumciston.



The fourteenth Letter of the Alphabet; and the fourth Vowel. See Levyer and Yowel. The Grammarians call it a close Yowel; because pronounced in flutting the Mouth. Among the Launs, the O bore so great an Affinity with the U, that they frequently confounded them; writing Confol, and pronouncing Confol. See Genter's Instrument.

[6] and prenouncing comput. See Graver's inference. Thus, aligh, they wrent degines for προμικη, derelius for Aserdins, Compificare, Domerri, Er. The Greets had two O'r, was Onderon, a, and Omega ως the first prenounced on the tip of the Lips, with a finarper Sound's the German in the middle of the Month, with a nil-ler Sound, equal to see in our Language. The long and first Pronounciation of our O are an Egolvalcut to the two Greek ones; the first as in obey; the fecond as in suppofe. O, among the Antients, was a Numerical Letter, figni-fying Eleven; as in the Verfe,

O Numeram gestat qui nune un teimus extat.

When a Dash was added at top, as 0, it figuify'd eleven Millions.

Among the bift, the Letter 0 at the beginning of the Name of a Family, is a Character of Dignity, amnexed to great Heufes. Thus in the Hittory of breiand, we freuently meet with the O Neals, O Carrols, &c. confiderable Houses in thar Island.

Combien observes, that 'tis the Custom of the Lords of Commoders observes, toat us the Cuttom of the Lores or Helend, to prefix an O to their Names, to diffinguish them from the Commonalty.

A Majufcule O, in Music, is a Nate call'd by os Semi-brees; by the Italians, create; making what they call Tem-

perfers. See Note. ps perfests. See Nort.

The Antients ufed 0 as a Mark of triple Time; from a Notion that the Ternary, or Number 3, was the most perfect of Numbers, and therefore properly express due to Carele, the most perfect of Figures.

Circle, the most perfect or regures. As foom as a Sheriff enters a Perfon into his Account for fiftees, Americaments, and mean Profites is the Practice is to mark on his Head O No, which fignifies, One-stare mift baleat fufficiences Economics and minediately he becomes the King's Debtur, and a Deber

is f t on his Head. IS Ft on his Heat.

Upon this the Parties become Debtors to the Sheriff, and are difcharged to the King. See SHERIFF.

OAK-Fish, OAE-Opples, or OAR-Cone, in Natural History, a kind of Gabi, or Excrefencies arifing out of the

For their Generation and Ufe, for GALLS.

For their Generation and U/e, fee GALLS.

OANHAM, OARMS, OODAWM, in the Sea-Language, denotes the Matter of ald Ropes untwifted, and pull'd out again muo loof Hemp, like Hards of Flax, to be ufed in the Calking of Ships. See CALLING Hillers, b. Microll.

OAR, or rather ORE, in Natural History, the Mineral Glebe, or Earth dug out of Mines, to be porify'd, and the Meralline Parts procured, and separated from the same-See MINE and METAL.

The Oar is frequently call'd the Mineral; and among the Antients, Marchafite; the the Mederns affix another idea to that Name. See MINERAL and MARCHASITE.

to that Name. See Misseards and Maneuratite.

Oha, in Navigation, an Inflammous whereby a Beat,
Bogg, Gulley, Sr. is rowd, or advanced diseage the Water.

Bogg, Gulley, Sr. is rowd, or advanced diseage the Water.

In a Verfelt with Owar, the Water is to be confidered as
the Point of Support, or Infrarems, the Cur as a Lever; the
Boat as the Braines to be moved, and the Rower's Halos

The Braiden is to be confidered as apply'd to that Point
of the Lever, where the Our relies on the Rost: The greater

therefore the Diffuse of the Hand from that Point, and

greater Effect will not of the Viter of the Thomas Thomas.

greater Effect will the Our have. OARISTUS, or OARYSTUS, a Term to the Greek Po-etry, figoilying a Dialogue betwirt a Husband and his Wife; fuch as that in the VIth Book of the Unad, between

Heller and Andremache.

Scaling observes, that the Oscifius, properly, is not any particular little Poem, or any entire Piece of Poerry; but a part of a great one. He adds, that the Paffage now cited in Homer, is the only proper Oscifius extant in the antiret Poese. ticot Poets.

ticot Poets.

OATH, 3m-inrandum, is ufually defined a Religious Affertion, or Affeveration; wherein a Perfon invokes the Almighty, renounces all Claim to his Mercy, or even calls for the Divine Vengeance upon himfelf, if he fpeak falfely.

Some Civilians look on this Definition as too lax, fince it may agree to Perjury; and would have this effential to an Oath, that the thing affirm'd be true. But this is arbitrary. See PERTURY.

trary. See Prayurer.

An Ond's is citecan'd a kind of Civil Medium, between
the Perfor that gives it, and him to whom it is given a
whereby fome Controverfy, or other Matter, which could
not otherwise be determined, is brought to an titue.
Its Form, and the Ceremonies it is attended withal, are

arbitrary, and various, in various Countries.

The Gaths we make to God are call'd Four, and in fome

Cafes Steraments. See Vow and SACRAMENT.

OATH, in a Legal Scofe, is a foleme Action, whereby
God is call'd to winness the Truth of an Affirmation given before one or more Perfors, impower'd to receive the fame.

Legal Ombs and with, So help me God; antiently with, So help me God at his Holy Done, i.e. Judgment. See Domes-DAY.

DAY.

Our Law-Books (sy, this Outh is call'd a Corporal Outh's because the Furry, when he fuerts, routhes the Gosphel with his right Hund. But in fone old Cuffenns of Anym and Mans, it appears that Gosponal Outh was a simple difficultied on the Conference of Furth and Teichity, much by a Vaffall mental on the Conference of the Confere Hand on the Gospel. See Homace, FEALTY, VASSAL,

An Oath is call'd Canonica Purgato, because allow'd by the Canons; to diffinguish it from Valgare Purgations, vox. by Battle, Fire Ordeal, E.g., which the Church always dificulties of the Canonical Canonica Allow a Oct PERGATION, ORDERAL, CONEAR, DUELL, CHAMPION, Etc. In finall Matters, which the Plaintiff could not prove, or if he could, if his Proof were fet afide, the Defendant might purge himfelf by his own Oab's which was call'd

Jarare propria Mana. But in Matters of more weight, he was to bring other credible Perfors, ofually of the fame Quality with the Plaintiff, to fewer that they believed the Defendant had fewere the Truth.

Thefe were call'd Sacramentales; and their Number was greater or lefs, according to the Quality of the Defendant, and the Nature of the Thing in question. Hence, Justice dwdenna Manu.

OATH is also used for a felema Promise faithfully to ev-OATH IS Alto tree for a meeting a country of the cecte or otherwe formething. Tryals in Common Law depend on Twelve, or Twenty-four Men, who take their couls to declare the Truth, as it shall appear to them. See

In this feofe we fay Shate Gaths the Gath of Suprem-cy, Omb of Meriance, Omb of Abjuranon. Sec Alleciance. SOFREMACY EC.

At the meeting of a new Parliament, the Commons, all, take the Outs of Allegiance, Supremacy, and Abjuration. SEC PARLIAMENT.

Kings and Princes swear to the Performance of the Trea-ties they make: Tho, antiently, they did not swear of themselves; but others sware in their Name. Thus in a Treaty in 1777, between the Emperor Frederic

Thus in a I reaty in 1175, between the Emperor Frederic Babersia, Rever King of Sorly, Free Attender III, and the Cirics of Lundardys the Count de Dieffs, by the Emperor's Order, fower, upon the Soul of that Moazeth, that he would ristifially observe the Peace's and, at the fame time, Remand Archifton of Softma, and Count Rever, four, of the orderic of the Country arrive in Scily, King Roger should procure fome of his Lords to swear for him. OAZY, or OARY Ground; fo the Scamen call foft, fli-

ddy Ground my, or muddy Ground.
OBEDIENCE, OBEDIENTIA, Canonical OBEDIENCE.

Obedientia, in our antient Cufforms, was used in the general, for every thing that was enjoyn'd the Monks by the

In a more refirain'd fenfe, Olesientia was used for the Farms which belong d to the Abbey, to which the Monks were fent vi eielden Obellentie, either to look after the Farms, or collect the Rents.

Hence, alfo, those Rents themselves were call'd Obe-OBBLISK, OBBLISCUS, a quadrangular Pyramid, very flender, and high; reis'd as an Ornament, infome public Place, to fhew forme Stone of enormous Size, and frequently

charg'd with Inferiptions and Hieroglyphics. See Monus-The difference between Obelish and Pyramids, according to fome, confiits in this, that the latter have large Bafes, an

the former very small ones.

The Cardon makes the difference to confift in this, that Obe-

Pyramids of feveral. See Praamin.

The Proportions of the Heighth and Thickness are nearly

the fame in all Obelisks; that is, their Height is nine, or nine and a half, formetimes ten times their Thickorfs; and their none and a half, formerimes ten times their Thickness 3 and their Thickness, or Diameter a-top is never lefs than half, nor greater than threefourths of that at bottom.

This kind of Monument appears very antient; and we are told was first made afe of to transfirst to Posterity the principal Precepts of Philosophy, which were engraven in hieroglyphical Characters bereen.

In After-times they were used to immortalize the Actions of Heroes, and the Memory of Persons beloved. The first Obelish we know of, was that raifed by Ramifes, The first Observe we know or, was their raised by acompen, king of Egy, in the time of the Trejan War. It was 40 Cubits high, and, according to Heradom, employ'd 20000 Men in the Building. Phins, another King of Egypt, raised one of 45 Cubits; and Peterbury Philadelphus another of 88 Cubits, in memory of Affinee.

Amplifus erected one at Rome in the Campus Marins, which fere'd to mark the Hours on a horizontal Dial drawn on the Pavement. See DIAL.

F. Kireber reckons up 14 Obolisks celebrated above phile.

The Esppian Priests call'd Obelishs the San's Fingers, be-

cause ferving as Styles, or Gnomons to mark the Hours on the Ground. The Arabs still call them Pharach's Needler: whence the Italians call them Agustia; and the French,

Evel derives the Word from the Greek igenes, a Broach, Spindle, Point, or a kind of long Javelin.

Pliny fays, the Egyptians cut their Obelisks in form of Sun-Beams; and that in the Planetian Language, the word Obelish fignifies Ray.

con muct tranger unt rate, and reten forterwise call'd Ceppolarys, See FAT.

Eleman's defines in to be fack an increase both of the Venera and Limbs, as impodes the Addisons of the Body, effectably flotton and Religination.

Oligity, Revisance observes, does not consist in the Solids of the Body being increased, but by their being distincted to a greater Firch by the abundance of Humanus collected in them. Sec Sorth, &c.

Hence, Obrfity occasions feveral Difeases; afually Apoplexies.

plexies.

It was held Infamous among the Lacademonians. Hiftery tells us of a Spaniard who had been fo exceedingly Fat, that when he became lean again, his Shin would make ferveat turns or folds quite around him. Senserius mentions a Man-

turns or folds quite around him. Senserrus mentions a Man-that weight doer Pounds.

Emusier affirms, that there is no better Remedy against Obelity than Actorn Schillerus. Evel recommends the Chew-ing of Tobacco; which Emusier diffusades, left it induce a

Confumption.

OBJECT, in Philosophy, fomething apprehended, or referred to the Mind, by Sensation, or by Imagination. C SENSATION and IMAGINATION

See Serration and Industrial.

Or, Or Jacr is formething that affects us by its Prefence;
or formething that moves the Eye, Ear, or forme of the other
Organs of Senfe; or, at leaft, is reprefented to us by the Imperination.

Thus, Ideas are the immediate Objetts of the Mind in thinking: Budies, their Relations, Attributes, &fe. the mediate,

The word objett is derived from the Laim, Objivers, to prefer to, to fet before, which is composed of shad jame, better to the state of the late of the state of the late of t

as, that it be Material; that it be within a certain diffance, of a competent extent, its fentile Qualities sufficiently in-Tis the Objett that reflects or emits the Rays of Light

which occasion Vision. Objets of themselves are invisible; we only seem to perceive them because the different Tex-

ture of their Surface, disposing them to reflect differently colour'd Rays, necasion in us several Sensations of Colour, Ec. which we attribute to them. See Colour, Vision, The Objests of the Eye, or of Vision, are painted on the Retina 3 the not creek, but inverted, according to the Laws of Optics This is easily shown from Cartes's Experiment of Optics This is easily thewn from Cartis Experiment of laying have twitcoes Humauro on the back part of the Eye i and clapping over it a bit of white Paper, or the Skin of an Egg, and then placing the fore part of the Eye to the Hole of a darkned Koom, the fore part of the Eye to the By this means is had a petry Landskip of the Objets abroad, painted invertedly on the back of the Eye. See Experiment

RETINA.

How, in this Cafe, the Objetts which are painted inverted should be seen erect, is matter of Controversy. See See-

The Schoolmen diffinguish objetts into next, presima, which are those the Power, or Habit is immediately employ'd on a mobile fact, Colinar is the next Objet of Sight: And the substitute the objet of Sight: And the substitute the objet of Sight: And the substitute the objet of Sight, face when the substitute the objet of Sight, face would feel it by means of the former when the substitute of Sight, face would feel it by means of the former objet. The substitute of Sight, face would feel it by the substitute of Sight, face would feel it by the substitute of Sight, face would feel it by the substitute of Sight, face with substitute of Sight, face would be substituted to substitute of Sight, face would be substituted to substitute of Sight, face when the substitute of Sight, face we substitute of Sight, face when the subs

Objects. But, note, that a next Object, with regard to a re-more one, is properly a Subject, not an Object. See Sus-

JECT. They slid diffingsish Os pecus per fewhich are what pro-pelly more or affect our Scale's and these are the fundible behavior of the property of the period of the period behavior of the period of the period of the period see Quality and Servey and the third legislet (Salides See Quality and Servey and the period of the period are fact has affect divers Scales, as an Morion, Figure, See. And Pripe Of Jects, which only just den . See Sharis, and and Pripe Of Jects, which copy affect den . See Sharis of the Clark placed in that end of the Green of the Clark and the Object.

TELESCOPE, MICROSCOPE, and GLASS.

To prove the Regularity and Goodness of an Onjucy-Glass.

Strike two concentric Lines on a Paper, the one having its diameter the fame with the Breadth of the Objett-Glaft; is dismers the fame with the Breachh of the Object-Object the color held that bilmmers to Divide the inner Cleaning the color held that bilmmers to Divide the inner Cleaning the color held that parts, and making for fine final! Holds therein with a part of the color than the part then expending it we then margine the Rays had part that park then thele find fine of the color than the color than

Length. Indeed, there is fearce any better way of proving the Excellency of an Ois-Oi-Oisis, than by placing it in a Tube. And trying it with fmall Eye Glaffe at feveral dilates Ois-Oisis for that Ois-Oisis har repredents Objects with the original of the oising in the oising the oising in the oising the oising in the oising in the oising in the oising the oising in the oising the oi

To prove whether Object-Glaffes be well center'd.

Hold the Glass at a due diffance from the Eye; and ob Host the Chair at a che minante from the Lye, and on-ferve the two reflected Images of a Candle; where those Images unite or coalefce, there is the true Centre. If this be in the middle, or Central-Point of the Glafs, 'tis re-

Centred.

OBJECT is also used for the Matter of an Art or Science; or that about which it is employ'd: in which Sense, the Word coincide with Subjets. See Sunjact, Ce.

The School-Philosophers diffinguish divers kinds of Ob-

iells in the fame Science, Material Onject, which is the thing itself that is confider'd, or treated of: And thus it is the human Body is

the Objest of Medicine.

Formal Onjecx, is the manner of confidering it: And thus the fame buman Body confider d with a view to the healing it, is the Formal Object of Medicine.

Onjectwa quad complexamy, of an Art, is the aggregative Whole; or a Collection of all the objective Conclusions, or

Confequences found in the Science. Objettum quad incom-plexum, is a Collection of all the Subjects of the objective Conclusions. Thus, Therefore Air is classic, is the complex Object of one Branch of Physics and Air isfelf, or the Subject of the Conclusion, the incomplex Object of the fame Branch-

OBJECTUM que Complexem, is a Collection of all the objective Antecedents of the Science. Objetium que incomplexam, is a Collection of all the Mediums, or Argumente contain'd in those Antecedents, and whereby those Conclu-

fices are proved.

In these Cases the Objest is faid to be complex, inasmuch as it includes both an Affirmation and Negation; and inas it includes note an americation and regation; and in-complex, as it includes neither: Quod, as being that which (quod) is theme in the Science; and quo, as being that whetchy (quo), the Conclusions therein are proved.

They have here, also, an Objett per fe, and per accident ; Objettion adequation, and inadequation; Attributions, and

Airribanus.

OBJECTION, in Reasoning, something urged to overthrow an Opinion; or, a Difficulty raised against an Allogation, or Proposition of a Person we are disputing withall.

The answering of Objection; comes under that Branch of
Oratory, or that Part of an Oration call'd the Confirmation, See Confirmation and Confutation

or Conjustion. See CONFIRMATION and CONFUTATION.
OBJECTIVE, Objectivent, is used in the Schools in
speaking of a thing which exists no otherwise than as an
Object known. The Ess, or Existence of such thing is faild
to be Objective. Others call it Rain Objectives. See On-

The Word is also used for the Power or Faculty by which any thing becomes intelligible; and for the Act irfelf, whereby any thing is prefented to the Mind, and

Hence a thing is faid to exift Objectively, Objective, when it exifts no otherwife than in being known; or in being an Object of the Mind. See Existence.

This, fome will have to be a real Effe; others deny it.

See Esse. OBIT, in our antient Cufloms, was a funeral Solemnity, or an Office for the Dead; commonly performed when the

Corps lay uninterr'd in the Church

Osir is also an Amiversary-Office, or Mass, held yearly in the Romijo Church, on a certain day, in Memory of a Person deceased. See Mass and Anniversary.

Person deceased. See Mars and Anniversank.
One of the molt ancien Other in Europe, is that of King
Childeber, founded in the Abby of St. Germain Deforce; and failout the Eve of St. Thomas' Day.
The Tenure of Old, or Chanaty Lands held of the
Salight, is decreed to be exticed with us, by Sm., Edu. 6.
See Insuras, Service, Go. OBITUARY, a Register, wherein are wrote the Names of the Dead, and the Days of their Burial. See RE-

Thefe in fome Places are call'd Mortuaries. See Mon-

The Term is fometimes also used for a Book containing the Foundation, or Institution of the Several Obits; but this is more frequently call'd Martyrology. See MARTY-

OBLATA properly fignifies things given, or offer'd, particularly to the King, by any of his Subjects. See Op-

FERING

FRRING.
In the Exchequer, Oblasa fignifies old Debts; brought, as it were, together, from preceding Years, and put to the prefent Sheriff Charge.
Thefe are thus call'd, by reason the Oblasa, or Offerings were for firth![V] look'd to in the Reigns of King Julius and Henrylll. that they were careful due the Fine Noll, and the United States of the College of the Coll

the Sheriff. OBLATI, anticatly, were fecular Persons, who resign'd themselves, and their Estates to some Mooastery, and were admitted as Lay-Bruthers. See Lay-Bruthers.

admitted as Lay-Brushers. See Lay-Bruyter.
There were nome of thefe Older, properly call d Dunnii, who gave their Perfons, their Pamilies, and Effects; and vere enter'd into a kind of Servitude them(bets and their Defendants. They were admitted by putting the Bell-Ropes of the Church around their Necks, and, as a Mark of Servitude, a sie Perce on their Heads.

These Donati took Religious Habits, but those different from the Monks.

In the Archives of the Abby of St. Paul de Verdun, is a In the Archives of the ADDY of St. Fast at Person, is a Permiffing given in 1360, to a Man of that ADDy to marry a Wife, on condition, that of the Children arising from the Marriage, one half should belong to the ADDy in quality of Oblani 3 the other half to the Bishop. This kind of

Oblati are faid to have taken their first Rife in the Eleventh

Genery,
In the extiler Times, those only were call'd Oklair whom
In the extiler Times, those only were call'd Oklair whom
The expended from their Indiacy to the Monthle
Life. These captures are the control of the Control
Life of the Control
Life

ly placed by the King in all the Abbeys and Priories in his

Nomination; to whom the Religious were obliged to give a Monk's Allowance, on account of their ringing the Bells,

a Monk: Allowance, on account of their inging the Hells, and iweening intellurate and the Court.
These Places were usually fill'd with lame Soldiers and lovatids, some of whom had Pensions or Benefices without any Dury is har insected to the Head of the Inaview and Pury is har insected to the Head of the Inaview at Perint OBLATIONS, OFFER MAS, POPPY denote Sarryfact, or United With State 1988.

In the Canon Law, Oblations are defined to be any thing offer'd, by godly Christians, to God and the Church, i.e. to the Priests, whether they be moveable or im-

moveable. moveaite.

Oblasies were antiently of various kinds, eve, Oblasies of Mearis, which the Priefts had for faying Mafa; Oblasies of Depondrows, given by the lat Wills of the Pathful to the Church; Oblasies Mortaness, those given by the Relations of the Dead, at Burials; Oblasies Marians, those given by Penicents; and Obligations: Pantientism, those given by Penicents; and Obligations: Peniceptiales. See

PENTICOSTALES Till the fourth Century, the Church had no other fixed Revenues, nor any other means of Subfiftence, but Obla-tions. See TYTHE.

OBLIGATION, an Act whereby a Person engager, or binds himfelf, ur is bound by another, no do formething are to pay a Sun of Monor, to be Surery for any one, §5. a ze to pay a Sun of Monor, to be Surery for any one, §5. a The Acceptance of a fill of Exchange is a kind of Obligation. See Bill.

The exacting of Intered on a Sum due by a simple Obligation for the part of the Sun of Charles and the Sun of the

The counting of Interest on a Sum due by a simple Obligation, in secondard Usiny. See Usura.

All Obligations arise from Contracts, or spass Contracts from Crimes, or spass from contracts, or spass from contracts, or presentars, i.e. either approved by the Givil Law, or introduced by the Pratect.

There are three kinds of Obligations, Material, Geol, and

Mixed. Natural Onlightions are founded on the mere Bend of natural Equity, without any Civil Necessity, and without producing any Action of Constraint: Such as the Obligation

of a Minor Civil Onligation, is that supported on Civil Authority alone, and which induces a Constraint, without any Prin-ciple or Foundation innatural Equity: Such is the Obli-gation of a Man condemn'd unjustly.

Laftly, a mixed Osz. 10 Arton, or an Obligation both Na-tural and Civil, is that which being founded in natural R-quity, is further confirm'd and enforced by Civil Au-thority. pority.

There are Personal Obligations, Hypothecary Obligations, Obligations of Goods, others by Body, Obligations solidary, others for a Part or Portion.

OBLIGATION, in a more third Senfe, is an Inflrament, or Bood, containing a Penalty with a Condition annexed, for payment of Money at a certain time; or for Performance of Covenants, &c.

of Covenants, Gr.
A Bill is commonly without a Penalty, and without Condition; yet a Bill may be obligatory. Coke on Littl.
Till the Conquest, Writings were render'd Obligatory by
certain Marks of Gold Coeffice, Gr., The Norman first ja-

troduced the Cuftom of making Bills and Oligations with a Print or Scal in Wax fet to every one's Signet, attested by

Print or Scal in War, it to overy one sugget, attence of thece Wineffle. See Signa Yura, Sal., &C.
OBLIQUATION, in Capoptricks. Cubens of Obliquation, is a right line drawn perpendicular to a Mirror, in the Point of Incidence, or Reflexion of a Ray. See Catter year, Mirror, in Mirror, in the Mirror, in Catter year, Mirror, in Mirror, if.
OBLIQUE, in Geometry, formething a-flown, in-directly of that deviates from the Perpendicular. See Perference.

CULAS.

OBLIQUE Angle, in Geometry, is an Angle that is cither acute, or obtufe; i.e. any Angle, except a right Angle. See Angle. See Angle.

Obling Descripted Triangle, is that whose Angles are
Obling, i.e. either obtain or scare. See Triangle.

Obling, i.e. either obtain or scare. See Triangle.

obling in chief, a Line which falling on another, makes
an shipper Angle. See Line.

\$ C

oe fide obtule, and that on the other, acute.

OBLIGUE Plants, in Dialling, are fuch as decline from
the Zenith, or incline toward the Horizon. See DIAL-

Plant.

The Obliquity, or Quantity, of this Inclination, or Reclination, is easily found by a Quadrant; it being an Arch of fome Asimuth, or vertical Circle, intercepted between the Vertex of the Place and of that Plane.

This Asimuth, or vertical Circle, is always perpendicular

to the Plane. See DIALLING OSLIQUE Percuffin, is that wherein the Direction of the firiking Body, is not perpendicular to the Body flruck; or is not in a Line with its Center of Gravity. See Per-CUSSION.

The Ratio an allique Stroke bears to a perpendicular one, is demonstrated to be as the Sine of the Angle of Inence to the Radius.

OBLIQUE Powers. See Powers.

OBLIQUE Projettion, in Mechanicks, is that where a oldique Angle with the Horizontal Line. See PROJEC-

OELIQUE Sphere, in Geometry, is that whose Horizon cuts the Equator obliquely; and one of whose Poles is rais'd above the Horizon, equal to the Latitude of the Place. See SPHERE

"Tis this Obliquity that occasions the Inequality of Days and Nights. See Night and Day.

Those who live under an oblique Sphere (as we, and all those in the temperate Zone, do) never have their Days and Nights equal; except in the Equinoxes. See Equi-

NOX.

OBLIQUE offenfon, in Aftronomy, an Arch of the Equatus intercepted between the first Point of Aries, and that
Point of the Equature which rifest together with a Star, &c.
in an oldsme Sphere. See Ascension.

The oldsme Sphere, is each start of the Star of the St

the Sphere.

OBLIQUE Defension, an Arch of the Equator, intercepted between the first Point of Mile, and that Point of the Equator, which fets with a Star, Ge. in an disjust Sphere; and reckoold from Well to Eath. See Dracamator.

The Difference between the right and addingst Alcension, is call'd the Alcensional Difference. See Ascessional.

To find the OnLique Acceptan and Defection by the Glabe.

Onlique Sailing, in Navigation, is when the Ship is in fome intermediste Rhumb, between the four Cardinal Points; and thus makes an oblique Angle with the Meridian, and continually changes both its Latitude and Longi-

rude. Sec Runma. Oldique Sailing is of three Kinds; wis. Plain Sailing, Mercetor's Sulmey, and Great Circle Sulmy. See SAILING.
The Scamen also call the Application of the Mothod of calculating the Parts of ablique plane Triangles, in order to

find the Diffance of a Ship from any Cape, Head-Land, &Se. Onlique, Chiques, in Anatomy, is used, substantively, for several Muscles of the Head and Eye; particularly,

the Obliques Capais Major, or Par Obliques Inferint, the fixth Mufcle of the Head & fo call'd, because ferring to turn the Head affect their than sather its Origin nor Infertion in the Head. See Head.

It rifes fiethly from the external Parts of the Spine of the Major Capaign of the Head. fecond Vertebra of the Neck, and fwelling into

fecond Vertices of the Neck, and twelling into a flethy Belly, runs obliquely to the transverse Process of the first This fome rank among the Mufeles of the Neck. See

NECK. Onliques Capiti Seperier, or Minor, the feventh Muscle of the Head, which ipringing fleshy from the tranverse Processes of the second Verselva of the Neck, and second-

of the state of th

that of the fame Side. The two collique Muscles, by pulling the transverse Pro-cess, give the Head a semi-circular Motion. See Ven-

Ontiques Coali Superior, or Major, the fifth Mufcle of

the Eye. Sec Eyr.

the Eye. See Eyr.

It has its Origin in the upper part of the Orbit; whence tending upwards towards the inward Cambus of the Eye, it paffes thro's Carillage on the Bone of the Forebead, call! Tushleas, whence also the Muscle itself is call! A Trachlearis; thence it is reflected to its Termination in the Selevation, on the back part of the Ball of the Eye.

When this Muscle acts, that part of the Ball of the Eye is drawn downwards towards the Trockles, whereby the Pu-pil is directed downwards, towards the lefter Cambus, and at the fame time the whole Ball of the Eye formewhat out-

OBLIQUUS Ossil Inferior, or Minor, rifes from the exter-nal Margin of the lower part of the Orbit, near the inner Canabus; whence rifing towards the outward Canabus, it terminates near the other.

It draws the Ball of the Eye outwards, and turns its Pupil upward, contrary to the former.

Obliques Defendent, or Decliest, a very broad Pair of Muscles of the Abdomen, each covering one half thereof, and part of the Thorax; so call'd from the obligate Course of its Fibres. It arifes from the two last true Ribs and five of its Firsts. It arties from the two sait true Ribs and new fiparious ones; and is indented with the Servatas Major An-ties by five or fix Digitations, each whereof receives a Nerve from the Interflices of the Rib: It fprings likewife from the Margin of the Hims; and ends in a broad Tendon

in the Lines Alla.

Besides the ordinary Use ascribed to it by all Anatomists, which is to compress the Intestines and Bladder; Comper. and Gliffon attribute to it another, which is to turn the runk of the Body without moving the Feet

Trains of the body without moving the Feet.

OBLIQUEY, Meessers, Orderlist, its under the lower part of the former; running with a Course just contrary, from the lower part upwards. Its slicitly Fibres have their chiggs from the Edge of the Illium, and end at the fourious to the course of the Illium, and end at the fourious the course of the Illium, and end at the fourious the course of the Illium, and end at the fourious the course of the Illium, and end at the fourious the course of the Illium, and end at the fourious the Illium, and end at the Illium, Ribs. It terminates with a large double Tendon Lines Alles; the upper part whereof erceping over the Myl-culus Rellus; and the other creeping under it, and joining together at the Lines Alles; do, as it were, flows the

Its Use is to shut and compress the Belly, as also the Cavity of the Towns in Respiration; and it used its Antagonists, the Descendents, in turning the Body without ing the Legs

moving the Lega.

ObsIQUES drain, lies in the external Part of the
Canal of the Aqueduct; whence puffing upwards and backwards, it enters the Tympannum, by a very shipure Sinusofity
immediately above the Bony Circle, to which the Tympannum is fixed; and is inferted into the slender Process of

OBLIQUE Cafes, in Grammar, are all the Cafes of the Decleasions of Nouns, besides the Nomingtive. See

OBLIQUITY, that which denominates a Thing of-

takes occasion to suspect, that the real Obliquity of the eliptic itfelf may have been diminish'd fince the time of the antient Aftronomers.

antient Attronomora. He goes fo far, as even to far the Proportion of the Di-mination, which he makes to be at the rate of half a Mi-aute in fifty Pears. According to an antient Tradition a-mong the Egyptomu, mentiond by Housting, the Ecliptic was formerly perpendicular to the Equatur.

The Libertien of the Sphere makes found Alecrations in

The Libration of the Sphere makes flome Alterations in the Obligancy of the Ecliptic; 5 that Fieldpur eckons a great Obligancy of 23°, 55°; 5 a mean Obligancy of 23°, 42°, and a mean Obligancy of 23°, 42°, and a Dilay as Rechangle, or Farallelogram, is an Obligancy of Parallelogram, is an Obligancy of Carleston Annual Carlo and Ellipsis an Obligancy of Carleston Obligan

OBOLATA Terra, in our antient Law-Books, is a cer-tain Quantity of Land, which fome Authors fix at half an Acre 5 tho others make it but half a Perch. Thomasfa: fays, that Obolum Terre contains ten Feet in length, and five breadth. See FARDINGDEAL. OBOLUS, an antient Silver Money, of Arbens, the fixth

art of a Drachma; worth fomewhat more than our Penny.

See Dr. Achima, 3 rec alto Coin.

The Word comes from the Greek 1850.85, of 1850.15, Needlez either because it bore the Impression of a Needle3 or because, according to Esspachus; it was in form thereof. But those now in the Cabinets of Antiquaries, are round.

Obolus was also used among our Ancostos for half a Neble, or Florin; where the Noble was effected as the

Penny; and its quarter part a Farthing.

In

In effect, in the old Hittories and Accounts of Coins, we are to understand, by the Word Densities, the whole Coin, be it Angel, Rail, 15c. by the Oslobis is half; and by Quadens its fourth Part. See Monray.

"Docuse, in Mucleine, is used for a Weight of ten Grains; or half a Scruple. Do Cange fays it weighs three Carate, or four Grains of Whest. T Others divide the Other Carate, or four Grains of Whest. District fix Arcela; and the Arcela into feven Minutes.

Others divide it into three Siliqua, each Siliqua into four

Grains, and each Grain into a Lentil and half. See

GRAIN, Sc. Among the Scalians, Olelus was the Weight of a Pound. Among the Stotlams, Osless was the Weight of a Pound. OBREPTITIOUS, a Quality of a Letter Patent, or other Infirument beating Iome Evour, Title, or Concefing Iome Evour, Title, or Conceding Iome Infirument beating Iome Evour, Title, or Conceding Iom him the Truth, which was necellary to have been experted, to render it valled pop fold to Surreptitions, where four elithood has been experted in order to pro-

where fome Failnood has been expressed in outer to pro-cure it the more cashly.

Obserption annuls the Gran, wherever found.

By the Canon Law, a Person demanding a Benefice,
without expressing those he is already posteries of, forfeits,

Co. by the

ESC. by the Correptions.

OBRINESS, an Order of Knights inflituted in the
XIIIth Century, by Conrade Duke of Mazocus and Cajacins;
whom forme Authors also call Duke of Foliand.

He first gave them the Name of Knights of Julya Christ.
Their first Grand Madher was Brauss. Their chief End was

Their first Grand Mastler was Jones. Their chief End was to defend the Country from the Prafigar, who were yet Idulaters, and committed great Charline.

The Property of the Practical Section of the Rights could get out in the Order became a fields, and was foon Supprefixed. Upon this, Gornoca cill din the Tomer Knighns. Sec Tavrovar Order.

ORSCCHA Comme. Sec Causars, a Jones.

OBSCURA Clare. See CLARO bljent

OBSCORE, (more thing that is dark, or that only admits a little Light. Sec Loavs and Startow.

Osseons is also ated in a figurative fense, for a thing that is not clear, experis, and intelligible; that one does not fully apprehend; or that may be construed in divers not fully apprehend;

Senfes.

CLEAR Notice, or Idea. See Novion and IDEA.
OBSCURITY, that which denominates a Thing observe.
Obscurity is a Fault that may either be in the Percepor Diction

tion, or Diction.
Objeanty in the Perception, artifes chiefly hence, that we do not conceive Things as they are, or as we find them; but as we judge them to be, e're we know them: fo that our Judgment precedes our Knowledge, and is made the Rule, or Standard, of our Conceptions. Whereas Nature and Realing direct, that Things should be judged of ac-Rule, or Standard, of our Conceptions. Whereas available and Reason direct, that Things should be judged of secording as they are known; and that they are to be known, not as they are in themselves, but only in such manner as

Good was pieca'd to have them known.
Oblawity in the Dilbam, may artic, firth, from the Ambiguity of the Senfe; fecondly, from the Figures or Ornaments of Rheorie; thirdly, from the Novelty, or Obfolerencis of the Words.

OBSECRATION, in Rhetoric, a Figure whereby the Orator implores the Affidance of fome God, or Man. See

This Figure Cicero makes admirable use of, for K. Deiotarus to Cefar Per Dexteram te isiam are, quam Regi Deistaro bospes, bospiti parexissi: Istam impaam dexteram non sam in bello E in prelus, quam in promisso E sidem sumorem. -Thus Virgil:

> Qued to per Culi jucundam lumen & Auras Per Gentterem ere, per Spem surgentis Iuli Eripe me bis inville malu

OBSEQUIES, Faneral Salemnities, or Ceremonies per-formed at the Burials of eminent Perfonages, See Fu-

The Word is derived from the Latin Objequism, Obedience 3 these Objequies being the last Devoirs we can render e Deceased.

OBSERVANCE, literally denotes the Act of electroing A Rule, Law, or Ceremony.

Hence the Term is fometimes also used for a Rule, Statute, or Ordonance to be observed.

Statute, or Ordonance to so egress.

OBSERVANCE, OBSERVANTIA, is particularly underflood, in a Monaffic Senfe, of a Community of Religious, who are tied to the perpetual Observation of the fame Rule. In which fenfe the Word coincides with Congregation, or Order. See ORDER, &c.

The Cordeliers denominate themselves the Religious of Observance; the great and the leffer Observance. See CORDELIERS. Among the Bernardines, there are Monks of the finit-Observance, who can nothing but Fish. See Bernar-

OBSERVANTINES, Religious Cordeliers of the 05-

feronnet. In Saint, there are bure-inord Olfermaniet.

OBSERVATION, in the Sca-language: The Seamen call an Olfermanien the taking the Sur's, or any Star's Meridian Altitude, in order thereby to find their Latitude.

See Mayer. Altitude.

Sec MERIDIAN Altitude.

For the Method of making an Olfernation, fee Laft-

The finding of a Latitude from the Meridian-Altitude observed, they call working of an Observation. OBSERVATIONS in Affronomy, for CELESTIAL Objer-

OBSERVATORY, a Place deflined for sofering the

Heavenly Bodies; or, a Building ufually in form of a Tower, raifed on fome Eminence, for making of Attronomical Observations. mical Obtervations.

The more celebrated Objernatories, are, s. The Greenwish
Objernatory, built in 1676, by Order of King Charlet II. at
the folicitation of Sir Sauss Moor and Sir Chylippher Weet s,
and furnished with the most accurate Infiruments by the

and lirenified with the most accurate Influences by me lame; particularly en bole Sextant of 7 feet Radius, with Telefope-Sights.

The Perfox to whom the Province of Obferring was first committed, was Mr. 3. Flausflead; a Man, who, as for the province of the province was the province of the province o

Moon, as was given him in charge; that a new Theory of that Planet, exhibiting all her feregularities, being found, the Longitude might thence be determined.

the Longitude might thence be determined.

In the Year 1569, having provided himfelf of a Martal-Arch of y feet Diameter, well fix'd in the Plane of the Merisian, be began to verify his Catalogue of the Kord Start, which hitherto depended altogenher on the Diffunces meanined with the Sextant, after a new and very different Manner, see, by taking the Meridian Altitudes, and the Moments of Culmination, or the right Afcension and De-This Inftrument he was fo pleas'd with, that he laid the

This instrument he was to plear'd with, that he laid the use of the Sextant almost wholly aside. Thus was the Aitronomer Royal employ'd for thirty Years; in the Course of which Time, nothing had appear'd in public, worthy to much Expense and Preparation: So that the Observer seem'd rather to have been employ'd for his own Observer reem dratter to make been employ a for his own fake, and that of a few Friends, than for the Public; tho it was notorious, the Observations that had been made were very numerous, and the Papers swell'd to a great

This occasion d Prince George of Denmark, in the Year 1704, to appoint certain Members of the Rayad Society, viz. the Honoutable Fr. Roberts, Six C. Ween, Six I. Neurous, Dr. Gregory, and Dr. Arbathros, to inspect Flamificad's Papers, and chuse out of them such as they should think fit for and current of the ment from at the own Expence. But the Pattoo of the Work dying, e'er the Imprelion was half faithful, it lay fill for lone time; till at length is was refum'd by order of Queen some; and the Care of the Prefs committed to D. Absthon; and that of Correcting,

Prefe commiració Dr. Abbebses 3 and that of Carcellag, and fuplying the Capy, to Dr. Islay.
Sud was the Kife and Progent of the Highest calefility a Sud was the Kife and Progent of the Highest calefility.
Sud was the Kife and Progent of the Highest calefility and the Highest calefility of the Highest Carcellage. The Greenwah Oliverstory is found by very accurate Observation to lie 1st; "8.3", p.s." North Latitude.

The Greenwah Oliverstory is found by very accurate Observation to lie 1st; "8.3", p.s." North Latitude.

It is a very inquality, but withall a very magnificant Building 3 the Deligo of M. Fermals. "It is for the plant and sup in a Terms. "The here M. de I live has been and along in a Terms." The here M. de I live has been and along the Contract Oliverstory 1st," at West.

In it is a Care, or Callin, 19 feet defent, for Lapprille Lin is a Care, or Callin, 19 feet defent, for Lapprille M. Start of the Care of Calling, 19 feet defent, for Lapprille M. Start of Calling, 19 feet defent, for Lapprille M. Start of Calling, 19 feet defent, for Lapprille M. Start of Calling, 19 feet defent, for Lapprille M. Start of Calling, 19 feet defent, for Lapprille M. Start of Calling, 19 feet defent, for Lapprille M. Start of Calling, 19 feet defent, for Lapprille M. Start of Calling, 19 feet defent, for Lapprille M. Start of Calling, 19 feet defent, for Lapprille M. Start of Calling, 19 feet defent, for Lapprille M. Start of Calling, 19 feet defent, for Lapprille M. Start of Calling, 19 feet defent, for Lapprille M. Start of Calling, 19 feet defent, for Lapprille M. Start of Calling, 19 feet defent, for Lapprille M. Start of Calling, 19 feet defent of Calling, 19 feet defen

larly fuch as relate to Congelations, Refrigerations, Indurations, Confervations, &c. 2. Tycho Brabe's Observatory was in the little Island Ween, or Searlet Island; between the Coasts of Schonen and Ze-

land, in the Baltic. It was crected and furnished with Inflruments at his own

Expence; and call'd by him Uranibus.

Here he fpent twenty Years in observing the Stars. The Refult is his Catalogue. See Catalogue.

Mr. Gordon, in Phil. Trass. observes, that this was none of the fittest Places for some kind of Observations, particularly the Rifings and Settings; as lying too low, and being land

ock'd on all the Points of the Compass but three ; and

locked on all the Founts of the Compass out three § and the Land-Herizon exceedingly ranged and eneven. 4- Pekin Objernstory. Pather Le Compass deferibes alvey magnificent Objernstory erecked and familified by the late Empertor of China, in his Capital, at the Intercellion of fomo Jeflut Miffionaries, chiefly Father Venkeyl, whom he made his chief Observer.

made his chief Oblerver.
The Infirements are exceedingly large; but the Divifions lefs Accurate, and the Contrivance, in fonne respects,
lefs Commodises than those of the European. The chief
are an Armillary, Zodisad Sphere of the Part feet Distinctor,
an Equinochia Objeter of the Distinctor, an Equinochia Hortison of Geet Distinctor, a large Quadrant of feet Radins, and a Celettial Globe of feet

Diameter

Diameter.

OBSESSION, the Action of being befet by an Evil.

Spirit; which, without entring the Body, tortunents, and, as it were, befieges the Perlon without: In which it differs from Poffsform. See Possession.

The Marks of Objectors, according to forme, are a being heitled into the Air, and thrown violently down without the part of the printing Laurance and the parts. (Perlon Possession and the Possession and the Possession and Posses

hossed into the Air, and thrown violently down without being hur; speaking Languages neer learn; a buring an Averient oal li Aits and Offices of Religion, Es. Some Physicians look on all Cafes of Opigion as Natu-ati, and carable by natural Meditanes, particularly an Un-gent Ell'à Unguenne Carribers, with Pargatives, or Vomitives.

Vomitives.

Of this Opinion is Doctor Gabriel Clauder, Member of the Leopalaine Academy; which he fitrengthens with the Tellimony of Fromannia, in his Treatife de Figliantiamons; Ganflar de Corallis, who observes, that it has been confess de the Corallis, who observes, that it has been confess de the Corallis of Secretary that the Piece Milleria by many Witches and Sorcerers, that the Plant Milleptrius,

Hyperiess, and other Simples, &c. incommode them ter-ribly, and prevent their Operations, He confirms this Sentiment hence, that the Devil in those he thus befets, makes use of the Melancholic Humour those he thus beletz, makes also at the Melancholic Humour or the arra Billi, and the groffer Impurities of the Blood, without always acting immediately of himfelf. For which he refers to the Books of Melabior Schoins and Jeros Gradon, and Dission is busines; an adjust the Process of a Care of a manifelt Objegins of a Child of a Year old at Delinjebeborg, when the action of the Carlon of the

manifel Osfgins of a Call of a Lear old at Designossing, three Leagues from Leiplic.

OBSIDIONALIS, an Epither the Resease gave to a fort of Coom wherewith they honour d fach of their Generals as had delivered a Reseas Army befugged by the Enemy, and had obliged them to decamp. See Grown.

It was also call'd Graminea, because made of Grass, or It was also call a Uramma, pecante made of Grals, or Herbs found on the Spot, or Soil.
"Twas the Soldiery who beflow'd this Crown; which, doubtlefs, was the reason of its not being of a more pre-

cions Matter. The Word comes from the Latin Olylifo, Siege.

OBSTRUCTION, in Medicine, a lett or ftoppage of
the Paffage of the Humours in the Body of an Animal. See

DISEASE

Objertions are supposed to arise from the gross Parts of the Blood, detain'd in the Extremities of the Vessels, and

thus blocking them up. Some Phylicians doubt whether there be any fuch thing as Obliradions in the Viscera ; and rather attribute the In as Objinstions in the Viscers, and rather attribute the in-conveniencies of deally affective to Objinstions, to the Acrimo-nics and Crudities of the Stomach: But their Reasons are not convincing. "Tis true, Objinstions may not perhaps be to frequent as is usually supposed; and many of the be 60 frequent as is ufually in proiced; and many of the Symptoms affectibled to them, are doubtled; owing to Difference of the Stomach; but then there's no denying that there are any objections at all in the Viferes, &c. Schirturs's, and other kinds of Tunmart are incontellable Proofs hereof. See Tunous, Schizarus, &c. Colfinations frequently prove the Caufes of Dropfics. See

DEOFS.

OBTURATOR, in Anatomy, a Name given to two Mufcles of the Thigh; by reason of their flustring, or covering up the Foramen or Aperture between the Or Fulling and the Hip-Bone.

The Observator internat and marjapialis are the two Parts, or Divisions that make the Genius. See GEMINI and MAR-SUPIALIS. The Olsurator externus arifes fleshy from the exterior Mar-

gin of the Or Pulir and Ifchiam, and is inferted tendinous at the Root of the great Trochanter.

OBTUSE literally imports blant, dwil, &c. in opposition to arate, fharp, britk, &c. See Acute, Uc.
Obtuse Angle, in Geometry, an Angle of more than o Degrees, i. c. more than a Quadrant of a Circle; or an Anele greater than a right Angle. See Angle.

Outure-Angled Triangle, is a Triangle one of whose

See TRIANGLE. Angles is eden's. OBVENTIONS, OSVENTIONES, in our antient Law-Books, fignify Offerings.

Sometimes the Word also fignifies Rents, and Revenues Sometimes properly of Spiritual Livings.

OCCASIO, in our antient Law-writers, is taken for a Tribute which the Lord impofes on his Vaffals or Tenants, hd hence Oessfirmari lightifies to be charged or loaded

And utter very with Payments of Canet, Es. fee Cause, Es. OCCABION AL Canet, Es. fee Cause, Es. OCCIDENTAL, a Term used chiefly in respect of Commerce, to diffinguish Commodities brought from the West-Indees, i. c. America, from those brought from the East-Indees, which are faid to be Oriental. See ORIEN-

In this fenfe we fay, Occidental Beyaard : fee Bezoann. Occidental Pearl; fee Pinni.

OCCIPITAL, in Anatomy; a Term applied to the Parts of the Occipus, or of the hinder Part of the Head. See Occieur.

Occipirate Bone, tee Occipiris bis

OCCIPITALES, or Occipitat Mofeler, are a Pair of Muscles of the Head, whose Origin is in the same Place with that of the Frontiales, i.e. in the upper Part of the Head hear the Vertex, but which go a quite opposite Course, vie.
from before, hindwards, and are inferted into the lower
Part of the hairy Scalp, or Skin of the Oxipat, which they ferve to oraw upwards.

Dr. Drake observes, that the Occipitalis and Frenissis are one continued digastric Muscle on each fide; that Pare call'd

the Ocerpitalis, atter a finall Afcent, becomes a thin Tendon. and marches over the whole Bregma, where it divides; the one Part going on to the O' Dayale, the other, growing Belhy, acquires the Name Frontalis. See FRONTALIS.

OCCIPITIS O, or Os perer, in Anatomy, the fourth Bone of the Cranium; 5 to call'd from its fiteation in the Oc-

aput. See Occipur. "Tis the hardeil and thickeft of all the Bones of the Cra-Its Figure is triangular. In new-born Children it is

divided into four; but grows up, and becomes one in It is join'd to the Boncs of the Sinciput, at the Lambdaidal

stare ; as likewife to the Petrofa, and O: Sphensides at the Sphenodal Satur The Parts of this Bone are either felid, or hollow, i.e.

empty. The folid are two Proceiles, call of twense. In the folion Parts are either Forensina, or Sinse's.

The Farensina are either Common, or Proper: The Common are two, one on each field common with the Offse Petroja, affording a Pallage to the Nerves, Far Vagaws, and the internal lugglar Veins.

Petryia, astorting a Panage to the Nerves, Far Fagues, and to the internal Jugular Vetens.

The proper Farasina are five: The first is very large, and three this it is that the spinal Marrow passes. Two others give passage to the Nerves of the Tongue, and the

two last an entrance to the cervical Arteries. See Nenve, &c. It has two large Snus's within-fide, for the reception of the two Hemispheres of the Grebellow. See CHREREL-

t.uM. LUM.
On each fide the Formains which give Paffage to the fpical Marrow, is alcally a Proced lined with a Cartilage of articulated with the first Foreston of the Nock. In lieu of this, is fometimes only a Promisence of the Bone; which or the Process where 'is found, receives the 1eferious of or the Process where 'is found, receives the 1eferious of

the Muscles of the Head, whereof there are ten, wie the the Mucles of the Head, whereof there are ten, whe, the Par fplenhow, Par complexum, Par rellum majus extremon, Par rellum manus externium, Par obligmum juperum, Obligmum interius, Par balfoulcom, Rellum internum majar, Rellum in-ternum manus, and Rellum laterale; each of which fee in its proper Place. OCCIPUT, the hinder Part of the Head, or Skull; or

the Part wherein is the O: Occipits. See HEAD, CRA-NIUM, EG Sculterus observes, that the Cauterization of the Occiput

is very frequent in many Places.

OCCULT, fomething feeret, hidden, or invifible.

The Occult Science are Magic, Necromancy, Cabbala,

Un. See Magic, Ec. ogrippa has feveral Books of Oscult Philosophy, full of the

wanelt, widett Decams; and Fluid nine Volumes of the Caldula, or Occalt Stience, wrapt up under Figures, or Hebreu Characters. Weak Philosophers, when unable to discover the Cause of an Effect, and unwilling to own their Ignorance, say is atises from an oreast: Virtue, an occust: Cause, an occust Qua-

See QUALITY, Ec.

By. See Quality. Ed.
Occur, in Geometry, is used for a Line that is feared perceivable, drawn with the Point of the Compaffer, or a black-lead Penell. See Line.
Occal, or dry Lines, are used in several Operations; as the ratifing of Plans, Designs of Building, Pirect of Perfective, Ed. They are to be effaced when the Work is

finished GLI OCCULTI, of Brefeis, in Italy, are the Academifts of that City. See ACADEMY.

OCCULTATION, in aftenomy, the Time a Star, or Planet, is hid from our Sight in an Eclipfe. See Eclipse. Gred of perpend Occurration, is a Parallel in an oblique Sphere, as far dilitant from the deperfield Fole, as the Fole is from the Equator. Retween this Line and the Fole, all the Stars contain?, denoter rife; but lie continuity hid under the Horizon of donewer rife; but lie continuity hid under the Horizon.

the Place.

OCCUPANCT, in the Civil Law, is the Peffellion of fuch things as at prefent belong to no private Perfoxs, but, however, are expable to be made fo; as by fein go raking of Spoils in War; of things wild by Nature, as Eirds, and Beatis for Game, &c. or by finding things before undifferenced, or truly loit, or loit by their proper

OCCUPANT, in Law. If a Tenant hold Lands, &c. for the Term of another's Life; and such Tenant die firit, leaving that other to survive; he that first energy to hold that Termout, is call'd an Occupant, by reason his Title

that fermout, is care an occopion, by reason his friend common by the first Occupation. So if a Tennan for his own Life, grant over his Efact to another; if the Grantee dies, there shall be an Occopion. OCCUPATION, in Law, the putting a Man out of his Frechold in time of War. This is all one with the Differin in time of Peace 3 only that the former is deem'd not fo great an Officace. See

The Word is also wied for the Holding, Tenure, or Possession 3 as when it is said, such Land is in the Tenure or Occupation of such a Man, that is, in his Possession. See Pos-

SESSION . OCCUPATIONS, in the Statute de Bigama, are taken for Ufurpations upon the King, by uting Liberties or Franchifes a Person is not entitled to.

As an unjust Entry upon the King into Lands and Tene-ments, is call'd an Introfien 3 fo an unlawful ufing of Fran-

is call'd an Ocer parisn. chifes, is call'd an Occipation.

OCCUPAVIT, in Law, a Writ that lies for him who is ejected out of his Land, or Tenement in time of War 3 as a Novel Deficifin lies for one ejected in time of Peace. See DISSEISIN.

OCEAN, the grand Sea, which encompasses or invests the whole Earth. See EARTH and SEA.

The Ocean is that valt Sea wherein rac two grand Contments known to us, the new and old, are inclosed like Mands. See Continent, Se.

By Computation it appears, that the Ocean rakes up confiderably more of what we know of the terreficial Globe, than the dry Land. See TERRAQUEOUS-Globe. Dr. Keell computes the Surface of the whole Ocean to be

85490506 Square Miles; to that supposing the Depth of the Georg at a Medium to be \$ of a Mile, the Quantity of

Water in the whole will be eggra a mile, me Quantry or Water in the whole will be eggraficated. Yet Dr. Barnet computes that all the Waters in the Ocean were not fufficient to drown or overflow the dry Lind fo high as the Scriptures fay it was at the Delage. Seven or eight forem, according to him, would leate bave fufficed. See DELUGE.

See DELIVOE.

The Ocean penetrating the Land at feveral Streights, quits its Name of Ocean, and affumes that of See, or Gulf; to which are utility added forme Epithet to dillingoish it; as Mediterrancen-See, Perfatu-Gulf, See, See St. a. and Ourse. In very naturow Places it is called Streights, Sums. See

STREIGHT.
The Occur takes different Names according to the divers Countreys it borders on ; as the Ernife Ocean, German O-

ocan, 8cc. According to Mary, the Ocean may be commediously diwided into Seperior, or Upper; and Inferior, or Lower.

The Upper Ocann, which the Antients call'd the Ex-terior, as environing all the known Parts of the World, he fubdivides, according to the four Cardinal Points, into the

Northern, Saulern, Easten, and Vestern.
The Northern Ocean, call dusto Glacial, Frozen, and Seytian, is that Part of the Upper Ocean next the North-Pole, bounded on the Sooth with the Archie-Circle, and the Northern Coalts of Europe and Au, and on the North with the onknown Lands about the Pole.

"Tis call'd the ley, or Frozen Osean, because these who have attempted a Passage thro it to China, &c. have always been stopy'd with the lee; and Scythian, because washing

the Coasts of Scythia. The Western, or Atlantic Orean, is that Part of the Grand Ocean which washes the Western Coasts of Europe and Africa, extending from the Arctic Circle to the Equinoctial.

Southern, or European Ocean is that Part reaching from the Equinoctial to the unknown Antarctic Lands. Endern, or Indian Ocean, has its first Name from its Situation to the East ; as its latter from India, the chief Country it washes.

It reaches from the Coast of Jian to the Isle Jax Larrens, i.c. of Threeen

The Inferior, or American OCEAN, is that vast Part of the Grand Ocean which washes the Coates of Austrea; unknown, in great meafare at leatt, to the Antients. It is divided

into three Parts, v.o.

1. The North Sta, which weffice the Eastern Coafts of America, from the Archie-Circle to the Tropic of Cop) icorn.

a. The Magellanic-Sea, extending from the Tropic of Ca-3. The South San, or Pacific, which washes the Western Coasts of America to the East, as star as the file of Therees a and from South to North from the Tropic of Copresen to the Land of Seffe.

For the Saltneys of the OCEAN, fee SALTNES

Fri the Salfrey of the OCRAN, 10c SALTNESS, by the That selferord in the OCRAN, 10c TIDES. Phil. Suchin, in 1664, printed a Differation entitled, Oceans Merconjunen, declared to Martisles, wherein he shows that there is a circular Motion in the Waters, like that of the Blood in the human Body: That they all come from the Ocean, and return rhither again. The Thought come from the Oceas, and return thirther again. The Thought is soloment, beefel, ch. 7. See Varous, Senno, 35c.

The word Ocean comes from the Latin Oceania, of the Greek agastic, which Easthatin tetches from a John pear, to flode fwiftly. Others fay, the Greek's borrow'd is from the Remission which Cliff the Ocean to the Come of the Come o

to liste twittiy. Others Jay, the Greeks borrow'd is from the Pszwiszens, who call'd the Circamference of the Geass O<sub>Bs</sub>, from the Iteleven NT Hissg, Circuit, Ambis. OCHLOCEATIA, a Form of Government, wherein the Populace has the whole Power and Administration in its own

The Word comes from the Greek sxx@, Multitude, and

The works and the second of th

rete. OCTAGON, in Fortification, is a Place that has eight

Ballions. See Bastion. CCI AHEDRON, in Geometry, one of the five Regu-lar Bodies, confitting of eight equal Faces, or eight Equi-lateral Trangles. See REGULAR Early.

interal Transgics, See KEOULAR Easy.

The GBakwish may be conceived as confifting of two
Pyramids put rogether at their Bafes. See Pyramid.

In Salidity therefore is had by multiplying the quadrangular Bafe of either, by one third of the perpendicular

Height of one of them; and then doubling the Product.

See SOLIDITY. The Square of the Side of an Offabedren is in a fubduple ario of the Diameter of the circumferibing Spher

OCTAHET ERIDES, in Chronology, Cr. the Space, or Dorarion of eight Year

Leveration or right Leves.
The Word is found from the Greek lanusuele, composed of some, Right, and \$13. Xex.
OCTANT, or OCTLER, in Africanomy, an Afrect, or Position of two Planes, Sc. wherein their Places are distant an eighth Tart of a Grile, or 45 Degrees, from one another, Sc. Aspect.

CCTAPLA, a Term in the facred Learning, ufed for a kind of Polysier Bibles, confitting of eight Columns. See

In the 1st Column was the Hebrew Text in Heb ew Chatactors ; in the ad, the fame Text in Greek Chatacters ; in the 3d the Greek Version of Aprila ; in the 4th that of Symmachus; in the 5th, the Septuagest; in the 6th, that of Theaderies ; in the 7th, that call'd the fifth ; the last was that call'd the fixth.

BISLE and POLVOLOT.

Origes was the Author of the Offapla, as well as of the Terapla, and Hexapla. See HEXAPLA, &c.

The Word implies fomething with eight Rows, or Co-

OCTATEUCH, in the facred Literature, is used for the eight first Books of the Old Testament; viz. Genesis, Executes, Leviticus, Numbers, Deuteronomy, Jestunb, and

Procepius of Gaza, has ten Commentaries on the Office

OCTAVE, in Mutic, an harmonical Interval confisting of 8 Tones, or Degrees of Sound. See INTERVAL and DEGREE The most simple Perception the Soul can have of true Sounds, is that of Unifon; in regard the Vibrations there be-

gin and end together. The next to this is the Office; where-in the more acute Sound makes precifely two Vibrations, in the more scare Sound makes precifely two Viduatons, while the graver of deeper makes one; and wherein, by confequence, the Vibrations of the two meet at every Vibration of the more grave. See Tune, Gravity, Sic.

Henco Unifon and Offace pais almost for the fame Concord. See Unison

Hence also the Proportion of the Sounds that form the Office are in Numbers, or in Lines, as 2 to 7: so that two Chords or Strings of the ame Matter, Thickness, and

Tension, one whereof is double the length of the other, produce the Offace. See Choro.

The Offace is call'd by the Antients Dispafan, because containing all the fimple Tones and Concords; all of which derive their Sweetness from it, as they arise more or less Sec CHORD

really out of it. See Concord.

To be just, it must contain distonically 7 Degrees, or Intervals; and consequently 8 Terms, or Sounds, whence its Name, Offsee.

The Octore containing in it all the other simple Concords, and the Degrees being the Differences of these Concords; it is evident the Division of the Offare comprehends the Divifion of all the reft. See System.

By joining, therefore, all the fimple Concerds to a com-mon Fundamental, we have the following Series:

Again, the Syftem of Offare containing all the original Concords; and the compound Concords being the Sum of Offare, and forme lefter Concord; in order to have a Series to reach beyond an Offare, we mail continue them in the to reach beyond an Offane, we must continue them in the fame Order thro a fecond Offane, as in the first; and so on thro a third and fourth Offave. Such a Series is call'd the

Scale of Music. See Scale. The the Composition of Officers may be carried on infiniely, yet three or four Offarers is the greatest length we go in ordinary Practice. The old Scales went no further than two, or at most three Offarer, which is the full compass of 1900, or at most tarce Obbases, water as the tast compais of the Obbases, yet after the third, the Agreement diminishes very fish; nor do they ore go, for at one Movement, as from one extreme to the other of a double or triple Obbase; leftdom beyond a fingle Obbase. Nor is either Voice or Inframent well able to go beyond. To form a fourth Obbase, if the acuer String be half a Foot, which is but a small Length to give a clear Sound; the longer must be eight Foot, If then we go beyond the longer must be eight Peet. If then we go beyond the fourth Offsee, either acute Term will be too fhort, or the grave one too long.

The Offers is not only the greatest Interval of the lever original Concords, but the first in degree of Persection. As it is the greatest Interval, all the less are contained in it: As it is the greatest interval, an true sets are contained in it: Indeed, the manner wherein the left Concords are found in the OBare, is formewhat extraordinary; size, by taking both an harmonical and arithmetical Mean between the both an harmonistal and arithmetical Mean between the Extremes of the Offare, and then both an atthmetical and harmonical Mean between each Extreme, and the most diffiant of the two Means last found; i.e. between the left Extreme and the first arithmetical, and between the greater Extreme and the first damagnetic Mean, we have

greater extreme and the first narmonical rdean, we have all the leffer Concords. See Concord. Mr. Malcolm observes, that any Wind Instrument being over-blown, the Sound will rife to an Others, and no other Concord 3 which he aferibes to the Perfection of the Oliste,

Concord 3 when ne actions to the critical or in Chinace.

From this fample and perfect Form of the Offines, artical this peculiar Property, that it may be doubtled, ripled, 5%, and till be Concord 3 i.e. the Sum of two or more Offiness are Concord; tho the more Compound, gradually, the left agreeable. He adds, there is that Agreement between its Extrement, that whatever Sound is Canord to one Extreme.

Extremed, that whatever Sound is Concord to One Extreme of the Offane, is fo to the other.

Des Caree, from an Observation of the like kind, vie. that the Sound of a Whittle or Organ-Pipe, will rise to an Offane, if foreibly blown 5 concludes, that no Sound is heard, but its acute Offane feems forneway to echo or re-

heard, but its act OCTAVE, or OCTABIS, in Law, the 8th day after any Feath, inclusively.

Feath, inclusively.

Among the Ramanills, Ollave is used for the Space, or Period of 8 Days allow'd for the Celebration of a Feath, or Service in commemoration of some Saint, or on other solemn Occafinns.

Easter, Whisfontide, S. John Baptill, S. Laurence, phany, the Dedication, Sc. are celebrated with Offares, The Office in the Offare is femi-double.

The Utice in the Utice is term-could.

OCTIL, or OCTANY, in Africogy, an Afpect of two
Planets when diffant from each other by an 8th of the
Zodice, i.e. a Sign and brif, or 45".

OCTOBER, sizh 8th Month of the Year, in Rossalan's
Calendar 3 tho the roth in that of Nossa, "Jalus Cofer, &c.

See MONTH, CALENDAR, &c.
It hath always retain'd its first Name, in spight of all the Is hash always crain'd kin firlt Name, in Fight of all the different Names the Sense and Roome Empercise all the discrete Names the Sense and Roome Empercise and bave given it: For the Sense order'd the Honth flouid bave given in the Sense of Roome the Empercy. Commond would bave had it bear the Name of Irritles; and Domitair made it be call'd Domitairest according to his own Name. OCTOSTIE, in the author Architecture, the Face of Schildings of Colonautre, constituing 8 Columns.

The 8 Columns of the O3etiyle may either be difpoded in a right Line, as in the Pfeededpreve Temple of Virasian, and in the Residency of in a Circle, as in the round Managerer Temple of Apolio Python as Delphi, 8c. OCTO Tales, fee TALES.

OCTO ARES Dente, or Cynsidents, the Eye-Teeth 5 fee

Trere

OCULI Caneri, fee Cr. A. Es-Eyes.
OCULI, Eyes, in Borany, the Gemme, or Buds of a
Plant jun putting forth, or the Knots out of which the Buds arife. See Eup and Germ; fee also Pruning, En-CRAFTING, &c.

OGULUS, in Anatomy, fee Evs.

ODA, in the Turkylo Scraplio, figuriles a Claft, Chamber, See SERACLIO The Grand Signer's Pages are divided into five Claffes or

Chambers, call'd Oda. See Pages are unvaled into nve Ciaffes or The firth, which is the loweit in Dignity, is call'd the Great, from the Number of Persons that compose it.

Great, from the Namber of Perfoss that compose to.
These are the juniors, who are raught to read, write,
and speak the Linguages; which are the Lirely's for this
performance of the performance of the performance
by reason of the larely of the Pergole who speak it.
The Scenal is called Lindle; where, from the Age of 14
e or 3 y Cart, the Yearth are trained up to Arma, and
which year the performance of the Sundy of fach polite Learning as the Lirely are acquainted
which if you Longie, Arimments, O Gomerry, and a withing to see Longie, Arimments, and

Aftrology. In each of these Chambers, is a Page of the Privy-Cham-ber who commands them, as the Prefects in the Colleges

of the Jesuits. of the Jetute.

The third Chamber call'd Kilar-Oda, comprehends two handred Pages; which, befide their other Exercifes, are commanded by the Kilering Bachs, for the fervice of the Buttery and Fruitery. (8) of tractive from which waders by the control of the structure of the structure.

Buttery and Fruttery.
The tearth only conflit of twenty-four, which, under the
Khauneda-Bach, take care of the Treasure in the Grand
Signor's Apartment, where they never enter with any
Clotheson that have Pockets.

The Conflict Activated in Prime Chamber and

Clotheson that have Peckets.
The fifth is cull'd XBar-Joha, i. e. Privy-Chamber, and confilts of ferry Pages, which attend the Emperor's Bed-Chamber. The first of this Chamber is called John-Ber is falled John-Ber is called John-Ber is called John-Ber is called John-Ber is called John-Ber is he Eight of the Figure Appearance of the John-Ber is the Emperor's Bed Chamber. They are putted in feweral Places, form energe lim, other farther off, according to their degrees in the Chamber. They are to take care the Light kept confiantly in the Chamber, don't glare in his Eyes, and awake him; and if they find him ditturb'd with any troublesome Dream, to take care he be awaked by one of the Aga's.

ODABACHI, or ODDODASSI, an Officer in the Tarkifs Soldiery, equivalent to a Serguant, or Corporal among

The common Soldiers, and Janizaries call'd Oldackis, after having feev'd a cersum Term of Years, are prefers'd, and made Sipselars; and of Supedars in time become Odd-backs's, a. c. Carporals of Companies, or Chiefs of certain Distinguis, whose Number is not fix'd, being founceimes

Ditutods, wrote accuracy. There is a first proper of the p

Ode, in the modern Poetry, is a Lyric Poem, confifting of long and thort Veries, dittinguish'd into Stanza's, or Stropber,

long and fhort Verice, dittinguilly d into Amass's, or Strepher, wherein the farm measure is preferred throughout. The Word comes from the Greek & 19, Strepher, the O e of the Anients, Yoğin obleves, had a regular Reusm of the fame kind of Verfe, and the fame Quantity of Syllables in the fame Place of every familiar Verfo e Bat there is nothing (fays be) but confision of Quantity it is in the modern Ode's j to that to follow the natival it is in the modern Ode's j to that to follow the natival " Quantity of our Syllables, every Stanza will be a different

"Sung,"

"Sung,"

"But and have obter'd, bowever, that all the surface."

"The Modern have for flack ited. But he preceder."

"The Moderns have no regard to the natural Quantity of the Syllables, and have introduced to annatural sand barbar
ross Variety of long and flort Notes, which they apply without any regard to the natural Quantity of the Syl
lables: fo that it is no wunder our vocal Wafe have no effect." if Proc. Corta. So of Varsas, Vocat. Moffe, QUANTITY, E.

Among the Antients, Ode fignified no more than a Song; with us, they are different things. Their Oder were gene-rally in honour of their Gods; as many of those of Pin-

our nut trever: a countymes on orner subjects; as thefe of American, Saple, Sc. The English Odes are generally composed in praise of Hero's and great Exploits; as these of Pries, of Welfled,

The diffinguishing Character of the Ose is Sweetness's:
The Poer is to footh the Minds of his Readers by the
variety of the Verfe, and the delicacy of Words, the
heauty of Numbers, and the description of things most
delightful in themselves. Variety of Numbers is effectival to ic Ode

the Ode.

At first, indeed, the Verse of the Ode was but of one kind; but for the lake of Pleasure, and the Music to which they were sings, they by degrees so wated the Numbers and Feet, that their kinds are now almost inconceasile.

One of the most confiderable is the Pindovic, diffinguish'd by the Boldens's and Rapidity of its Flights. See Present DARIC.

The antient Ode had originally but one Stanza, or Strepace 5 out was at 1811 division into inter rates. The Stra-pec, Smiliprobe, and Epode 5 the Prictis going round the Altar, finging the Praife of the Gods, call'd their first Entrance Orophe, i.e. turning to the left 5; the fectoral, turning to the right, they call'd Smiliprophe's i.e. return-ing. And accordingly, the Song, in those different Places, was call'd Ode and Epode. See Structure and Autriaryan-

Laftly, flanding ftill before the Alter, they fung the reainder; which they also call'd Epode. See Erons

mainder 3 which they affocall'd Epote. See Ero D. .

ODE UM, among the Antents, was a Place destined for the Reheartia of the Multis to be fong on the Theatre.

The Reheartia of the Multis to be fong on the Theatre.

The Reheart Epote of the Multis of Officer and Antender of the Reheart Epote of the Multis of Officer at Achieva, where mudical Prices were contended for. Penjamin further than thread the Advensin Built at marginificent Odown for the Seyal thread of his Witt.

On the Multis of the World Odown for the Chapter of a Charth. Grammarians are exceedingly in the dark

of a Church. Grammarians are exceedingly in the dark about the figuification of the Word among the Autients.

ODIO & Atla, antiently call'd Brese de base & malo, is

ODIO & Alia, antiently cull'd Breve de lovo & malo, is a Writ fent to the Under-Sheriff, to enquire whether a Man, being committed to Prifon on faspicion of Marder, be committed on Malice, or IBVIII, or upon just flustpion. ODON TAICIA, in Medicine, the Towls-Ads is no of the most common, yet most cruel Pains the Body is fubject to See Towns.

Sec Tooth to. Sec Tooys. Its Caule is a flarp Scrolity, thrown on the Membrane that lines the Sockets, or Alexal of the Teeth. The Liquor is fometimes fo very flarp and corrofive, that it cats away the Teeth by little and little, and makes 'om fall

piece-meal

Its more remote Caulei are Sugars, very hot things, and very cold Acids, Se.

The Differs is frequently attended with an Inflammatice, or advances I thought to be found to be sugar to a superscript of the Tooth. The Cariofi Nature, Decad II. mention an Odontaley cured by a Box on the Ear given the Patient; and add an Inflance of Blindness and Odonalgy caused by shaving a Man's Beard.

The very fight of a Remedy frequently drives away the The Word is form'd from the Greek & Tooth, and

And the state of t

take the better hold. It is also accompatited with a folid Ligament, contriv'd on purpose to prevent the spinal Matrow from being compressed by this Apphysis.

The Word is form'd from the Greek of G., Tooth, and

ODOR, or Onoun, fee SMELL.

ODORAMENTUM, in Pharmacy, a Medicine apply'd for the benefit of its fmell, whether it be fetid, or agreeable. Sce SUPFIMENTUM.

SCOUPTIMENTUM.

Sach are frequently ufed in Hyfleric and Hypocondriac
Diforders 5 e.gr. offin finish, Camphur, &c.
ODO: CHOS and ODO: Ge Statestime,
ODO: CHOS and ODO: Ge Statestime,
Sachlac borth, Sachlac finish, Camphur, are facts as
easile a borth, Sachlac finish, Camphur, and dittance.

ODISSEE, an Epic Perm of Himer's wherein he relates
the Advanture that Feld Unifier in this Return to Hack

ODYSSEE, as Epic Poem of Hower's whire in testates the Adventures that beful Utyfer in his Return to Italy from the Siege of Tray.

The Defign of the Itad, F. Befin observes, is to instruct the Siege of Greece considered as united in one Body, or as Parts of the Whole's and that of the Obyfice, to instruct. thuse some States, confider'd in their private Capacities. See It. tan.

A State confids of two Parts : The Head which com nds, is the first ; and the Members that obey, the fe cond. Now, Instructions are required both for the one and the other; but it is possible to have them both convey'd under the fame Perfor

under rise tame rerion.

The Pable, there, of the Odyffee is as follows: A Prince had been obliged to quit his Country, and lead an Army of his Subjects upon a torigin Expedition: a fare having glorically executed this, he was upon his Return home; been in fifthe of all his Endeavours, was destuded for feweral Neuroland and the Subjects of the Subject of the Neuroland Subject of the Neuroland

Polity, &c.

Polity, Gr.

In the Dangen he had to fraggle withirdl, his Companions, negleding ha Aérice, all perift, three their own descended in the Companion of the Compa

The Train or Moral whereon this Fable is founded, is, that a Perfois Abfiner from home, fo as that he cannot have an Eye to his Affairs, occasions great Difforders. Accordingly, the Hero's Abfairs, occasions great Difforders. Accordingly, the Hero's Abfaire is the principal and most eleminal Action of the Piece; and takes up the greatoff Part of the Piece.

This Poem, Eoffa adds, is more calculated for the People, than the Iliad is, where the Subjects are rather ill used our of the ill Conduct of the Princes, than by their own fault. The great Names of Hero's, Ulyffer, &c. don't here reprefers the poorest Peafants left than Princes, Cefars, Mexanders, &c. The meanest People are as liable to ruin their Estates and Families by Negligence, &s. as the greatest 3 and accordingly have as much need of Homes's Lectures, and are as capable of profiting by them, as Kings themselves, See ENEID.

Gerard Creefus, a Dutchman, in a Book intitled OMHPOS EBPAIOS, printed at Dorr in \$704, codeavours to prove that the Subjects of Homer's two Poems are taken from the Scripthe obspects of Homes's two Poems are taken from the Scrip-tures; and then that of the Ossifice, in particular, is nothing elfo but the Adventures of the Grackiter till the Death of Majer; and that the Oslyfice was composed before the Illiad, the Subject whereof is the taking of Tericks. What Pen-cins 1.

The Word is form'd from the Greek is wrome, of is very de. OECONOMICS, that Part of Moral Philosophy which

teaches how to manage the Affairs of a Family, or Com-See Monality and Occonomy. OECONOMUS,a Person appointed to direct, and manage vacant Church Revenue, or that of an Hospital or Com-

Orconomus was also antiently used for a Protector, or Advocate, who defended the Rights and Effects of Church-

cs, Monafterics, Co. See Advocate and Avours.
The Name was also given to a Church-Officer who took care of the Buildings and Repairs of the Church, and received and diffributed Alms according to the Directions of the

Bishop.

In this sense, the fixth Council appoints that every Church

have in Genemona.

OECONOMY, the product Condeel, or differen, frugal.

Management of a Man Editate, or that of another

To recommend Gostmany, a modern anabor addresses, that

To recommend Gostmany, a modern Anabor addresses, that

To recommend Gostmany, a modern Anabor addresses, that

Anabor and Anabor addresses, and for Both anabor addresses, and fold at a to Yeste Purchafe, or for per Deamle,

Now, in an Area of Land are a 450c frequent frest, and in a

to Pounda are 450c Pence: by which dividing a 450c, the

Questient will be 3, and 50c maintains go which flower that

one Penny will Purchafe o figures feet and almost 12 lockse

of Land, who a Perce 5 first long and 3 bread, and offeren

of Land, who a Perce 5 first long and 3 bread, and offeren

thing more.

Whence it follows, that two Shillings purchases a Piece of Ground of 216 Feet 5 vio. 18 feet long, and 12 feet broad 5 enough to build a pretty Hoase upon, and room for a little

Animal Occonomy, the first Branch of the Theory of Medicine; or that which explains the Parts of the human Body, their Structure and Use; the Nature and Causes of Life and Health, and the Effects or Phanomena arising from cm. See Medicine.
This is otherwife call'd Physiology; and its Objects just umerated are call'd Naturals, or res secundam Manuam.

Sec NATURALS.

Legal, or Jewife OECONOMY or Difpenfation, is the man-

ner wherein God thought good to guide and govern People under the Ministry of Moses.

This included not only the Political and Ceremon This included not only the Political and Ceremonial Laws; but also the Moral Law, inaffineth asir pronounced

a Curic on all those who did not fulfil it perfectly. Evangelical, or Christian Orconomy or Dependation, is used in opposition to the Legal; and comprehends all that

relates to the Covenant of Grace, which God has made with Men by Jesus Christ.

OECUMENICAL, fignifies as much as General, or Uni-

The Word is form'd of the Greek insquareds, of insquire,

the additable Earth ; or, the whole Earth.

In this fenfe we fay, an Occamental Council, or Synod;
meaning one at which the whole Christian Church affitted,

were mitted to. See Councir.

Du Cange observes, that many of the Patriarchs of Con-

flaminopie, attumed to themselves the Quality and Denomi-nation of Occumental Patriarchs; particularly John the Faster in 190, and Cyrel his Successor. in 390, and 697th his Successor.

Gragery the Great of Rowe, was exceedingly enraged at it; precording it was a Title of Pride, and a Character of Auticurit; as supposing the Title Occasione to imply Juliscrial Balhop, or Bilhop of all the World 2 whereas, in effect, it imply do no more, than the Quality of Chief of the Eaftern Chicals in this measure as the first Dackford of the Church.

Church 3 in like manner as the first Doctor of the Church of Constantinaple was call'd Doctor Oceannesia is. of Conjuminação was call'd Datino Oceanemento.
The Trile Oceanemental Birbop was first offer'd Leo I, but herefued it is nor did his Succediors accept of it for a Lag time. The 5th Guncil of Conjuminação gavo it to John, Pariarkot ot the City is the Onne of the Reasonijis pretend that the Emperor Phoens gave it, by way of Preference, to

the Bishop of Rame. the Bifting of Ross.
Bur thoic of to Infaminyle have preferr'd it; and fo late
as the Caucil of Infinity Hartarch used the Title. But
Commende bets a only to be underlined as of the Extent'd
COMMENDE AND AND AND AND AND AND AND AND
COLDEMA, or UNDERNATION: THOSE, I THOSE WHICH
APPEAR WHITE, for, and last, without any northic change
of Colony, Ren. Plan, or Validings and which yields to
Colony, Ren. Plan, or Validings and which yields to
Colony, Ren. Plan, or Validings and which yields to
Colony, Ren. Plan, or Validings and which yields to
Colony, Ren. Plan, or Validings and which yields to
The Normal Classified followings Saury, is valided by
The Normal Classified followings Saury, is valided by
The Normal Classified following Saury, is valided by

The general Caufe of Ordenatous Thomars, is vulgarly fup-

poted to he a Primin, as it is call'd, or a phlegmy Humour in the Body. Contufions, Fractures, Luxations, &c. when of long standing, often give rife to Ocslemas, especially in Dropfical and Aged Perions; fo do irregular Living, want of Exercise, Ruptures, Diforders of the Lymphatics, Defluxions of Humours, Weakness of the Joints, &e.

of Humours, Weakneds of the Joints, Ee.

Its enirt Seat is the Legs: In a Lenephlegmatia, the
whole Body is Octomatous. It frequently comes upon other
Dhiesles, elpocially Clinics; and is familiar to Women, with
Child. The dangerous when it reads to an Alvef; when it
hadens, it becomes Chirows. See Onderstanger
Lippocratic uses the word Octoma for any Tamor in

general. There are also Spavious Oedema'r; in which case the pi-

There are also Sparious Octomes's in which ease the purious Humour is mixed with other Humour is when the Tumor becomes Englicianus, Schirraus, and sometimes Gypfons; and hence Wens, Sch.

The Word comes from the Greek issur, whence instruct,

Tumor contrary to Nature.

OEDEMATOUS, in Medicine, formething that is of the nature of an Octowa; feiz'd, or affilicted with an

Ordema.

Thus we fay an Oedematous Arm, Oedematous Legs, &c.
The Physicians divide Tumours into Influmentory, Oede-tor, Schirgens, Scrophulous, Cancerous, C. See Tumon. The Phyticians divide Tumours into Inflammars-py, Orde-mara, Schrens, Scephelus, Scarcerus, c. See Timon. Oxdemanus Theoret feldom, of themfelves, prove dange-rous, or mortal s but when they are of long continuance, the effect of old Age, or a dropfical Habit; when they grow hard, feltomen, painful, or come to frapparace, the Cure is generally redious and uncertain. Thole which ar-tend Wounds, Practiuers, or the like, are left difficult to See OEDEMA.

They are easily discuss'd in their first Formation by the external Application of Solutions of Bay-Salt, Nitre, crude Sal Armoniac, &c. in opanio Wine, Urine, Limewater, or other lixivious Fluids; while the Patient fubmits to a Courfe of Pargatives, to difcharge the Matter repell'd

to a Course or augustive, to officiaring the matter repose to by fach Applications.

Under the Clafs of Octoware as Towers, are tanked Conty, leanant, Orifac, Rhagadet, Thyms, Talpo and Natet, the Ganelie and Pfydratism. See each under its proper Article, Con-

OENEL EUM, in Pharmacy, a Mixture composed of thick black Wine and Oil of Roses.

In Fractures with Wounds, where the Bone is not bare, Scaletas orders that the Comprefice, to make them flick, bo drench'd with Ocnelson, to footh the Pain, and prevent an Inflammation; and the Bandages to be every day moifien'd

the fame, till the inflammation be out of all danger. The Word is form'd from the Greek Top. Wine, and

states, Oil OENESTERIA, in Antiquity, Sacrifices, held by the Youth of Albert, before the first time of cutting the Hair, and shaving the Beard.

These Sucrifices were offer'd to Heresdes; and the Quantity of what was offer'd was regulated by Law. The Erymology of the Word, which comes from in &

When, these that the Matter thus offer'd was Wine.
OENOPTES, a kind of Officer or Cenfor at Albens, who attended at their Featis, regulated the number of Cops each

was to drink, and took care that none drank too much or too litrle.

too intte.

Those who would not be kept within the bounds of Temperance, were preferred by the Oesspire to the Arcopages, They were all ocalid Byse, Ocasi.

OESOPHAGAUS, in Anatomy, one of the Muscles of

the Pharynx, which it encompasses round like a Ring. See PHARTNE.

"Ils fingle, and ferves to fqueeze the Aliment down, by clofing the Pharyns after the manner of a Sphindle'; whence once cell it the Sphi Ber Gale; others call it the Deglatory or Swallower. Sec Sprinceta, Declariting, Ca. Dr. Drake will have it no mare than a Production of the Pterypspharingess, whose Fibres surround the Pharyns from a tendinous Lice on the back part of it: The Verbeyes

makes it a diffioff Pair. OLSOPHAGUS, in Anatomy, the Gala, or Gallet; a membraneas Pipe or Paffage, whereby our Food and Drink is convey'd to the Stomach. See Food, &c.

conveyed to the Stomach. See Foon, 1966.

The Outphagus defected from the Musth to the Stomach, between the Afren Asserts and the Vertebre of the Neck and Back, in a timit Line, excepting for a little do-thecknon about the fifth Vertebra of the Themax, where it turns a little to the right, to make way for the great Artery, which a little to the right, to make way for the great Artery, which runs along with it to the ninth; where twrning again to-wards the laft, it croffes the Artery, and piercing the Diaphragm, ends at the left Orifice of the Stomach. See Stomach.

It conflits of feveral Coats or Membranes, ufually reckoned torce; the some make four, others five or fix, allow-ing the Crata Villaja to be one; Which last division, Dr. Drake follows as most accurate. The first Coat is membraness, and only defign'd for a Co-

The first Coat is membraness, and only defigurd for a Co-vering for the reft 3 and feems only a continuation of the outward Membrane of the Stomach, derived from the Per-rimensors, the form derive it from the Plears, and others from the Duphragem.

The free of is Modelar, confilling of strong, fleshy Fi-bree, like other Mafeles; for that it feems to make the Caute a holow filling bulletic. According to Store and

Willis, it conflits of two Orders of Fibres, going from top to bottom in spiral Lines, contrary to and decoffating each bottom in thirst Lines, contrary to and decollating each other. Which Defeription is very exact of the Gulleted Ruminants, but not fo of that of Men. In Men it confints of two fieldy Leuelle, like two diffinith Mufcless. The outward composed of strait longitudinal Fibres, the more of annular Fibres, without any observable angles. The use of this Coatisto promote Deglutinos: The longit. radinal Fibres, when in contraction, fhortning the Oefophagas, and making its Capacity larger to admit of the Mat-ter to be (wallow'd; and the annular, on the contrary, con-racting the Capacity, and cloting behind the defeeding Aliment, prefs itdownward. So that the two Orders of Pihres form to act as Antagoniti-Mufeles to each other. See

Fifted form to act as naugoma-matters to case utility of Deneutrition.

The next Cost, call'd the Vafcular, conflits of a double Membrane i, the outer form'd of irregular Fibres and innumerable Velfels interwoven i the inner, of first longitudinal Fibres mix'd with little Glands is whence form call in the Glands intermediate of the Confliction. This Membrane adheres closely to call it the Giannamic. I has recompraise achieves closely to another within, call'd the Nervous-Out, which is exceeding-ly fine, and made up of excessively flender Fibres, variously ly fine, and made up of exceptively accord remost, variously difficed. It is continued to that which covers the Pauce, Mouth, and Lips; whence it happens, that tickling the bottom of the Pauces by vellicating this Membrane, provokes a retching to Vomit. See Vostation.

vokes a retching to Vomit. See Vomiting.

This Membrane is the Organ of Senfasion and in this
Part, as fome think, is the Seat of Thirft, or the Organ
whereby the Appeire of Drinking is exitted. See Tutarer.
It is liced inwardly with a villous Cruft, which Dr. Drade
nakes to be the excretory Dacks of the Glands, and nor unlike the Cantala of the Carit, to defend the fubiacent Memhamm. In Exocations, this is Tomenime safe out at the

Mouth. The upper opening of the Ocfobaras, fitrated at the bottom of the Fauces, is call'd the Fauryars. See Pharkyns. OESYPON, akind of fatty Mucilage, of the confidence of an Unguent; of a greyish Colour, and a fickish distribution.

agreeable

agrecable finell, drawn from the greafy Wool growing on the Threats and between the Buttocks of Sheep. This Wool they wall, boil it in Water to frower, let the Lotions or Decodling fined for fome time, and from the Lottons or Decoclions fixed for fome time, and from the top skin off a farty Subfinance, which being fixed thro's linen Cloth, and fer to cool, makes the Orlygon, much uted externally to refolve, forten, and appeale Pain. The Word is form'd from the Oreck in, Sheep; and

enmedul, to be corrupted; the Oefspen being a filthy, and, as it were, corrupted Marter, drawn from Sheep.

OFF A Alba, a Name Fan Helmont gives to the white Coagolum atting from a mixture of the rectify'd Spirit of Wine with Spirit of Urine.

Note, The Spirit of Urine must be distill'd from well fer-

mented Wine 5 and that must be well dephlogmated, elfe no Offa will arife

OFFERTORY, an Anthem fung, or play'd on the Organ, at the time the People are making an Offering. c Antenna and Orreging.

Antently the Offertory conflicted of a Pfalm fung with its

Anthem ; the it is fomewhat dubious whether the Pfalm was fung entire; St. Gregory mentioning, that when it was time, the Pope looking at the Cheir who fung it, gave the Sign when they should end.

Sign when they thoust end.

The Name Operaty was all of given to the Linen whereon
the Olferings were laid. Dr. Harris fays, 'twas property a
Proce of Side for fine Linen wherein the Offerings of each
Charch were wrapp d up.

OFFICE, OFFICION, in a moral Sonfe, Davy or
that which Virtue and right Reafan directs us of the
Prince, according to California of the Operation of the Contransport of the Control of the Control of the Control

Prince, according to California follows are safe for which

the thing which immediately follows, or arifes from this Perpufe, is Olestence; which fame is also denominated Offician; so that an Office is the Object of an Obedience to

Options is to tax an object to the Object of an Obschience to Virtues. See Vilter 201 of Option, continued processing the Citers, in this Difference of the first, for centring to define and were the behind the first, for centring to define and were the behind to the first, for centring to define head to the continued of the continued to the left fall under the fame Centure. He infilts much on the Dividence of Option 2 by the figure the Definition. In other of the Private of the Continue of the Continue of the Continued to also in fig. 1 of Officians appealment. Der Findle. When the Continued of Option 2 of the Continued to the Continued to profit and the Continued to the Contin

The Greeks, he observes, made two Species of Office; 5 Perfets, call'd by them agreement of Common, or interest call'd referent, call'd referent which they define fo, as, that what is absolutely right, makes a perfet office; and what we can only give a prohable Reason for, an intermediate Office.

See KRASON.

OFFICE, in a Civil Sense, is the mutual Aid, and Affiftance which Men owe to one another.

Benevolence infpires a Man with an Endeavour to do good Offices to all Mankind. See Common Place. DEPOCEMENT IN THE ACT OF THE ACT

Function.

The Word is primarily used for those of Judicature and Policy as the Office of a Secretary of State, of a Justice of Peace, of a Sheriff, Use.

Office are either Vendl, or not Vendl: Fend Officer are these bought with Money, Vend Officer are also distinguished.

into two kinds; viz. Dominal and Cajant; Dominal, or Offices in Fee, are those absolutely torn off and separated from the King's Prerogative, so as not to become Vacant by death, but passing in the nature of a Fee, or Inheritance.

See Fax.
Of thefe we have but few Inflances among us, which go beyond a first Revertion.

beyond a mrs Revertion.

\*\*Cafford Office are those given for Life, by Patent, Committion, Ge, and which become vacant, by the Officer's death, to the King's profit; anless the Officer have before retign'd, or displaced of it.

The Venality of Officer is of no long standing. See Venality of Officer is of no long standing.

OFFICE is also facil for a Piter, Apstream, or Board, appained for the Officer to actual in, for the difcharge of their reference face, or Employment, Employed, and the reference face, or Employment, Eccler Office, the set of the Officer, or Employment, or Employment, or Employed, or Office Office, Imma are diffinguished as the Employed, or Office Office, Imma are diffinguished as the Employed of Office Office, Imma are diffinguished as the Employed Office of Office Office, Imma are diffinguished as the Employed Office of Office Office, Imma are diffinguished as the Employed Office Office, Imma are diffinguished as the Employed Office Office, Imma and Office, Imma and Office Office, Imma and Office Office, Imma and Of

Where the Inquitition obtains, the Introduction is call'd the Haly-Office. See Inquiries room.

In the Canon-Law, Office is affed for a Benefice which has no Jorifichtion annex's to it. See Brandleto.

Office is also facilitate, for an Inquisition made to the King's Ufe of any thing found by Inquisition made ex Office.

Thus to traverse an Office, is to traverse an Inquisition ta-ken of Office before an Escheator. To return an Office, is to return that which is found by

To return an Office, is to return that which is found by virtue of the Office.

In this fenfe there are two forts of Office illuing out of the Exchequet by Committion 3 vis. an Office to inside the King in the thing judgir'd sato 3 and an Office of Infraultion.

OFFICE is also used for Divine Service celebrated in public. See Livenov.

See Elitany.

St. Jerom is the Perfon, who, at the Requeft of Pope De-major, is faid to have first distributed the Pfalms, Epistles, and Goffels in the Order they are now found in the Roma-office. The Popes Gregory and Gelajor added the Prayers, Kefponies, and Verfics; and St. Ambriget the Graduals,

Hallelujshs, &c

Hallelpjah, 1%.

In the Rendy Charth, Offer is pententially rifed for the In the Rendy Charth, Offer is pententially rifed for the International Chart of the International Chart of the International Chart of the Offer is charter fraging, half double, or double.

Agoin, Offer is apply do the particular Prayer which is Agoin, Offer is apply do the particular Prayer which is Agoin, Offer is apply do the particular Prayer which is Agoin, Offer is apply and the International Chart of the International Chart

Thus we fay, the Office of the Virgin; of the Holy Spirit; of the Fuffion; the Holy Sacrament; Etc. The Office of the Dead is rehears? every day, excepting Feat-days, among the Carshylam. The Office of the Holy Virgin is also added to the Office of the Day, in the Order of Extraordinet.

OFFIGES, with regard to Architecture, are all the Lodges and Apartments that ferve for the necessary Services and OFFICES, where regard to include care, are as in electrons and Apartments that ferve for the necessity Services and Occasions of a Great House or Palace; particularly those which have a relation to Eating 1 as Kitchens, Parterres, Brew-House, Confectionaries, Fruiteries, Grenaries, &c. Sec House, Bulletin & Grenaries, &c. sec House, Bulletin & Grenaries, &c. Granarics, &c.

as allo woon-nousers, The Office are commonly in the Baffecours; formetimes they are funk under ground, and well vaulted, Eff. OFFICER, a Perion provided of a Charge, or Office.

Great OPPICES, of the Grown, or State, are the Lord High Steward, the Lord Chancellor, the Lord High Treasurer, the Lord President of the Council, the Lord Privy-Scal, the Lord Great Chamberlain, the Lord High Consider, the Earl Marshal, and Lord High Admiral. See each under its proper Article, CHANCELLOR, TREASURER, MAR-SHAL, &c.

OFFICERS of Juffice, are those who are charg'd with the Administration of Equity and Justice in the Courts thereof. Sec Court. Royal OFFICERS are those who administer Justice in the

keys OFFICERS are those who administer julice in the king's Name, 2 as the Twiger, vic. See June E. Subsitem OFFICERS, those who administer Jastice in the name of Subjects; such are those who act under the Earl-Marshal, Admiral, See.

OFFICERS of Policy, are those in whom the Government and Direction of the Affairs of a Community are invested 3 as Mayors, Sheriffs, &c. See Pozzer. OFFICERS of War, are those who have Command in the

Thefe are either General, Field, or Subaltern Officers.
General Officers are such whose Command is not limited to a fingle Troop, Company, or Regiment; but extends to a whole Body of Forces; fuch are the General, Lieutenant-Generals, Major-Generals, and Brigadiers. See GENE-RAL, &C Field Officers are fuch as have Command over a whol

Regiment; fuch are the Maitres de Camp, Colonels, and

Negamens - Majars. Majars. Selection of the Licutenants, Cornets, Enfiges, Segeants, and Corporals. See each Officer under his proper Artsele, Cartains, Colonks, Gr. Cammiffon Officers as are appointed by the King's Commiffice; it has call'd in contradification to Haff Majars. Majaran Officers, who are appointed by the Colonary and Majaran Officers, who are appoin

eers, or Warrant Officers, who are appointed by the Colonel's, or Captain's Warrant. Sea-OFFICERS, or Officers of the Marine, are those who have Command in Ships of War.

Flag-Officers are the Admirals, Vice-Admirals, and

Regarderices are the ministry versions as a Regarderice See Flag, Administry & Corner, Maffer, Optices of the Houfield, are the Lord Steward, Treaturer of the Houfield, Comptreller, Coffert, Maffer, Clerks of the Green-Clork, & The Lord Chamberlain, Vice-Chamberlain, Gentlemen of the Privy and Bed-Chamber Chamber & Green, Theory, Maffer of Chamber & Cham Chamber, Gentlemen-Ufbers, Grooms, Pages, Mafter of the Wardrobe, of the Ceremonies, &c. The Mafter of the

ne Wardrobe, of the Ceremonie, Je. The Maiter of the Horie, Aveour, Equeries, Sarreyors, Jr. See Housener, Gee allo each Ogier in his proper Article. Suff Orrichas articles as in the King's Prefence bear a white Staff and a other times, going abroad, have a white Staff borne before the m by a Footman bare headed.

Such are the Lord Steward, Lord Chamberlain, Lord Treasurer, &c. The white Staff is taken for a Commillion; and at the Death of the King, the Officers break their Staff over the Hearfe made for the King's Body, and thereby diffeherge

their inferior Officers

OFFICIAL, in the Canon-Law, the Bifnop's Deputy, or Licutement; or an Ecclefishical Judge appointed by a Bi-

ACCESSABLY or an Excellentical Judge appointed by a Bi-floop, Chapter, Abbot, Se. See Coura.

Of these there are two Kinds; the one, as it were, Vicar-General of the Church; exercising Jurisdiction throughout the whole Diocefe, call'd by the Canonitis Official Principals; in our Statute-Law the Bifliop's Chan-caller. See Chapters of the Church of the Canonitis cellor. See CHANCELLOR.

cellor. See GIAMÉRICOS.
There is no Appeal from his court or the Biffory 5 his left from the property of the Biffory 5 his left from the Biffo

The Biftops, especially those of large Sees, finding themselves oppress'd with a multiplicity of Business; at fielt, dicharged a part of it upon their Archdeacons and Pricish; to whom they gave Commissions revocable at pleasure. These they call d Vicarii, or Officiales. As we don't meet with this Term any where before the

As we don't meet wint this 1 erm any where pearer use Conditionions of Sexing, 'its pretry apparent the Cufforn had not its Rife till the End of the 13th Century. In process of Time, the Pendition was divided into two 5 and the Title Official given to those with whom the Bishop entrulled the Execution of Hisgious Juffice; and that of Vicars General, or Grand Vicars, to those who had the Vicars General voluntary Jurifdictions.

The Number of Officials was foon excessively multiply'd; and not only Biffiops, but Chapters and Archdeacons would have their Officials.

have their Official.

The Official, by degrees, had drawn to their Cognizance and Jurifdictico, most of the Civil Causes 5 till they were taken not of their bands by Appeals, Ed.

OFFICIAL, in Common Law, is a Deputy appointed by an Archdeacon for the executing of his Jurifdiction.

OFFICIALTY, the Court, or Jurifaithion, whereof the

Official is Head.

The Practice of Officialties is now reduced into a little The Practice of Officialities is now reduced into a little Comput's and Actions of Promifee, and Difficultions of Marriages, are the principal things transacted therein. OFFICINAL, in Pharmacy, a Term apply 4 to fuch Medicines, whother Simple or Compound, as the College of Physicians requires to be confiantly kept in the Apo-

of Physicians requires to be contrainty kept in the Apo-thecarys Shops, ready to be made up in extemporaneous Prefeription. See Pazzeniftion.

The official Simples are appointed, among us, by the College of Physicians; and the manner of making the Compositions directed in their Dispositarry. See Dispen-

SAYORY, COMPOSITION, &c.
The Word is form'd of the Latin Officina, SI

The Word is form'd of the Lasin Officins, Shop. a
The Word is form'd of the Lasin Officins, Shop. a
Good diltace from Shore; where there is doop Water, and
no need of a Piler to condet the Ship into Port.
Thus if a Ship from Shore be feen failing out to Seaward, they fay the Bunds for the Office; and if a Ship iming the Shore cert her, have a conher a good way without her, or towards the Sea, they fay, that Ship is in the

OFF-SETS, in Gardening, &c. are young Shoots that fpring, and grow from Roots that are round, tuberous, or

The Word is also used for the loose, outer, brown Skins in Tulips, Onions, Sc. OFF-SETS, in Surveying, are Perpendiculars let full, and measur'd from the Stationary-Lines, or the Lines be-

Extremity of the Inclosure. See Surveying.

Extremity of the Incidence. See Suapervision. OGEE, or OG, as it is frequently wrote, or OGIVE, in Architecture, a Mosalding, contiiting of two Members, the one concave, and the other convex; the fame with Ogmanson. See Cranatium.

Pitratium makes each Member a Quadrant of a Circle of Scancesa, and fonce others, make them formewhat flatter, and fillie them from two equilitated Triangles.

and fither them from two equitaters i transfer, it for more from the fitted in the first form of an St. Outre is allo afed for an Arch, or Branch of a Guite Vault, which, in live of being Greulan, paffet diagonally from one Angle to another, and forms a Crofs between the check Arches which makes to fit the diagonal to the Arches are Diagonalls. See Ancare and Vautr. The middle, where the Opiner cut or crofs each other,

is call'd the Key, which is fometimes cut in form of a

Rose, or a Cal de Lampe. The Members or Mouldings of the Ogness are call'd Nerves, Branches, or Reins; and the Arches which separate the Ogizes, double Arches. See

OGRESSES, or AGRESSES, in Heraldry, for Per-

OIL, a fatty, unchoos, inflammable Matter, drawn from feweral natural Bodies. See FAT.

The word oil is forentime apply to the Juices which diffil naturally from Plants and Trees; as Ballm, &c. but more fitfelly to those Juices draws by Experfilion from Plants. Froits, Grains, or Seeds; as oil of Oline, Nan-Oil, &c. See EXPRESSION

The Word is form'd from the Latin Olean, of Olea, Olive-Tree, the Fruit whereof abounds in fuch Juice. See OLIVE.

OLIVE.

The Kinds of Oil, their Properties, Manners of Expedition, &c. are almost infinite: For the generality of them, the Reader is referd to the proper Arricles 3 fach as could not be more conveniently inferted, are as follow.

Oli of Oleve, in the most popplars, and most universal of all others; being that chiefly used in Medicine, in Foods, 2 Adults, and in the Manufacture. See Salacts, A. &c.

Salada, and in the Mannfelture. See Salada, and in the Mannfelture. See Salada, Efe. It indraws from Olives by Prefier or Mills made for the purpole. The Fruit is gather'd when at its urmoff Matterian in December and Jonany, as it loopings to redden; when the purpole and Jonany as it loopings to redden; when the purpole and Jonany as it looping to redden, it yields that of lo very fever, and of its charming an Odony, call'd Jonany the Good of the Committee of the Control of the Committee of the Control of the C leave them on the Ground for fome time, c'er they prefs

Neither the Smell nor Tafte of this fecond Oil is very agreeable; the there is a third Kind flill worfe, which is

agreeables the three is a third Kind fill worfe, which is the common of poecard by throwing belling Water on the Perellings, and repreding them more through; is the Seath French and Perellings and repreding them more through; but the Perellings and repreding the Seath French and French effect there are as many different ways of preparing this Oil, as there are Perfons who make it their bufiness to pre-

In this diversity, Power gives us a Method easier and less expensive than any of the rest; which, it should feem, we cannot do better than follow.

Method of procuring Oil of fweet Almonds by Expression, without Fire. Take a Pound and a half of peel'd fweet Almonds, new

and dry; after pounding 'em in a Mortar, país 'em thro' a coarfe Sieve, lay 'em in a Hair-Cloth, and pet 'em under coarfe Sieve, lay 'em m a Hair-Cloth, and put 'em under the Prefs between two Plates of Copper, Steel, or the like; prefs 'em gently; and when all the uncluous and fluid Part is exprefi'd, you will have a fweet Oil without any Se-diments, which is fearce avoidable in any of the other manners

roanners.

Palse Ort, or Oil of Senegal, a thick unchaous Liquor, of a yellow Calour, and a Violet-fmell 3 fo call'd because drawn, by Esulition or by Expression, from the Fruit of a kind of Palm-Tree, growing in leveral Places of Africa, cspenithes. cially in Senegal

cially in Sengell. The discussion will be supported by the control of the control

noine.

OIL of Cimemile, an Oil made with the Flowers of this
Plant fixep'd in Oil of Olives, and exposed to the Sun in
the heat of Summer: Its Colour is blueilly; some add
fine Turpentine. It is the most effected when old. "Tis
used for the cure of several kinds of Wounds; and is repeted a kind of Balm

OIL of Petrol, fee NAPHTA OIL of Amber, fee AMBER.

Oil of Amber, Ice Annex.
Oil of Amberny, or Batter of Amburny, Ice Anvilhony,
Oil of Affenie, or Butter of Affenie, Ice Areanic.
Oil of Affenie, or Fisher, and Oil drawn from the Elowers or oil of Affenie, or Fisher, and Oil drawn from the Elowers or little Leavas of a Plant of the Same Name, growing in the South Parts of Farsace, refermibling our Leavader. Tit of a white Colour, and an aromatic Smell 3 and is the only oil

diffolyable

differentle in Sandersel's whence the genuine Oil is easily distinguished from the commerciet, which to Joi of Turpenties mixed with a little Properties of the Prize and the Sandersel's and the Sandersel and a part in foreral Catanical Compositions.

On of Res, for Bales.
On of Res, for Bales.

OIL of Campber, fee CAMPHOR. OIL of Gunamon, fee Cinnamon. OIL of Caffor, fee Castorium. OIL of Wax, fee Wax.

OIL of Camin, fee Cumin. OIL of Fennel, fee Fennel. OIE of Naturez, fee NUTMEG. OIL of Gariagem, fee GUALACUM.

OLE of Showing, for Neymon, OLE of Showing, for Chymlecus, OLE of Goodston, For Country, Ole, of Goodston, For Country, Ole, of Goodston, George Charles, Ole, of Leng, for Lines, Ole, of Leng, for Lines, Ole, of Leng, for Lines, Ole, of Leng, for Cluster, Ole, of Marsholm, for Milester, For Milester, Ole, of Marsholm, Secontros, Ole, of Marsholm, Secontros, Ole, of Marsholm, Secontros, Ole, of Leng, Ole,

On the first of the first of the expected from Olives, Prigor Oct, is andershood of Olivexperfed from Olives, Natt. Els., firsh gather d, without being beated, too much prifed, Els., So Cut of Olive. Built like Grains a this is the best, and most efficiently of Olive of Olives. Olives, oli frequently wates now Names from the Duga mix-d with it; as Oli of Refer, which is them of d with Refer a Olive. The oliver of the oliver of the olivers of the Plate observes, that Oli is delitablive to all Place.

Oil of Signis, this perfam dwth Jafmin.
Plans abteres, that Oil is deletable to all Plants i and
he adds too, to the Life of all Animals, except their of
Man, to which it is agreed it is very defail to the
Man, to which it is agreed to the very defail to the caterall parts of the Eody, but bartful to the internal. Foremy olferes has Oil fefton, mortlens, and lubricates the
Body and has off the forest of the College of the
Body and has off the forest of the College
Man and agile. Differentied favil to use Leptolic. 26. and agile. Diefeeride: fays it cures Leprofies, &c.

OIL, among the Chymilts, is the fecond of the Elements, or Hypostatical Principles; otherwise call'd Sulpbur. See

or Hypothanial Principles i otherwise call'd subjew. See Extrastry, Passurery, and Suzzery Distillinois, p. R. Mi natural Bedies yield old, einher by Distillinois, p. Recommendation, and Experimental Company of the Company of the Company of the Company of the Distriction Heavy Ingredient in the Company and the Distriction Heavy, farther all the differences of Redeis in refped of Smella. See Suzzery Distriction of the Company of the Compa

even intel et Aconstite ("Innit, rimes mouteriority). See 2-see 200 M. Lindings, from an Olferwation that Plants which yield the modt Acid, yield likewise the modt 0.0 s took coccion to think that the Acid might affitt the 0.1 to elif-engages irlelf from the Bedy, and to rife in Dillilation which he found to answer in the Experiment. Mineral Acids prov'd to have more force on the 0.0 of Plants, and put (min) as confliction of riming. But have been considered that the put (min) as confliction of riming. But than Verenthile, outer. put emina condition of ribing in Dittillation, and in greater Quantity by the Aftion of Fire, than Vegetable ones. Accordingly, whereas the Perfumers find a deal of diffi-culty in railing efficial Oil of Roles; and feare get an Ource out of an bundred Pounds of the Flower: M. Hom-

Oliver one of an hundred Founci of the Flower. M. Hon-loy, on his Provide, got a lead for this more is one. It have been been for the form of the provided and the large three forms of the founcies of the form of the been forms of the form of the form of the form of the three forms of the form of the form of the been forms of the form of the finest smallfully different in Conflictace, Texture, or form of the Sublance Ostaind from a mix like Body by means of Fire, specia form of an of the will not mix with Maters, and the special form of an of the will not mix with Maters.

fomerimes in form of an inflammable Spirit, which will readily unite with that Liquor; and fomerimes also in form of a confident Body almost like common Sulphur. Producib.

and Minoral.

The Vegetable be divides into Effortial, and not Effontial. The Effontial again, are either perfect Stillations made by the Analysis of the Objential's Fire, where the designises to the Common and the C

Those not Effectual, are imperfed, or made by Ex-pression; which are decompounded of several parts of the Plants; as of Almonds, Olives, Wallnuts, Lime,

the Plans 3 as of Almonds, Olivea, Wallauss, Lime, Rege, 56.

Rege, 56.

The Amma-Bull, Houfe, 56. Or chefe of the fallic Parts, as Mannes Bull, Houfe, 56. Or chefe of the Plands, and Hamma-Blood.

Lafly, the Montal Oliva are thefe of Amber, Pero-Reum, Ratcheller Tips, red Bette-Was.

Of thefe Oliv, there are vedeve that by a Minmer of composed Sprin of Mirre, mole an Ebullition, Explose composed Sprin of Mirre, mole and Bulliton, Explose without Plands.

Explose without Plands. 46. The Mirre of the Plands of the P

Exploits without Films: And four that produce neither.

Out-Nag, a Velfel in Birds, replete with an uncluous Subtlance, feereed by one, founttimes two, Glands for the purpose, diffood among the Feathers's which being prefet by the Bill or Head, centain in any Matter, for the Drefting and Expending the Feathers. See Feathers and Framishood.

In the Birds of the See Feathers and Framishood. The Park Nag, and Superly, E. See The Park Nag, and Superly, E. See

UNGUENT. OKER, or OCHER, in Natural History, a vellow, dry, fat, foft, fosfil Earth; found in Copper and Lead Mines, fometimes in those of Silver, and sometimes in Mines of

NUMERICAN SEC EARTH.

Others feem more rightly to refer Oker to the Class of Semi-metals, than of Earths. It conflits, according to them, of Earth and a Metal, particularly Iton, combined. Sec Semi-metals.

them, of Earth and a Ment, particularly Iron, com-bined. See Sast-Parket.

Mit Roft siliers us be his feen a Fiece of Other richer in Ment Island in Ment Island and in Ment Island in Me

quir'd its rednefs.

The Beds are usually from one hundred fifty to two hundred foot deep 3 and their shiekness from four to eight banderd fore deep 3 and brief whiches from four is eight landers, between a white Said which corns: them 3-109, and a yellow artifleou Earth sederceath.

A yellow artifleou Earth sederceath.

In the seder of the sederal se

Veffel

OLD Me, fee Long EVITY.

OLEAGINOUS, formerhing that partnkes of the nature of Oil; or out of which Oil may be expressed. See

Thus Olives, Nuts, Almonds, &c. are sleaginess Fruits, or Fruits out of which Oil is express d. See FRUIT. Pines, Firs, &c. are oleaginess Woods, yielding Rofin, Turpentine, Ge. See Rosin, Ce.
Of all Woods, eleginess ones burn the best. See Fuzz.
An eleginess Urine in malignant Fevers is a fign of

An elegionary Unite in multiposat Fevers is a fign of Death. Sec U.S.F., in Austrony, as Emission behind the Bond of the Elion is being the Fart whereon the Arm and the Committee of the Committ

K. Richard I. See Law.

They are thus call'd, because made in the Oscron, an Island in the Bay of Againsine, at the Mouth of the River

OLFACTORY Nevers, in Anatomy, the first Pair of Nerves springing out of the Medalla sidongara; so call'd as being the immediate Instruments of Smelling. See SMILLING.

SMELLING.

The Antients call'd them Precessive Papillares; which Dr. Drake thinks a more fuirable Name, till their arrival at the Os Crubessive; in regard they rather appear Productions of the Medalla ediongaia, than diffind Nerves; against which,

their manifest Cavities, and their Communication with the Ventricles, argue. See Madulla delegans.

The Olfatfory Nerves bave their Rife just below the Orfonnis, and are distributed in the Membranes of the Nofe.

Sec NERVE

See Neave.

OLIBANUM, in Pharmacy, a kind of Gum, or Refin, ufually call'd male Frankmetnie. See INGENER.

It has its name Oliknosm, qual folum Librari; because diffilling in form of an Oil, from a Tree on Mount Library.

It is brought to us in large white Tears, bordering a little on the yellow; y very heavy, of a fharp bitter Taite, and a brik Kome.

and a brisk Smell.

and a brisk Smell.

"I'is diffinguished from the female, or common Incense, by the largeness of the Dropa. "Tis very glutinous, confequently illrengthening 3, and partakes enough of the Turpentine to render it fornewhat detergent; it more useful in compound flrengthening Plaisters, than in inward Compound

OLIGARCHY, a Form of Government, wherein the Administration is in a few Persons 3 such are the States of Venice and Genoa.

The Oligarchy amounts to the fame thing with an A-Hocracy. See Aristocracy.
The Word is form'd from the Greek exig. few; and

xi, Command, Government. OLIO, or Collo, a favoury Diffs, or Food, composed of

a great variety of Ingredients.

The Forms of Olis's are various; to give a Notion of the strange Assemblage, we shall here add one from an

The Forms of the see "nearest conductions from a specified and performance," on International Conductions are presented Author.

Take Kump of Beet, Next Torques bail on delyd,
Take Kump of Beet, Next Torques had only delyd.

Take Kump of Beet, Next Torques and Euco, set in bits a allo Turnipa, Gerren, Colons, and Cabsage,
Beet, Salica, Colore, Marc, Nummer, Ed. Tits cone, in smoker Yee pat a Turkey of Goods, with Capson,
Peckatam, Widgeren, and Dacke, Turnipe, Tech, and
in Water and Sali. In a third Veifel, prepare a Succe of white Water, theng Beet, Beatre, Beatren of Anic Veifel, prepare a Succe of white Water, theng Beet, Beatre, Beatren of Anic Veifel, and the Color Salies of Eggs, Musc and Saffree. Lully, dish the Goi, by fell lying our the Beet and Veil, then the Vession, the langed Towls, then the finalled, and hally pare on the Sance. the Sau

OLITORY, a Kitchen-Garden, or a Garden of Herbs, Roots, Er. for Food. See Garden. OLIVARIA Corpora, in Anatomy, are two Protaberances

in the under part of the Brain, placed on each fide the Curpora Pyramidalia, towards the lower and 3 having their Name from their Figure, which refembles that of an

Sec BRAIN. OLIVE, a Stone-Fruit, which yields plenty of Oil ; the Produce of the Olive-Tree. See Oir.

There are three Kinds of Olives, frequently fold; different in Size and Goodness; viz. those of Verona, which are the best; those of Spain; and those of Provence. The Olives, while on the Tree, are intelerably bitter, withour any thing of that delicious Taffe which procures them admittance at the richest Tables. To fit em for that, they must be prepared as follows.

Manner of Preparing, or Pickling OLIVES.

In the Month of Some and Soly, long e'er the Oliver are fit to yield their Oit, they are guiter?4, and half to ficep from each yet in first. Where you have now, they are pair another Winter properties of the solid their properties. They are not taken the solid to at least with Afrect and Solit, with which they are put in those little Eurerla where and Solit, with which they are put in those little Eurerla where and Solit, with which they are put in those little Eurerla, wherein they are become to the solid the

OLERON-Laws, or the Sea-Laws of OLERON, area Set Secret among those who deal herein 3 and, in effect, 'tis of antient Laws, relating to Maritime Affairs, made by in this that all the difficulty of the Preparation lies.

Manney of Dratting Oil of OLIVES.

The Oliver being gather d, are laid for fome time on the Ground to dealn, and to ripen further; they are then ground into a Pafte with a Mill-tiene: The Patte is put in large Prails, and boiling Water poured over them. Lettly, the whole is prefs'd; by means whereof the Oil is eafly fewhole in the production of the Oil is eafly fewhole. parated, and fwims a-top of the Water.

parted, and frime step of the Water.

OLDITECTORS is a yellow, mingled with black. The
TODITECTORS is a yellow, mingled with black. The
TODITECTORS is a yellow, mingled Total of the Gonplexion. The dynamics and fater are mustly white; geCOKSTRUM Tearch, Eastly of Defire, or Love, a Term
to COKSTRUM Tearch, Eastly of Defire, or Love, a Term
to Cotton to the Cotton of the Cotton of the Cotton
to Cotton of the Cotton of the Cotton of the Cotton
to Cotton of the Cotton of the Cotton of the Cotton
to Cotton of the Cotton of the Cotton of the Cotton
to Cotton of the Cotton of the Cotton of the Cotton
to Cotton of the Cotton of the Cotton of the Cotton
to Cotton of the Cotton of the Cotton of the Cotton of the Cotton
to Cotton of the Cotton of the Cotton of the Cotton
to Cotton of the Cotton

This Method of Computation had its Rife from the Olympie Games, which were celebrated every fourth Year, near the City Pifa, or Olympia, in Peloponnejus. See OLYM-

The first Olympiad commenced, according to fome, in the Year 5938 of the Julian Period; the Year from the Creation 3208; the Year before Christ 776; and 25 Years Creation 3200 ; the Year before Girth 170 ; and 23 lears before the Foundation of Rame: Or rather, as others will have it, in the Year of the World, 3211; the Year of the Julian Period, 3941; and 23 Years before the Building of

The Peleponnesian War begun on the first Year of the 87th Olympiad. Ascander the Great died the first Year of the 114th 3 and Jesus Christ was born the first Year of the 295th Olympiad.

The Olympiads were also call'd Anni Iphini, from Iphinus, who inflitted, or at least renewed the Solemnity of the

Olympic Games.
We don't find any Computation by Olympiads after the 364th, which ended with the Year of Chrift 440. In a Charter of our K. Ethelbers, the Years of his Reisn

In a Charter of our K. Abbellers, the Yours of his Reign are recknowly by Open are, Course, rece feltom of manages, and the Charter of the Ch

rheir Chariot. The Prize co Laurel. See OLYMPIONICS. OLYMPIC Fire, is fornetimes used for the Fire erifog from the Sun's Rays collected in the Fecus of a Burning-

lafe. See Firm and Burning-Glafe.

Gli OLYMPICI, the Title of the Academists of Vicenza, See ACADEMY.

in Intelly. See ACADEAY.

OLYMPIONICI, Objective, in Antiquity, an Appellation given to those who came off Victorious in the Objective Courses. C. CLYMPIC.

The Objective were infinitely homous'd in their Country, as being effected in the arc done it immortal Honour. The

as being effected in have done it immortal Honour. The Mehenhurs particularly, were fo lavifit in their Prefents to the Olympionaes their Country-men, that Solon found it ne-cefflary to retirain their Liberality by a special Law, which imported that the City should give 500 Drachma's to the

imported that the City should give 500 Drachma's to the Olympionics, which amounted to about 58 Ounces of Silver, our Weight. No very confiderable Sum. OMBRE, a celebrated Court-Game at Cards; play'd by two, by three, or by five Persons; but generally by

In Ombre by three, nine Cards are dealt to each Party; the whole Ombre Pack being only 40; by reason the Eights, Nines, and Tens are thrown aside: He that wins, must take five Tricks, or four when the other five are divided, fo as the have two, and the other three.

The Game of Ombre is horrow'd from the Spaniards:

The Game of Owlov is horrowed from the Speniolous, and evaptives all the Filings and Garwing of that Keeple in an evaptive of the Replace of the Speniolous of the Coconemy thereof. one of the Partice think their hand through crosspit to strength for the Speniolous of the Speniolou

will attempt for it, he henceforth is call'd the Ombre; and

will attempt for it, he henceforth is all'I'd the Oaber i and
the other is we been leagued together, like owe Darmers at
the best of the spant him. Now, each has the rethe control of the spant him. Now, each has the rethe control of the spant him. Now, each has the reThere are row ways of his understanding for the Game.
There are row ways of his understanding for the Game.
There are row ways of his understanding for the Game.
In the first, which is the not uteal, sire changing what he
of this Cards he prices, and in their live takes an equal
Number from the remainder of the Pack; the like do the
Norther from the remainder of the Pack; the like do the
Norther from the remainder of the Pack; the like do the
Norther than the control of the pack of the control
Norther than the control of the pack of the pack
of the control of the pack of the pack
of the pack of the pack of the pack of the pack
of the pack of the pack of the pack of the pack
of the pack of the pack of the pack of the pack
of the pack of the pack of the pack of the pack
of the pack of the pack of the pack of the pack
of the pack of the pack of the pack of the pack
of the pack of the pack of the pack of the pack of the pack
of the pack of the pa playing four prendre: It he gams the room in the Cafe, he reaps fomewhat extraordinary, more than in the

If he fail, he is faid to be leafted; and the Failure is If he fail, he is taid to be leaffed and the Failure is call'd a Remije, or Repnefic and if one of the Defenders of the Stake win more Tricks than he, he is faid to win Caddle, and takes up the Stake the Onlive play'd for: And in both cales, the Onlive is to forfeit the Value of the Stake play'd

for to the Board.

tor to the Board.
If the Ombre win all the nine Tricks; it is call'd winning the Fale, and he reaps doubly; and if he attempt it,
and mificarry, he fuffers proportionably. The Overfights,
and Irregularities committed in the course of the Game,
are call'd Bedfie, and subject the Persons chargeable
therewish to Forfeitures.

sac call'd Regies, and dolyk's the Perfous chargeable cheesewith in professions and value for the Carls at a class; it is us to selfered, that the Are of Spudes, call'd Spatist, it is no be observed, that the Are of Spudes, call'd Spatist, it is no be observed, that the Are of Spudes, call'd Spatist, it is no be observed to the Carlson between the rest: And this as low as the Sequence reaches without interruption.

There are some Varieties in the manner of playing the There are forme varieties in the manner of playing the Game of Onbiere: Sometimes be who have Spadile, is obliged to play, let his Game be ever fo bad; which is call'd Force Spadile. Sometimes, when all have passed, a Person undertrakes the Game on condition of discarding, and ma-king up his hand e'er he names Trumps which is call'd

In Ombre by five, which fome even prefer to that by three, as not requiring so much Attention; only eight Cards apiece are dealt; and five Tricks must be won, otherwise

Here the Person who undertakes the Game, after naming the Trump, calls a King to his Affillance; upon which, the Perlon is whole hand the King is, without difcovering himfelf, is to affill him as a Partner, and to share his Fate. If between both, they can make five Tricks, the Ondre wins; and then the auxiliary King fhates the Spoil; and

If the Ombre venture the Game without calling in any King 4 this too is call'd playing fast prendre 3 in which cafe the other form are all against him, and he must win five Tricks alone, or be beafied. The rest is much the same as by three ; matatis matandis.

OMBRE de Soleil, in Heraldry, Shadors of the San, is when the San is borne in Armoury, So, as that the Eyes, Nose, and Mouth, which at other times are reprefented, do not

DiMELET, a Fricalfer, or Feparation of Eggs, with other Ingrelients in a Pan's very airda in Spain; when chier Ingrelients in a Pan's very airda in Spain; dired Soul, which, he fays, that People use for the nice Bis samong the Entralisof Fowls, Ge used for Friedfort, as Livers, Hearts, Kidneys, Gizsards, &c. Trom whence, by refimablence, is formed, assetting, a Friedford of Eggs; by refemblance, is form'd societic, a Pricatice of Eggs: The Tripad derives the Word from assa, together, and some, to dilute, moiften, mix; and M. de la Matte le Fayer from the French Groff, Egg, and metles, mingled. The Forms of Ometers are various: A noted Author in this way, perfers the following one. The Eggs being

beaten, are to be feaford with Salrand Pepper, and them fried in Batter made boiling hot: This done, Gravy to be poured on, and the whole firew'd with Chives and Partley fired finall. When one fide is fried enough, it is to be turn'd on the other. There are also Omeless with Sugar ; Farced Omeless ; Ome-

less the Tarkift way, &c.

OMEN, a Sign, or Indication of fomething Future, ta-ken from the Mouth of a Perfon speaking.

Festure derives the Word Owen from Ovemen, qual fit ore. ce Avouay.

See Avoury.

OLISA Presignieus, smeag the Remart, was the Vou OLISA Presignieus, smeag the Remart, was the Vou of the first Tyble or Century, in their Counts.

All the Country of their Country of the C

INTESTINES.

INTESTIBLE.

It reaches from the bottom of the Stomach (to which it is connected) to the Navel, at which it ordinarily terminates 4 tho in form Subjects it goes further, 6 as upon a Ruprate of the Perinsuman, to fall into the Service. Befide the Stomach, it is father! to the concave Part of the Liver, the back-fide of the Danderson, part of the Calon. the Back, and the Spleen ; its other Extremity to the fmall

Its Form refembles that of a Pouch, or Sachel, which may be inflated with a Blow-pipe to the Capacity of a Its Substance is membranous, confishing of two Leave

its Sublitance is memoranous, confiling of two Leaves, or Coats, between which, and on the Surfaces of which, are innumerable. Veins, Arteries, Nerves, and Vefa Ab-pofs, or Pat Veilöt, varioufly interwove, and by their interfections dividing the Patr into a Multitude of little Arcole, refembling the Maffics of a fine Net; whence its Name,

The Past, in proper Delty, raming along with the other Veifley, renders their Avalar very oblicars; while the other Veifley, renders their Avalar very oblicars; while the intermediate Speece and fill with a transparent Mean-the Intermediate Speece and fill with a transparent Mean-the Deardin Lind of Net. Its Arterise come from the Color and Mojemers, and in Veitnams on the Parts, and are called. The Past, bere, as in the Moniestone Adoption, in either brought by the Delts into the Adoption Colling or delivered from the Cells into the Delts's for the Finencia of the Veifley of the Cells of the Cel

Part, in the fame manner as the Arteries dittribute Blood. See Far and Ducrus. Adopt.

The particular Use of the Omentum is to promote the Perifaltes Motion of the Gutz, by lubricating them with its oily Sublance, which transfacts they its Peress and by following them in their Doublings and Windings, to ferre Database of the Sublance of the Sublance of the Sublance of the Database of the Sublance of the Sublance of the Sublance of the Database of the Sublance of the Sublance of the Sublance of the Database of the Sublance of the as a Beliter to flide upon ; and by filling up their Hollows, preventing their being too much defended with Flatulencies,

yet thing their along no much distincted with Hawlencies, yet giving way to them when replete with Aliment. The Owentom is fingle in all Animals, excepting Men-keys, in which it is triple or quadruple. MOPHORIUM, a little Clock, anticutly were by the Bifthops, over their Shoulders; i thereby to reprefent the

good Shepherd who brings home the firsty'd Sheep on his Shoulders.

For this reason it was put off at the opening of the Gofpels, because then the true Shepherd Jesus Christ, was sup-posed present in Person.

orded prefeat in Perton.

Some confound the Onopherium with the Pallium were by
the Partiarchs; but there was this difference, that the
Pallium was long Clock, of Parple, and was poculiarly referred for Partiarchs; the fince given to fame Biffups by
was of difficients. See Partiarch
The Word is pure Oreck, form'd from East, Shoulder,

and sign, I carry.

OMOPLATE, in Anatomy, is used in the general for

the Shoulder; but, particularly for two Bones fituate on the hind part of the upper Ribs, one on each fide. Thefe These Bones are broad, and especially in the middle; shick in their /pophyjer; of a triangular Form, concave within, and convex without; and are join'd to the Clavicles and Arms-The Word comes from the Greek aus, Shoulder, and

broad

OMPANORATE, the Title bore by the Pricits of the

Hand of Madagafear.
These are the School-Masters of the Country, and teach stable and Writing. They have several Books, but none of them contain more than some Chapter of the Alearan, and a few physical Recipes.

and it sew phylacal Recepes.

They are divided into feveral Orders, bearing fome Refemblance to our Ecclefishical Diagnities: As Gmisaffe, Secretary, or Phylician; Titor, Subdeacon; Mouladia, Deacon; Faquibi, Pricit; Carison, Biffnop; Lamisamaha, Archbiffnop; Ompilipatil, Prophets or Diviners; Subaba Calif, or Chief of the Religion.

In Tallimons, and other care of the Pricing of the Californ of the Californ of the Religion.

Casify, or Chief of the Religion.

The Composure deal much in Talifmans, and other Charms, which they call Hinds, and which they fell to the Grandess of the Place. They all make limit States and no which they fell to the Grandess of the Place. They all make limit States and no which they aftitle various Powers as the making titts, deflowing Bennies, 18°. They have public Schools, where they teach their Superfittions and Sorrileges. The Openfigible pracific Normaney, and are mostly condition on Diffects, and the Saccets of Affairs a religious control of the Casific States of the Saccets of Affairs a religious control of the Casific States of the Saccets of Affairs a religious control of the Casific States of the Saccets of Affairs a religious control of the Casific States of the Saccets of Affairs a religious control of the Casific States of the Saccets of Affairs a religious control of the Casific States of the Saccets of Affairs a religious control of the Casific States of the Saccets of Affairs a religious control of the Casific States of the Saccets of Affairs a religious control of the Casific States of the Saccets of Affairs a religious control of the Saccets of Affairs and the Saccets of Affairs are control of the Saccets of Affairs and the Saccets of Affairs are control of the Saccets of Affairs are control of the Saccets of Affairs and the Saccets of Affairs are control of the Saccets of Affairs are control

OMPHACIN, in Pharmacy, a kind of Oil, pretended to be drawn from Olives while yet green, and four 5 har Fower charges it as an impositor; a daing, that Olives yield no Oil at all till perfectly ripe. See Oix and Oxiva. The Word is derived from the Greek appage, unripe

OMPHALOCELE, in Medicine, a kind of Hermin, or Tumor, in the Navel; arifing like other Hernia's from a Relaxation or Rupture of the Peritonson. See HER-

Its remoter Caufes are violent Strains, loud Cries, abundance of ferous Humour, difficult Delivery, &c.

The Word is furm'd from the Greek impanse, Navel, and zine, Tumor. "Tis otherwife call'd Exemphalus. See

ExOMETIAL Do. Adjenserie, in Anatomy. All Fatte's are wrap'd in at leaft two Costs, or Membranes; most of them have a third, call'd disintedite, or Urinary. Some, as the Dos, Cat, Hare, E's. have a fourth, which has two Blood-Veffels; siz. a Vein and an Arrery, call'd Ossphate-Myjenseries, because passing along the String to the Navel, and terminating in the Myfenrey. See FOUTHS, SECUN-

DINE, Sie.

OMPHALOPTIC, in Optics, a Glafs that is convex on both fides, popularly call'd a Convex-Lens. See Con-

vas-tem.

ONANIA, and Oxantas, Terms fines late Emperies have france to denote the Crims of Self-pollusion; mentioned in Seripares to have been preliable by Omas, and to the control of the control of the control of the control of the control going of Self abouth; for which the Penilment allow to did to red is found to Death. See Peninverson.

ON DERANDO per size Perions; a West which lies for a loin-Tenant, or Tenant to Common, when diffused to from ON GLEE, it used by the French Heradion contents to Change of the Common, when the control of the Common, when the control Tables or Change of the Common, when diffused to form Common Rest than the Propertion of his land comes to. ON GLEE, it used by the French Heradion contents to

pais'd, but none to what is to come. As to the Case of Joseph, 'twas possible for God, who knew all things, to discover to him what was in the Womb of Fate; and to intraduce that, he might take the occation of a Dream: Not but that he might as well have foretold it from any other Accident or Circumflance whatever. Unlefs God, to give the Matter more weight, should purposely communicate such a Dream to Pharael, in order to fall in with the popular Notions of Dreams and Divination, which then prevail'd among the Egyptians.

The word Oniversatia is form'd from the Greek wegs,

Dream, and xpavis, 1 poffers.

ONIROCRITIC, a Title given to Interpreters of Dreams, or those who judge of Events from the Circum-stances of Dreams.

The Word is form'd from the Greek ineless, Dream, and

There is no great regard to be had to those Greek Books

call'd Oniverities 3 nor do we know why the Patriarch of Confiantinople and others should amuse themselves with writing on so pitiful a Subject.

Rigardt has given us a Collection of the Greek and Latin Regasti has given us a Collection of the Greek and Latin Works of this kind, one attributed to Aframpfelders, another to Niesplorus Patriarch of Conflantinople; to which are added the Treatiles of Aeromiders, and Achiver. But the! Books themselves are little olle but Reverties; a kind of

Books themfelves are little elfe but Reveries; a kind of waking Deram, to explain and account for fleeping encs.

The Secret of Onivariatiffin, according to them all, conflist in the Relation (appoint of to be between the Deram, and the Thing fignify d; but they are far from keeping to the Relations of Agerement and Similitand; a and frequently have recourt on others of Diffirmilitande, and Contrariety.

ONLY, or ONLY, in Natural Hillery, a previous Stone,

counted a Species Of Dake Agia. See Factors slove, a counted a Species of Opake Agia. See Factors slove, a list Colours are shally white and black, which appear is Glodours are shally white and black, which appear addition as it lide on by Arr. There are fome brought from steales, mix'd with a greyift Hue; which, after taking off one Lay or Zune, thew another undernouth, of a different Colour. Whence it takes the Name Newphere or Corebas, q.d. answer observ. White Zones or Girlles are correlated and the Concess or Girlles are

Comessas, q. c. states series. White Lonco or Grates are effectial to an Onix.

The Word Onix, in the Greek Language, fignifies Nail's the Peets making this Stone to have been form'd by the Pares, from a Piece of Venn's Nails, cat off by Capid with one of his Artows.

Disseries and Galen rank Alahaster among the number of Onix's; the this is very remote from the Sentiment of the Moderns. See ALABASTER.

the Moderns. See ALRANTER.

ONKOTOMY, In Chiesterey, the Operation of operating a Tunes, or Abriefs; from the Greek irest, Tunes, and Norfest, from the Greek irest, Tunes, and ONOMANCY, or Nonaxeve, the Arr of divining the good or cell Forence to beful! a Man, from the Lenters of which is his Name. Son Name. More than the size of the second of the se fos it to Probus, thus;

> Qualem creavit Moribus, Justit weens Nomine, Mundi Supremus Arbiter,

Thus he plays with tippling Merse, as the her Name told the would drink mere Wine, withour Water, or, as he calls The would drink mere Wine, without Water, or, as he calls it, Merow Bermu. Thas Expectate was observed to be toen in pieces by his Coach-Horles, as his Namo imported; and thus Agamenton fignifyld he flould linger long before Troy. Priaw, that he should be redeem'd out of Bondage in his Childhood. Hitherto may be allo referred that of the control of the contr Claudeus Rutilius;

Naninibus certis aredam decurrere Mares? Maribus aus posius Nanina certa dari?

"The frequency of half and tenesion."

NORGLEE, it seeds by the Freme Breath on Genet we have been considered by the Freme Breath on Genet with the Talons or Clewr of Bestines Rind, when of Colons office. The Breath of Breath on Rind, when of Colons office. The Breath of Breath of Breath on Rind, when of Colons office. The Breath of B

in France

One of the great Rules of Onemaney among the Pythaga-ans, was, That an even Number of Vowels in a Name fignify'd an Imperfection in the left Side of the Man; and fignify d as Imperfection in the left Side of the Man 3 and an odd Namber, in the right, Another Rule was, that rhofe Perfons were the most happy, in whose Names the Numerial Letters, added together, made the greated Sum 5 for which reason, say they, it was that Advike vanquisted Helbers in Numerial Letters in the former. Name amount-

ing, forfooth, to a greater Number than in the latter.

And it was doubtlefs from a Principle much of the famo kind, that the young Rossans touffed their Mifbreffes at a Figure of

Nevia fex Cyathis, Septem Justina bibatur.

Rhaltginss deficiles a fingular kind of Unsuastia: That Tecations, King of the Gabb, being carriers to know the Saccets of his Warr signalist Re-Russian; an Oussanzian Saccets of the Warr signalist Re-Russian; an Oussanzian Saccets of his Warr signalist Research Saccets of the Saccets of th

Gebri. The Word Omessania is form'd from the Greek ένεως, Νοπες and μεντίες Drehmison. Indeed there is founching in fingular in the Exymology: for, in fifthelis, Omessary fhould fignify Desimalia by Affect from ωΦ, Δβοικ, and to fignify Devination by Momes, it floud be accrete. An of the first production by Nomes, it floud to

ONOMATOPÆA, in Grammar, &c.

Speech, whereby Names and Words are form'd to the Refemblance of the Din or Sound made by the Thing figni-fy'd; as Triegne-Track, from the Noife the Ladies make at this Game: And from the fame Source arifes the Buzzing of Bees, the Granting of Hogs, the Cackling of Hens, the Surving of People affect, the Closhing of Arms, Sec.

The furell Etymologies are those deduced by the Osema-

The Word is form'd from the Greek space, Name, and

osi, finte, I make, feign. ONONYCHITES, formething that has the Heofs, that is, the Feet of an Afr. A Name the Heathers, in the first Century, gave the God of the Christians, because they owned and adored the fame God with the Jews. Now owned and adored the fame God with the Sters. Now 'swas a Notion, (howforer it had its Rife) as appears from Orn. Tantas, Bift, lib. 5, c. 16, That the lifeasition, much af-flitted with Thirth, were led to a Spring by an Afa going to drink; and that in gratitude for the Exectif, they worthly-ped an Afa; and that the Christians did fo likewife. See Tertall. Aphi.
The Word is form'd from the Greek or@, As, and int.

ONTOLOGY, or ONYOSOPHY, the Doctrine, or Know-ledge & Ente, of Ecing, in the General, or Abstract. See

ENNS. Ontology coincides with what in the Schools we more u-fually call Metaphylicks. See METAPHYSICES. ONYCOMANCY, or as found have it, ONYMANCY, a kind of Divination by means of the Nails of the Fingers. See NATE.

See NAIL.

The antient Practice was to rub the Nails of a Youth
with Oil and Seor, or Wax; and to hold up the Nails thus
rubbed against the Sun. Upon them were furposed to appear
Figures or Characters, which flew'd the Thing required.

Hence, our modern Chiromancers call that Branch of
this day, which relates the Language of the Chirolague. their Art, which relates to the Inspection of Nails, Onyco-

The Word is form'd from the Greek ing, Nail, and

OPACITY, in Philosophy, a Quality of some Bodies, hich renders them Opake, i. c. impervious to the Rays

of Light. See LIGHT

The Term Opacity is used in opposition to Transparency. See TRANSPARENCY. Opacity, according to the Caregians, confids in this, that

the Porcs of the Body are out all firsit, or directly before the Peres of the Body are out all rists, or aircuty octore each other; or rather, not pervious every way.

But this Doctrine is deficient for the it must be allowed that to have a Body transfarrent, its Peres must be straight, or rather, open every way: Xet how it should happen, that not only Glafs and Diamonds, but even Water, whole Parts are lo very moveable, should have

water, whose Paris are to very movement, income have all their Peres open and pervious every way; and at the fame time, the finest Paper, or the thinnest Gold Place, fhould exclude the Light for want of such Pores, is incon-ceivable. So that another Cause of Opanisy must be

Now, sil Bodies have vsftly more Pores or Vacuities, than are necessary for an infinite Number of Rays to find man are occeively for an intunte sommer of Ways in the afree Effigure there then in right Lines, without firthing on any of the Parts themselvee. Per fince Water is nineteen times lighter, i.e., extract, that Ooold's and yet Oold riself is fo very rare, that Magnetic Efficient parts freety they without any opportions and Ogickelive is exactly within its Farty, and even Water Held Body and the sense of the analysis of the control of the sense of the control of the sense quently, Water must have at least forty times as much Va-cuity as Solidity. See Pone.

The Caufe therefore why fome Bodies are onake, does not confift in the want of rectilinear Pores, pervious every way; but, either in the unequal Denfity of the Parts 5 or in the parts of the parts of the Parts 5 or in the parts of the Parts 5 or in way; out, either to the unequal Denhry of the Farts 3 or in the Magnitude of the Fores, and being either empty, or fill'd with a different Matter; 5 by means whereof the Rays of Light, in their Paffage, are arrented by innamerable Re-fractions and Relexions; till, falling at length on fome fold Part, they become qualte extinct, and are atterly abforb'd. See Ray and Raya a critical.

fold Frar, shey become quite canied, and are unterly should be reported by the control of the co

timately pervade their little Pores, become more transparent than before. On the contrary, the most transparent rent thin 'hefore. On the contrary, the most transpurent Sabilances, by empiring their Peres, of feperating their Sabilances, by empiring their Peres, of feperating their Paper, or Oselan Monda, by driving 3 Horn, by Ceruphus, Cfaft, by yalversings or flavong 3 and Water Infelf, by being beast into Bubbles or Froth, are reader? Opsie. The property of the property of the property of the property to the property of the property of the property of the property For the most opack Bodies that are, if their Parts be very manacyl wireled, as when Measts are divided in Acid

Mentruums, become perfectly transparent. See Colour, Transparency, &c.

OPAL, a precious Stone, of various Colours. See Par-

Clous Stone

In it are feen the Red of the Ruby, the Purple of the Amethyli, the Green of the Emerald; besides Yellow, and sometimes Black and White. When the Stone is broke, most of these Colours disap-

ear; which fhows that they arife by Reflection from one or two principal once.

Its Form is always either round or oval 5 its prevailing Colour white. Its Diverfity of Colours makes it almost of equal Value with a Saphir or Ruby.

equal Value with a Saphir or Riaby.

Therenier Jaya, perhaps formewhat 100 pofitively, that
there are Mines of Opal in Turkey. Other Authors, antient
and modern, (ay, Cyprin, Arabin, Egypt, Bekemin, and Hungary, produce it; whence it is diffinguiff in one two kinds
Oriental and Occidental. "Its 100 for to bear polithing with Pewter or Lend; fo that they are obliged to polish it with

review or Leas 3 to inst truey are conget to point it with Flory among the Andrean, and Ferra and Alleran Magazir among the Moderns, are very copious on the Virtues of the Orgal 5 fericols, because it has the Colours of all the o-ther precious Stones, it must have all their Virtues to. The Andreas Call it is Fadoris, from its promoting Love and Good-Will. Plays and chims mention a Species of which the Call of the Colours of the Colours of the Varieties of Sec. In the Philideets Transist. Mr. (Colours of

Artificial Or AL. In the Philosoph, Transall, Mr. Colepresse gives us an account of the manner of counterfesting Opal, gives in a secoust of the number of counterfitting Guid, as practiced at Horizon. He flays, the Counterfits is very as practiced at Horizon. He flays, the Counterfit is very likely and which is deformed by the Degrees of Heart, and which is deformed by the Degrees of Heart, and which the Counterfit is the Point of a Inte-Red, which being could in their in the air or Warr, is co-tained by the Counterfit is the Counterfit is the Counterfit is Heart of the Heart of the Heart of the Heart of the Heart Heart of the Heart o

OPALIA, or Oriconstva, Feaths celebrated at Rome, in honour of the Goddels Ops. Varro fays, they were held

three days after the Expiration of the Saturnalia.

According to Massobiat, they were held the nineteenth of Descoder, which was one of the Days of the Saturnalia. He adds. adds, that these two Feasts were celebrated in the same Month, because Siturn and Opt were Husband and Wife; and that it was to them we owe the Invention of Corn and Fruits : for which reason, the Feast was not held till the Harvest

and Fruit-time were intirely over.

Lafly, he observes, that the Vowa offer'd to the Goddes, were made fitting on the Ground; to shew that she was Earth, the Mother of all things.

OPENING a Yen, fee Blee on the grant of the OPENING a Yen, fee Blee one, is that part of the OPENING Flank, in Fortification, is that part of the Flank which incover'd by the Orillon. See FLAMM.

OPENING of Tremeler, is the first Breaking of Ground by the Befiegers, in order to carry on their Approaches towards a Place. See Transcr.

wards a Place. Sec Tranch.

Ofbining of Gatz, in Altrology, is, when one Planet
feparates from another, and prefently applies to a third
bearing Rale in a Sign opposite to that ruled by the Planet
with which it was jourd.

OND A Planetic Composition for to Masic, and Sung

OPERA, a Dramatic Composition fet to Music, and sung on the Stage; accompanied with mufical Inframents; and enrich'd with magnificent Dreffings, Machines, and other Decorations.

Brayer ays, that 'cis effential to the Opera to keep the Mind, the Eyes, and Ears in an Enchantment: S. Everessord calls the Opera chimerical Affemblage of Poetry and Muficial where the Poet and Mufician each cramp the other. The Opera we derive from the Venetians, among who tis held one of the principal Glories of their Carneval.

See COMEDY. While the English and French Comic and Tragic Theatres were forming, the Penesians invented the Opera: The Ab-bot Persin, Introductor of Embaffadors to Gaffon Duke of Orleans, was the first who form'd the Design of introducing 'om into Paris; and he obtain'd the King's Privilege for the cm not raise; and hoobtaind the king's rivilege for the fame in 1669. And it was not long of at it pass'd thence into England. The Spectator observes, that the French Music agrees with their Accord and Pronunciation, much better than the English; and are at the same time better calculated for the gay Humour of that People. See Re-

At Rome they have a kind of Sphinnal Opera's, frequent in Lent; confifting of Dialogues, Dues, Tries, Ritornella's, Chorus's, Etc. The Subject whereof is taken out of the Scriptner, the Life of fome Sains, or the like. The Balant call 'em Oranoris': The Words are frequently Latin;

and fometim OPERATION, in the general, the Act of exerting, or exercising some Power, or Faculty, upon which an Effect

carcining four Fover, or Tacsley, upon which as Effect follows. See Power, and Tacsley, upon which as Effect follows. See Power and the Companies of the Missa. The sobbiet Operators of Man, is that by the Schoulton called Visit, or immorrance, with the Operation of the Missa. The Companies of Power and Po

Ellecding is a very common, but at the fame time a dangerous Operation. See PHLESOTORY and BLEEDING.
Trepanoing is one of the fineft Operation in Chiurgery.
See TREPANSING. The Cofarian Operation is the cutting a Weman with Child, and drawing out the Child through one fide. See CREARIAN.

a Wenna with Child, and drawing out the Child chrough one fiels. See Casanta R., The other Change, Taylor, and The other Change, Taylor, and the Change of t

OPERATIONS, in Chymistry, are the Processes, or Experiments, by means whereof the proper Changes are produced in Bodies, and the Effects of the Art procured. See

Now, the Changes Chymiftry produces in Bodies are re-ducible to two Kinds, wis. an Union of Parts, and a Sepa-ration factoof: Thus Chymiftry either feparates Sais Salts, Oils, &c. or compounds 'em together

Salte, Olis, Se. or compounds om together.

A Chymical Operators, these confiles in changing the Situation of the Parts is particularly, either in moving form adding new Parts, which is call'd permaing; or in adding new Parts, which is call'd aming.

All Chymical Operations, therefore, are redeaffle to two Kinds, we. fach whereby the Parts of Bodies before join'd

or united, are separated, which the antient Chymists call'd Salation; and such whereby the Parts before dis-juined are combined, or united, call'd Congulation. See SOLUTION and COAGULATION.

and CORPLATION.

Some, however, object Digettion as a third Species of Operation, not reducible to either of 'em: But Bereharee flews, that it is a Composition of both. See Digestion.

Most Chymlith, however, look on this Division as factor accurate and minute concept, and fubdivide it into a number of providence of the control of the accurate and binnuc coougn, and lubdivide it into a num-ber of particular, or fubordinate Operations; as Calcination, Virification, Dijililation, Sublimation, Cababation, Josephanicon, Francistanon, Paterfation, & Ec. See each in its Place, Cal-CINATION, VINEIFICATION, SULLIMATION, DISTIL-

CIMATON, VIVÁITICATION, SUBLIMATION, DISTIL-LATION, FRABENTATION, GOOD for the Address best ACTION, FRABENTATION, GOOD for the Address best of the Word, said the Man, in Jofac Chrib. The Orthodox teach, that there are two Optomizer in Jofac Chrib, the cose clivine, the other human is and not related to the Christian of the Christian of the Christian John Christian and Moneylers. See Than sone; gife: lower than the Christian of the Mannes and the See OPERATON, in Medicine, gife. a Ferfice who speciety, creditor, in Health, on the human Budy, to pefere creditor, in Health, on the human Budy, to pefere creditor, in Health, on the human Budy, to pefere creditor. in Health, on the human Budy, to pefere creditor.

or works with the Hand, on the human Hedy, to preterve, or reflore, its Health.

Thus we fay Operator for the Some, meaning a Lithstemill, or a Perfon who court. See Lithstonia, Grant For the Eyet, a Perfon who couches Catracta, Ed. See Cara-

RACT. Operator for the Teeth, a Tooth-Drawer. OPHITES, in Natural History, a fort of variegated Marble; otherwise call'd Serpension. See Marble and

SERPENTINE. It is thus call'd from the Greek opes, Scrpent; by reason its Spots resemble those of that Animal.

OPHITES is also a Sect of antient Heretics, who sprung out of the Graffier; so call'd from their worshipping the

Serpent that feduced Eve Serpent that feduced Leve.

This Serpent, they taught, was infitredted theroughly in all Knowledge 5 and make it the Father and Author of all the Sciences. On which Principle they built a thousand Chimera's 5 part of which may be form in St. Epiphanias. See

They faid this Serpent was the Christ; that he was very different from Josus born of the Virgin, into whom, faid they, the Christ descended; and that 'twas this Josus, not the

the Christ descence; and that rewas this jetus, not the Christ, that fuffreed. Accordingly, they made all those of their Soft renounce Jetus. The Schisms, or Schieres, mentioned by Theodores, were either the fame with the Ophines, or very little different

OPHIUCHUS, in Aftronomy, a Confiction of the Northern Hemisphere; call'd also Serpentation. See SER-

PENTABIUA PENYARUS.

OPHTHALMIA, or OPTHALMIA, in Medicine, a Difease of the Eyes; properly, an Inflammation of the Tomica
dinate, or Companition is accompanied with a redness, heat,
and pain. See Eye.

The Ophidalmia is either moift, or dry: In the first,
there is a shedding of Tears; in the fecond, none as

it formetimes happens in the Ophthalesia, that the two Eye-lids are fo differred, that the Eye continues configurly By-said are to distroted, that the Eye commons confinently copy, without found able to first which in call d'afferer's Eye common and the Eye came to be specified by the Eye came to epecific which is call'd spacers; yet, deficier of things that finded be open. The immediate Caufe of the Ophthalmin, is the Blood following in too great abundance in the little Viella of the Ophthalmin, is the Chanta, to as to tipping therein, and dilletal them. The remove Caufer are the farme with half of of other Inflammania Caufer are the farme with half of other Inflammania Caufer are the farment are the farme with half of other Inflammania Caufer are the farment are the farment are the farment are the caufer a

Crifus calls the Ophthalmin, Lippitus, by reason of a Gum sticking to the Eye-lids in this Disease, which the

Gam ilicking to the Eye-lits to the Lener, warca use Lain call Lipps Request to know platfartic Opiologia, In Summer his frequest to know platfartic Opiologia, In Summer his frequest to know the Company of the Len-phane Academy mention as Opiologians cared by applying Cowa-dean, while hor, between two linean Clorida, and Eye. A Four Peroper, and the Fat and Gall of a Viger, The World Company of the Peroper Company of the Company of the

The Word is form'd from the Greek influence, Eye

Pitcain, and fome others, diftinguish an external and ternal Ophthalmia; the first in the Admora, which is that

internal Ophshabmin; the first in the Jahana, which is that historic point of the feeting in the Keins. The Sympons are indixtures of the Inters, are Muje cultimater, Dath feetings to if in the Air, if S.—See Un vera, if S.—ITA, which invertence, degenerates, or ends in a Ganta Green, or America, or America, See Curva Service, or ends in a Ganta Green, or America, See Curva Service, or the modern Pra-Street, or America, or America, or America, or Control of Vishabmuni, according to the Control of Vishabmuni, according to

tion, that no Difeate requires copious bleeding fo much as OPHTHALMICS, Medicines proper for Difeafes of the Eyes; as Ophthalmic Waters, Ophthalmic Powders, Ointments, &c. See Eyes.

ments, &c. See Exes.
There is an excellent Ophibalmic prepared of Sugar of

Saturn.

The fifth Pair of Nerves of the Brain, dividing into three Braoches 3 the first is call'd Opishelmin, because it goes to the Eye: This again subdivides into two Branches, after feeding out ferred Things which encompast the Optic Nerves, and are distributed in the Chronics. See NERVE.

OPHTHALMOGRAPHIA, that Branch of Austomy which confiders the Structure and Composition of the Eye; the Use of its Parts, and the principal Effects of Vision. Scc EYE.

See Exe.

Our Countryman, Dr. William Briggs, has published an excellent Ophibalmographic, and Plempins another.

The Word is form'd from the Greek solestµ⊕, Eye;

The Ward is form'd from the order speedure, Eye, and yees, Defeription.

OPHIHALMOSCOPIA, that Branch of Phylioganus which confiders a Periors Eyes; to deduce these the Knowledge of his Temperament, Humour, and Manners. Sec PHYSIOGNOMY.

See Pitti Grander, and Common, and Allmette. OPIATE, in Medicine, any Compilica wherein Opiation, it is in Ingredient. See Orivity.

13 in Ingredient. See Orivity. The Concellation, Amir-dors, and Electrical in the Gene Pit, in Coly Pitterple and Control, and Electrical in the Gene Pit, in Coly Pitterple applicable to felf. Compositions: In which faint is the distinct and internal Remedy, variously composed of Powders, Paleys, Leguers, Septer, or Hercey, reduced into a foil Control of Contr

There are a parricular kind of Opintes, call'd Incarnations, for the Teeth and Gums, made of Alum, Sumach, Ligfor the Teeth and Gunns, made of Alum, Sumach, Lig-num Alors, Myrth, Mattie, 'Et. reduced into Powder. OPIATES is allo sted in the general for all Medicines given with an Intention to procure Sleep; in which fenfe the Werd is of the fame Import with Narcotics, Hypnoics, Seporities, and Pacifics. See SLEEP, NARCOTIC, HYP-NOTIC, 55.

The Operation of Opiares, or the manner wherein they roduce their Effect in the Body, Dr. Quincy thus lays

down:
All Pain is a Stimulus on the Part afficited, and is attended with Contractions of the pained Membranes, which
occasion a greate Afflux than ordinary of the nervous Juice
that way: On the other band, Pleafure, or a deligated
Scrittsion in any part, is accompanied with a Imooth Undulation, and early Reflux of the nervous Juice towards, the 

the biomach, together with a difference of its Membranes, is the immediate Caufe of that Sleepineft, to which we are inclinable after Eating; the one engaging the Mind, the other selling on the Body. For Pleature amufes the Soul, and the Fusions of the Veffel's in the Brain, checks and hinders, in form mediare, the derivation of the nerrous

Juice into the Organs.

Now, to apply this; a moderate Dole of an Opiate, Now, to apply this a moderate Dote of an upage, utually transports People with a pleasing Sensition, to the degree, that, as they often express themselves, they are in Heaven a and the they do not always sideep, (which pro-ceeds from the prefentation of pleasing Images to the Mind for themselves and the property of the property of the pro-

ceeds from the preferention of pleating Imagio to the Mont of troughly this, the Deransh, they do over-capture the fortungly this, the Deransh they do over-capture the fortungly this, the Deransh they do over the preference of the preference of the preference of the preference for the preference of the preference of the preference for the preference of the preference of the preference contents degree, all their Edicks which is not for more emitted eights, and the preference of the preference of the and white opening of the preference of the preference of the and white perfect of the preference which are laborating and only for they highly ready one which are laborating and only for they highly ready the preference of capture of the preference of the preferen

cateraisted with Ideas of Satisfaltion and Delight.
And thus, we calify fee upon what Mechanifus the other
Virtuse of Opiases depends for their eafing Pains, checking
Reveautions, Ech proceed nor early from the Mind's being
when up with a pleifulge Senfa, whereby it is diverted from
adiagneeable one is but all Pain being attended with a
Categoriested one is but all Pain being attended with a
Categorieste one is the Relaxation of the Fibres, which
they easile, clustes and delitors he Force of the Simulas.

Options are found to these jemenders a Secretions and Executions, which they do by remodelines in the Control of the Organs, whereby they are occasioned. And instance of the Organs, whereby they are occasioned. And instance of the Control of the Opiates are found to abate immoderate Secretions and Fars, by preming a position and the reason of that Difficulty of breathing, which Opiates occasion; this Symptom being in-feparable from the Rarefaction of the Blood in the Lung.

OPINION, a probable Belief; or a doubtful, and un-train Judgment of the Mind. See Belief. Opinion may be strictly defined the Affent of the Mind to by necessary the Face of Truth. See Taurn, and Enance,

alfo FAITH, &c.

allo Farrii, 80.
The Schools define it, Affenfus Intellettat come formishine de oppyins; An Affent of the Understanding, with some sear or distruit on the contrary part. Thus the Logicians say, that Demonstration begons selence, or Knowledge; and probable arguments beget Opinion. See Knowledge and probable arguments beget Opinion. PRODABILITY.

Wherever the Mind's Acquiescence in a Truth proposed to it, is accompanied with any Doubt, this is what we call an Opinion. See Doubt 186.

to it, its accompanies with any Louart, this is what we can Opmon. See Dowardson.

Flase makes Opmon a Medium between Knowledge and Bignorance ; learer and more expects than Ignorance; yet more obscure and unfatisfying than Knowledge. See In-

OPISTHOTONOS, in Medicine, a kind of Convultion. wherein the Body is bent backwards, so as to form; as it were, a Bow; in which sense the Word is used in opposition to Emprosiberator, wherein the Body is bent forwards. See CONVUESION.

The Opplissoner arifes from a tonic Motion of the Mulcles of the policrior Parts of the Body; especially those on the back of the Head.

The Word is compounded of the Greek or 1844, backward,

behind, and runn, tendere, to firetch, bend.

OPIUM, in Pharmacy, &c. a Juice drawn from the
Head of the black Poppy, and afterwards infpiffated. See

When the Juice flows of itfelf, thro' Incitions made in the Poppy Heads, it is properly call'd Opium; when drawn by Expression, it assumes the Name of Measurem. See Ma-NITTM

The difference between the Qualities and Virtues of the two Juices, is very confiderable: The former is preferable on all accounts 5 but it is exceeding rare; the Turke, among whom it is produced, and who make great als of it, among whom it is product, and it is the latter that is ordinarily used among us, and fold for Opiass.

"Tis mostly brought from the Lexan and Cairs ; gene-

As mostly brought from the Lexan and Čaire § gene-rally very impare; the Lexanizar, to florter their La-bour, and to have the more Juice, drawing it equally from the Heads and the Lexares of Poppies, by Expertifion, and then reducing it to the thickness of an Extract by Fire. It must be chosen by the formorbeth, and blacketh possible, of a drowsy small, and neither rugged, nor sticky, nor all in a black.

nor all m a Mais.

This a popular Error, that there is any fuch thing as white Opmon i for the Jusce as it runs from the Heads of the Poppies be of a Milk-colour, it always becomes of a very deep brown as it thicken. Wherever it is found yellowish or fort, 'tis a sign the Jusce has not had Firo enough.

crougo.

Prepared Opium is call'd Landamum; of which there are
two Kinds: the one, Simple; extracted by means of RainWater, and Spirit of Wine: The other Compound, call'd
Landamum Opiamum; wherein there enter feveral other Ingredients. See Laudanum. The Uses of Opum are to sooth Pain, to excite Sleep, to stop Vomiting and Loosenesses. Its Dose is from half a

Grain to two Grains. Some Perfons, who have much habi-Grain to two Grains. Some retions, who have much hand trated themfoltes to it, can take 50 or 60 Grains. Cantral fays, he has taken 12 Grains himfelf 5 and adds, he knew one who made no feruple of 56. Add in the Philof. Tranf, we have an inflance of one Mrs. Leavieck, who, in a Event hand to the Charlest of the Charl we have an inflance, of one MILL LOURING, who, MR EUTH, in three daystime, took no Grains.
It raifes the Spiris, necessions agreeable Senfations, and has much the fame effect with Wine or fitring Spirits. The Tawks ordinarily take to the quantity of a Drachen when they

they go to Battel, or undertake any Affair that requires Vigour and Force Viguur and Force.

Opium flops, for a time, all Overflowings of Humours,
Fluxes, Hemorrhages, & probably from the Imoothnefs and roundacts of its Parts, which by a kind of Titllation, oblige the Inteffines, and other Veffels to con-

The Word is form'd from the Greek coles, Juice.
OFOBALSAMUM, in Pharmacy, a whitith Juice, Gum, or Refin, diffilling from the Branches of a Tree call'd Ballmann, or the Balm-Tree. See Balm.
Tire whiting to seem their control of the Salm.

"Tis whith, pretty thick, transparent, of a Smell ap-coaching Turpentine, but much more agreeable. "Tis the fame with the celebrated Eassans versus, o

Balm of the Legant; at least the difference is not visible, nor can Authors hx it. See BALM.

I tobtains a Place among the Alexipharmics, and is a
good Ingredient in the Theriaca Andronachi, and Mithridate 3 very ill Supply'd with the experfied Oil of Mace
for a Succedaneum, which does not at all come up to the
fabrilly and activity of its Parts, but is of a much heavier
Therape.

Texture. This, as all other Balfams, is Supparative, Deterfive, and Incarnating, apply doarwardly to Tumors, Ulcers, or green Wounds. See BALSAM.
OFOPANAX, or OFOPONAX, in Pharmacy, a Gum, yellow without beful, white within, fat, brittle, of an agreeable Talie, and a very firong Smell. See Go Grand The Larne call it Panear levelacions, both Herodley, Mon.

The Larms call it Panaces Herselcom, from Herselco, who is fuppord to have invented it, or rather who first flower'd its specific Virtues. The one of the three celebrated Panaces, or universal Medicines, they attributed fuch wondersal Virtues to. The two others are the Melepians and Chironium; the first found by Efculapius, the second by

SCO PANACEA. Chrom. See Panacea.

The Gum Opposite flows by Incideo from a Plast growing abundantly in Achaia, Rentle, Pleasy, end Macchanie,
ing abundantly in Achaia, Rentle, Pleasy, end Macchanie,
at flutnes a beautiful golden yellow.

There are three Kinds imposted; that in Tears that
the Masig and that counterfeited, of flatted.

The first is the best, and the focund is the better, as it
as the more Tears, the third is a rank Sophiliteation, and

good for little.

good for little.
It is little side internally; the "Etmslier ranks it among Catharics. Its chief Ule is in the Gare of Woman's whence it enters the Composition of the Crymenson Distance, with the Gallamon, Admentias, and Sallamon. The Word is fortal from the Good Sallamon. The Word is fortal from the Good Sallamon.

GIPPLLATION, in Medicine, the Act of obtracting, or Camerica as the Judge 2 to 10 to

flopping up the Ducts, or Paffages of the Body, by evil or peccant Humours. See Osstruction.

The Word is chiefly used for Obstructions of the lower

Vifeid, heavy Foods, difficult of Digeftion, are oppila-sive; don't pals off well, but flop in the Mouths of the Veffels.

OPPONENT, a Person who withflands, or opposes another. See OFFOSITION.

The Term is chiefly used in speaking of Scholastic or Academic Disputes or Exercises, where a Person who opposes a Thesis, or impages it by his Objections, is call'd

Opponent, Opponent.

OPPOSITES, Oppositia, Jimply, among Logicians, are fuch
Things as differ among themselves; so, as not to differ in
like manner with seme third. By which Circumstance,

like manner with form third. By which Carcamitance, opposition differ from Dispractic Rinds of Opposition; viz. relations, ownership, privatively, and contradistivily Opposition, relations, contrastly, privatively, and contradistivily Opposition, for either, fay they, the Opposition is between Ent and Ent, or between Ent and Note Ent. If the former, it is either with a dependant Ent, which makes a relative Opposition, with a dependent Ent, which makes a residue Opposition, the lowest of all je or an independent one, which is a commercy one: If with a Non Ent, it is either with a Non Ent framelma spaid, which is presure; or with a Non Ent simply, which is the highest Opposition. See RELATIVE, CONTABLY, PRIVATIVE, and CONTABLICTOR.

CONTRARY, PRIVATIVE, and CONTRADICTORY.
OPPOSITES, Oppoline, complexity, ore Propositions that clash with each other: As, Man is an Animal; and Man is not an Animal. See Opposition.
Opposites Amples. If a Line ST (Tab. Geometry, Fig. 46.) meet two other Lines, AP and BR, in different

Points A and B, but in the fame Direction; the Angles a and y, as also a and y, hereby form d), are called opposite durgles; particularly, whe exercent opposite durgle, and a the internal appoint durgle of y.

OFFORTER CORN, OF a dubile Corn, two fimilar Cones, vertically opposite, and having the fame common Axis. See, Const.

Sec Con E.

OFFOST'TE Sessions, are the two Hyperbola's made by a Plane cutting both those Cones.

If a Cone be cut by a Plane through its Vertex, and afterwards by a fecond Plane parallel to the former; this latter Plane produced thro the opposite Cone will there make the opposite Sciions. See Sections.

OPPOSITION, in Geometry, the Relation of two
Things, between which a Line may be drawn perpendicu-

OPPOSITION, in Logic, a Quality of Disagreement, be-

tween Propositions that have the same Subject, and the same Attribute. See Proposition.

Opposition, is faid by Logicians to be either Complex.

or incomplex.

or Incomplex.

Incomplex, or Simple Or POSITION, in the Diagreement of two things, which will not fulfer each other to be in the firms oblight. These Heat in oppored to Cold is Spite to District, the Position of the Cold is the Cold in the Cold is the Cold in the Cold i

The later Schoolmen, deviating from their Master, de-fine Opposition so Affection of the Enunciation, whereby two absolute Propositions, the same Extremes being supposed

in the fame Order, and Number, and understood any ambiguity, of the fame thing, oppose each other, either in respect of Quantity, or of Quality; or of both. According to the former Definition, there are three Spe-cies of Oppolition; Contrary, Subcontrary, and Contradition;

According to the fecond, a fourth Species is admitted, we-To know how and wherein, Propositions are opposite,

they must be compared in Quantity and Quality, all the ways they can be compared in: If they be opposite in Quality and Quantity is A. if the one be affirmative, and the other Negative; the one controlled, the other Particular, they are fail to be comradilary; c. gr. No Fleature is allowed; four et Pleafure is allowed; Sec Convinance.

If they be only opposite in Quality, and not in Quantity, they are call'd Contraries, if Universal; and Sab-sourceries, if Particular; e.gr. All use of Wine is Evil; no use of Wine is Evil. Some Means of preferving Reputation are allow'd; fome Means of preferving Reputation are not allow'd. See Contrart, Se.

allow'd. See Contradity of.

If the Propositions be only opposite in Quantity, they are call'd Subattern; o.gr. Brety Man is liable to Sin; forme Man is liable to Sin. But this last is no proper Opposition; inclinated as the universal Proposition always includes the particular one. Singular Propositions, which can only be opposed in Qua-

ty, are reducible to contradictory ones.

lity, are reducible to contrainceopy ones.

The efficiental Properties of Propolitions confider'd with regard to their Oppolition; are, s. That of two contradictory Propositions, there is one always true, and another falle, z. Two contrary Propositions can never be both rure; but may be both falle, z. Sub-contrary Propositions may be a sub-contrary to the Autobute of the sub-contrary to Autobute the sub-contrary of the Autobute of the sub-contrary of the sub-contrar may be both raite, 5, substituting the Attribute is accidental to the Subject; but when it is effential to it, the one is true, the other false. 4. Subalterus may be the one is true, the other falle. 4. Subalterns may be either true or falle at the fame time; or the one may be true, the other falle. If the Attribute be effential to the Subject, the fubaltern Affirmatives are true, and the Ne-gatives falle; but if the Negatives deny the Subject an Attribute incompatible with the Subject, they will be both true. When the Attribute is accidental to the Subject, the univerfal Subaltern is ordinarily falfe, and the particular one

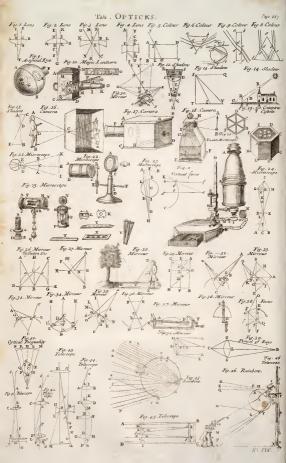
true.

Opposition, in Rheteric, a Figure, whereby two things
are affembled together, which appeared incompatible; as
when Hernee fays, a mije Felly.
In Ecobour's Notion, this Figure, which feems to deny
what it effablishes, and contradicts itself in Appearance, is

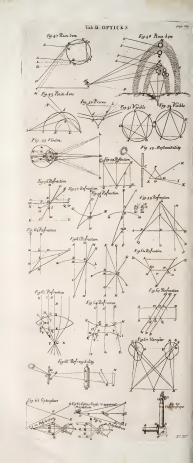
very Elegant. OFFOSITION, in Aftronomy, is that Afpect, or Situation of two Stars, or Planets, wherein they are diametrically opposite to each other, or 180° a-part. See Conjunc-

When the Moon is dismetrically opposite to the Sun, so that she shew hole illumined Face; she is faid, with regard to the Sun, to be in \$0.99\sqrt{sins}\$ and she is then faid to be in her Fast, and shines all Night long. See Phasis.









Eclipfes of the Moon never happen but when fite is in Opposition with the Sun, and when they both meet in the Nodes of the Ecliptic. See Ecuipses. Mars in his Opposi-

Nodes of the Ecliptic. See ECLIPSE. Mars in his Oppoli-tions to the Sun, is nearer the Earth than he is to the Sun. OPPROBRIL Lepix, fee Lepix VIYDERSII. OPSONOMUS, in Antiquity, a Magistrate of Abens, whereof there were two, or three; chosen out of the Senate, or Council. Their Office was to infpect the Fish-Market, and to take care that every thing were done in Order,

and to take care that every tung were done in Under, and according to the Laws.

OPTATIVE, in Grammar, the third Mood of the Conjugations of Verbs, ferving to express an ardent Desire or With for any thing. See Moon.

Instead of a systricture Mood, or a particular Set of In-

fexions to experis this Defire, the English, Latins, &c. cx-prefs it by an Adverb of Wifning prefix d to it. The Latins by Utinam; the French by Plata Dieu; and the English by

Would to Gad, S.C.
In these Languages, setting aside the Adverb, the Option to the Languages, setting aside the Adverb, the Options of the Verb, which make what we call the Moods, are the

fame in both.

fame in both.

Indeed, in the Greek, the Wifh is express'd by a particular instead, thence call'd Optative; and in the French, Spanish, and Italian, there is something like it; their triple Tracks ferring the fame purpose. But the Optative Mood may be stelly retreach'd from the Latin and English. Sec Susjunctive.

OPTERIA, among the Antients, Prefents made to a Child, the first time a Person sawit.

The Word was also used for the Presents which the Bridegroom made his Bride when she was conducted to him; this being the first time he saw her. See Barbsi.

de Paerp. Fer.

The Word is form'd from the Greek somuss, I fee.

OPTICS, is properly the Science of direct Vision. See

VISION.

Tho', fometimes, the Word is used in a larger Sense for the Science of Vision, or Visibles in general: In which Sense in includes Catoptrics, and Dioptrics and even Perfective. See Caroptraces, Dioptraces, and Perstace-

Opici in its more extensive Acceptation, is a mix'd Ma-thematical Science, which explains the manner wherein Vifini is perform'd in the Eye, treat of Sight in the ge-neral; gives the Reasons of the feveral Modifications or Alterations which the Rays of Light undergo in the Eye; and flews why Objects appear formitismer greater, some times finaller, formetimes more more more more con-

confuled, fometimes nearer, fometimes more remote. See

In this extensive Signification, it is considered by Sir If.

Newson in his admirable Work called Optics.

Optics makes a considerable Branch of Natural Philoso-Upter maxes a connacrable teranch of Natural Philosophy both si explains the Laws of Natura, according to which Vifion is perform'd; and as it accounts for abundance of Physical Phenomena, otherwise inexplicable. For what can be determined about Light, Colours, Transference, One of the Physical Phenomena, the Colours, Transference, One of the Physical Phenomena, Charles Reidenburg, Carlotte Physical Physi For what can be determined about Light, Jobbs, I Resired parency, Opearty, Brightmels, Meteors, the Rainbow, Parhelia, 12c. but on Principles of Opinst What about the Nature of the Starts 'The Structure of the Mandane Syflem t The Motions of the Planets? The Eclipfes of

the Luminaries ? &c. Opties, therefore, make a confiderable Part of Aftro-

nomy. See ASTRONOMY.

From Optics likewife artifes Perfpediree; all the Rules whereof have their Realon or Foundation in Optics. Indeed Tacquet makes Perfpedirea part of Optics; the John Archbidhop of Cantolway, in his Perfpedirea Communit, calls Optics, Catoptrict, and Dioptries by the Name Perfpedire.

See PERSPECTIVE.

See PERSPECTIVE.

Exclid has wrote on the antient Office and Cataptrics:
Dioptrics were unknown to them. F. Howarat, Falvi has an
Abridgment of Opinic, Catoptrics, and Dioptrics. Father
Epichisms of a Century of Problems in Opinic, Virietis, and
Albaron have done well on the Principles of Opinic. Father Adlaren have done well on the Principles of Oppins. Father Kreier has a large Volume on the Secret of Opins, of Lithy, and Shadow a and his forprinsing Effects, which paties on the Topic and Shadow. He is a Departed Collection of Fath Carellar, Pain 1971, Feb. Cerlif. Schemers Opins, Lean, 1971. Talled Organi Pietes, Land. 4655. '5th. Bay. Partil in Explainace Opinste. Increme Ledfinson Opins, Lond. And Carellar, Pain 1971, Feb. Cerlif. Schemers Opins, Lean, 1972. Acts, 1983. "Declaime 3 Occide, or Dispringer Patients, Carel., Arm. Manniel, Bardayer 1669, 42". Phylia-Boully, de Lamine, Carlin Chirol. Tool Ling. P. Marc. Grendle, Deceased Society, 42". Copinstern Triplica-Medicanics & Marca Well Opins (1972). The Carellar Chirol. The Carellar Chirol. Schemers (1974). The Carellar Chirol. The Carellar Chirol. Well Opins (1974). The Carellar Chirol. The Carellar Chirol. Schemers (1974). The Carellar Chirol. The Carellar Chiroline. who ought to have been named first, the great Sir I. Newton, in his Optics, English and Latin, 49.

OPTIC-Nerves, the fecond Pair of Nerves, springing from

the Crura of the Medalla Oblongata, and palling thence to the Eye. See NERVE.

Eye. See Nerves.
Their Nerves approach, by degrees, in their receis from their Origin; and at length meet, in the Bass of the Brain, near the Infundibulum. Thence they again feparate, but without deculfating; and proceed, one to cach

The pur wants.

Eye. See Eye. The Eye are cover'd with two Coats, which they take from the Byar and Fin Matter; and which, by their Expensions, form the two Membranes of the Eye, call'd the Ucer and

The Retina, which is a third Membrane, and the immediate Organ of Sight, is only an Expansion of the fibrous, or inner, and medullary Part of these Nerves. See Re-

The Construction of the Optic Nerve feems to be differen The Contraction of the open-erect seems to be consisted from that of the other Nerves, which all appear to conflict of bard Fibres: For this, e'er it enters the Orbit of the Eye, is only a Goar or Cover form'd by the Pin Mare, and including a Production of the Medalla of the Brain; which is a first or the Medalla of the Brain; which is easily separated from it. At its entrance into the Eye, it takes another Coat from the Dara Mater; which two Coats are bound together by exceedingly fine Filaments: That from the Pin Moter is continued in the Charades, and that from the Dara Mater in the Unes From their Entrance within the Orbit, to the Ball of

the Eye, the Medalla, enclosed under the two Coats, is fe-parated into a number of little Cells answering to each other. See Vision.

Orric-Penal, or Penal of Rays, is that Affemblage of Rays by means whereof any Point or Part of an Object is feen. See Pencil and Radiany.

feen. See Fincit. and Kaddany.
Some Opis Writers lingh at the Notion of Opis-Pencils,
and maintain em mere Chimen's.
OUTSIC-Prantagio, in Perfective, is the Pyramid A B CO
(Tab. Prantagetive, Fr., 12-) whole Bale is the viffile
Object A B G, and it's Verex, in the Eye G, form'd by
Rays drawn from the leveral Yomes of the Perimeter to
the Eye.

Hence also appears, what is meant by Optic Triangle.

OPTIC Rays, are particularly used for those wherewith an Optic-Pyramid, or Optic-Triangle, is terminated; as O A, O C, O B.

OFTIC Asis, is a Ray puffing through the Centre of the Eye; or the middle of the Optic-Pyramid, &c. OFTIC Chamber, fee Camera Observa.

OFTIC Chamber, fee Champe OSSCURA.

OFTIC-GASSCURA, are Glaffes ground either concave, or convex, fo as either to collect, or dispert to the Rays Classift by means whereof Vifton is improved, and the Eye freengthned, preferved, 5%.

For the manner of Grinding and Polifhing Opin-Gassift, fee GRINDING, POLISHING, GLASS, 5%.

For their Phonomens, fee Lass, Mirann, 5%.

The Principal among Optic-Glaffer, are Teleforpes, Micro-feoper, Spethasles, Readom-Glaffer, Mayle Lamborns, Sc. Sco the Confitzellion and Ufe of each under its proper Article, TELESCOPE, MICROSCOPE, SPECYAGLE, MAGIC Lamb born, &cc.

OF TIC Place of a Star, Se. is that Point of its Orbit in which it appears to be, to our Eye. See PLACE.

This is either trac; as when the Eye is supposed at the
Centre of the Earth, or Placet it inhabits; or apparent, as

when at the Greumference. See APPARENT, PLANEY, Se.
The difference between the two, is the P.prallav. See

OPTICAL Inequality, in Astronomy, is an apparent Ir-regularity in the Motions of far diffant Bodies; so call'd,

because not really in the moving Bodies, but arising from the Situation of the Spectator's Eye: So that were the Eye in the Centre, it would always fee the Motions uni-

torm.

The Optical Inequality may be thus illustrated: Suppose a Body revolving in the Periphery of a Circle A B D E F GQ, (Tab. OFFICE, 197, 40.) and moving through equal Arches AB, BD, DE, EF, in equal Times; and suppose the Eye in the Plane of the same Circle, but at a diffance the Mys in the Plane of the Tame Crotle, bust as dilitases, formit, siveling the Mories of the Body from O. When the Body goes from A to B; its apparent Moliesh mea-ting the Body of the Body from O. When form to deferible. But in an equal time, while it moves show the Arch B D, its apparent Motion will be determined by the Angel B O D, or the Arch L. Striveted II. it will be from at the Point M of the Line NLL M. But it will be from at the Point M of the Line NLL M. But it flends the frame time in deferbing D E, which is equal to spends me rame time in describing D z., which is equal to A B or B D 3 and when arrived at E, is full feen at M; appearing Stationary in all the Space from D to E. When it arrives at E, the Eye will fee it in L3 and at G, will appear at H; fo that it will feen to have gone retrograde:

And, laftly, from Q to P, it will again appear Stationary

OPTIMATES, in Antiquity. One of the Divisions of the Roman People, was into Optimates and Populares.

the Rossen People, was two Optimizers and Pepalares.
According to Tayly's Deferrytone, the Optimizers were to be left Citizens are those who defired their Actions might be been considered to the Commission of the Commission of a Thirth of Vaireglosty, did not for much confider what was right, as what would pleafe the Populace, and get an Interest in them. But others rather make the Optimizer to be the vigorous Afterores of the Digarity of the Chief Marchael Commission of the Chief Marchael Commission of the Digarity of the Chief Marchael Chief Commission of the Chief Marchael Chief Chief Marchael Chief Chief Marchael Chief Chief Chief Marchael Chief Chief Chief Marchael Chief Chief Chief Marchael Chief Chi who cared not if the inferior Members suffer'd, if it were for the Advancement of the Commanding Powers: And the Popularer those who contried the Favour of the Popu-lace, and encouraged them to demand larger Privileges, to bring Matters nearer to a Level.

bring Matters sezier to a Level.

O'TTON, the Power, or Faculty of Wifning, or Changs or the Choices Person makes of any things.

When a new Saringua Bilapie sonderated, the Archibility of the Province, by a customary Persogaire, claims the Collaison of the first vaste Benefic, or Dis-miry, in that See, according as he final chale; which Choosein all the Oigh, in Harsley, Towing, or the Column of Gold. See Cotsova and Marxae.

Without this, or Argent, there can be no

12. good Armory. In the Coats of Nobles, it is call'd To-Page and in those of Sovereign Princes, Sol. It is represented in Engraving by small

Points, or Dors, all over the Field, or Bearing; as in the Figure.

It is accounted the Symbol of Wifdom, Temperance, Force, Conftancy, &c.

ORACLE, an Answer, a fastly couch'd in very dark and ambiguous Terms, suppor'd to be given by Demons of old; either by the Mouth of their Idols, or by those of their Priesls, to the People who consulted them on Things

to come In this fenfe we fay, the Priestels was ever in a Rage when the gave Oracles. Adamson to blerves, that the Stu-dy or Refearch of the Meaning of Oracles, was but a heart-less Thing; and that they were never understood till after the Accomplishment. Historians relate, that Crasses was trick'd by the Ambiguity and Equivocation of the Oracle:

## Hes reddis nuncuon in belle perchis.

ORACLE is particularly used for the Domon who gave the Answer, and the Place where it was given. See DEMON.

Danos. The principal Oracles of Antiquity are, that of Ain, men-tional by Herodenus that of Ambhamas; that at of the Rom-ton of the Property of the Property of the Property of the Oraclesa, that of Oraclesa, that of Nakiwa, in the Cay Amerikan, near the Calpian Sea; that of Traphenius, mentional by Herodenus; that of Nakiwa that of Pateres; in Riniz; that of Malenus; that of Nakiwa that of Pateres; of Season of the Property of the Property

that of Pells in ouecoment; that of Projecter nutsien; 3 that of Suspein Populagenis; that of Opplem's Head, mention'd by Philoftrates in his Life of Apollomus.

But of all others, the Outle of Apollomus, was the unoff telebrated; this was confulted, en deriver reffers, by most of the Princes of those Ages. See Px-

M. Bayle observes, that at first it gave its Answers in Verse; and that it fell at length to Profe, upon the Peo-ple's beginning to laugh at the Poornels of its Versisea-

"Tis a pretty general Opinion among the more Learned, that Oracles were all meer Cheats and Impollures; either calculated to ferve the avaritious Ends of the Heathen Pricits, or the political Views of the Princes.

M. Bayle fays politively, they were meer human Artifices, in which the Devil had no hand. He is firmingly back'd by Van Dale, and M. Fontenelle, who have wrote expresly on ie Subject.

There are two Points in dispute on the Subject of Oracles, vie. whether they were human, or diabolical Ma-chines; and whether or no they ceafed upon the Publica-

firmtions could no longer tubnit.

Van Dale was answerd by a German, one Makin, Profeffor of Theology at Leipfic, in 1685. M. Iontenest efpoused

Van Dale's System, and improved upon it in his Hijkey of

Oracles; and show'd the Weakness of the Argument used

by many Writers in hehalf of Christianity, drawn from the ccafing of Oracles. F. Mahbus, a learned Jefuit, has answer'd both Van Dale and Fontenelle. He labours to prove that there were real Ora and Fourierelle. He labours to prove that there were real Orac estes, and fieth act can never be attributed to any Artifices of the Pricities or Pricitiess, a and that feveral of these became filters in the first Ages of the Church, either by the Coming of Jesus Christ, or by the Prayers of the Saints. This DeChrist is constirmed by a Letter from Father-Bas. This DeChrist is constirmed by a Letter from Father-Bas. Pather Maintainer, the Pather Mainbasy wherein 'its declared, about Milliamary, to Pather Mainbasy wherein 'its declared, that what Father Mainbas (sy to the anxietin Caracte, is ex-

perimented every day in the Indies.

It feems, according to the Missionery, that the Devil Sill Recems accounting to me annually, and the which gives Oracles in the lanker; and that, not by Idols, which would be liable to imposiure; but by the Mouths of the Priefts, and fometimes of the By-flanders: 'ris added, that Frields, and comentates or the Dystrabuters: the added, man the foreign too, ceafe, and the Devil becomes mute, in proportion as the Gofpel is preach? among them:
"I'was Englishen who fift endeavour!" do perfuade the Chriftians, that the Coming of Jefus Chrift had diruck the

Oracles dumb; the it appears from the Laws of Theodofies, Gratian, and Valentinian, that the Oracles were assu-Gratian, and Valentinian, that the Oracles were fill con-falted as low as the Year 35s. Ceers fays, the Oracles be-came damb, in proportion as People, growing lefs creda-lous, began to suspect them for Frauds.

loan, began to diffect them for Friend.

Pattern allelegts we Reafma for the ceating of Oraster.

The one was Aprile's Chaptern's who, it feems, took it in dudgeon to be interrugated about for many triller. The other was, that in proportion as the Gent, or Demons, who had the Management of the Oraster, for the other was, that in proportion as the Gent, or Demons, who had the Management of the Oraster. He add a third, or the oraster much, the Oraster much necessity ceat. He add a third, for other had the offerer, which all offerers had the Genera, rainful and death of the Control of the Control of the Oraster, and the Oraster, and Control of the Pright in this two better, the Swallant's of the Grain, let the Pright in this was been, the Swallant's of the Grain, let the Pright in this was been, the Swallant's of the Grain, let the Pright in this was been as "Aware and Control on the Oraster and Contro

hence, the smallers of the Camb, he the frank.

A Powerty and Contempt, too bare in cover the Frank.

Most of the Fathers of the Church took it to be the
Devil that gave Oracles; and look'd on it as a pleafure he
have a took to give dubious and equivocal Anfwers; to have a handle to laugh at them. Fossis allows, that 'twas the De-vil who spoke to Oracles; but thinks that the Obscurity of his Answers, was owing to his Ignorance as to the precife Circumstances of Events. That artful and studied Obscu-Circumitances of Events. That arrive and studied Observity, wherein the Anfuers were conclided, finew'd the Embarcas the Devil was under; as those double Meanings they studied bore, provided for their Accompissiment. Where the Thing forcoold, did not happen accordingly, the

Value the Hang torton, on not supper secondary, the Oracle, forfooth, was mituoderflood.

Esjohan has prefere'd lone Fragments of a Philosopher, call'd Ocument; who, out of Reientment for his having een fo often fool'd by them, wrote an ample Confutation of all their Impertinences: "When we come to conful of all their Imperfinences: "When we come to confalt of all their Imperfinences: "When we come to confalt thee, fays he to 1900, if thou feelt what is in Faturity, why doct thou afe Experfines that won't be underflood? why doet thou are Expections that won the understood poet Doet thou not know that they won't be anderstood? If thou doeth, thou selectly pleasure in a hading us; if thou does not, be informed of us, and learn to speak more clear-ters, they would be a supported by the control of the control of the had it show instantial on Equipment the selection of the control of I tell thee, that if thou intendedit an Equivoque, the Greek Word whereby then affirm'd that Crufar Greek Word whereby these affirm'd that Grigar is should overthew a great flaprice, was all cloden 3 and that it could figuify nothing hat Crigia's conquering Cyras. If Things mult necellarily come to pash, why doed thou amade us with thy Ambiguiters a what does those, Werch and Could be a superior of the country of the

de, for the Answer which speed gave the Athemans, when Xernes was about to attack Greece with all the Strength of Asia. The Pysisian declar'd, that Minerva, the Prote-Irels of About, had endeavour'd in vain to appeale the Wrath of Japiter; yet that Japter, in complainance to his Daughter, was willing the Arbenians should fave themselves in wooden Walls; and that Salamine should behold the Loss of a great many Children, dear to their Mothers, either when

great many Childenn, dear no their Mushers, either when Gere was freed about, or gurher'd together. Here Obressue lefe all paintene with the Gol of Del. John "This Content of the State of Del. John "This Content of the State of Del. John "This Content of the State And would't thou nambousle us with fach pompous Lan-guage? Who knows not that if there be a Sea-fight, it must either be in Seed-time or Harvett? 'its certain it cannot be in Winter. Let Things go how they will, thou will fecture thyfelf by this Tapiter, whom Moserus is endeavouring to appeale. If the Greeks lofe the Battle,

ORA

(669)

ORB

On the Model of this, the Cardinal Bernie effablish'd & Congregation of the Oratory of Joint in 1612, in France; " Jupiter prov'd inexorable to the last; if they gain it, why then Minerus at length prevail'd."

ORACLES of the Shiple, fee STRYLLINE Oracles. Congregation of the Orange of Jojus in 1612, in France; which has fince increased; to that there are now 60 Houses ORAL, fomething deliver'd by the Mouth or Voice. In this fense we say, Oral Tradition, &c. See TRADI-

ORANGE, a Fruit, too well known to need a particular Defeription; yet yielding too many Kinds of Merchandize, to be pafa'd over. The Latins call it Assautism or Malum aureum, Gulden

Apple, from its Colour Orange are ordinarily

Apple, from its Coleur.

Congrary of Colleur.

Colleur

They are first peel'd, then scoop'd and dry'd in a Store.

Orangear is the Orange-Peel cut in pieces and candied,

Italy furnishes a great deal of Flower of Oranges, either

dry or liquid.
The Water of Flower of Oranges, call'd Water of Napha, omes mostly from Prosence. To be good, it must be very

bitter, and not above a Year old.

There are various Oils drawn from Oranges: That drawn from the Skin by Water and an Alembic, is altogether as good. There is also an Oil drawn from litaltogether as good. I nere is allo an OII trawn from the lite Orange, or Orangelene, by fleeping them five of fix Days in common Water, and diffilling them with the fame Water in an Alembic. The Oils are all effected good for defireving of Worms in Children; but are very apt to Could be a supported by the Oils are the officers. be fophisticated with Oil of Ben, or that of fweet Ale

ORANGEADE, a Drink made of Orange-Juice, Water, and Sugar. Lemery fays, it may be given to People in the height of

a Fever. ORANGE Colour, is a Colour that purtakes equally of Red and Yellow; or is a Medium between the two. See

COLOUR.

In Heraldry, the Term Orange is given in Blazon to all Roundles that are Tenne or Tennes,
ORANGERY, a Gallery in a Garden, or Parterre; exposed to the South; bur well clofed with a Glafs Window,

pos d to me court ; but west cored with a crass window, to preferve the Oranges io, during the Winter Seafeo,
Orangery is also used for the Parterre, where the Oranger are exposed in kindly Weather. The Orangery of Verfailes

is the most magnificent that ever was built.

ORATION, a Speech, or Harangue, framed according to the Rules of Oratory; and speech in public. See Ora-

All the Kinds of Orations may be reduc'd to three Heads;

viv. the Domonstrative, the Deliberative, and the Indicial.

To the demonstrative Kind helong, Panez yries, Geneti-To the deliberative Kind belong, Perfusion, Diffusion,

Exhertation, and Commendation.

To the judicial Kind belong, Acceptation, Confirmation, Con-

futation, &cc. See each under its proper Article, CONFIRMA-

ORATORY, the Art of speaking well; the same with Rhetoric: the difference between the two being only in the Names; the first of which is Latin, the other Greek. See RHETORIC.

ORATORY is also used among the Romanists, for a Clo-fet, or little Apartment, in a large House, near a Bed-Chamber, famish'd with a little Altar, or an Image, for

private Devotion The antient Outswier were little Chappels, adjoining to Monafleries, wherein the Monks faid their Prayers c'er they

highesteries, wherein the mongrigue can response to day bad any Churcher. Several little Councils and Synods have condemn'd the Ufe of private Oratories. See Grapper. In the VIth and VIIth Centuries, Oratories were little Charches, frequently built in Charch-yards; without either Baptiflery, Cardinal Prieft, or any public Office; the Biftop fending a Prieft to officiate occasionally.

ORATORY is also used for a fort of Society, or Congregation of devout Persons; who form a kind of Monastery, and live in Community 4 but without being oblig'd to make

any Vows: Thus,

Priefls of the ORATORY, are a Community of Secular

Priefls of the ORATORY, are a Community of Secular Priefls, who live together in a Mosaftic Manner, but without any Vows; first citablished at Rose, about the Year 1590, by S. Philip Neri, a Florentine, under the Title of Oratory of Santla Maria in the Valicella.

which has force mercas of 10 that inere are now no aluganos of Priefly of the Ornsory.

There is force difference, however, between the Italian, and French Infiliations: S. Philip Nori, to prevent the Confession which the great Number of Hoofes aftally occurred to the second of the priese of of the

Contained which the great reminer of House studies oc-casion in Congregations; would have his to be a fingle House. And the others were at liberty to form the like Congregations, yet they should have no Dependance on one another.

For this reason, the Houses of the Ontarry in Italy and
Flanders are all Independent; whereas those in France have
a Relation to eath other, and all depend on the fame
Chief, who has the Quality of Superior General; and,
with three Affishaus, governs the whole Congregation. See

CONCREGATION. ORB, Oans, in Aftronomy, a Spherical Body, or Space, entain'd under two Superficies; the one Concave, the o-

ther Convex. See SPHERE. ther Convex. See SPHIRE.

The anient Affroncemers conceived the Heavens, as confifting of feveral waft, asure, transparent Orb., inclosed in one another: Or wift Carlete, which is their Area include the Bodies of the Planests; the Radii whereof are compared to between the Centre of the Earth, and the highest between the Centre of the Earth, and the highest between the Planes includes in furnious park Earth, to be

coint to which the Planet rifes 3 supposing the Earth to be the Centre. See HE EVENS.
There are Orbs Concentric, i.e. having the fame Centre 3 in the Centre.

and Orbs Excentric. See Concentrate, & The Magnus Orbis, or Great Orb, is that wherein the Sun is fappos'd to revolve; or rather that wherein the Earth

makes its annual Circuit. Sco ORBLY.

ORB, in Adrology. An Orb of Light is a certain Sphere
or Extent of Light, which the Aftrologers allow a Planet

beyond its Centre. beyond to Ceture.

They fay, that provided the Afpects do but fall within this Oth, they have almost the fame effect, as if they pointed directly against the Centre of the Planet. See A-

The Orb of Satarn's Light they make to be to Degrees; that of Japiner 12, that of Mars 7°, 30', that of the San 17°, that of Venns 8°, that of Mercary 7°, that of the Moon 12°, ORBICULARE Os, Orlicular Bosic, in Austomy, is one

of the Bones of the inward Ear; ried by a flender Ligament to the Sides of the Lobes of the Ear; and named from its Figure, which is round. See EAR.

It was first different d by Frant. Spinist: Its Use is in the
Extension and Relaxation of the Tympanum. See Txm-

ORBICULARIS, or Confiritor Labornom, in Anatomy, is one of the Mafeles of the Lips. See Construc-The Orlienlaris is fingle; its Fibres make a Ring about

The Orlientars is fingle; its Fibres make a King about the Mouth, and ferve to confiringe and draw any the Lips, and by that means to flut the Mouth, Or. It also ferves to advance, or fireth them outwards; and has the chief part in the Action of Kiffing, Whence it is also call'd Ofudiarism, or the Kiffing Mutcle. Ferbeyen will not have it one Muscle, but a Pair, whose Fibres meet, and join at both Corners of the Mouth;

the other Authors are unanimous in making it fingle, and call it a Sphintler. See Sphinerer. ORBIGUEARIS, or Deprimens Palpetrarum, is a Mufcle fpringing from each Corner of the Eye, and an(wor'd by another of like Figure and Structure in the lower Eye-lid;

which are therefore often confider'd as one Orbicalar Mufcle. See Exx-LID. Its Fibres inviton the Eye-lids, and are inferted into 'em, not unlike the Sphincters of other Parts. It is faiten'd to that part of the Margin of the Orbit, towards the Noce,

or the Line deferib'd by its Centre in its proper Motion in

the Heavens. See PLANET, &c. The Sun's, or rather the Earth's Orbit, is the Curre

which it paffes along in its annual Revolution a call'd the Ecliptic. See ECLIPTIC The Orbis of the Earth, and that of all the primary Planets, is an Ellipsis; in one of whose Foci, the Sun is placed; in which Ellipsis they move according to this Law,

that a Radius drawn from the Centre of the Sun to the Centre of the Planet, always deferibes Areas proportional to the Times. See Earry, Sun, &c. The antient Astronomers made the Planets describe cit

The antient attreouners made the range settlers used to clear Orbits, with an uniform Velocity. Coperation himfelf could not believe they fhould do otherwife 3 Feet negative, fayshe, at Calefte carput flapples use Orbit inequalities measure. So that to account for their Inequalities, they were obliged. to have recounfe to Eccentries and Epicycles; from the embarrafs whereof, Copernicus himself could not entirely distintangle himself. See Epicycles, Se. cular Orlers into Elliptic ones; and of making 'cm movo with different Velocities in different Parts thoreof.

with different Velocaues in discrete Farts thereot.

Of these Elliptic Orbits, there have been two kinds affigiged: The fift, that of Kepler, which is the common Elliptic; to which seek Ward; the he himself keeps to it, thinks one might venture to fublitute circular Orbits, by a fing two Points taken at equal Diffances from the Centre on one of their Dismonestant has a finite. Finite Orbits of the Plitting of t roms taken arequal Indiances from the Centre on one of their Diameters, as they do in the Foci of the Ellipsis. The fecond is that of M. Caffei whole Character is this that the Productor of the right Lines drawn from each Point of its Circumference are every where equal y whereas in the common Ellipsis, the he sum of thole right Lines that is always the lamb. See ELLIPSIS.

always the fame. See ELLIFII:
M. Farigast Rews how inconfilten Operation's Sentimore
is with the Machandim of the Hexten: Since the Fostwhith Flanest which is a first the Hexten's Since the Fostwhith Flanest properties of the Fast Since the Fostmatter of the Fast Since the Fast Since the Fostwhith Flanest Fast Since the Health Since the Since the

Satarn's Orbit about 10 times as great-

The Orbits of the Planets are not all in the fame Plane The Other of the Planets are not all in the lame Plane as the Ecliptic, or the Earth's Other cannot the Sun's but variously inclined to it, and to one another. But fill the Plane of the Ecliptic interfects the Plane of the Other of every Planet in a right Line, which passes through the

of every Planet in a right Lane, waten passes through a Marian Charles of the Inclinations of the Plantes of the Orbit of the Inclinations of the Plantes of the Orbit of the primary Planet to that of the Ecliptic, are so follow: That of Staten, it is an Angel of a Degrees 4: That of Spipter, an Angel of a Line more than 10 per See Sarvan, Maray Varian, and the more than 10 per See Sarvans, Maray Varian, defend to the Revellers 1 between The Chinary of General College 1 and 10 per See Sarvans, Maray Varian, definite to be Revelliners 1 between the College 1 per See Sarvans, Maray Varian, College 1 per See

Dr. Halley, from Sir Iface Newron's Theory, flews them to be parabolical, having the Sun in one of their Foci. See

ORBITS, in Anatomy, the two large Cavities, wherein the Eyes are plac'd. See Eve. Their Figure is pyramidal: They are form'd of fix feveral Bones; and are perforated at bottom, to give paffage to the Optic Nerves.

to the Upic Norres.

ORBITER, in Anatomy, a Name fometimes given to two Holes or Cavities, either from their Refemblance of, or Nearness to, the Orbits of the Eyes.

The Oriete Externs, is the Hole in the Cheek-Bone be-

low the Orbit.

low the Orbit.

The Orbite Internse, is a Hole in the Coronal-Bone of of the Scall, within the Orbit. See Concanat.

ORCHARD, a Scannistry or Finantion of Fruit-Trees, chiefly Apples. See Favir-Tree.

thirdly Apples. See Favir-Tree.

This a Rule among Gardeners, the Scott South-Welt, around South-Early, and South-Early, and South-Early, and are freeed from the North: the Soil

and South-Ently and are bettered them the North: the saw dry, and deep. Lead by Transplatening foldown by Se-forshord are Deck Lawrence, North Lawrence, Sec. Bernstein, Sec. Transplaning Appel Prices into Orebards, in the Months Officer and Noresiev. If the Leaves he nor all off at the time help are emone's, they must be pulled off. They are likewise to be pund. Trees may be trust-planted into Orebard where there there of the Control of the trust of the Control of the Control of the Control into the before at help of the Control of the Control has Section 1. And the richer the Law, the general the

Diffusion. The Time I maniplanted as hell purpole, when young for Trees ten or worker Years old, a narrow Treach must be day in the Normer's before, deep enough to ment the spreading Room, to care of a . In making the Trench, the Room to be care of clean, and when the planted green the present of the care of a . In making the Trench, the Room to be care of clean, and when the planted particularly and the trench full of a pagin. This will case be the Time, to see Roomer's, the will case be the Time, to see Roomer's, the trench than otherwise it would, and to thrive better in the new Manifaco. See Theorem Continues to the work of the trench that th

The Side-Branches of all tall Orebard Frait-Trees, are be cat off till the Tree be arriv'd at the height defir'd. be cat off till the Tree be arrived at the height defird. If the Tree be to fread low, forme are to be left on each Side3 fo as to form a kind of Balance. For the first three Years, as least, they must not grow thick and buffly-headed; this must be prevented, by cutting off forme of the inside Shoots, and fuch as grow crofs each other, or resident.

See PRUNING. The Soil, if not rich enough, is to be amended in two or three Years; by opening it around the Tree, and on the outfide the Ground first dug, when the Tree was set; and

But after him came Altrenomers, who, with a little in a Month's time filling it up again with a proper Compagneer Paylic, have made no difficulty of changing thefe circ or Manure. See Manuars foc also Paunino and Com-ORCHESTRA, in the Drama, the lower part of the antient Theatre; made in form of a Semi-Circle, and furrounded by the Seats. See TREATRE. Theatres it was In call'd, becaufe in the Oresian. Theatres it was a Place where they kept their Balls; from \$\frac{1}{2}\chi^2 \text{s}\chi\_0\text{, which} a Place where they kept their Balls; from \$\frac{1}{2}\chi^2 \text{s}\chi\_0\text{, which} a

figuifies so dance.

The Orchefins among the Greeks made a part of the Scene; but on the Reman Theatres, none of the Actors went down to the Orchefina, which was taken up with Stats

for the Senators; answering nearly to the Pir in our Theatre. See Scenz, Se.

See Schit, Use

ORDEAI, or Ordanit, or Ordin Purpulon, a Form

of Tryl., i.e. of vincing Indocume or Guilt; pradied in

finglash in the more of Educated for Origin; and time,

at low as fixing the much length origin; or graded,

at low as fixing the much length origin; or graded in

the Lellin, or Combat, the other Form or Purpulon. Or

Purd Arrival and Connan.

The Pradict or during did not only obtain in England,

but also in France and Connany: It was condemned by

From Connant and Connant or Conna

The Ordeal was of various Kinds, even that of Fire, that of rechot Icon, that of cold Water, that of judicial Petrage, that of hallow'd Cheefe, that of beiling Water, that of the green Crofts, and that of Dice laid on Relicks, cover'd with a woollen Cloth. But the more popular Kinds were those of red-hot Iron and Water; the first for Freemen, and People of fashion;

where I do not not received, and reopie of tallion; the fectod for Ponfants. See Jouritum, Frazy Marke, ISE.

"I's a popular Story in our Hilfortes, that Emma, Montre of Edward the Confefor, being accust of too much Familiarity with the Bilhop of Lectyler, demanded the Orden's of See Application and Market Markets and Applications. my with the Billiop of Leegler, accumanced the Ordeal of red-bot Iron and pair of barr-torond, and bood-wink d, over nine red-bot Plough-fhares, without touching any of them. The Word, in the original Saver, nighties a great Judg-sons. There were particular Maffes for these Ordeals,

ORDEFF, or OREDEFF, a Word frequently afed in Charters of Privileges, for a Liberty whereby a Man claims the Ore found in his uwn Ground. Sec On z. It properly fignifies Ore lying under ground; as, a Delf

It properly fignifies Ore lying under ground as, a Polf of Col.; is Col. lying in Vains under ground. The figure 10 Col. lying in Vains under ground. The figure 10 College, in Architecture 10 College, and Francisco College, and Order to be what is regulated by the Ordonance, when it preferables the Proportions of curious College, and College, and

coutanns, and determines the Figure of certain Parts proper to them, according to the different Charafters their different Ufer and Ends require. See On DONNANCE, M. 16 Clore defines an Owler to be a Calumn charg'd with an Enablature, and Inpported on a Pedeffal.

an Entablature, and improrted on a redefial.

The Definitions Virunals, Sariator, Scanoszod, Sie. give of Order, are so obsteure, that it were vain to repeat them; without dwelling, therefore, on the Definition of a Word, which Castom has chablished; its sufficient to observe, that there are five Orders of Columns; three whereof are Greek, viz. the Darie, Ione, and Orinibian; and two Italie, viz., the Tofean, and Compellie.

me argans, and tempolitic.
The three Greek Orders reprefeat the three different Manners of Building, viz. the Shid, Deliner, and Menny i the
von Intile ones are imperfed? Devolutions thereof. The litthe regard the Remain had for thefe Infl, appears hence,
that we don't meet with one Indiance in the Artileye, where
they are intermived. That Abufe the Moderns have introdeals but he Mixture of the Greek and Little Greek. duc'd, by the Mixture of the Greek and Latin Orders, Dawher observes, arises from their want of Restection on the Use made thereof by the Antients.

Use made thereat by the Antennes.
The Origin of Order is almost as anient as human Society: The Rigour of the Seafons first led Men to make little Cabins, retrie miny at raft, halfunder ground, and the half above, coverd with Smabble: At length growing more expert, they planned Tranks of Treets arendi, laying others across, to fusion the Covering. See Architecture.

NURS.—
Heace they took the Hist of a more regular Archive-ture is for the Tunks of Trees, spiritish, reversant Columies, the theory of the transport of the tr

fented the Capitals, whole Abacus was a Brick, laid thereon Snout: that Animal being the Symbol of Spain; and ex-to cover the Uras: But Futnesses's Account appears the preffing the Strength, Gravity, and Prudence of that Namore natural.

At length, the Greek regulated the Height of their Co-lumns on the foot of the Proportions of the human Body: The Dorie represented a Man of a strong, robust Make s the lone that of a Woman's and the Cerimbian that of a Girl: Their Bases and Capitals were their Head-Dress,

Girl: Iner pates and capitals were than its account to the horizone. See Seast, Ee.
Thee Orders took their Names from the People, among whom they were invented: Seassess uses significative Terms to express their Characters when he calls the Try-

can, the Gigantic; the Dorie, the Herealean; the Insic, the Marronal; the Composite, the Heroic; and the Corinibian, the Virginal. See each Order ander its proper Article, Tus-CAN, Oc. 10 give a general Idea of the Orders; it must be observed, that the whole is composed of two parts at the least, size the Colomn, and Entablature; and of four parts at the most; when there is a Paiefial under the Column, and one destree. of little Paiefial

lumn, and one Acrete, or little Pedestal, a-top of the En-tablature: That the Column has three parts, we the Base, the Shaft, and the Capital; the Entablature has three likewife, vio. the Architrave, the Frye, and Cornich: Which Parts are all different in the feveral Orders. See each Part under its proper Article. Tujosa OR DER is the first, most simple, and folid; its Co-lumn is seven Diameters high; and its Capital, Base, and Entablature, have but sew Mouldings for Ornaments. See

Davie ORDER, is the fecond, and the most agreeable to Drive ORDER, is the lectord, and the moit agreeable to Nature. It has no Ornamore on its Bafe, or on its Capi-tal, Ist height is eight Diameters. In Frife is diffinguished by Triglypus and Mictopes. See Don. 10. Jone Ornera, is the third; and a kind of mean Propo-tional between the folial and delicted Magner. In Capital is adorted with Volates, and its Cornich with Denticles.

See lonic.

See [60:16].
Mole. Angeles, contrary to all other Authors, gives the Innie
a fingle Row of Leaves at the bottom of the Capital.
Committue Onten, inverted by Calimadous, is the fourin,
the richelt, and noti delicate. Its Capital is adorred with
two Rows of Leaves, and eight Volates, which fustion the
Abacus. Its Column is ten Danneeres high, and its Cornich has Modellions. See Constraints.

Composite Orders, the fifth and last, (the Scamozes and le Clere make it the foarth) is to call'd, because its Capital is composid out of those of the other Orders; having the two Rows of Leaves of the Corinbian, and the Volutes of the Isnie. It is also call'd the Roman, because invented a-mong that People. Its Column is ten Diameters high 3 and its Cornich has Deaticles, or fimple Modillions.

COMPOSITE.

Rufik Onder, is that adora'd with Ruftic Quoins, Boffages, &c. See Rustre,

Ante Onusen, is a little Order of low Pilathers, with
an architrav'd Carnich for its Entablature; as that of the
Caille of Verfailts over the Jone on the fide of the Garden. See Avrice.

M. Blondel calls the little Pilasters of Attics and Mezza-

nines, falfe Orders.

Perfan Orners, is that which has Figures of Perfan.

Slaves, inflead of Columns, to Support the Entablature. See Persian.

Carystic Onders, is that whole Entablature is supported with Figures of Women, instead of Columns. See Carr-

Gothe Onnes, that which deviates from the Ornaments and Proportions of the Antique; and whose Columns are either too massing, in manner of Pillars; or too stender, like Poles: its Capitals out of all measure; and care'd with Leaves of wild Acanthus, Thistles, Cabbage, or the

like. See Goynie. French ORDER, is a new contriv'd Order, wherein the Capital confifts of Attributes agreeing to that People; as

Cocks Heads, Flowers de-Lys, Us. Its Proportions are Covintbian: Such is that of M. le Brun, Its Proportions are Contribiliser: Such is that of M. Ale Bran, the Grand Gallery of Veryläne; a and that of M. Ale Cleve. M. Ac Gree gives a feecond Taylors tools, and a dynapily forward the first Taylors and Duvis. In beight be makes 23 Semi-diameters, 22 Minuter. The Colomb to have 23 Semi-diameters, 23 Minuter. The Colomb to have 23 Semi-diameters, 23 Minuter. The Colomb to have 25 Semi-diameters, 24 Minuters, 24

which are the Aems of Vijenny.
The spanif Order he places between the Carinthian and
Campelia. The whole Order he makes 30 Semi-diame-ters, 38 Minutes; whereof the Column has 29, and 25
Mis. the Pedefish 16, and 18 Min. and the Euchhature 4,
and 15 Min. The Horns of the Abacus he furthins with
little Voluces; the middle, in lieu of a Rofe, has a Lion's

ORDER, is also used for a Class or Diffinction of the Members of the Body of a State; with regard to Affirm

Members of the Bony of a otate; with regard to mean-blies, Precedence, &c.

In this fenic, Order is a kind of Dignity, or honourable Quality, which, under the fame Name, is common to fe-veral Perfons; and which, of itleft, does not give them any particular public Authority, but only Rank, and a Capa-city of arriving at Honours and Employments.

To abridge this Definition; Order is a Dignity, with an

Apritude for a public Employ; by which it is dittinguish'd from an Office, which has the Exercise and Function of a public Traft. See Office.

public Trait. Sec UPFICE.

In this fenfe, Nobility is an Order, &c. Clericature an Order, &c. Sex Nobility, &c.

Order, &c. Sex Nobility, &c.

Order a set also the Title of certain antient Books, containing the Divine Odice, with the Order and Manner of

Roman Order, that wherein are laid down the Ceremonies

which obtain in the Reman Church. which obtain in the Roman Courch.

Orders, in Aftronomy. A Planet is faid to gn according to the Order of the Sigas, when it is direct; proceeding from dries to Tauras, thence to Gomini, et it goes contrary to the Order or Succession of the Sigas, when retro

reary to the Oracy or Succession of the Signs, when retro-grade, i.e. when it goes had from Pefer to Amarius. See Direction, Retrogradation, Ea. Order, in War, an Arrangement of the Parts of an Army, either by Land or Saz, or a Difficultion of the Bat-talions, and Squadrons, of Men, or Vessels, for marching or energing.

engaging.
An Order of Bartel, confifts of one, two, or three Lines.
An Order of Marce, is diffpord in two or three Columns, according to the Ground. The Orders and Evolutions make the Seeme of Tattiers. See Tacries.

Rank or First existing and of other edges and Order in Files is three Foots in Ranks fix Foot. The open Order is twice three Costs in Ranks fix Foot. The open Order is twice the Costs.

ORDERS, by way of Eminency, or Holy ORDERS;

Character peculiar to Ecclefindlies, whereby they are for a-part for the Ministry. See Ordination.

This the Remanific make their fixth Sacrament. See Sa-CRAMENT.

In the Reformed Charaber, there are but three Orders; vie. Biffings, Priefts, and Deacons: In the Romifo Church
there are feven, exclusive of the Epifcopate: All which
the Council of Trest enjoins to be received and believed on

They are diffinguish'd into Petty, or Secular Orders ; and

They are diffinedful dim Ferry, or Scalar Orders; and Mayer, et Stared Graders, see four; its, thole of Fetter, or Hone Fetty, or Manu Orders, see four; its, thole of Fetter, or Excortic, of Reader, and of Acophyse. Thole in Fetty Orders may marry without any Differentiate. In addition, the Fetty Orders are said post of an a Fermilities. And the Control of Their investigation of the Start of Intervals of conferring them, that the Perfons may have a fufficient time to exercise the Functions of each Order: Ter it leaves the Biffieps a Power of difficulty with these Rules; so that the four Orders are usually conferred the fame day, and only make the first part of the Ceremony

of Ordination.

The Greeks, as well as the Reform'd, diffavow these Petty Orders, and pass immediately to the Sub-discounte. Their first Rife, Henry dates in the time of the Emperor Spstimum. There is no Call nor Beneske required for the

Jaffinian. There is no Call nor Benetice required for the four Petry Oxferts and a Baffard may even enoy them without any Differniation; nor does Bigamy diffusility. The Sherek, or Mayor Order, we have already blery'd, are three; view those of Deacon, Pricit, and Effup. See

The Connection of Decemping the and Ethype. See Decemping, and Estimot.

The Connection Terror, receiving the ancient Dilipshine, therebad says Perinds though admirts to the Ashier Godes, and the Connection of the Connection of

an Ordination valid. Military ORDERS, are certain Companies of Knights, in-flituted by Kings and Princes; either in defence of the Faith, and make diffinctions among their Subjects, KNIGHT.

KNIGHT.

There have been five Orders putely Military in England;
size, those of Knights of the Garter, Knights Bammerets,
Knights of the Bath, Knights Batchelors, and Knights Baromets. See the luftitution of each under its proper Ar-

context. See the Inditination of each under in proper As-ticle, Garran, Barn, Handers, Golfer, etc., that of the French bare had be followed polyte, inc., that of the French bare had be followed polyte, inc., that of the Gar, inditinately King John in 1525. The Order of 5th San, inditinately King John in 1525. The Order of 5th San, inditinately King John in 1525. The Order of 5th Model, Hillman of the Charles of San Model. Order of 5th Spirit was first to be Knighten of Sa. Model. Order of 5th Lani, inditinatel by Lord XIV. 11–152. The Charles of the The Enrices of the Elson, Marghai of Fanner, Admi-ller of the Charles of the

Religious Military Orders, are those instituted in defence of the Fuith, and privileged to fay Mass 4 and withal pro-

bibited Marriage, &c. bibited Marriage, Us.
Of this kind are the Knights of Malta, or of St. John of
Strafalem 5 fach also were the Knights Templars, the Knights
of Calutrona, Knights of St. Lozoras, Temous Knights, Sc.
See each under its proper Article, Malta, Thaflar,

Father Patignani accounts those Military Orders where Marriage is not allow'd, real Religious Orders. F. Papebrock says, it is in vain to search for Military Orders before the fays, it

fays, it is in vain to learen for source, constitution of Contry.

Xith Century.

Religious On parts, are Congregations or Societies of Religious, living under the fame Superior, in the fame Manner, and wearing the fame Habit. See Religious and Con-

Religious Orders may be reduced to five kinds, viz. Monks,

Canons, Knights Mendicants, and Regular Clerks. See each under its proper Article, Monx, Canon, &c.

Father Mahillon fliews, that till the lXth Century, almost Fasher shalline flaves, that vall the IXth Granary, almost all the Monatteries in earge follow of the Aller of St. Asserties and the Monatteries in earge follow of the Aller of St. Asserties in the Aller of St. Asserties of Event Monatteries into one Congregation. That God, Albote et Carey, began first this Reason, bringing favoral under the Dependence of Carey; and a surfex is they by degree, the Congregation of Falsensials and the St. Aspects, and the Aller of St. Aspects of the Aller of the Aller of St. Aspects of the Aller of St. Aspects of the Aller of St. Aspects of the Aller of the Aller of St. Aspects of the Aller of the A BENEDICTINE.

White Order is the Order of Regular Canons of St. Au-

gaffine. See Augusting.

Black Order, the Order of Beseddines. These Names
were first given these two Orders show the Colour of their
Habit 3 but are disused since the Institution of several other Onlers, who wear the fame Colours.

Grey Order, the antient Name of the Officeians; but more. See CISTERCIANS. ORDER, in the Geometry of Curves, fee LINE and

ORDINAL, ORDINALS, in our Law-Books, a Book containing the Order, or Manner of performing Divine Offices: In que ordinatur Madus, &cc.

ORDINAL, in Grammer, an Epithet given to such Num-bers as mark the Order of things, or in what Rank they are placed. See Number.

Thus, First, Second, Tenth, Hundredth, &c. are Ordinal

Nambers.

ORDINANCE, or ORDONNANCE, a Law, Statute, or Command of a Sovereign, or Superior. See Law, &c. Ordinance of Parliament, is ordinarily ufed in the fame Senfe as Statute, or AC of Parliament. See Statute. In the Parliament Rolls, Acts are often call'd Ordinances of Parliament: The in fome Cafes we find a difference

The time are a transfer of the control of the contr

ORDINANCE, or ORDNANCE, is also a general Term

72 ) UK UK
for all forts of Great Gans, or Cannon, utdain War. See
Great and Can xoon.
The Levend Parts of a Keep of Ordente are thus name?
The Levend Parts of a Keep of Ordente are thus name?
The Levend Parts of a Keep of Ordente Parts
Hall to call be a feet of the Cannot the Parts
Hall to call be Are Robert To Cannot the Parts
Hall to call be Are Robert To Cannot the Parts
Hall to call be Are Robert To Cannot the Parts
Hall to call be Are To Cannot are the two Keebs, Spitalled
Graphet Dad. The Tomaniar are the two Keebs, Spitalled
For Delibert in the Carriege. Manufacture or Delibert in the Carriege. Manufacture or Delibert in the Carriege. Manufacture or Delibert in the Carriege of Carriege the Frence: All the Kings user the Mouth are Gonzaleze. Call'the herezee. As to be interned Burst 3 the whole Cautify as Borne of the Frence is call'd her Casty. The superior of the Casty is well as the Tennions and the Manzile or Mouth. Casty is better the Tennions to the call of the Casty, or for much form the Tennions to the end of the Casty, or for much form the Tennions to the call of the Casty, or for much the Casty is the Casty is the Casty in the C

ordnance in England is diffinguish'd into two kinds, viz. Field-Pieces, which are from the fmalleft to twelve Pounders 4 and Cannon of Battery, which are from a Culverin to a whole

Cannon.

Each of thefe Divisious is again fubdivided; the first back, Rabinet, Falconet, Falcon, Minion ordinary, Minion larged, Saker leath, Saker ordinary, Demiculterin leath, and Demiculterin ordinary. The fecond into Callerin leath, Callerin edinary, Calverin larged, Demicanon leath, Demicanon ordinary, Demicanon leath, Demicanon ordinary, Demicanon large, and Royal whole Catonoon.

The Lengths and Weights of each wherest, as also the Weights of the Bullets they carry; fee expressed in a particular Table ander the Article Cannon. See also each Piece under its proper Head, Cannon, Demicannon, Culvarin, Sa-HER, Co.

The Strength and Serviceableness of a Piece of Ordnance depends very much on the thickness of the Metal, especi-ally about its Chamber and Breech, which is call'd its Fortification.

Fortification,
Of this there are three Degrees both for Camons and
Calverins: Such as are ordinarily fortifyd, are call'd Legimunte Piecus. These whose Fortification is tellered, are
call'd Bafford Fieces. These doubly-fortifyd, are call'd
Extraordinary Fieces. The Fortification of a Gun is recknowed from the thickness of the Manal at the Touch-hoic, Extendings Peter. Am. 2000. Meal at the Touch-bule, at the Touch-bule, and it the Musale, it proportion to the factor of the Musale, it proportion to the factor of the Touchest, and it is the Musale, it proportion to the factor of the Musale of the Touchest, and the Musale of the Touchest of the Musale. The initial Clauses where the Touchest of the Musale. The initial Clauses where the Touchest of the Musale. The initial Clauses where the Touchest of the Tou every way as the double-territy of Cannon 5 and the terton'd Calverins as the ordinary Cannon, in all respects. The or-dinary-fortify'd Cannons have 2 at the Touch-hole, 2 at the Trunnions, and 5 at the Muzzle.

the Tumbios, and Ja the Marale.

ORDINARY, in Paining, fee ORDINARY.

ORDINARY, in Paining, fee ORDINARY.

ORDINARY, in Morthing that happens, or paffe frequently, visually, See Expranagnation.

This we fay, the Ordinary Coarte of Things: Whatever is done without Miritack, indeed by ordinary Agents or the Coarte of English of Englishing and fee to the Interest of Englishing See Expranagnation.

ENVOY, RESIDENT, &c. OKDINARY is also apply'd to several Officers and Servants belonging to the Houshold, who attend un common

Occasions. Thus we say, Physician in Ordinary, &c.

This we fay, Physician in Ordenty, Sc.

Ordensay, in the Crul Law, it may judge redied with
Authority to take cognisace of Cusics, in his own Right,
as he is a Magnifure; and not by Departing, Sc Poper.

Bellow the Cognisace of Cusics, in his own Right,
of the Disacte is on the command Cuson Law, it the Siften
of the Disacte is on he used and the Collation of the Disacte is on he used to the control of the Collation of the Coll

There are feveral Chappels, Chapters, Abbeys, &c. ex-empted from the Jarifdiction of the Ordinary, See Citaporders that no Occumations shall be held except on the first,

empted from the Jaridiction of the Ordinary. See Gitap-Fix, ABBEY, &c.

The Romijo Canoniffscall the Pope Ordinary of Ordinaries, fince by the Lateran Council he has usurped the Right of Collating, by Prevention, to all Benefices; in exclusion of the Ordinary Collators. See Collation

of the Undaway Collators. See COLLATION.

ORDINARY of Affect and Coffort, was a Deputy of the
Bifton of the Diocete, unitently appointed to give Malefactors their Neck-Verlet, and judge whether they read
one of a also to perform Divine Service for 'em, and affift in preparing them for Death. ORDINARY, or Homserable ORDINARY, in Heraldry, 2 Denomination given to certain Charges properly belonging

Denomination given to certain Charges properly belonging to total Art. Soc Crans 21.

The International Confession Confession in Number Services and Confession Confe

Bordure and Orle, has Coast of Mail.

As to the allosting of difficulting of these Ordinaries, some
Authors write, that when a Gentleman having, behave'd
himself agiliastly in Fight, was perfeated to the Prince or
General, and a fuinable Coat-Armour ordered hims if the
were wounded on the Head, they gave him a Chief; if in
the Legs, he had a Chevron is and if his Sword and Arm
mour were disclosured with the Blood of Enemies, a Coafe or Bordure

Some Authors have attempted to increase the Number of Some Advances are extensive to increase the Number of binasciable Ordenaries to twenty; adding to those above-mentioned, the plain Quarter, the Giron, the Efeatobon, Cappe dexter and finister, Emmanch dexter and finisher, We dexter and finister, and the Point. But these are

ORDINARII, in Antiquity, a fort of Gladiators; being those appointed to exhibit Combats on certain stated days, Se. See GLADIATOR.

days, ye. See Gradianon.

ORDINATES, in Geometry, and Conics, are Lines
drawn from any Point of the Circumference of an Ellipsis,
or other conic Section, perpendicularly a crofs the Axis, to
the other fide. See Conic Softon.

the other fide. Sec CONIC Soliton.

The Lanus call 'em Ordination applicate: Such are the Lices M M, (Tab. Conics, Fig. 26.) half of each of thefe, as the Lines E M, are properly only Secus-andmates, the popularly call'd Ordinates. Sec Sent-Ordinate. In Curves of the fecond Order ; if any two parallel right

Lines be drawn fo as to meet the Curve in three Point a right Line which cuts thefe Parallels fo, as that the Su of two Parts terminating at the Curve on one fide the Se-cant, is equal to the third part terminated at the Curve on the other fide; will cut all other right Lines parallel to thefe, and that meet the Curve in three Points, after the fame manner; i. c. fo as that the Sum of the two Parts on one fide will be always equal to the third Part on the other fide ; and thefe three Parts equal on either fide, Sir Ifane Newton calls Ordination applicate, or Ordinates of Curves of Sec CURVE.

ORDINATE in a Parabola,
ORDINATE in an Hyperbola,
ORDINATE in an Hyperbola,
ORDINATE in an Ellipfit,

ORDINATE Rais, is that wherein the Antecedent of the first Rario is to its Confequent as the Antecedent of

one near example to its Consequent as the Antecedent of the fecond is to its Confequent. See RATIO. ORDINATION, the Action of conferring Holy Or-ders; or of initiating a Candidate into the Diaconate, or Priefihood. Sec ORDERS.

The Ordination of Bifhops is properly call'd Confectation. See Bishop and Consecration Ordination has always been effected the principal Preorganized Britops; and they fill retain the Function as a Mark of Sovereignty in their Diocetic. In the antient Diffipline, there was no facts thing as a vague and abfolute Ordentiers; but every one was to have a Church, whereof he was to be ordenized Clerk or Priett.

he was to be orasine a tierk of rient.

In the 13th Century, hey grew more remifs, and orduined without any Title or Benefice. See Bankarica.

The Council of Treat reflored the antient Diffipline,
and appointed that none flouid be ordained but their who
were provided of a Benefice fufficient to flushed. The

were provided of a Benefice sufficient to subside on. The Shadow of which Pracitice fills obtains among us. The Reformed hold the Call of the People the only thing effective in the Validity of the Ministry 4 and teach, that Ordowsits is only a Ceremony which renders the Call more August and Authentic. The Council of Reme in 744,

orders that no Germeine finall beheld except on the first, fearth, streath, and strath Moonhi.

With us, Ordenstron-Dayare the Geood Standay in Leer, Tominy-Smarthy, and the Smarty following the first Work.
Pope - document: II. condensure the system of the property of the stream of the control of the stream of the control of the stream of the strea

quires, his Migelty's Armies, Ge. are lappayvu. See Up-plex and Okanisan etc., the Mojier-Georgia. The Officers of the Orlannea are, the Mojier-Georgia from whom are derived all Orders and Dijurches relating to the fame, as the Service shall belt require. This Pott has off late been paneed to the Office of General and the Office of General and the Office of General and the Under him is a Lieutenan-Georgia of the Orlannea, who

receives Orders from the Mafter-General, and the refit of the Prime Officers at the Board 5 fees 'em duly executed 5 orders the firing of the Guns on Days of Rejoicing, and fees the Train of Artillery fitted out, when order'd to the Field. Sce LIEUTENANT. Next to him is the Surveyor-General, who has the In-fpection of the Ordnance, Stores, and Provisions of War, in

prelien of the Ordenzer, Stores, and Providence IV Wer, in the Califold of the Stort-Experts is allowed in Bills of Debt, Ecrep a Cherque on Labourer, 15t. See Sura xvon. Debt, Ecrep a Cherque on Labourer, 15t. See Sura xvon. Ordens and Indus Medical Providence, who records all Control Control and Control

time to time.

Here is also a Clerk of the Deliveries, whose Duty is to draw up all Provisions, either at the Tower, or any other of his Majesty's Magazines, to see them duly executed, §6. And a Tresjaver, three whose hands paste the Money of the whole Office, as well fur payment of Salaries, as Debentures.

as Debentures.

ORDONNANCE, or ORDINANCE, in Painting, the Disposition of the Parts of a Painting, either with regard to the whole Piece, or to the feveral Parts 4 at the Groups, Mastes, Contralts, Δίροθε, &c. Sce Painting. The Dollrine of Ormonnance is comprized in the following

Rules.

In the Ordennance there are three things regarded, wise the Place, or Scene, where 5 the Diffribution, how 5 and the Contrast.

the Contrail.

In the first, regard is to be had to the Disposition of things to ferve as a Ground-Work; and to the Plan, or Position of Bodies: Under the former whereof, come, t. The Landkep; whether an uninhabited Place, where there is a full liberty of reprefering all the Extragancies of Nature; or inhabited, where the Warks of Cultivation, 55c. must be exhibited, where the Warks of Cultivation, 55c. must be exhibited. See Language. a. The Esilding, whether Ruffic; wherein the Painter's

Fancy is at liberry: Or Regular; wherein a nice Atten-

Fancy is at liberty: Of Angular; smorten a nice reten-tion is required to the Orders. See One par., 2. The Mintere of both; wherein 'tis a Maxim to com-pole in great Pieces, and make the Ground-Plot hig enough; to negled from little Places, in order to bethow more on the whole Mais; and to flow the more confiderable Places

with the more advantage; and to make fome Agitation in all the things that move.

As to the Plan of Bodies; they are either folid; which As to the Flan of Bodies 3 they are either folid 5 which again, are either for by Names, and which mult be pro-portion of a their Places; or Artificial, where regard mult proposed to the property of the property of the con-traction of the property of the property of the tunary Motion, wherein care mult be had perspective or no their Simaston, and to firenghen 'cm by the re-garding Equilibrium's or by forme extraordinary Fower, albachier, U.e. where the Caules of their Motions mult as Machines, Us. where the Caufes of their Moisions mut-appear. Or they are things at a diffance. In all which, an even Plane mult fill be proposed no find their precise Si-tuation, and fettle their Place by fudden breaks and diffan-ces agreeable to their Perspective. See Equilibratus,

call the Chain, as it holds 'om together; that the Group be faithind by fomething loofe and diffind from it; and by the fame joind and continued to the other Groups; And that the Lights and Shadows be fo diffpofed, as that we may at once for the Effects of all the Parts of the Composition See Granus

Composition. See GROUP.

Campofition, See Graver.

2. To the Allient, wherein forced Attitudes are to be avoided; and fimple Nature flews in hor moil advance for the control of the TUDI

g. To the Drapery; which is to be adjusted fo, as it may appear real Garments, and not Stuffs loofely thrown on. The Folds to be fo disposed, as to leave the great on. The Folds to be le ditipoted, as to leave the great parts wherein the Nadity may appear, free, 5 ranging the little Folds about the Joints, and avoiding 'em on the Re-lievo of the Members. And, haftly, to dispote the Dra-peries, by raifing the Stuff, and letting it fall lightly, that the Air fulflaining the Stuff, and letting it fall lightly, that

Danesky.

Lalily, in the Controlf, are to be conflicted the Altiest, which way infinitely: The ApeChe, which is Altiest of which way infinitely: The ApeChe, which is Altiest of the ApeChe, which is Altiest of the ApeChe and the ApeChe appear of the ApeChe and the ApeChe appear of the Sight, for or near. And, lalily, the Caffons which exceed, indeed, to all parts of Painting, but is yarticularly to be regueded in the Ordennance; to be managed discreedly, however, and thinking a and formally availed. See Constitution of the Appear DRAPERY.

ORDONNANCE, in Architecture, is nearly the fame as in Painting; size, the Difposition of the Parts of a Building, both with regard to the whole, and to one another. See

BUILDING.

Vitravius defines Ordennance to be that which regulates the Size of all the Parts of a Building with respect to

their Ufc.

This Definition is centur'd by M. Pervault, who takes the Ordonnance to confift in the Division of the Plan or Spot of

Consultations that the Triffice of the Plan or Special Coronal whereon the Building is to be raifed js. le. in the apportioning or hyding it out, a greenble with the intended December of the Consultation of the Western of the Consultation of the Western of the Western of the Consultation of the Western of the Western of the Consultation of the Mental Consultation of the the fault is in the Ordon

This the Anticots call'd Taxis 5 and diftinguished it from That the Abbients call'd Least 5 and diffinguiffed in from Disabeft, Dipfortion 5, which is, where all the Parts and Members of a Building are affiged 4 their 19th Place and Situation with regard to their Quality, Office, Rask, 5%, without any regard to the Dimensions or Quantity; As, that the any regard to the Dimensions of Quantity: As, that the Velible or Porch precede the Hall, the Hall the Parlor, that the Withdrawing Room, E. The Bed-Chambers, again, to the San-rifing, 3 Libraries, Galleries of Paintings, and Cabiness of Carioticis, E. to the North.

ORE, fee Oak. ORGAL, the Lees of Wine dried, and ufed by Dyers

Official, the Lies of Wine dried, and sted by Dyen to prepare the Clothe more creatily taking their feverite Clotes. See Dyeney, Caccana, Tanyan, Garmonico et al. Walad Indemnents. See Divine.

The invention of the Organ is very sention; the 'I're Transition of the Organ is very sention; the 'I're Transition of the Organ is very sention; the 'I're Transition one in his tenth Book. The Emperor Julian tenths of the Organ is the December of Home the Codes. Firming deficition one in his tenth Book. The Emperor Julian tenths in the Codes of the Organ is the Codes of the Organ in the Codes. Firming the Codes of the Organ in the

he hand at the Moeat of Olives. The Streebase of the headen dryon may be occieved as follows.

The Organ is a Bullett containing feweral Rows of Figure 17 he Size of the Organ is substite containing feweral Rows of Figure 17 he Size of the Organ is substite containing feweral Rows of Figure 17 he Size of the Organ is substituted by the English of the First, was, the main Body of the Organ of Size 17 he First of two First, was, the main Body of the Organ of Size 18 he of the Organ of Size 18 he of the Organ of Organ of Size 18 he of the Organ of Organ of Size 18 he of the Organ of Organ of Royal of Size 18 he of the Organ of Royal of Size 18 he of the Organ of Royal of Size 18 he of the Organ of Royal of Size 18 he of the Organ of Royal of Size 18 he of the Organ of Royal of Size 18 he of S

a ne Organ has at reast one set or ACVS, when it has only one Body's and two or three, when it has a Pofitive. The large Organ have four, fometimes five Sets. Befides, the Pedals or largelf Pipes have their Key, the Stops of Touch whereof are play'd by the Feet. The Keys of an Organ

are usually divided into four Octaves; viz. the second Sub-Octave, first Sub-Octave, middle Octave, and first Octave. Each Octave is divided into twelve Stops or Freu s whereof the feven black mark the natural Sounds, and the five white the artificial Sounds is, i.e., the Flats and Sharps. So that the Keys usually contain 48 Stops, or Touches Some Organits add to this Number one or more Stops in the third Sub-Octave, as well as in the second. Note, in Harpfichords and Spinets, the natural Stops or Keys are afaally mark'd white, the artificial ones black. The Poddla have about two or three Odlaves at the pleafure of the Organist: So that the number of Stops is undeter-

minute. K. or stop peried down, orgen a Value of Fig. McCherry feed, pedition, on a nown Mexic as a Mexic and Mexic pedition, on a nown Mexic as a Mexic are Rown of Pipes on the Sound-Board. The Hotes of see Rown or open and all the 1st a Register or Ricely pieced with a Meloc. By drawing the Registre, the pieced with a Meloc. By drawing the Registre, the Register correspond to this of the Sound-board. So that the property of the Register correspond to this of the Sound-board. So that by opening a Value, the Wind brought into the Sound-board was the Pipes of the Register correspond to the Carlo Board board. Pipe which corresponds to the open Hole of the Sound Fipe which correlponds to the open atore on the Sound-board. But by pulning the Register, the 28 Holes of the Register, not answering to any of those of the Sound-Board, that Row of Fipes answering to the path's Register are flut. Whence it follows, that by drawing feveral Re-gisters, feveral Rows of Fipes are opend's and the famo gitters, feveral Rows of Fipes are opend's and the famo tings happens, it the Inne Register correlpond to feveral tings happens, it the Inne Register correlpond to feveral Rows of Fipes and the Rows of Fipes are opend's and the famo tings happens, it the Inne Register correlpond to feveral tings happens, it the Inne Register correlpond to feveral tings happens, it the Inne Rows of the Ro or Compound; Suple, when only one Row answers to one Register; Compound, where several. The Orga-nitle say, a Row is Compound, when several Pipes play upon prefling one Stop.

The Pipes of the Organ are of two kinds; the one with
Mouths, like our Flutes; the other with Reeds. The

The Fiper of the Grgm are of two kinds is me one with Mondas, like our Fluets is the other with Reeds. The first of the Grd Fluets is the Grd Fluets is the Grd Fluets in reciprocal Ratio's of their Sounds; and the Divisions regurecuprocat status of their Sounds; and the Dividious regulared by their Rule, which they call Disoppia. But the Piper that are flue only bave the Length of those that are open, and which yield the fame Sound. Uffully, the longest Pipe is 16 Peet; the in extraordinary Organ 'ris 32. The pedal Tubes are always open, the' made of Wood and of Lorad.

The day Petal Lasco are strong open, the made of No. A relet Per could of a Fore A. B. B. (Tab. Murse, Te. 2.) which carries the West into the Shales, or Exercisin D, inco a kind of Mould II, by a weeder Exercisin D, inco a kind of Mould II, by a weeder Tampine F. C. The Shales is covered usin a Plaze of Mould by the firm wooden Tampine I: to other Exercisin D, income wooden Tampine I: to other Exercising D, and the release of the Shales, to the Company LE is and liberry 16 that the Art carring the Shales, longer than per of the Tongous which is as thereby FL, in mide, the deeper air the Sound, The Mould II, which Congress the Company E. I. Mould II, which Congress the Company is the State of the Sound II, which we have the state of the Shales of the Company in the Reed. Lattly, in the Wood III was the Company in the Reed. Lattly, in the Wood II was only to the Company in the Reed Lattly, in the Wood II was only to the Reed Lattly, in the Reed. The Form of this Table is different in the different of the Company in the Reed Lattly in the Sound of a The Form of this Table is different in the diff

Ranks of Fires.
The degree of Acarencis and Graviny in the Sound of a Recd-Fips, depends on the Length of the Tongue, and has of the Fips (S. t., taken from the Extremity C of the Two Capality of the Sound depends on the Width of the Recd, the Tongues, and the Tubes, as also on the Thickness of the Tongue, the Figure of the Tubes, and the Capanity of Wing.

To divertify the Sounds of the Pipes, they add a Valve to the Port-vent, which lets the Wind go in Fits or Hydronlie On oan, a Musical Machine that plays by

means of Water.

Of these there are several in Italy in the Grotto's of Vincyards. Crision of Alexandria, who lived in the Reign of Prolony Exercete, is laid to have first invented Organi that plaid by compressing the first with Water, as is full practiced. Archimects and Vitraviar have left us Description. practited. Archametes and Vitarean have left us betterpines of the Highenials Organ. Fallburg, led it betterfines the Cabinet of Q. Chriftins, is a beautiful and large Medallison of Vitaminius, on the reverse tweetoris formous of these Hydraulis Organs; with two Men, one on the right, the other on the left, feening to pamp the Water which plays it, and to liften to its Sound. It has only eight

Pipes, placed on a round Pedeftal. The Infeription is PLACEA SPETRI. ORGAN, or ORGUES, in War, is a Machine composed of several Harquebuss or Musker-barrels, bound together; by means whereof several Explosions are made at the fame time; used to defend Breaches, and other Places

attack'd

OROAN is also used in the general for any thing framed, and delined for some certain Action, Use, or Opera-

Sec FUNCTION. tion. See Function.

Hence, Ordon, or Ordanical Part, in Phyfiology, is fach a Part of the Body as is capable of the performance of fome perfect Act, or Operation. In which fenfe, all the Parts, even the most fimple, might be denominated

These Organs are divided into Primary, and Secondary. The first are those composed of similar Parts, and appointed for fome one single Function: Such as consist of several of these, the appropriated to one single Action, are

of these, the appropriated to the higher Action, are effected of the secondary kind.

Thus the Veins, Arteries, Nerves, and Muscles, are Primary Organs; and Hands, Fingers, &c. Secondary Or-

gant.

One an of Senfe, is that part of an animal Body by
meanwhereof it perceives external Objects. See Sensa.
Thefe, fone diride into Internal, which is the Brain is
and Esternal, via. the Eye, Ear, Nofe, Se. See Brain,
Eye, Ean, Nosa, Se.
ORGANICAL, in the station Medic, was that Part

performed with Intruments. See Music.

The Organical comprehended three Kinds of Infiru-

The Organical comprehended three Rinds of Infiru-ments; vow. Word Infirements, as the Tramper, Flute, &c. Averaged Infirements, as the Late, Lyre, &c. And Palfatile Infirements, or those played on by beating, as Drams, &c. See each in its place, TRUMPER, &c. OROMICAL Part, is that Part of an Animal or Plant detiined for the performance of fome particular Function.

See ORGAN and PART.

occ Uno An sond FAAT.

On GARCIA Digisfe, a Difesse in an organical Part of
the Body, whereby in Function is impeded, suspended, or
destroyd. See Eory, Direass, Se.

Organical Distription of Carves, is the Method of
deferbing them on Flace, by the regular Motion of a
Foint. See Cours?

ORGASM, Organius, in Medicine, an Impetus, or too quick Motion of the Blood, or Spirits; whereby the Muscles are convulted or moved with uncommon Force.

See SPIRIT, CONVULSION, Se.
The Word is Greek, oppasies, denoting violence, force,

ORGIA, in Antiquity, Featls, and Sacrifices in honour of Bacebus, inflituted by Orphens, and chiefly celebrated on the Mountains by wild, diftracted Women, call'd Bag-

chantes, See BACCHANALIA ebantes. See BACCHANALIA.

Enfolish edrives the Word and the optic, fury, madnefa.

Others from opt., Mountain; because Orphess removed from Thrace to Mount Gibrow. Others from optics, a Place conferrated to fome Divinity. Others from ergons, to remove, repuise; in regard the Prophane were to be

driven away. Servine laws, that at first Orgin was a common Name for all kinds of Sacrifices among the Greek; 3 of the same im-port with the word Ceremonics among the Romans. Port with the word Ceremonies among the Romans.

The Orgia were also call'd Orphica, from their Insti-

TRIOT.

ORGUES, CO OROAN, in War, fee Oroan.

ORGUES, an antient forced Mediure, fee Maanur, the Paris, and the Mediure, fee Maanur, the Paris, or East, or

Signs Aries and Libra. See SPRING and AUTUMN.
Northward of this is denominated Oriens Æfireal; and Southward, Orient Hybernal,

regard to us; in opposition to Occidental.
In this sense we say, Oriental Pearls, q. d. such as are found in the East-Indies. See PEARL.

ORIENTAL Languages, meaning the Hebrew, Syriac, Chaldee, and Copbie. See Languages.
ORIENTAL Bezand, Ice BEZOARD.

OARINATA ÉREANA, fee BARDARIA, IN ARTUNATA ÉREANA, ENCARANA INTERES ÉTAITE ES ÉTAIT LO TE GÉTURE DE MITTE ES ÉTAIT DE METALE ES ÉTAIT DE METALE DE

ORFICE, the Mouth of Aperium of a Tube, or Pipe, or other Cavity. Sec Tube, in Anatomy, Orfice is particularly used for the Mouths of the feveral Ducks, Vetels, and other Cavities; as of the Bisader, Utera, Stomach, &s.

The upper Orifice of the Stomach is the part where Hun-ger is felt; the lower Orifice is call'd the Pylorus. Sed HUNGER and PYLORUS.

There are fome Operations in Chymistry, where the Orifice: of the Vessel must be feal'd hermetically. See HEMETICALLY.

The word Onfice is also used by Extension for the Aper-ure of a Wound, or Ulcer. See Wound and ULCER. ORIGENIANS, a Sect of antient Heretics, who even

ORIGENIANS, a Sed of amicent Heretics, who even grapid's the Anomanismon of the Compilion children in the Epiphemia fpecks of 'em as filling in his Acceptance of the compilion children in the con-flict about the time of the great Origon; has to does not fay they took their Name from him. He diltaguiffus: are from the Origonity, show the deriver from Origon chalantancy adding, induced, that they finitely the their from one of the Compilion of the Compilion of the Compilion of the Compilion and Section of the Compilion of the Co And St. Augustine fays expressly it was another.

And St. Anjegibire faye experity it was another.
Are other before a little failed with liber to be
Are other before a little failed with liber to be
at a logoryphal blooks, as the Afte of St. Ambrew, Occ. and
that to exactle failer open Crimer, bey acceled the College
that to the control of the control of the College
that to the control of the College
that to the College
that the control of the College
that the may be Gomewhat of Exengration in what he fays. Ner do St. 2 grow, or Theophat of defendancy, ferm to have kept their Zeal within the proper bounds in freeking of Organ. For which Recting, no doubt, it is not tart St. Capper. The which Recting no doubt, it is not tart St. Capper. The Company of the Compan

found in the Originals. They are only Vidimus's, or Copies collated with the Originals.

ORIGINAL Sin, is that Crime we become guilty of at our Birth; by the Imputation of Aslam's Diffolediences

Father Mallebraneb accounts for Original Sin from Natural Causes, thus: Men at this day retain, in the Brain, all the Traces and Impressions of their first Parents. For as Ani-mals produce their like, and with like Traces in the Brain a mile produce their like, and with like Traces in the Benty, whence in that Arminals of the fame tick have the fame Sympositic and Antipathics, and do the fame things on the fame Castions. So our first Breen, steer their by the Impretion of Farthle Objects, that "twa vary politic hear might communisate via no their Children. Now, at its necessity, according to the Order Calballing of the Control of the Object Calballing of the Control of the Object Calballing of the Control of the C

rus accetary we have the tame Thoughts, and the fame Inclinations with regard to fensible Objects. Thus, of courfe, we must be born with Concepifeence, and Orngual Sm. With Concepifeence, if that be nothing but the natural Effort the Traces of the Brain make on the

but the natural Effort the Traces of the Brain make on the Mind to attach it to fentible things; and with Original Sug, if that be nothing but the Prevalency of Concupicence; nothing in effect, but thele Effects confidered as Victorious and as Madters of the Mind and Heart of the Child.

ORIGINALIA, in the Exchequer, are Records, or Transcripts sent to the Remembrancer's Office, out of Chancery; and differ from Records, which contain the Judgments and Pleadings in Suits tried before the Batons.

# ORI

#### (676) ORD

Ĭ:

ORILLON, in Fortification, a finall rounding of Earth, lined with a Wall; ratifed on the Shoulder of those Bafloons that have Calements; to cover the Cannon in the retired Flank, and prevent their being difmounted by the

There are other forts of Oriflens, properly call'd Sheulde-ers, or Epaulements, almost of a Iquare Figure. See EPAULEMENT.

EPADLEMENT.

ORION, in Aftronomy, one of the Confiellations of the Southern Hernifiphere. See COMETRILATION.

The Word is form'd from the Greek 'spur, to rain 5 the Antients Supposing that it rais'd Tempeths at its rifing and

fetting.

Sars in the Confletiation Orion, in Protony's Catalogue are
37, in Tyebb's 62, in the Britannie Catalogue 80. The
Names, Situations, Magaitudes, Longitudes, and Lati-Names, Situations, Magnitu

#### Stars in the Confiellation OR 10Nt.

| · Names and Situations of the   | Loo                  | oita                       | del  | Ls   | rito | de    | 120 |
|---|----------------------|----------------------------|------|------|------|-------|-----|
| Start.  | -                    |                            |      |      | out  | h.    | Su  |
| ,   | , 8                  | ,                          | "    | q    |      | 10    | a   |
|   | II 7                 | 32<br>00<br>46<br>49<br>12 | 39   | 1.5  | 25   | 30    | 4   |
| 5th in the Lion's Skin.   | - 8                  | 00                         | 53   | 13   | 31   | 20    | 4   |
| 7th in the Lion's Skin.   | 7                    | 46                         | 00   | 16   | 48   | 55    | 4   |
| aft and North to the Lion's Skin.   | 9                    | 29                         | 15   | 5    | 16   | 97    | 4.  |
| 3d in the Lion's Skin.  | 9                    | 22                         | II   | 11   | 09   | 17    | ٥   |
|   |                      |                            |      |      |      |       |     |
| 4th in the Lico's Skin.   | 2                    | 14<br>09                   | 27/  | 12   | 24   | 01    | 1   |
| 8th in the Lion's Skin.   |                      | 09                         | 30   | 20   | 02   | 20    | 7.  |
| 2d in the Lion's Skin-  | 10                   |                            | 39   | ,,   | 00   | 2:1   | 4   |
| 2d in the Lion's Skin.<br>Laft and South in the Lion's Skin.<br>Prec. of 2 Inform, towards the Horn of  | Kta.                 | 10                         | 27   | 2    | 25   | 66    | 5   |
|   |                      |                            |      |      |      |       |     |
| North in the proced. Arm. South and fubbec, in the Arm. Subf. of the Inform. tow. the Horn of That against the proced. Side. That against the proced. Arm. 15 | 12                   | 20                         | 45   | 14   | 22   | 37    | 6   |
| Scorb and fubico, in the Arm,   | 12                   | 40                         | ii   | 13   | 04   | 00    | 6   |
| Subf. of the Inform- row, the Horn of   | 813                  | 27                         | 34   | 7    | 11   | 32    | 5   |
| That against the preced, fide.  | 13                   | 13                         | 48   | 20   | 07   | 24    | 4 : |
| That against the preced. Arm.   | 14                   | 36                         | 24   | 11   | 45   | 55    | 6   |
| 15  |                      |                            | - 1  |      |      |       | l   |
| Bright one in prec. Foot call'd Regal.  | 12                   | 30                         | οq   | 31   | 10   | 11    |     |
| More North over the Heel.   | 13                   | 30<br>46                   | 26   | 29   | 32   | 52    | 4   |
|   | 14                   | 40                         | 45   | 20   | 30   | 01    |     |
| North in the pree, fide and the Girdle.<br>Preced, and North in the fide.   | 13                   | 48                         | 40   | 23   | 31   | 19    | ć   |
| Preced, and North in the nuc.   | 1,                   | 40                         | 77   | . 7  | 37   | 37    | ľ   |
| in the preced, Shoulder,  | 16                   | 42                         |      | .6   | -1   | 20    |     |
| Preced, and South in the Back.  | 16                   | 37                         | 26   | + 1  | 11   | 01    | 5   |
| s in the pres, fide under the Girdle.   | 15                   | 55                         | 49   | 24   | 20   | 24    | 6   |
| S. in the prec. fide under the Girdle.<br>In the Hilt of the Sword.   | 15                   | 49<br>13                   | 47   | 25   | 34   | 47    | 3   |
| In the Calf of the preced Log.  | 15                   | 13                         | 47   | 30   | 57   | 44    | 5   |
| 15  |                      |                            |      |      |      |       |     |
| Preced. of 4 in the Back, as it were,   | 16<br>17<br>18<br>18 | 50                         | 50   | 20   | 08   | 18    | 5   |
| in a right Line.)   | 17                   | 23                         | 22   | 24   | 2 I  | 29    | 6   |
| That foll, the Shoulder to the South-   | 18                   | 02                         | 50   | 17   | 20   | 25    | 15  |
| ad of four in the Back.   | 18                   | ot                         | 10   | 10   | 00   | 09    | 0   |
| Preced. in the Girdle.  | II 18                | 01                         | 30   | 23   | 30   | 07    | 2   |
| Under the Point of the Sword.   | Tivo                 |                            |      |      |      | 10    | ١.  |
| Preced. in the Head.  | II 17<br>19<br>18    | 27                         | "    | 12   | 37   | 10    | 100 |
| In the Back the 3d.   | 18                   | 31                         | 66   | 10   | 24   | 10    | 6   |
| In the Head the North of three.   | 19                   | 12                         | 18   | 13   | 25   | 01    | 4   |
| South and Subseq. of the Head.  | 19                   | 46                         | 28   | 14   | 02   | 58    | 5   |
| 25  |                      |                            |      |      |      |       | ľ   |
| Prec. of the contig. in the middle?   | .0                   | 38                         | 20   | l, e |      | 0.4   |     |
| of the Sword.   | 10                   | 30                         | ,,   | ۳    | 40   | -4    | ľ   |
| Preced of the North of the centig. ?  | 18                   | 42                         | 11   | 28   | 10   | 17    |     |
| in the middle of the Sword.   |                      |                            |      |      |      |       | K.  |
| Subject in the middle of the Sword.   | 10                   | 40<br>39                   | 14   | 23   | 45   | - Ocs | 14  |
| Laft of the North in the Sword.   | 10                   | 46                         | 49   | 17.9 | 14   | 4.5   |     |
|   |                      |                            |      | l    |      |       | r   |
| Middle of three io the Girdle.  | 10                   | 07<br>09<br>45             | 44   | b.   | 22   | 0.2   | 0.  |
| Laft of 4 in the Line of the Back.  | 20                   | 09                         | 30   | 115  | 16   | 01    | Is  |
| That under the third of the Girdle.   | 19                   | 45                         | 41   | 24   | 15   | 47    | 4   |
| Subf. under the Point of the Sword  | , 19                 | 45<br>35<br>21             | 25   | 30   | 24   | 150   | 15  |
| Third and laft in the Girdle,   | 20                   | 21                         | 45   | 2    | 20   | 17    | 2   |
| . 45  |                      |                            |      | П    |      |       | 1   |
| Preced, in the hind-fide.   | Z.C                  | 57<br>38<br>03<br>82<br>38 | 34   | 12   | 56   | 08    | 13  |
| To the hind Vince   | 21                   | 32                         | 3    | Lie  | 55   | 35    | 16  |
| In the hind Knee.<br>Preced, of two in the Club.  | 2.0                  | 03                         | 4    | 13   | C.   | 00    | 13  |
| Latter of two in the hind-fide.   | 22                   | 18                         | 45   | 1.   |      | 1 10  | 12  |
| Fifter of two In the man man  |                      |                            |      |      |      |       |     |
|   | 2.4                  | 25                         | 1:   | 1    | 44   | 101   | 16  |
| Glittering Star in the bind Shoulders   | 2.4                  | 25                         | 0    | 1    | 50   | 4 26  | li  |
|   | 29                   | 14                         | . Ic | 2    | 13   | 8 50  | 16  |
| That following the fide out of form.  | 21                   | 20                         | 4    | la   | 2 50 | 6 04  | 16  |

Proceed of those following the Knee. 25 23 32 32 32 02 04 6

55

Subfeq. in the Club.

to the lower part of the hind Arm.

Laft of the two fableq, of the Knee,

| , ,                | Or                |     | Ι.  |          |     |      |      |     |      |    |
|--------------------|-------------------|-----|-----|----------|-----|------|------|-----|------|----|
| Names and i        | Situations of the | S   | Lor | gitt     | ide | La   | titu | ıde | 15   |    |
| Sta                | 11,               | 200 |     | •        |     | S    | mr   | h.  | 35   | ١  |
|                    |                   |     | 9.  | ,        |     | 0    |      |     | h    |    |
| rec. of theSouth i | - D (1) 1-4       |     | 26  | 59       | co  | 19   | 19   | 18  | 6    |    |
| record diegodia i  | n Li of Bind Ha   | nd. | 27  | 31       | 17  | 8    | 41   | 16  | 4    | 5  |
| reced, of the No   | th in the Same    |     | 28  | 30       | 25  | , 3  | 39   | 59  | 16   |    |
| aft of the South i | n the fame        | Ci  | 40  | 34<br>34 | 12  | 17   | : 9  | 30  | 10   | d  |
| 65                 | - the mine,       |     | 20  | 57       | ٠.  | 1    | 1.4  | 49  | i÷.  | 5  |
|                    |                   |     | 29  |          |     |      |      |     |      |    |
| aft of the North   |                   |     | 29  | 24       | 09  | 7    | 17   | 31  | 6    |    |
| orth in the hind   | TTT.              |     | 29  | 34       | 49  | IO   | 53   | 13  | 6    |    |
| torth to the nine  | Olus.             | -   | 29  | 45       | 12  | 11   | 10   | 30  | 6    |    |
| 10                 |                   | n   | 19  | 53       | 42  | 29   | 42   | 05  | 4    | \$ |
| outh in the hind   | Ulna.             | 5   |     | co       | 00  | l.   | eS.  | 0.6 | k    |    |
|                    |                   |     |     | 36       |     |      |      |     | 4    |    |
|                    |                   |     |     | 33       |     |      |      |     | 5    |    |
|                    |                   |     | ž   | 55       | 48  | 20   | 18   | 32  | 14   |    |
| formes following   | Orim between      | 5   |     | 09       |     |      |      |     | 17   |    |
| Gravins and Ca     | ists major.       | S   | 4   | oy       | 30  | 10   | *5   | **  | *    |    |
|                    |                   |     | 4   | 09       | 13  | 15   | 54   | 21  | 4    |    |
|                    |                   |     | 6   | 02       | 11  | 13   | 13   | 14  | 4    |    |
|                    |                   |     | - 7 | 48       | 51  | 14   | 56   | 54  | 15   |    |
|                    |                   | _   | - 8 | 27       | 11  | 20   | 32   | 38  | 4    |    |
| 60                 |                   | 6   | 15  | **       | 48  | 2.2  | 46   | 00  | 4    |    |
| ORION's Rive       |                   | ny, |     |          |     | llar | ior  | c   | all' | d  |

ORLE, ORLET, or ORLO, in Architecture, a Fillet under the Ovde, or Quarter-round of a Capital. See Fix-When 'tis at the Top or Bottom of the Shaft, 'ris call'd Cinflure. See CINCTURE

when to at the sope a source or the source of the safes of the source of Column and Pederlah. See Figure 1.

The Word is Fresh stemd from the Latin, Ordens, or Ordens, 100 cm. a Beeder, or Edward 1.

The Word is Fresh stemd from the Latin, Ordens, or Ordens, 100 cm. a 1

The form of the Orle is the fame with that of the Shield; whence it refembles an Inefeatcheon; as in the Figure adjoining.

When an orde is flower'd, 'eis call'd a Treffare. If a Round of Martlets, Cinque-foils, &c. be placed about any Ordinary, in manner of an Orle, they are faid to be en

Ole, ec.

ORLOPE, in the Sea Language, the uppermost Space
or Deck in a great Ship, from the Main-Mail to the Miren.

ORNAMENTS, in Architecture, express all the Sculptore, or Carved Work, wherewith a Piece of Architecture
is enriched. See Sculpture and Englishment.

is centered. See Seureprene and Enrichment.

\*\*Virtness and Virtness all out the Word to fignify the

\*Entabliance.\*\* See Entablature.\*\* Comments, in Relieve, are those cut in the Contones of

Mouldings: as Leave, Seefs, Arab, Flewer, &c. Orna
ments, in Crans, those cut within the Mouldings; as Egg,

\*\*Virtness &c. &c. Moureprise.\*\*

Flate, &c. See Moulding.

ORNITHOLOGY, that Branch of Natural History, which confiders and describes Ereds, their Natures, Kinds, &c. Sec BIRD.

We have an excellent Ornitisday of Fr. Wilessyby Bfq; and another of Mr. Ray, a Polihamous Work, which is on-ly an Abridgment of the former, with the Addition of his

ly an abragment of the former, with the Addition of his livelaysy and feveral Kinds waning in the other. Withoughly, herein, fpeaks with affarance of a Swan that lived 200 Years; and a Goofe that they were obliged to kill at 80, by reason of its Michievofance. The Word is form'd from the Greek 47M, Bird, and and Published.

ORNITHOMANCY, a kind of Divination, or of ar-riving at the Knowledge of Faturity, by means of Birds. See

DIVINATION. Ornithmancy, among the Greeks, was the fame with Augury among the Romans. See Augury.

ORPHAN, a Child, or Miner, deflitate of Father; or

26 19 13 3 47 31 5 6 26 16 03 13 50 01 4 26 36 07 3 20 37 5 26 21 38 18 01 56 6 26 12 07 34 04 58 5 6 that has neither Father, nor Mother. Hence the Talevires, or Followers of Zifeba, finding

themselves, at his Death, without Chief or Conductor, took the Appellation of Orphans. ORPHANS Money, or Tax, "Sec Dury,

ORPIMENT, or Orpin, by the Latins, deripigmentsee, a Mineral, or Semi-Mecal, usually found in Copper Mines, and furpofed to contain Particles of Gold, which may be extracted by Chymittry, but which were never found to counterval the Expense. See Mineral and Semi-Marer

MAYAL.

O'poment is found in Stones, or Oltebes, of feveral Sixes, and Figures: Its Color is always yellow, intermixed Sometimes of the Sometimes the grand slands during the color shell, it to present a color of the Amients. See Samana Care. Moreon than the state of the Amients. See Samana Care. Aprile of the color of the color

Painters, Farriers, &c. make a great Confumption of this Mineral; but as it is found a violent Corrofive, and a dan-gerous Poifon, it must be used with a great deal of Precau-

Organient must be chosen of a Golden Yellow, easy to scale, and the Scales very thin, small, and shining like Gold.

Some make three Kinds of Orpinent; White, which is the fame with Arfenic: See Assente. Telling, which is the proper Orpinent; and Red, which is Sandarach or Realgal. REALGAL.

The Indians ale Orpineur, corrected with Juice of Lemons, with good Success against Fevers. ORTEIL, in Fortification. See BERME.

ORTHODORON, ao antient Greek Meafure. ORTHODOXY, a Soundness of Doctrine, or Opinion, with regard to all the Points and Articles of Faith.

Ortholoxy is afed in opposition to Hererodoxy, or Herefy. See HERESY. The Word is form'd from the Greek sples, Right, and Juga,

Openin , wherein , ORA HODOXY, or Figd of Oxynonous, is also a few means in the Oret Church, influend by the Empedia for the Church, influend by the Empedia of the Reflexion of Image in Church, which had been inten down by the Inneadplet. See I COMPORTION (ORALL IN GEOMETRY, See I COMPORTION OF THE ORALL IN COMPORTION OF THE ORALL IN COMPORTION OF THE ORALL INFORMATION OF THE ORALL INFORMATION

That Diverfity found in most of the modern Languages, especially the French, between the Pronunciation and Orriegraphy, makes one of the principal Difficulties in acquiring 'em; yet does it arife from the fame Source as the Languages themfelves. See LANGUAGE.

Lagrisge theinfelve. See LANGWAG.
The Guid, e.g., for turing a new Lagrage from the anient Laun, took the laberty to model the Words to their Flancy. At fifth, indeed, 'naprobable they wrote as they presonanced but, by degrees, finding that Words pronounced with all their Letters (anothed harth, they began to presonance more finoschly). Thus, in fpeaking, they thought it is folient that Estimates their general concurrence and the did not offend the Ear, in full continued Prof. of their Conference and the did not offend the Ear, in full continued Prof. of their Conference and the did not offend the Ear, in full continued Prof. of their Conference and the did not offend the Ear, in full continued Prof. of their Conference and the did not offend the Ear, in full continued Prof. of their Conference and the did not offend the Ear, in full continued Prof. of their Conference and the did not offend the Ear, in full continued Prof. of their Conference and the Conference and t on its former looting.

Attempts have been finon made to reduce the Writing to the Pronunciation, of to make us write as we fpeak; which has occasion'd great Disputes. Pelletter of Mans was the first who pleaded for the Change of the Orthography; and after him Maigret, Peter Ramus, de Bois, Menage, and

others; but in vain.

They have, however, occasion'd a Schifm among Wri which has done more harm than the evil they intended to reform: The Frind Witters being now divided into two Parties; a new of which retains to the seat Orderry's the latter to the seat Orderry's the latter to be for the the more confidence belongly, satar thefe divided among themselves a form being for carrying the Reformation much farther than where

much finder dass others.

The chief Martes signed in behalf of the smicres Onligation, we find the first prophy, are, that by changing it, we fixed blot fight of the Origin and Expression of Worth behavior of the Origin and Expression of the Origin and the Origin of the Orig

What is alledged for the new Orthography, is, its being more commodious, natural, edly, fhort, &c. Some Authors take a middle Coarfe between the two Extremes 3 tetrendring the Letters where they are able-lettly allelefs, as the 5 in an infinity of Words; and yet diadoutly retaining all the Letters whereon the Etymology has any dependience.

has any dependance.

In the fixely bit, the Orthography is more vague, and unafectatio d, than in any other Language we know of: Every Author, nay almoft every Printer, has his particular
System. Nay, 'tis fearce fo well with us as that r We
no only differ from one another; but there is fearce any
that confils with himfell. The fame Wood fhall frequence

that confils with himfell. The fame Wood flash from the form.

ly appear with two or three different Faces in the fame Work. See English. The Antients who have worse Treatifes of Orthography, are Felias Longs, Marins Fiftenines, Florent Caper, Originaters, and Each. Among the Moderns, Tweeti, Liff a, Dauf-quist, Scieppin, Faiss, and Manaties the younger, have wrote on the fame Oulieft.

Orthography makes one of the great Divisions, or Branches of Grammar. See Grammak.
Orthography in Secondary, the Art of Drawing, or delineating the fore right. Plan of any Ohject, and of ex-

refing the Heights or Elevations of each Pare.

It is call'd Osibography from its determining things by perpendicular Lines falling on the Geometrical Plane.

ORTHOGRAPHY, in Architecture, is the Elevation of a

OxTHORAGES, WATERS.

The Orbeyrap's is either External, or Internal.

The Orbeyrap's is either External or Internal.

External Oxthorageaphy is a Delineation of the external Pace
or Front of a Building s exhibiting the principal Wall,
with its Apertures, Roof, Ornaments, and every thing vifible to sa Eye placed before the Building. Internal Orthography, call'd alfo a Sellon, is a Delineation, or Draught of a Building, such as it would appear, were the external Wall removed. See Sacrios.

### To lay down the ORTHOGRAMPY of a Building.

Draw a right Line for a Bafis or ground Line, (Tab. PRESPECTIVE, Hg. 13.) A B, and at one end creft a Perpendicular A D. Upon A B for off the widths and diffuncts of the Gates, Windows, Gr. On the right Line A D, for off the Heights of the feveral Parts wifible in the Face fet off the Heights of the fevers l'arts viffile un the Face of the Bullding, s. pr. of the Doors, Windows, the Roof, Chimneys, &s. and spply a Ruler to each Point of Division. The common Interfection of the eight Line dawn from three Points parallel to the Line A B and A D, determine the external Oribography of the Building: And after the fame manner is the internal Oribography laid down. See PERSPECTIVE.

FRRSPRCTYNE.

ORTHOGRAPHY, in Fortification, is the Profile, or Reprefentation of a tortifyd Place; or a Draught fo condedled, as that the length, breadth, height, and thickneis,
of the feveral Parts are expressed; i fuch as they would appear, if inwere perpendicularly cut from Top to Bottom.
See Paoritz and Fortification.

See PROPILE and FORTIFICATION.

ORTHOGRAPH, in Perfectives, a Delineation of the fore-right Plane of any Object. See Praprectyre.

ORTHOGRAPHIC Projections of the Space, is a Representation of the feveral Paints of the Sarface of the Sphere, as they would appear to the Eye, Placed at an infinite dilinace; so call'd, locause the Perpendicular from any Point of the Sphere, will all fall in the common Inter-Point of the Sphere, will all fall in the common Interfection of the Sphere with the Plane of the Projection.

lection or the opposite the second of the opposite that the control of the contro

See Astrana .

It may be caused from Pur, thick, or mucilaginous juices or Polypark in the Benefits i mercurist, and other Perme, sindering be playing of the Lange, Stoppage of Evezenious Cachesies, ill lagetions, or whatever affects the Lange, their by furtiening the Canala, or thickening the Blood, or hindering the Morion of the Astrana Spirin, for that they cannot cleavath the Breatly or that causes the Blood to be more reactly do more in Quantity, 60 that there is not fulfilled to room to receive it those the Vidia. See ASTHMA.

of the Lungs. The Word is compounded of office, right, and wrester, to

The Word is compounce or wyst, 1961, as cefficie, branks.

ORTIVE, Ortiss, in Aftronomy. Ortico or Eaftern ORTIVE, Ortiss, an Archof the Horizon instreeped hetween the Point where a Star rifes, and the Eaft Point of the Horizon and Equator interface, or the Point where the Horizon and Equator interfect. See AMPLIYUE.

ORVIETAN, an Antidote, or Counter-poison; so call'd, because invented and propagated by an Operator from Or-vieta in Italy; who made Experiments thereof in his own Perion, on the public Stage, after taking feveral Dofes of Poifons. See ANTIDOTE and POISON.

In Charras's Pharmacopuis is a Method of making Oroitsan; where it appears that Treacle is one of the principal Ingreents. See THERIACA. OS, in Anatomy, fee Bon z.
OS Pabit, dients.

See Femus. Os Sacrant. Os Ifcham, Os Hyoides, Os Femoria

OSCHEOCELE, in Medicine, a kind of Hernia, wherein the Intellines defeend into the Serenw. See Hernia.

The Word is form'd from the Greek 10210, Scroum,

Tumor. and zaka, lumor.

OSCHOPHORIA, in Antiquity, Feafts inflituted by

Thefens, in acknowledgment for his having deftroy'd the Amountary, and by that means freed his Country, Athen, from the Tribute of feven young Men, which were to be feat overy Year into Greee, to be devouted by that Montler. See

MINOTAUR. Some fay the Ofelopheria were inflitted in honour of Minerus and Barcelus, who had affifted Thefeas in his Enterprize. Others, that they were in honour of Barcelus and

To celebrate the Ofebepheria, the young People who had Pathers and Mothers alive, run to the Temple of Bacebur and that of Minerea, with Grapes in their Hands. He who arrived there first, was the Conqueror; and was to perform the Sacrifice by pouring out of a Phial a Mixture of Wine,

the Szerifice by pouring out of a sum. Honey, Cheefe, Flower, and Oil. The Word is form'd from the Greek toge, Branch of a Vine loaden with Grapes, and \$60%, I bear. Platarch fays, the Ofebspheria were fo named, because inflitted by Thefew when on his Return to Abens ; and the Feast celebra-

red after the Vintage.

OSCILLATION, in Mechanics, Vibration 5 or the reciprocal Aftent, and Defcent of a Pendulum. See PENDULUM. Axis of Oscillation, is a right Line, perpendicular to the apparent horizontal one, and patting thro' the Centre of the Earth; about which the Pendulum of citates. See

AxIs. If a fimple Pendulum be suspended between two Semi eycloids, whose generating Circles have their Diameter e-qual to half the Length of the Thread; all the Ofeillanons, howfoever unequal, will be Hochronal, or Equi-diamal.

See Isochronal.

Sec INCHRONAL.

The Time of the entire Ofcillation thro any Arch of a Cycloid, is to the Time of the perpendicular Defeent thro the Diameter of the generating Circle, as the Periphery of the Circle to the Diameter. Sec Cycloid.

the Circle to the Diameter. See Cyclotic.

If two Pendulums move in fimiliar Arches, the Times of Operations are in a fubdisplicate Ratio of their Lengths.

The Numbers of Ifochronal Operations, performed by two Pendulums in the fame Time, are reciprocally as the Times wherein the feveral Oferlations are performed. See

Geoes. M. Haysen's whole Doctrine of Oficiliation, is founded on this Hypothetis 3 That the common Centre of Gravity of feveral Bodies, connected together, must return precitely to the fame beight whence it fell; whether thee Weight return conjointly, or whother after their Fall, they return feparately 5 each with the Velocity it had then acquired.

reparately; each with the Velocity is had then acquired.

See Canyras of Greaty.

This Supposition was oppoid by feveral, and very much fulpefeld by bothers. And others who inclined to believe it true, yet thought it too daring to be admired into a Science, which demonstrate every thing.

At longth M. Ernwall demonstrated it by first Grome-At longth M. Ernwall demonstrated it by first Grome-

At least M. Remail demandrated by first Geome-try by referring the Veight to 1 Leve. After the Dealt, a more say, and materal benembration of the Cantre of canfe one certain Effect.

cade one certain Effect.

The aginative Force of the Pendulum is form'd of three
Thinggs: 1°, Of the Power or Moment of the Weight,
2°, Of the Mais or Body tied to the end of the inflexible
Rod. 5°, Of the Diffance of that Rody from the Poirt of
Sufpension, or, which is the fame, of the Length of the Rod or the Pendulum.

Now, 1°, The Power of the Weight, be the Caufe what it will, is that Power which makes, a Body fall, and that, or, or at the rate of foarces Foot, in the first Second of Time. "Ta visible, then, that this Force is the Effect of Quantry which determines theofe foarces Foet; and that a heavy Body would plat more or left Space in that fame first Second, if the Force of the Weight were greater or first Second, if the Force of the Weight were greater or

2°. As that Force is apply'd to each Point, or infinitely fmall Part of a Body, the greater this Body is, or the larger its Mals, the greater Quantity of Motion or Force it has.

3°. The Diffunce of the moving Body from the Point of Sufpention, or the Rod, is always the Radius of a Circle, Suspension, or the Root, 38 always the Radius of a Circle, whereof the moving Body deferibes an Arch : And of confequence the greater the Radius is, catery parillar, the larger Arch the Body deferibes. And at the fame time, the greater Height it falls from, the greater Velocity it ac-

Now, the agitative Ferce of the Pendulum, is only that of the Body fatterd to the End of the Rod. So that it is the Product of the Force of the Weight, of the Mafs of the Body, and of its Distance from the Point of Suspension. The Force of the Weight therefore being always the fame; and a Body or Weight fatten'd to the End of the Rod, always the fame; 'tis impeffible that two fimple Pendulu of a different Length floutd be liechronal, or flouid make ir Vibrations in the fame time: for by virtue of those

their Vibentious in the farne time; for by viruse of their different Lengths, the Velocities will be urequal, and of confequence, the Times of their Vibrations. Confequence, the Times of their Vibrations. The Confequence of the Confequence of the Confequence Force of Weight is will then be welfide that was finisple Pendulums of different Lengths, Road be Ifcelbrond; I she one minimal by the natural Weight, the other by the imagenry one. If the imaginary Weight be greater than material confequence that the confequence will be a super-formed to the confequence of the Confequence the Weight will be failed at a greater Distance from the Point of Sufpendies. The, to have an Hockeroffin, the row agita-tive they conference the confequence that the confequence that the third the confequence the Weight will be failed at a greater Distance from the Point of Sufpendies. The, to have an Hockeroffin, the row agita-tive they conference the conference that the conference of the theory China which composed the Force, there was the theer "Things which compute their Feer's the Arman Alexand year greater in the imaginary, than the real Periodulum is the third, there was a "Maid of its Weight, Barbard and the state of the state the three Things which compate these Forces, there are

lefs than that of the natural one, 'is easy to obleve how it is to be taken; but that wete needles in our Defign. If now there he a compound Fendulum, charg'd with two Weights fatiend' to the fame Rod; M. Dermall Cocceives each of those Weights removed to a greater Diffance from the Point of Suspendung, than it was before; but both to the fame; and, ciministfild in Mas's, in a due Proportion. fo as that both together only make one simple Pendulum, animated with one Weight the Expression whereof is had

animated with one Weight the Experition whereof is had, and Hochcond to the natural compound Pendulum.

Thus we fhall have one fimple natural Pendulum Hochcond to the compound oatural one, by having a fimple natural Pendulum Hochcond to the fimple imaginary Pendulum before found; which is very eds; a fince as the imaginary Weight is to the natural, to is the Length of the ginary Weight is to the natural, 10 is the Length of the simple integrinary Pendulum, to the Length of the simple natural Pendulum; and 'tis there is the Centre of Oficialism

nathriat rendulance; requirid. Centre of Oscillation, in a fulpended Body, is a cer-tain Point therein, each Vibration whereof is performed in the fame manner, as if that Point alone were suspended at

that Diffance from the Point of Sufpenfion. Or, it is a Point, wherein, if the whole Length of a com-pound Pendulum be collected; the feveral Oftilistions will be perform'd in the fame time as before. See Penny

Its Diffance, therefore, from the Point of Suspension, is equal to the Length of a fingle Pendulum, whose Ofeinsteins are Hochronal with those of the compound one. See CENTRE of

CENTER of Operation.

OSCITATION, the Act popularly called Transing.

It is perform d by expanding almost all the Mucles of rolumary Motion at the fame time 3 but most considerable
thefe of the Lungs: by infigring a great Quantity of Air, very
flowly, and after retaining it fome time, and earlifying it, by

expelling it again flowly, and reftoring the Mufeles to their natural State. there natural state.

Hence, its Effects are to move, accelerate, and diffribute all the Humours of the Body, equably thro' all the Vefels; thereby difpofing the Organo of Senfation, and all the Mulcles of the Body, for the Performance of their respectively.

tive Functions. OSCULA, in Anatomy, a Term ufed for the Orifices, or Openings of the lefter Veffels. See Onifice, Vissel,

OSCULUM, in the new Analysis. A Circle described on the Point C, as a Centre (Tab. ANALYSIS, fig. ra.) with the Radius of the Evolute M C, is faid to ofculate, ktfs, the Curve described by Evolution in M; which Point M is call'd by the Inventor Hayrens, the Ofenium of the Caroe,

cc Evorura The Line M.C. is also call'd the Radius of the Ofenlum. See RADIUS.

The Evolute BCE, is the Place of the Centres of all the Circles that of culare the Curve A MI, deferibed by Evo-

lution. See EVOLUTION. The Doctrine of the Ofesia of Carres, is owing to Monf. Leibniz, who first show'd the Use of Haygens's Evolute in

measuring the Curvatures of Carves. See Curve. meastring the Curvatures of Carres. Sec Course, Opennous Pears. Antenthy it was a Castom in the Church, that in the Celebration of Mass, after the Priest had conferrant due Wafer, and spoke the Words, Proc De-mini wolforms, the People kilfed each ether, which was cal-led Ofmiam Pacis. When this Castom was abrogated, and there arose 3 and while the Priests Spoke the Words, a Dea-ther arose 3 and while the Priests Spoke the Words, a Dea-

ther arc(c) and while the Prictit Pooke the Words, a Dea-con or Sub-Deacon offered the People an Image to kifes, which they call'd, Pacem.

OSIANDRIANS, the Name of a Sect among the Re-formed; to call'd from Analogo Offander, Father of Luke.

termed; to call'd from Andrew Olimander, Father of Luke.
Their diffinguishing Doctrine was, That Mun is judityld formally, not by the Fath and the Apprehension of the Justice of Jefus Christ, or the Imputation of eur Saviour's Judice, according to the Olimon of Losber, and Calons 3 but by the cilential Judice of God.

but by the effential Julice of Good.

Demi-Ofizationia, were feel among the Ofizandrians, as held the Opinion of Luster and Calvios with regard to this Life; and that of Ofizandre with regard to the Opinion of Luster and Calvios with regard to the Opinion of Calvios and Calvios and Life; and that of Ofizandrian of Ofizandrian of Calvios of

In this fenfe, the Term is used among Anstomists Botsnifts also use it for the Stone of a Cherry, Plumb,

Apricot, or other Stone Fruit. See Syone Fruit.
OSSIFICATION, in the Animal Occonomy, the Formation of the Bones. See HONE.

marino of the Bones. See Boxx.
Bones, p. Dr. Dreis stages, are form'd out of the most com-minated for breken part of the Blood's fines we fee that the becomes in amount of the Bones's fines we fee that the becomes in a smanner unfit for the common Office of Na-trition, will however spffy, and convert into Bones, many of the Teelous and Lugimento, Michero bring sear to the Bones the most compact, adminst only of the finalled Far-sicles of the Bloods which therefore fonosit become 4foon, as they are frequently found. See NUTRITION,

OSTENSIO, was a Tax antiently paid by Merchanes, &c. for leave to flew or expose their Goods to Sale in Markets.

Marketts
OSTENSIVE Demonstrations, in Logic, such as plainly
and directly demonstrate the Truth of any Proposition; in
which they are distinguished from Apopogical ones, or Deductions and adjustmen, or and impossibility, which prove the
Truth proposed, by demonstrating the Abfurdity or Impossibility of the contrary. See Demonstrary 2708. Thefe Oftenfive Demonstrations are of two forts; forme of

which, barely, but directly, prove the thing to be; which they call mis and others demonstrate the Thing from its Cause, Nature, or effential Properties, and these are call'd in the Schools Son

in the Schools sum.

OSTECOOLLA, in Natural History, q. d. glue-bone,
a white, or afti-colour'd Stone, fhaped like a Bone, and by
fome supposed to have a quality of uniting broken Bones;
on which account it is order'd in fome Platters; but the prefent Practice has no fuch Dependance on it

prefect Practice has no tach Dependance on it.
OSTEGOOPE, an acute Pais, wherein the Patient is
afficied as if his Bones were breaking.
It rarife from a flarp Humour vellicating the Persiftium,
or Membrane wherewith the Bones are invested.
It is particularly incident to feorbatic and pocky Persons.
The Word is form'd from the Great view, Bone, and

OSTEOLOGY, that Part of Anatomy which teaches

e nature of the Bones of the burnan Body; their Form, Disposition, Articulation, Usc, See. See Bone.
Dr. Clopes Havers has given us an Offeelogy; in good

The Word is form'd from the Greek steer, Bone, and Air. . Difcourfe.

Afrom Differente, Sc. for the Mouths or Aperates of the Ofesla, Orifice, Sc. for the Mouths or Aperates of the Roder at the Offile Faying, Sc. Sce Va-

OSTRACISM, a kind of popular Judgment or Condemnation among the Abenian; or a Sentence of Banishment against Persons whose too great Power render'd them sufpected to the People; or, whose Merit and Credit gave Umbrage less they should attempt something against the public Liberty, and their Power degenerate into Tyranay, CC BANISDMENT.

See Baremeert.

I had it name Offreeifm, in regard the People gave their Vores, by writing the Name of the Perfor to be basished in Shell Vegeson, and calling the Shellsient on Urn.

This kind of Banishment had nothing infamous in it,

as not being for any 'Crime; but, on the contrary, was held very bonourable, as it was a Mark of Popularity. It lasted for ten Years, but the banish'd Person had the full enjoyment of his Estate all the time.

that encyment or as areas at the arms.

Offrace/or was nall, unless there were 6c00 Citizens in
the Affembly of the People.

OSTRACITES, in Natural Hilbery, a kind of crufty
stone, reddiff, and in form of an Orite-fiell, and, like
that, feparable into Lawine; found in feveral Places in

that, feparable into Lossine's found in fereral Places in Germany's and held of good Servicein the Gravel. Dr. Howe, in the Phily' Tranfall. fays, it rather diffelives the little Stones than forces' cm out, as not being temar-kably Disreit. He adds, that he preferibes it in Powder with a third part of Flores Chamsunell. The Dofe is from half a Drachm to a whole one in white Wine OSTRACITES is also the Name of a kind of Cadwin found

at the bottom of the Furnaces wher Coppere is purify'd.
"Tis very heavy, and refembles an Oifter-fhell, whence its The very heavy, and refembles an Otter-fiell, whence its Name. It is effected affingent and deterfere; and is an lightedient in feveral Unguente. See Caddella.

OTACOUSTIC, a Term apply d to Instruments which aid or improve the Sense of Hearing.—See Hearing of the Hearing.—See Hearing of the Company of th

axis, I hear. Sec Acquaric.

cing, I their. See Acoustic.

OTALGIA, in Medicine, a Pain in the Ear.

The Oralgia usually arties from no luflammation; fomemes from a fharp scrous Humour, which vellicates the Membrane wherewith the Canal of the Ear is lined. formetimes also occasion'd by a Wound or Ulcer in that Part, or from some pungent Matter gather'd within the

The Word is form'd from the Greek is wite, Ear, and مرکزی, Pain.
The Smoke of Tobacco convey'd into the Ear through

a Pipe, Enseler recommends as good to affunge this Pain 3 as also Millepedes in a proper Vehicle of Oil. The Otalgia fometimes strifes from a Worm in the Ear ; which is to be drawn our alive, or kill'd wirhin. Warm Milk tempts the Worm to come forth; Wormwood June

destroys it within. See Worms. Ol'IOSI, in the Hebrew Cuitoms. The Learned are ex-edingly divided about the Derew Otiofi, ten idle Perfons

in the Jerus Synagogues.

Some fay, they were the three Prelidents and the feven Renders 5 others that they were ten Perfous hired to attend

conflantly at the Synngogue, because, without the Number Containty at the Sympogue, century, whose the Nathber Ten, it could be no regular Synagogue, nor legal Affembly; to that the Decem Oroff were ten side Folks kept in pay, to form, by their Profence, a legal Synagogue. See SYNA-COGUE

Virtings in his Archi-Synagogue, refutes this Opinion ; and will have them to be ten Directors, or Officers in the Synagoguev He shows that each Synagogue had its Directors; and that the Number was greater or lefs accor-ding to the Dignity of the Synagogue; that the smallest had at least two; that, from the first times, each Synagogue had its Chief, call'd /rebs Synagegus, who had two Colleagues, to be prefent at the Ceremonics, and other Acts of Religion, and to take care every thing were done with docurey; but that the Archi-Synagous referred to himself the Power of Tosching: That besides these to ministry the rower of reacting; That better the check of wheth-systeges mand a feveral Readers, who read in the Synasogue every Sirarday; and that their made the Decem Origin of the Synagogue; fo call'd, because being diffengaged from all other Employment, their whole Attacks were on Divine Service. tendance was on Divine Service

OVA, Eggs, in Natural History, for Eas.

Ova, in Anatomy, &c. are little lipherical Bodies, in form of Bladders, or Bubbles; conflitting of two concen-

tic Membranies, replete with a limpid Hamoor like the White of an Egg. 5 found under the external Membrane Berthelm of the Control of the Con

agam ejected. Sec CONCEPTION, FALLOFIAN ASSE, DIA-TELE, EMBRIO, E.C.
Ova, in Architecture, are Ornaments in form of Eggs, carved on the Contour of the Osslo, or Quarter-round; and feparated from each other by Auchors or Arrows Heads. See Ovoro and QUARTER round

The English usually call these Ornaments Eggs and An-

Instead of Eggs, the Antients fometimes used Hearts; on which Foundation it was, that they introduced Arrows 5 to fymbolize with Love.

το tymbolize with Love. ΟΥΔΙ, or ΕΞημε, is an oblong curtilinear Figure, with two unequal Diameters; or, a Figure incloded with a fingle tymore Lane, imperfedly round, its length being greater than its breadth; like an Egg, whence its Name. See

OPTONG The proper Osal, or Egg-shape, is an irregular Figure, being narrower at one end than the other; in which it differs from an Elipsis, which is the Mathematical Osal,

and equally broad at each end.

The common People confound the two together; the Geometricians also call the Osal, a fulfe Elipsis. See Ex-

The Method of deferibing an Osul chiefly ufed among Workmen, is, by a Cord, or String, as F M B., (Tab.) GOMENTA, T., 4.5) whole length is organ to the greater Diameter of the Osul, and which is fathed by its Extremes to row Diction or Naile E., if planted in its longer Diameter; by which means the Osul is made as much longer, as the two Potties or Naile are father a-part. December 2011.

ren Peine on Nails are further a-part.

VVALE France, in Anshimy, fee Doa MAIN Drule.

VVALE Centrum, in Anshimy, fee Doa MAIN Drule.

VVALE Centrum, in Constraint Drule.

VVALE Centrum, in Constraint Drule.

voloci Prefile, or Soveep, in the inset and Owappile Gapitati, is utually 2 Questent of a Circle, whereou it is all popularly called the Equation-Main Constraint Drule Drule Constraint Dr

N 17 G. Among us, it is usually cut with the Representation of Eggs, and Anthors, or Arrows-Heads, placed alternately; whence its Italian Name Ovolo, Latin Onus, and French

Ocaf. Sec Ov A.

Over, Sec Ova.

OVARY, in Anatomy, that Part of an Animal wherein
the Own or Eggs are form'd and lode, d. Sec Ova.

The Owners in Women, are also call'd Telete Multi-bret,
Female Telticles; from their Ufe, which the Anteins
supposed analogous to that of the Tester in Men. See

improded analogous to that of the Trifer in Men. Sec. TEXTER.

They are Anymore 1, right gas the ends of the They are to the subject to the product through the th

a Drachm and half.
They are covered with a common Membrase from the Perisansase, their Sheltance in whichill compared to Perisansase, their Sheltance in whichill compared to the perisansase with Attended Fibres, and the with Attended Fibres, and Nertica.

Among these Fibres and Vessels are interspersed a number of little roand Redder, little Bladders; slid of limpid Subliance, and call'st Own, or Eggs, of great Us of Generation. In the Resmiss History, a letter Triumph

in Greeration. See GENERATION.
OVATION, in the Reason Hiftory, a Leffer Triumph
allow'd to Commanders, for ViRories won without the Effution of much Blood; or for the defeating Rebels, Start
Fyrares, or other unworthy Enemies of the Republick. See TRIUMPH,

Their Entry was on foot, functiones on bordeback; just never in a Chariot i such they wore Gowen of Myrite, call'd never in a Chariot i such they wore Gowen of Myrite, call'd The Word Onsain, according to Service, is derird from Onto, Shoney is because the Conquerer facilité d'a Shoney on the coation, to a significant of the Conquerer facilité d'a Shoney on the coation in a significant or Din of the Acclamations and Shoney of Joy mude by the People in Donour of the Soleminy is the Veroje and Sadiery. The Coates was fast clabalified in the Yare of Reme 55, yet 13; in biocoar of the Confed Pallower Televas, 55, yet 13; in biocoar of the Confed Pallower Televas, OVELITY of Services, just our Models, as Equilibrium Confede and Confe

after his defeating the Sabnet.

OVELTY of Servece, in our Law-Books, an Equality
of Services as when the Tenant Paravail ower as much
to the Mefa, as the Mefa does to the Lord Paravail
OVER-RAKE, in the Sez-Language. When a Ship
dring at Anchor, doth fo over-beat herefit into an HeadSea, that the is wallt by the Waves breaking in upon
her; they fay, the Waves do Over-rake bet.

ner 3 they tay, the Waves do Occ-PARE HET.

Over. B. L. C., in the Manage, is when a Horse strike
his hind Feet against his fore Legs.

The Word is also feed for a Strain, or painful Swelling
of the Matter-Sinew of an Horse's occasion d by such Ocer-

Over-Flowing. See Inundation.
The Over-France of Londs, used by our Husbandmen, is chiefly effected by diverting the Streams of Rivers, Brooks, Land-Floods, or Springs, or fome part of them, out of

their natural Changel. their natural Channet.

When the Streams lie too low for this, they are made use of to turn such Engines as may raise a sufficient Quantity of Water to do it. The most usual Engine, on this occasion, is the Persian Wheel. See PRESIAN Wheel.

ONER-BULING an Objection, in Law, is the rejecting, or design in edite.

eting it afide.

fetting it aidide.

OYBR-EVINNING σ Poge, among Printers, is the canning it over again, and diffosing the Lines in a different manner. See PRINTING. CORRECTING, 55.

OYERSAMESSA, an antient Fine or Penalty, imposed, before the Statute of Har and Oy, on fuch Perfons, as hearing of a Murder or Robbery, did not parfue the

Matchactor.

OVERT-ACT, a Term in Law fignifying an open All;
or an All capable of being manifelted and proved; in
which fenfe it is diffinguisful from an intentional Act.

So an Overr Word, is a plain, open Word; from the

OVICULUM, in the antient Architecture, a little Owner,

or Egg.

Baldus will have this to be the Lesbian Afragal of Vitrawiss. See Astracal.

Some use the Word Ovienlaw for Ovolo. See Ovolo.

Some use the Word Oricelasm for Units. See UVOLD.

OVILIA, or SEPTA, in andicate Rome, a Place in the
Campan Mariant, at first call'd in, like a Shoop's Peng,
whence is Name: A firewards it was mounted with Marble, beautify'd with Walks and Galleries; as also with a
Tribunal, or Seat of Julice: within which Precase the
People frequently adminished, to give their duffrages for the
Electhon of Magnitates. See Cash via. Novices has the

The Afcert into the Oxide was not by Stairs, but by The Alcent into the Davis was not young, our pright pridges made for the time; every Parith, Tribe, and Century, as the Affembly was Centurate or Tribute, &c. having its proper Bridge. Whence the Proverh, &c Ponte &c. fictendss, where a Perfon is to be barred from giving his Vote. See Comitia

OVIPAROUS, in Natural History, a Term apply'd to fuch Animals, as produce their Young ab Oos, from Eggs; as Birds, lefects, &c. See Egg, lusser, Animal,

28 Birds, Joseph (J. 1968). See Eco. Basacry, Antibako. Winter Compression and the day on producion to those which bring fines their Compression and the secondary and secondary

WRIGHT and POUND.

The Owner Avoirdapors is divided into eight Drachma, and the Drachm into three Scruples. The Owner Trey into twenty Penny Weights, and the Penny Weight into twenty-four Grains. See Drachmy PENNY-WEIGHY,

The Owner makes the eighth Part of the French Mark, and is divided into three Gros, or Drachma; the Drachm into three Penny Weights, or Struples; and the Scruple into tweath of Trains: each Grain compated to weigh a Grain of Wheat. See Grains, See.

All previous Microhandizes, as Gold, Silver, Silk, gr., are fold by the Ounce. See Gonp, Silver,

STANDARD, &c.

Owner Pearls, are those too small to be fold by Tale 5
usually call'd Seeds of Pearl. See Pearls.
Owner Cottons, are certain Cottons brought from Da-Onner Cottons, are certain Cottons brought from Da-majons, of a Quality superior to the rest. See Cor-

The Word Ownce is deriv'd from the Latin Uncia, the rwelfth Part of any Whole; particularly in Geome-trical Monfures, an luch, or the twelfth Part of a Foot. See INCH. Whence, Uncial Letters, large Letters used in In-feriptions, supposed to be an Inch high. See Un-

OURAN, or Ouran Soangues; the Title of a

Sect of Magicians, in the Island Green East-Indies.

Enjt-heeft programment in the Paragon, in The Word implies Mero-Devil's thefe Papile, in The Word in the Art of readering themfeltes invifible, accurately a mention of the Papiles of the

Britto, a Perngsefe Officer, confifting of twelve of these Oscan; with whom he made lncurfions on the People of Time, kill'd great Numbers, &c.

of Taires, kill'd great Nambers, Us.
To try whether, in effect, hey had the Faculty aferibed to them, one of them was tied by the Neck
with a Rope, without any polithility of difengaging
himfelf by easteral means i yet in the Morning Iwas
found he had flippel his Collut.
That the King of Taires enight not complain, Britin
ande war on lim with Devili, he difinited them at

length into their own Ifland.

OUSTED, in our antient Law-Books, a being re-loved, or put out of possession. From the French

moved, or put out of patiento. From the Frence Offer, to remove, take away.

Ousten le Main, or Oten le Main, to remove or take off the Hand, in Law, denotes a Livery of Lands out of the King's Hands; or a Judgment given for him that traverted or fued a Monfitant le Drait. See Munatans

ie Druit.
When it spper'd woon the Matter diffcuird, that the King had so Right or Title to the Land he had feit'd Judgeneet was jown in Chatecry, that the King's shad be more facilities of the Control of the Control

The Term is compounded of the French Outre, and to Mer, q. d. beyond the Sea.

OUTFANGTHEE, a Privilege whereby a Lord is consibed to call any Man (dwelling in his Fee, and taken for Felony in another place) to Judgment in his

own Court.
The Word is form'd from the Saxon at, extra, without ; fang, capie vel captur; and deef, Thief: q. d. Fur

OUT-LAW, Uslegates, one deprived of the Benefit of the Law; and left out of the King's Protection. See OUTSTAWRY.

COUT-LAWKY.

Deadlow [523, an One-Law forfeits every thing he has 5 and that from the time of his On-disawy, he wears a Wolf's Head, and any body may kill him hapsat's effectially if he defend himself, or it, but in the Deadlow of the County of the Count

any Man, but the Sheriff alone (having lawful Warrant therefore) to put to death a Man out-funct.

OUTLAWRY, or UTLAWRY, the Posithment of him, who being call'd into Caw, and lawfully lought, does (after an Original Writ with a Nhili bullet, three Writs of Copins, alias Σ plants, return'd by the Sheriff, with a Nort of lements, and an Exigent with a Proclambia of the P

mation awarded thereupon) contemptuously refiife to appear.

He must also be call'd at five County-Court-Days, a He muit also be call'd at five County-Court-Days, a Month between each one; and if he appear not in that time, Pro Birdey tending, com Princip's may heldid, see Copy, Geneme ecologisation; a. to. the full be pronounced to be out of the King's Protection, and deprived of the Benefit of the Line.

The Birded of which is, if he be conducted at the Site Birded of which is, if he he conducted at the Site of souther, in a Civil Caule, he shall furtire all his

Sant of another, in a Cavil Caute, he fhall forfeir all his foods and Chattels or the King: If on Felony, all his Lands and Tentments, which he has in Fee, or for Life, and all his Goods and Chattels. And then, according to Broilien, he may periff without Law, &c. A Minor, or a Woman, cannot be see hard? A Woman is fast to be using if, where a Man is on-law?

OUT-Works, in Fortification, those Works made without fide the Ditch of a fortify'd Place, to cover and defend it. See Works and Furtification.

The most ordinary of these are Ravelins, or Half-Moons, form'd between the two Bastions, on the flan-

Moons, form'd between the two Estitions, on the Han-quant Angle of the Counterfeary, and before the Car-tain, to cover the Gates and Bridges. See RAVELIN. OUT-RIDERS, are Bailist Errant, employ'd by Sheriffs, or their Depaties, to fummons People in the remotel Parts of their Hundreds, to the County or Hundred Courts. See Bailipp.

OUT-PARTERS, in our antient Writers, were a fort of Thieves, or Highway-men, on the Frontiers of Sereland, who rode about to fetch in fuch things as they

could lay hold on. See INTAKERS.

OUVERTURE, or OVERTURE, Opening, or Prelading; a Term used for the Solemaities at the be-

Preisons; a Term uted for the Solemanuse at the beginning of a public Act, or Ceremony; as of an Opera,
Tragedy, Concert of Mufic, Es.

The Overture of the Theatre, or Scene, is a piece of
Mufic, utelly ending with a Fugue.

The Overture of the Jubilee is a general Proceition,

OVUM Philysphieum, or Chymicum, is a glafs Body, of an oval Form, and refembling an Egg. See Bonx.

OWLER, a Mafter of a Ship, or other Person, that conveys Wool, or other prohibited Goods in the Night, to the Sex-side, in order to ship them off, contrary to Law

The Name is derived hence, that, like Only, they only fir abroad in the Night-time.

OWSE, among Tanners, is Oaken Bark beaten, or ground fmall; to ferve in the Preparation of Leather.

See Bark and Tannino.

Scc Bark and Tannino.

OXGANG of Land, is ordinarily taken, in our old

Law-books, for fifteen Acres; in Latin, Beenaw Terre,

d., spastrows infigite at dire cel affam units Beeij as

much as an Ox will plow. In Linesinfaire they fill

corruptly call it Oxivio of Land.

OXYGRATE, in Pharmacy, &c. a Mixture of Wa-

ter and Vinegar.

The ufual Proportion is one Spoonful of Vinegar to five or fix of Water.

Oxygrate is proper to affuage and refresh. They make Fomentations of Oxygrate, Clysters of Oxygrate,

8cc The Word is form'd from the Greek age, thurp, four, And zegerment, I mix.

OXYCROCEUM, in Pharmacy, a Preparation middle in Plaiffers, for Fractures, and to form Callus's 5 composed chiefly of Saffron, with Gums diffuleed in

Vincgar.

The Word is form'd from the Greek igus, sharp, four, The Word is form a from the treet eye, insure, your, and seems, Saffron.

OKYGALA, Soss-Milk. The Torks use this as a popular Drink, and call it kyer. Pieseere fays, they drink four Milk diluted with Water, which is found with a complete the control of the words.

to cool and nourifh, much better than the Milk atone.

The Word is form'd from the Greek εξυς and γαλα.

OXYGONOUS, in Geometry, acute-angled j formething with an Angle lefs than 90 Degrees. See

ACUTE. The Word is chiefly apply'd to Triangles, where the three Angles are all acute, or less than 90 Degrees each. See Triangles.

OXYMEL, in Pharmacy, a Mixture of Honey and There are two kinds of Oxymets; the one fimple,

the other compound. the other compound is composed of two parts of good Honey, and one of White-Wine Vinegar, boil'd into the confishence of a Syrup 3 proper to incide and four any Phlegm adhering to the Throat and Breath.

## OYE

(682)

and Determiner.

OZÆ

Composed Oxymel only differs from the furple, in that to the Huney and Viriegar, they add the Decotless of Circuits. See Juvine.

When the fire major appearing Noons, with the Seeds of Samilage, Parley, and Fennel. It is used to open range or infurctions in any Place. See Angles, Definitions on the Liver and Splene.

The Word is form'd from the Greek agos, four, and μίλι, Mel, Honey. ΟΧΥREGMIA, in Medicine, a Sourness or Acidity

OX 1 KEGMIA, in Medicine, a Sournets or Acidity of the Stomach Liquion, occidining Belches. From several stream of several sev

is used for Inflammations, and to dry up Tetters.

Sculter prescribes it as follows; Two Whites of Eggs
beaten, one Ounce and half of Vinegar of Roses, four Ounces of Rofe-Warer, and two Ounces of Oil of

The Word is composed of the Greek Life, four, and style, Red. Carly, Red. Carl The Word is composed of the Greek itie, four, and

determine. In our Statutes it is fumetimes wrote Over

Over & Record, is a Petition made in Court, praying that the Judges, for better Proof fake, will be pleased to hear, or look upon any Record.

In the like Sense one may demand Oyer of Bond,

Deed, or Covenant. OYES, a Corruption of the French Oyes, hear ye ; being a Term, or Formula whereby the Cryers, moun Courts, enjoin Silence, or Attention e'er they make Pro-

Courts, rojoin Silence, or Artendone 'er they' make Pro-clamation of any thing.

OZ.E.W.A., in Medicine, a fettled Ulers, in one or both Nolffiles wherein the Hammoria were yested or con-tories, rainous, and fornetimes mixed with a bloody Macca. See Ulers.

It fornetimes proceeds from noglected or ill-massed, would, Considency, Ge. in the Nolffiles effectively in Southwist, Strephilotous, or Vanerel Habits is and fornetimes rollowist & Small-Fox.

It often fpreads and eats thro' the Abe 3 and at other times preys into the Septum Noff, Cartilage, and Os Pa-lati 3 especially in Venercal Cases. Whence the great danger of the Nose in that Dittemper. See Vene-

REAL.
The Word is Greek, ifama, which fignifies the fame thing.



A Confonant, and the fifteenth Letter in the Beglijk
Alphabet. See Leyren, Comsonant, 16e.
When the P is follow'd with an H in the fame
Word, it has the Sound of an P; thus, Philipppy is

y word, it has the Sound of an F<sub>2</sub> thins, philippley is P<sub>3</sub> and Found of the F<sub>4</sub> phi<sub>1</sub> phi<sub>2</sub> phi<sub>3</sub>.

P and Thouse of Fight phi<sub>3</sub> phi<sub>4</sub> phi<sub>4</sub>

Pharach observes, it was usual for those of Delphos to say gards for marie, Sareh for marie; and among the Latins, as of-Barab to worth, Sueph to mee's and among the Latens, as one ten as an is followed, the be was hanged into a p, as forth, periff, P in the Italian Mulic frequently reprefers purso; which is what in our Mulic we call joff, i. c. the Force of Voice, or Inframent, are to be diminished, to as to make a Kied of Eccho.

P P figuifics piu piano, i.e. more foto, or a fectod Eccho weaker or more remote than the former: and PPP figuifics pianoffine faireft of all, or a third Eccho, the Voice being, were, loft in the Air.

as it were, form one fire.

P. M. among Altrocomers is frequently used for post meridiem, or Alternoom; and fornetimes for post messe, after the
Morning, i. e. after Midnight. See Monning. i. e. after Midnight. See Monning. i. e.

P was also used among the Ancients as a Numeral Letter,

fignifying the fame with the G, viz. an hundred; according to the Verfe of Ugurien.

to the verte of Uguines.

\*P finition cam G numerum montprasure below.

The Bassonius thinks it eather flood for fower. See what has been obtered, with refpect to thefe Numeral Letters in general, under the Letter A.

When a Daft was added a-top \$p\$, \$\overline{v}\$, it flood for four hundred Thomland.

drea I nomina.

St. Forms obleves, on Daniel, that the Hebrews had no P, but that the pb ferv'd 'em initead thereof. Adding, that thereis but one Word in the whole Bible read with a P, viz. apaduo.

P, in Prescription, is used for Pugil, or the eighth Part of a andful. See Pugit.

P, in Peteriptico, 8 unes on services.

Philadials. See Peters Emails, equal Paras of any ingredients observed the major services. See Ann.

PH figure Private Paras in, i.e., is "plinat i Paras for or the PH figure Paras in, i.e., is "plinat i Paras for or the Europe by their features. See Convention for the Carry by their features. See Convention for Peter is conductible Bodies, which the Fire immediately testing the Peter is conductible Bodies, which the Fire immediately testing to the Peter in Conduction of the Peter in Condu

ately teeds oo, or is improved by. See Fire.

The oily or iniphurous Part of Fuels is the only proper Pabulum. Tis that alone, whetein Fire can inhere. See Fure,

Sec Fune, Sournes, &c.
PACALIA, a Feast held among the ancient Romans, in
Honour of the Goddets Pax, Peace.

Midwinst, de Laus Virgin. and Bibl. Patrom, Speaking of the impure Felivais and Ceremonies of the Harbons, calls one of em Panalia, which Passage Gronovius charges as faulty,

alledging, that there was no Feast of that Name, but that it should have been Pacaka,

The Ancients, who personified, and even desired every Thing, were not sorgerful of Peace. She had an Altar at Rosse, and a stately Temple, and religious Rites were paid her with great Solemnity

PACE, Paffu, Step, a Measure, taken from the Space be-tween the two Feet of a Man, in walking. See Mrasure. The ordinary Pace of a Man is two Foot and a Half. The Geometrical or German Pace is five Feet. See Foor.

Ormoserines or German Pace is five Fort. See Foor.

The Ancieur, Roman, and modern Italic Mile confifts of a throughat Pacer, Mile Paglia, The French League is 3000 Paces, the Germans 4000. See Mir.s, Leadur, Ge. PACE, in the Manage, is a certain Manner of Motion or Progretion of a Horfe.

The Network Theory of the Conference of the Progretion of the P

The Natural Paces of a Horse are three, via. the Walk, Tret, and Gallop, to which may be added an Amble; because fome Horses have it naturally. See each under its proper Ar-

Trel, and Guidey, to which may be added an munwa; soccanic from Horfes have in naturally. See each under its pmper Article, TROY, GALLON, Sée.

Both eartificial Parce, for Aleas.

Horfes that mist thier Pacce, i.e. funfile betwirt a Walk and Ambie, 16% are feldom of any Value. The Defed proceeds from their frieful, fary Temper; and formerimes from a West-heal other in their Redin of Lega.

PACE is more particularly underflood of that eafy low Mo-tion wherein the Horfe tailes the two Feet diametrically option wherein the Horte tailes the two Feet diametrically op-point at the fame time; callful also Amble, See Ameria. PACIFIC, fornething fraceful, on free from Troubles, Tu-mults, Ed. See Place Lakes. Geographers call the South Sea, Mare Paciforms, the Paci-fic Ocean; a so bring lefs infelted with Storms than the Atlan-tic. M. Frezier affirms, it does not deferve that Appellation,

and that he has feen as violent Tempelis themis as in any other Sea: But Magullar, happening to have a very favorable Word, and our mergeng with any thing out this but, when he fifth traverfed this wait Ocean in 1300, grave it the Name, which is the aversized ever fine. Mary, however, sold, that the violent songular, that the Viella word frequency go from the Name of the Name

to all Sorts of Letters Telfimenial, given by the Bilhop or Chorepticopus to their Pricish when they had occasion to tra-vel alroad, certifying that the Bearre was a Catholic, and in Communion with the Church. The Life of Pope Society L taken from the Pontifical of Pope Domojus, mentions that Pope as the fift who introduced the Left. I make the Common of the Comm as the fift who introduced those Letters call'd Format & or Ca-nonica, Commendativia, Communicatoria, Ecclesiastica, & Pa-

PACIFICATION the Act of Re-establishing the public

The Word is particularly appropriated to the Periods put to the Religious Brolls rais'd in Prasses, in the Year \$56a, by the Edict of Nanto; and the Civil Commotions, between the Eis-

glife and Sows, ended in 1636. See EDICY.

PACIFICATOR is commonly understood in the fame Sense ith Mediator: But Wisquefort makes a Difference. The Peace being concluded between France and

The Fence being concluded between France and England, in the 1th the Inflations on each field were pair the Brinds in the 1th the Inflations on each field were pair the Brinds in the 1th the Inflation of Inflation, the Inflation of Inflation of

NANT.

The Word is form'd of the Latin pacifei, to bargain, agree, &.
The Lawyers fay, Ex mudo patto non oritur Lex. See Con-

PACTUM, PACTIO, PACT is particularly used in the Civil Law, for the Confent of two or more Parties to the fame Thing.

Duorum aus plurium in idem confenfus. L. III. 9. 2. ff de pactis. There are two Species of Conventions, vis. the Pall and Controll. A Pall against good Manners, against publick or PACTA Convents, in Poland, are the Articles agreed on between the King and the Republic; and which they mutu-

between the King and the Republic; and which they muni-ally oblige each offer to oblieve. PADDCOK or Packers-Cornf., a Piece of Ground, corre-reducty acts on or a Pack, sedimenty a Mile long, and a for the exhibiting of Racca with Greyhounds for Wagers, Plans, or the like. See Pa.8.8. At one Bod of the Packers is a little Householder the Dogs area to be enterly, and where they are littly of a result with a The Deer, when the work of the property of the Packers is the Cornf. The Deer, when turn'd to Deer for the igner.

The Lever, when rum a house, run an away on the ray a man he Speckhors are placed on the other Side.

Along the Courte are feveral Poth, rise, the Law-poth, 160 Yards from the Dog-heast and Peans. The generacy of Mile Poth, Half Mile Poth, Pinchira-poth; and the Ditte, a Place made to receive the Deer, and preferve 'em from further Purfich.

fuit. Near the Ditch, are placed Judges or Trien. The Keeper, to filip the Dogs fairly, puts a falling Collins upon each, to litp ther's Ring, and the Dere being turned look and put forward by a Teaser, as from as it is arrived at the Law-polt, the Dogs-hooff Door is thrown open and the Dogs filip of.

If, now, the Der tweer for match, as that his Read is the Collins of the Dogs-hooff the Month of the Dogs for the Dogs for the Read is the Dogs for the Read is the Dogs for the Law Dogs for the Dogs, the Dogs for the Read is the Dogs for the Dogs for the Law Dogs for the Dogs for the Law Dogs for the Dogs for t judgd energe the Dog-house than the Dirch, Sefere he arrives at the Pinchips-golf; it is no Mach, but must be moves at the Pinchips-golf; it is no Mach, but must be moved at the Pinchips of the Pinchips of

The

The Name is taken from Padauon, a famous Italian Painter, who freceeded fo well in the Impedrare, if it may be focalled, that the belf Judges are at a Loft to diffinguish em. Padauon is, properly, applicable to those Medals only, which are fitned on the Matrices of the Padauon; which are fitled properly its different in the general local Medals of the Medals only in the few different in the general local Medals of the Medals of the

tins Nino.

"Jobert observes, that there have been a Pacision and Parinefow in Raby, and a Corteron in Holland, who had the Knack
of imitating the Antique in Perfection.

This Pacision was thus called, from the Place of his Birth,
Pacision: His proper Name was Lowis Lov, is essentially in the
Beginning of the XVIIth Century. His Son Otlavion, tho

Begunning of the XVIIIn Century. His Son Ottenton, the bown at Koney, was also called the "Postmoner of Apilla, or for fine of the other Cools; thinking ball on Occasions of Vibbey and Triumph. See If Visit.

The "Pests took its Name from Apillo himself; who was denominated Pests, locavid, in his Combat with the Serpent Physics, his Mosher Lineau incorapped himself; who was his home to the property of the property of the con-lant construction of the property of the con-lant property of the property of property of

Thus Feffus, but Hefychius rather takes Apollo to have been denominated Pass from valu. Isesande, I beal; in Alluson

to his being the Deity of Medicine.

PÆAN or PÆON was also the Name of a Foot in the an-PAEAN or PAEAN was also the Name or a root in the asset clean Poetry's focalled, as commonly through declared appropriated to the Hymn Paess; tho Pauntilion derives the Name from in Inventor Paess, a Physician. See Poor, It confided of four Syllables, the first long, the reft short; as

PADO-Baptifin, Infant-Baptifin, or that conferr'd on Chilen. See Barrism.
The Word is a Compound of the Greek wall wall's Infant.

d βασίτομός, Baptifm.
PAGAN, a Heathen, Gentile, or Lielater; one who adores the falls Gods of Antiquity. See IDGLATER, GENTLE, Se.
The Wordsomes from the Latin Poganus, a Pegis, Villages.
For when the Christians first became Masters of the Cities, they obliged the Heathers to go and live in the Country, where they might ferve their falle Gods in Safety.

The Abbot Foury gives another Etymology of the Word Dagan. He observes that the Emperor Confiamine, going om Antiech against Maxentius in 350, assembled all his Paran. nom antinera aguind Materiatis in 200 affirmation, for the Tropes, and advised fich as had not rectived Burgling to receive its immediately a declaring withal, that fisch as fload be found unbaptly of lovel quite floor experies, and go Home. Hence, perhaps, fays the Abbes, the Name Pingen might be given to these who cheft the latters The Latin Words.

Opportunity of the Company of the Company

in Oppidation to Milk.

And hence it might, a Time, extend to all Heathens. Or, and heathers, the Word might, come from Perin, Willier, continues the, the Word might, come from Perin, Willier, the Commission of the Heathens.

PAGANISM, the Religious Worthip and Difeiglate of Pagents or the Adaption of 16th and all tile Gads. Among the Commission of 18th and 18th Gads. Among the Commission of 18th and 18th Gads. Backett, for or ficting on Perin Commission of 18th Among the Among the Indian of 18th Among the Ind

caufe, when the Chriftians became Matters of the Cities, the Heathers were obliged by the Eddis of Confination and his Children, to go and live in the Country Villages, Sr. Schinaffass will have the Word from Pagus, confidered as originally fignifying Gens or Nation: Whence we lay indifferently, Pagus Children and C ganips or Gentilifm.

PAGANALIA, an ancient rural Featl, thus call'd, because celebrated in the Villages, in Pagis. See Pagan.

In the Pagansia, the Peasants went in folema Procession

In the Programsia, the Penianus went in Ioleran Proceition all around the Village, making Loftrations to purify it. They had alio their Sacrifices, wherein they offer'd Cakes on the Altans of the Gods. See Prass.

\*\*Halistorniffens\*\* and St. Forem refer the Institution of the Programsia to Servins Tallin. They were held in the Month & Chillmans.

PAGARCHUS, among the Arcients, a petty Magistrate of a Pagas or little District, in the Country; several Times

of a Pagus or little District, in the Coentry; feveral Times mentioned in the Novels.

The Word is form d'from Pagus Village, and 4472 Command. PACE, a Youth of State, retained in the Family of a Prince, or great Perfonage, as an honourable Servant to attend in Vilia of Ceremony, do Medlages, bear up Trains, Robes, &c. and at the fame Time to have a genteel Education, and learn and the fame of the Ceremony.

his Exercifes. The Pages, in the King's Houfhold, are various and have various Provinces affign'd 'em: As

Pages of Honour, Pages of the Preferce-Chamber, Pages

of the Back-Stairs. Pages were anciently diffinguish'd from the other Servants in Livery, by their wearing Drawers in lieu of Breeches; and

coves turn'd up with Velvet.

'The Word is found from the Greek, and Child.

Coiss and Gesteffred observe, that Pages, in the Emperor's Families, were called Pelagogiani Puers. Fancher fays, the Word Page was firl given to the little Boys who attend Tiles to bring 'em their Tiles, Esc. That till the Time of Charles VI. or VII. the Name was common to the bafelf Servants and than 'tis fince then, that Page is become a Term of Honour ; and

the meaner Servants diftinguish'd from 'em by the Name of Lacqueys, &c.

PAGE is particularly used in the Seruglio, for the Children
of Tribute; or, Slaves who wait on the Grand Signor. They
are commanded by the first Aga 3, and constitute four Classes,

Call'd Oda's. See On A.
PAGE of a Book. See PRINTING

PAGEANT, a Triumphal Car, Chariet, Arch, or other the like pompone Decoration, variously adoru'd with Colours, Flags, &c. carried about in public Shews, Processions, &c. See Daco-PAGOD, a Name the Portugues have given to all the Temples of the Indians, and Idolaters of the East. See

The Pareds of the Chimie and Siamele are exceedingly mag-

In the "Meason of the Committee and of committee and the Section of the Committee and the Committee an

The Revenues of the Paged of the Janigrate are so great as substituency Day, from fifteen totwenty Thousand Pilgrims. to subfift, every Day, from fifteen totwenty Thousand Piletims.

PAGOD is also used for the Idol adored in the Temple. See

Hence the Carious give the Name to those little purcelain Images brought from China. Pagen is also the Name of a Gold Coin current in seve-

ral Parts of the Indust; on the footing of the Piece of Eight. Sec Coin, &c. The Enguilo coin Pageds at Fort St. George; and the Dutch

at Dabrate

at Philater.

There are also fiver Pagots struck as Noriginas, Bissages, & which deally bear the Figure of some monitores doe, where there haves. They are of various Values.

PAIN, an amonity Gordinion, adding from a fooders and vice-five the structure of the page of Gordinion and Section in the Organo of Gordinio seconding to other, it is not Brendson of the Gordinion of Confess seconding to other, it is not Brendson of the Gordinion of Confess seconding the page of the page of Section 1997, and the Page of Section 1997,

One may answer, that the Puncture cannot separate the Fi-bres of the Flesh, without shaking the Nerves which proceed thence to the Brain. If it be further asked, why we feel Pain upon a flaking of that Part of the Brain? we are at a Stand; there being no necessary Connection between Concossions of the Brain, and the Sensation of Pain wherewith the Soul is

To account, therefore, for Pain; F. Mallebranch observes, we must have Recourse to a superior Being, who forms an arbitrary Connection between the Shakes of the Brain, and the Senfations of Pain. See Savation.

From the Physical Definition of Pain, it follows, that what-

ever may diffract the Parts of the Nerves or Membranes from one another may cause Pain; but there is nothing in the Comever may dituract use a many but there is nothing in the Compais of Nature, which may not do that, with whatever Figures, or Properties, it be endued: For fine Comewhat may always be apply do a added to any other Body fines play may at length increase into a balk too big to flow through a Canal of a civen Diameter, and will therefore feequire more Room: Whereincreale into a punk row ong surus mangan pangan pinkerale into a punk row of Mill therefore/recptire more Room; Wherefore, while the Sides of Canal are thrust outward, beyond what they are nide to be, that is, the Parts composing those Sides, before contiguous, become loofened and moved away from one canother; if that Body titike upon those Sides with a brink Imperus, and that Imperus be continually renew'd, the Solution will be confiderable, or the Nifts towards a Solution violent, or there will be Pain. Wherefore the confitment Parts Solution will be Parlis, Wherefore the conflittent Parts of Fluids being sufficiently sugmented in Dimension, and propell'd with a continually repeated Inspertus against any Graal of our Body, may occasion that Solution, in which conflit the Effence of Pain.

For it comes to the fame Thing, whether fome Parts are For it coines to the Jame I may, whictner some rates afe added to a Body so the Parts of the Body are, by any Canife whatfeever, feparated to fo great an Interval, near the Sides of a Canal, as to conflirate a Dimension equal to that which arole from the Addition of a new Part; for the Bulk may 60 far increase both Ways, as that the natural Capacity of the Canal fhall not be big enough to contain it, without fome violent Di-latation, and a Diffraction of the Fibres it is composed of:

latation, and a Distraction of the Fibres it is composed of:
And confequently Pain mail enfue.

Farther, as there may be always fornewhat added to another Body; fo from any Body may fornewhat be always taken away; a Body fo diminished in Dimension, and impelled

with a confiderable Inspessor will break thro' the Interffices of the Fibres, where it is lefa than the Capacity of fisch Interffi-ces, and moved obliquely: And because the Superfices of Fibres are not wont to be contained under Geometrical Right Fibres are not went to be contained under Geometrical Right Lines, but to have Particles flanding our and prominent; thefe it divides from one snother. And thus any Body, of whatforer Figure, may occafion in us Pain, fo it be big enough to diltend the Veffels beyond their wonted Measure, or fmall enough to enter the Pores in the Sides of a Canal, with

or imast enough to enter the evers in the biases of a Clinal, with an Impletts in the Manner infinitated. And what is thus advanced, with enterior to Things within the Veffels, may be eatily apply'd to others out of the Veffels, may be eatily apply'd to others out of the Veffels, make a confidered as a Symptom of a Difeate, makes a confiderable Article in a Palliative Cent. See Parameters of the Parameters of the Palliative Cent. See Parameter

LIATIVE. ELATIVE.

Pain is mitigated or affwaged divers Ways; as r, by diluting and foltening of Actimonies, with warm Water mix d with Flower apply d by way of Dirak, Fonentation, Clyfler or Bath. a by refolving and wafning away Obfirultion, by the Cime Means and Refolvents; 2, by relaxing the nervous Veffels, with Drinks, Fonentations, Eaths, the Species of Veffels, with Dinks, Fomentations, Baths, the Species of Relaxants, Anolyses and Aperients. 4. By correcting the Actimony itself with proper Remedies. 5. By freeing the ob-freent, obfirsted, and actinomious Parts from the too much Preffure of the vital Humour; and by foftening, and dippora-ting, and departating 'cm. 6. By rebating or deadening the Senfe by Narcoticks, either instrually or externally. See Naxo-

PAIN TICK, Eff. or, E dure, in Law, an effectal Punishment for one, who being arraigned of Felory, refuse to put bindeff upon the ordinary Trial of God and his Concrey, and thereby tinness must by the Interpretation of Law. See Morra.

This is registry called Priffing to Durah. The Process

whereof is thus preferibed:
"He shall be fent back to the Prifon, whence he cam "He that be tent back to the Prifos, whence he came, and be laid in forme low dark Houte, where he finallic naked or the Earth, without any Litter, Rafhes, or other Cloathing to and without any Raiment about him, but only fornething to cover his Privy-Members, and he thall lie upon his Each with his Hade covered and his Each. "with his Head covered, and his Feet; and one Arm final he drawn to one Quarter of the House, with a Cord, and the other Arm to another Quarter, and his Legs in the same "the other Arm to another Quartee, that his Legs as we same Manner; Let there be laid upon his Body lend, or Sone, as much as he may bear, or more; and the next Day following, he finall have three Morels to Earley-Bread without Drink; and the fecond Day he shall have Drink three Times, as much at each Time as he can drink, of the Water next under the cond time.

muca at each 1 time as he can dinals, of the Water next unto the Prifce, except it be running Water; without any
"Bread: And this shall be his Diet, till he dies.
PAINIM, the same with Pages. See Pages.
PAINTEN, the Art of representing natural Bodies, and
giving ema & Kited of Life, by the Turn of Lines, and the

Degrees of Colours Psinting is faid to have had its Rife among the Egyptions:
And the Greeks, who learn'd it of 'em, carried it to its Perfection; if we may believe the Stories related of their Apelles, and

The Romans were nor without confiderable Mafters in this The Remoter were not without considerable Maiters in this Art, in the later Times of the Republic, and under the first Emperors, but the Iomedation of Empirical, who mail the Emperors of the Common the Common that the Common to the Common that was in Leight, bowever, that the Art returned to its ancient Hosons, and in the Benjinning of the XVM Commry, when Cimston, between himself to the Peccil, translated the poor Remains of the Art, from a Greek Painter or two, into his own Commry.

ruo, into his own Country.

He was focoded by four Eleventines: The first who got any
Reputation was Girifundein, Michael Angele's Master; Puetro
Perngino, Rapharl Urbin's Master; and Andrea Verocchio,
Lovante Da Vinc's Master.

Lemands Dist First's Maller,
But the Scholass fir furpatfied the Mallers 3 they not only
efficed all that had been done before 'em, but carried Painting
to a Pitch from which it has ever fine been declined.
"Twas not by their own mobile Works alone that they advanced
Painting 5 but by the Number of Pupils they bred up, and the
School they form d.

Another part for 12.

In Paris they have two confiderable Bodies of Painters, the one; the Reyal Academy of Panning and Scalepure, the other the Community of Majors in Panning, Scalepure, Sci. See

ICADEMY.

The Art of Painting is divided, by Frefing, into three eincipal Parts, Invention, Defign, and Colouring; to which mee add a fourth, viz. Differing.

Isolation divides Painting into the Composition, the Defign;

Ribbers divided Painting into the Comptition, the Differs and Coloring.

Painter to the List Klog, divided in formal what more accurately, into the Differ or Directly, the Pro-parition, the Experiment, the Orionomer, and the Coloring; to which his English Translates adds the Per-perature of the Coloring of the Perina Coloring, the Coloring and Sentiments of the 5th Matters, which for under their proper Articles in this Dictionary, Dasson, Proposervos, Extrassisson, Centan-Orientus, Oldonovances, Colorin-Extrassisson, Centan-Orientus, Oldonovances, Colorin-ING, &c.

Painting is of various Kinds, with regard to the Materials us'd; the Matter whereon they are applied; and the Manner

of applying 'em.

of supplying 'em. Hiece come Petenting in Oil; "Painting in Water-Colours, Heece come Petenting in Oil; "Painting in Water-Colours, Heece come Petenting in Ministers."

Patterns in 100. The Am of Patienting in Ministers.

Patterns in 100. The Am of Patienting in Oil was unknown to the Ancients, and it was a Family Patient, one folder in the Patienting of the Water Colours, This is the Patienting of the Water Colours, This was an Invention of the winter Advantage to the Are; This was an Invention of the winter Advantage to the Are;

fince, by means hereof, the Colours of a Painting are prefere'd much longer and better, and receive a Luftre and Sweetness which the Ancients cou'd never attain to, what Varnish soever they made use of to cover their Pieces.

they made use or no cover trust PLOS.

The whole Secret only confilts in grinding the Colours with Nat-Oil or Linfeed Oil: But it must be own d, the Manner of Warking la very different from that in Feffe, or in Water, by reason the Oil does not dry near to fail; which gives the Painret an Opportunity of couching and retrocking all the Patrs of his

endoe the Unloady not only all a long it was a growing to enter the remove the Unloady not only all and in the Unloady with Oll thrus with Witere Levelders what, all the Colony, mixing aspectable, and pleve an Unload and Tenders the the whole Wade, inclinable in any of the other Manners.

"It has yet in a Hall in the Unloady in the Unloady of Unloady in the Unlo

Uniers, to tentry their Wall the better against Mositive, cover it with a Platfer of Lime, Marble-Dust, or a Cement made of beaten Titles fook d with Limbed Oil; and at last prepare a Composition of Greek Pitch, Mastic and thick Varnish boil'd orgenter, which they apply how over the former Platfer: When dry, they lay on their Colours as before.

dy, they lay on their Calcars as before.

Others, in fine, make their Platfer with Lime-Mortar, Tile-Cement, and Sand 3, and this dry, apply another of Lime, Cement, and Machefer or Iron Scum; which being well beaten and incorporated with Whites of Eggs and Linfeed Oil, makes an excellent Couch or Platfer. When dry, the Colours

makes an excellent Control or Finiter. When they to con-are applied as before.

To Panky on Wood; they ufually give their Ground a Couch or Lay of White tempered with Size; or they apply the Oil abovernationed: The ecft, as in Painting on Walls.

To Panky on Limons or Commiss, the Canvas being firetched

If P A vary on Limmes or Canotin 3 the Canova being frenched on a Frame, they pive it a Conche or Lay of Sine is When day, By means of the Canova being frenched by By means of the Sine the little (Threads and Hairi are all listle died on the Catol, and the little Holest flopped up, for an o Colone ran path three.

Colone ran path three.

The colone is the colone of the Canova being a colone with a little white Lead to make it day the footner. When ally, they go over it with the Pumiles-Stone to make I fersoon.

go over it with the Pumice-Stone to make it Imooria.
After this, they fomenimes add a fecond Lay composed of
white Lead, and a little Charceal Black, to render the Ground
of an Alth-Golous-plferving in each Manner to lay on a slittle Colour as poffills, that the Cioch may not break, and that the Colours, when they come to be palmed over, may prefere the better.
In fome Paintings of Tities and Panio Fermil's we find
they made their Ground with Water, and pinned were it with

Oil; which contributed much to the Vivacity and Frefinets of their Works: For the Water Ground, by imbibing the Oil of the Colons, leaves them the more beautiful 4 the Oil itself taking away a deal of their Vivacity.

As little Oil therefore is to be used as possible, if 'tis de-fired to have the Colours keep fresh: For this Reason some mix 'em up with Oil of Aspie, which evaporates immediately,

mix 'em up with OH of Alpic, which evaporates immensately, yet ferves to make 'em manageable with the Pencil.

#OPAINT on Stones or Metals', its not necessary to apply Size, as on Cloth y. it fuffices to add a flight Couch of Colours, before you draw your Design; nor is even this done, on Stones or Stones or Stones.

where 'tis defired the Ground fhou'd appear, as incertain Marbles of extraordinary Colour All the Colours used in Frejes are good in Oil, except White

All the Colous wild in Prify are good in Oil, except White of Line and Marke Dell. See Concord. Correly, pellow and white Million, 1997, 1

of Wine with Turpentine.

PAINTING in Water-Colours. Sec Limning. Painting in Frejo. Sec Fresco. PAINTING in Miniature. See MINIATURE.

PARSYNO SO Ministern. Geo MINIATURE.
PARSYNO SO SOCIETA GEORGE SECTION DE PARSYNO SOCIETA GEORGE SECTION DE PARSYNO SECTION DE SECTI

fars. 8 fars, 8%. And for a Set or System of feveral Things join'd to make another complear, as a Pair of Eag-pipes, 8%, and lastly, by Exemplon, for a Thing that is fingle, as a Pair of Tables, 8%. PAIR, Per, in Austomy, an Alfamblage or Comjugation of two Nerves, having their Origin together in the Emin or Spine, and theree dillribated into the feveral Parts of the Body, more onthe one Side, and the other on the other. See

NEBVE.

the Name Painting to the Houle of the Roman Emperors on the Hill; which, for that Reafon, was called the Palatine Mount. Others take it the contrary Way; and fay, that Rominis's Houle, wherein Angustus lived, was properly called Palatinem, Decarles Stuate on the Palatine Mount. See Palatine. TINE.

TINE.

Be this as it will, 'tis certain, Palatium, from a proper Name, in Time, became common to all Houtes of Kings. And as the Kings unaily beard and determined Cantes in their Houtes, in what Part of the Realms forcer finates; hence all to Palatium became a Name for a Cours of Juffle;

hence also Palastims became a Name for a Court of Juffice; thus the French have their Palasti, &c. Sec Courts.

PALANQUIN, a Kind of Chaife, or Chair bore by Men on the Shoulder; much afted by the People of Ceins and the Eaft, as a Vehicle for their Carveyance from Place to Place.

PALATE, Palastims, in Anatomy, the Fielh that composes the Roof, i.e. the upper and inner Part of the Month.

See Mourst.

The Poliste is lined with a glandulous Cost, under which are great Numbers of pretty confinences Glands, feater'd in the Fore-part of it like Grains of Millet, with many Interflices, whole exerctory Ducts, piercing the Membrane, open into the Mouth; but rowards the Hind-part, they lie much thicker; and about the Root of the Uvula are gathered to close toge-

and about the stoot of the Units are gathered to cote toge-ther, that they appear to form one pretty large conglomerate Gland, called by Verbyen, Glondus Conglowerate Palatina, Towards the Bottom of the Palate, behind the Units, is a pretty large Perfection, which, altirel from its Orifice, divides into two, each whereid generous of the Noftrilla. Many take the Palate to be the Organ of Talling. See

TASTE.

Du Laurener fays, the Palate has its Name from the Latin Palis, becamfe exclosed with two Rows of Teeth, refembling lined Stakes which the Latinic call 'PALATT Os, a finall fiquare Boes, forming the Hind-part et the Palasts, and joind to that Part of the Os Absolute.

hich norms the Pote-part of the Santa Specier, have a province or Signory, possessed by a palestine, and from which he takes his Title, and Dignity. See

PALATINE.

The Palatinates, now fubfifting, are either those of Germa-

Thoic of Germany are the Principalities of the Upper and Lower Rhim, i.e. of Bacaria and the Rhim. The Pelati-nass, in Polassa, are the Provinces and Diltricts of the Pelati Grandees or Senators, who are the Governors thereof.

Grandece or Seniston, who are the Governors thereof.
PALATINE, Goart Pachsire, or Court Pachsirum in the
anciest Cultoms, was a Titte given to all Perions who had any
Mathean Hyan. He Takeimer were originally to the the
had the Super-intendance of the Packer, the fine with what
he Grosts called Completion, and the French, Martier Deploiting who, in Time, the Name became more general.
Packet is who, in Time, the Name he come more general.

The only Passings of this Kind, now thousand a tracking of the Rhine.

The Title Passins was afterwards conferr'd on those delegated by the Prince to hold a Court of Judice in some Province; and to such among the Lords as had a Passe, i. e. a

vince; and to tuch among the Lords as had a Passes, i.e. a Court of Julike in their own Houles. The French Writers make the Palasinetes of Compagne to be the first, who how the Unite; which, they will have take Germans and other People borrowed from them; not they om the Germa om the Germans.
At prefent the Word Palatine is restrained to a Prince of ermany, or a Lord of Poland possess of a Palatinate. See

PALATINATE.
The Word is derived hence, that anciently the Emperor
The Word is derived hence, that anciently the Emperor
Pulstain, or Pales prants, to covered them they called Conster
Pulstain, or Pales prants, to covered them they called
the Robins for Pales prants, to covered them they called
the Robins for Pales prants, to covered the Robins
the Codes we also and the Robins, Parassinia, dand
the Robins for Pales prants, the Pales plants for the Empire.
PALATINI Indi, among the Robinsia, were Games inflitucted in Housear of Pales Lefter, as force well have by, one at
others, of Appellon. See Calusta.

feem to confirm the fecond Sentiment. Indeed, it is certain, that he fays Livis inflituted particular Games on the Palsative Mount, in Honour of that Prince; but he apparently distinguishes them from those called Angustates. See Avove-

TRAINS. The Remans had alfo their Apollo Palations, a Sumanne of that Deiry, given him in respect of the Temple erected to him by Apositios on the Palatine Mount, in Consequence of a Report of the Artificios, Which required it to be done: Amongains enticled it with a noble Library, as is intimated by Ministry, the List of the Artificial Consequence of the Palatine Consequence of the Palatine

gottel entirel it with a solie Library, as is intimused by Hi-gory, Lib. L. Egali, III. 1.2.5 of the Fore Tibles, it can which Rome was anciently divided by govering Tailou. See Taxes. PALATIO Soliegnees, called also Maphant Tybes seems plantage to the property of the Company of the Company band and sendings from the Exercise, A Market safing the Company of the Company of the Company of the Company band and sendings from the Company of the Company band and sendings from the Company of the Company band that the Company of the Company of the Company of the Paper of the Interview of the Property of the Company of the Paper of the Company of the Paper of the Company of the Company of the Company of the Paper of the Company of the Paper of the Company of the Paper of the Company the Ear.

The More are the control of the place to the

See PALLIFICATIO They ferve to support the Beams which are laid a-cross them, om one Row to another; and are strongly bound together

with Cross-Pieces. PALE, in Heraldry, one of the Hononrable Ordinaries of an Efcutcheon. See ORDINARY.

The Pak is a Reprefentation of a Pale or Stake, placed upright, and comprehending the whole Height of the Coat, from the Top of the Chief to the Point.

When fingle, it is to contain one Third of the Breadth of the Shield. When there are feveral they are pro-portioned 80, as that two rake up two Fifths of the Shield; and three take up three Sevenths; and in those Cates, the Num-

ber of Pieces is specified as well as that of those they are charged withal, &c. withal, Ec. Pales no bor various Ways, as Wavy, Crebelle, Esillis, Judentel, Ingenied, Sc. There are also Comercé and Flaming Pales, which are Pointel, fornetimes Waved, Ec. The Pales in an Armoury is a Mark of Jurifdiction. See the adjoining Figure 5. He bears Gules a Pale Or. A Coast is aid to be Pales, when it is equally chang'd with

Pales of Metal and Colour

Ris Counter Pailed when it is cut and the two Demi-Pales of the Chief, the' of Colours the fame with those of the Point, yet differ in the Place where they meet; so as if the first of the Chief be Metal, that corresponding to it, undermeath, is of

The Coat is faid to be Paliffe, when the Pales are pointed like those used in the Defence of Places.

Du Cange derives the Word from the Latin Name Palles,

ZM Longe entires the voca from the Latin Name Pallets, a Piece of Tapility. He adds, that the Ancient gave the Name Pallet to the Hangings of Walls. Thus, a Chamber was fast to the Tales with Coch of Gold, with Silk, 26°, as confiling of Bands or Stuffs of two Colours. Hence the Origin of the Word Pale a Stake, 26°. The Arms of Arragonare Talest with Gold and Gules.

and Gillet.

Grenilian observes, that the Romans planted Pales to ferve as Boundaries of Inheritances; and that they confectated them to the God Terminans, under the Name of Pale Terminales.

Ords tells us, they were cowned and adoened with Flowers, Palents, &c. The God was worlhipped hefere their Pales, In PALE, is applied to Things bour one above another, in Mamere of a Pale. E. in when the Stidl is:

Party fer PALE is where the Shield is divided by a fingle Line thro' the Middle, from Topto Bottom. See Pag-

PALED Herrers, in Botany, are those that have Leaves about, or furrounding a Head, or Thrum; as in Mari-

fer about, or furrounding a Head, or Thrum; as in Mart-polity, GETRA, among the undies Grovels, publish, Baild-ling, Marter the Touth exercifed themselves in Westling, Rus-ning, Quoist, Sc. Sec Grossatzurus, and an Antadomy; the com-ling, Quoist, Sc. Sec Grossatzurus, and an Antadomy; the com-ling, Quoist, Sc. Sec Grossatzurus, and an Antadomy; the com-ling, Quoist, Sc. Sec Grossatzurus, and an Antadomy; the Some they recommended to the Company of the Marter for Bodily Exercise, according to the Exymology of the Word solar, Westlings, one of the chief Rescribes amongsit the An-adom, Westlings, one of the chief Rescribes amongsit the An-

cients. See Xystus.
The Length of the Palestra was mark'd out into Stadia each equal to 125 Geometrical Paces , and the Name Stadium

was given to the Areas whereon they ran. See Stadium.
PALESTROPHYLAX, among the Ancients, was the Governor of the Palefirs; and of the Exercifes perform'd therein. See PALESTRA. This Officer was also called Xyllaroba. See Xystarch. The Word is form'd from the Greek manairea, & gónaf Guar-

Alsa. PALILIA, a Feaft among the ancient Romani in Honour of the Goddets Palis. Some call 'em Pariña. See Fa.sev. They were celebrated by the Shepherds on the first of Moys to beftech that Goddels to take care of their Flocks, and profere'em from Wolves, and Diffastos.

Part of the Geremony conflicted in lighting Heaps of Straw,

Partor the Greenooy consisted in legating Heaps of Straw, and jumping over them.

PALILICIUM, in Afternoony, a fix'd Star of the first Magnitude, in the Bull-Five 3 called also Adobstrate.

Its Lougitude in Mr. Hompleas's Catalogue is 5°, 27', 00'. Its Latitude 5', 29', 49', South Paliny gives the Name Pallicium to the Hyades. See

HYADES PALINDROME, a Verfe, or Sentence, which runs the fame, read either backwards, or forwards.

The Word is Greek, washed gue green corrent, running backwards : Such is the Verfe

Roma tibi subito motibus ibit amor. Some People of Leifure have refined upon the Palindrome, and composed Verses, each Word whereof is the same back-wards as forwards. As that Instance in Cambdon.

Odo tenet mulum, madidam mappam tenet Anna. Anna tenet mappam madidam, mulum tenet Odo.

PALING, in Agriculture, &c. 2 Kind of Pence-work, for Fruit-Trees, &c. planted in Fields, &c. See France. It confills of three finall Polts driven into the Ground at a Foot and 2 Half Diffance; with Crofs-Bars nail'd to each other,

In fixing the Pales in Form of a Triangle, Room is to be left for the Tree to play and bow by the high Winds without galling.
The Trees to be bound to a Stake for a Year or two; after

The Trees to be bound to a Stake for a rear or two 3 and which, Fern or Straw may be fluffed in betwist the Tree and uppermost Rails to keep it upright. If the Place be open to Deer, Rabbets, or the like, a Post to be mailed to the Bar between every two Pales.

PALINGENESIA, a Term fignifying New Zirth; or the Paffige of the Soul of a Defunct into another Body.

The Patingsoffic is almost the fame thing with the Metantyfythyfic unaght by Pythogones, and fill) believed by the Brackmans, Bestant and other Philosophers of the East. See

METEMPSYCHOSIS. The Word is Greek, form'd of make over-again, a-new, and

PALINODY, a Discourse contrary to a preceding one. Hence the Phrase Palinosiam Convex, to sing Palinosty; to make a Recantation.

The Word, in the original Greek, fignifies to fing a fresh. Hence it has patied as a general Name for Poems, rec. which contain a Retractation in Favour of a Perfor the Poer had bended.

The Poet Steffeborus is faid to be the first Author of the Po-The fixth Ode of the I. Book of Horsee beginning, O

Roady. The fixth Ode of the 1. Book of Herace beginning, Of Matre publisher, is a true Palimoly, PALINTOCIA, in Antiquity, a Term ufed in two Senfex. For the Delivery of a Child a fecond Time: Thus the fecond Birth of Backins, proceeding out of Jupitiv's Thigh,

was a Philimetic,

, Philimetic was allo wiel for the Reprintion of Ultry, or
the refunding of Interests. The Magarinas, having expell'd
their Tyran, colubid the Philimetic last is, they made a
Law, that is the Cordion thread recum to their Debuse the
Law, that is the Cordion thread recum to their Debuse the
The Word is found from the Greek who a fettle, access,
and visite of side, I being from the
ALISSADE or PALISSADO, Interesting the contact greek or with
Sakes or Philimetic Research and the Cordion of the Cordion
with Sakes or Philip driven into the Coronal, eight or sine
Interest in this yas due Too Ison gather whereof it is the
matter that yas due Too Ison gather whereof it is the
matter that yas due Too Ison gather whereof it is the
matter than the coronal property of the Coronal

uer Ground.

It is utiful to fortify the Avenues of open Forts, Gorges, Half-moons, the Bottoms of Disches, and the Parapers of Coversways; on the Talut of Rampara; the Top of the Outworks, US.

There are Paliflades made perpendicular; others are made sclining to the Ground, that the Ropes cast over 'em, to Patisabes turning, are an Invention of Mr. Cochornes, in order to preferve the Patifades of the Parapec from the Be-

fiegers Sl

He orders them so, that as many of them, as stand in the Length of a Rod, or in about ten Foot, turn up and down like Traps; so as not so be in Sight of the Enemy till they just bring on their Attack; and yet are always ready to do the pro-per Service of Palisfades.

PATISANDA, in Gardening, an Omament in the Allies of Gardens, wherein Trees are planted, which bear Brunches from the Bottom, and which are firred in fuch a Manner, as to appear like a Wall covered with Leaves.

\*Patificial\*\* are made of Jedmin, Filarea, &A.

PALISSE, in Heraldry, a Range of Pahifiades before a Fortification, repre-femed on a Fife, tiling up a confider-able Height; with the Field-appearing thro them. As in the Figure adjoining.

PALL, in Heraldry, a Kind of Crofs, after the Manner of the adjoining Figure; blazoned thus: He heareth Gules, a Crofs Pall Dycest.

PALLA, among the old Rousess, a Mantle which Women were over the Gown, call d Stode. Sec STOLA. It was been onto the left Shoulder, whence poling to the other Side, under the right Arm, the two Ends were bound under the left Arm, leaving the Breath and Arm quite being the left Arm, left when the left Arm, left with the left Arm left with the left arm left are not a second with the left ing to Varro, it had its Name, viz. from mine, Vibro, I fhake.

am very moveable.

Among the Gauli there was also a Kind of Palls were by the Mcn, call'd Galline Palla. PALLADIUM, in Antiquity, a Statue of the Goddess PALLADIUM, in Antiquity, a Statue of the Goddess Pallas, preferr'd in Trey; whereon the Fate of the City de-pended:

The Tradition was, that In building a Cittadel, in Hosone The Tradition was, that in building a Cuttades, in russour of Pallas, and a Temple in the most elevated Part thereof; the Palladium dropp if from Heaven, and mark'd out the Place, which the Goddesis was pleased to possess. After this, Model gave an Oracle, importing, that Troy should never be taken while the Palladium was found within in Walls: Which occaffoned Diomes and Ulyffes to undertake the ftealing thereof.

Tis faid, there was anciently a Statue of Pallas preferred at Rows, in the Temple of Vefts: which fome precented to be true Pallasium of Yray, brought into Italy by Amost: It was kept among the facred Things of the Temple, only known to the Priets and Veftais.

This Statue was effected the Deffiny of Rome; and there were feveral others made perfectly like it, to focure it from being flollen. See Ancyle.
There was also a Palladium in the Citadel of Athens, plac'd

There was allos 2 pollations in the Catalet of Athems, placed there by Nitias.

These Pallations, in all Probability, were no other than a Kind of Nitibuss. See TALIMANIA.

PALLET, among Patners, a link out of Tible, of Wood.

PALLET, among Patners, a link out of Tible, of Wood Patners, a link out amond which the Patners place the Forci Calonen hey have coccioim for, ready for the Penzil. See Caroon.

The Middle ferror on mich the Colons on, and to make the Tenne required in the Work. It has no Bindle, but in Licu blengt, a Hole at each find, up to the Thoms though in the hold it.

The Word comes from the Latin Paleta.

The Word comes from the Latin Pasers.

PALLEX, among Petters, Crucible-Makers, &c. is a wooden Infrument, almost the only one they use, for forming, beating, and rounding their Works. See FOYTER.

They have feveral Kinds; the largest are oval, with a

Handle; others are round, or hollow'd triangularly; o others, in

fine, in manner of large Knives, serving to cut off what is su-perfluons on the Moulds of their Works.

PARLEY, in Gilding, is an Infframent made of a Squirrel's Tail; used to take up the Gold Leaves from the Pillow, to apply and extend 'em on the Matter to be gilt. See Gilb-

PALLET, in Heraldry, is the Moiety or Half of the Pale; or a finall Pale, half the Breadth of the ufual one. See

PALE.

The Pallet must never be charg'd with any thing, either Quick or Dead another can it be divided into riv or qual Para. But it may be into four, for one fourth Part of the Pallet, or 2 Part of the Pallet, is called an Endorgh. See Extraons.:

If the Pallet be upon any Readt, they say, the Beatl is Definition with the Pallet, and the Pallet, are the Pallet, and the Pallet, they have been appeared to the Pallet Beatl be upon the Pallet, they

ornigs with the Pale: But if the Beat be upon the Pale, they fay, he is florightered by the Pale.

PALLEN is also Partbelonging to the Ballance of a Warch or Movement. See Waven and Movement.

PALLIATION, the Action of mitigating, foothing, or diffusing a Thing.

PALLIATION, the Action of mingsting, soothing, or disputing a Thing.

Hence, in Medicine, Palliation is used for the quicting and affuaging of Pain, and providing against the sovere symp-toms of a Disease, when mothing can be directly level'd against

toms of a Dileate, when nothing can be directly leveled against the Caufe. See Parliary vs.

PAILIATIVE Indication, is where the Symptoms of a Diffeate give too much Trouble, and Danger, to have the Care deterral till the Diffeate, whereon they depend, is re-

moved. See Indication. Here, the Symptoms, themfeives, are to be cured, or mitigated a-part : And hence,

PALLATUR Core, is the Answering of a Pellistive Indi-cation; or the Removal, or Mitigation of the Symptoms of a Discase, the Cause of the Discase fill remaining. See Cura.

Best has be observes, that every Mitigation of a Symptom takes away somewhat from the Disease itself; so that to cure all the Symptoms together, is almost to cure the whole Difeate.

all the Symptoms upgether, is almosft to cure the whole Diffacis, 68 of Suryrow. Surpresson which call for fich a Care as each under the support Article Park, and Faintings, See each under its proper Article, Park, Tanara, Wastro, &C., FALLERS, or Pailler, in Building, a Landing-Fluce in Sautz-Cale; or a Serry which, heipe pasced than the real, Sautz-Cale; or a Serry which, heipe pasced than the real, The Term is pure Front's, and nor, much used in Briggle, In Park, or large Service and one much used in Briggle, In Park, or large Service and the Service at Paillers in the fune Range, or Line, they cought to have at Bettier With of two Serve.

Those in the Turns of Stair-cases ought to be as broad as long.

Vitruvius calls the Palliers or Landing-Places of Theatres

Dissonate.

PalLLHFGATION, in Architecture, is the piling of the Ground-work; so throughning it with Piles of Timberdriven into the Ground-work; is perfictly, when they build upon in the Ground-work. In a practice, when they build upon a reason of the control of the control of the Piles of

of a Legislimation.

Thus Robert Großkead, the fumous Bishop of Lincoln, in out this Leven, In figures legislimations and auto Matrisections and forward from the pulls fafter Parentes corner sections, in Matrimont formanciations.

Silem, in his Notes on Flets, adds, that the Children of John of Genuer, Duke of Lancaffer, by Catherens Swenfierd, the legitimated by Add of Patilianent; yet were coverd with the Full at the Time of the Marriago of thie Parents. PALLIUM OF ALL, a Postilical Orament wore by Depts, PALLIUM OF ALL, a Postilical Orament wore by Depts. Determined the Marriago of the Ramijo Church Charles and Macropoliums of the Ramijo Church Charles and Marriago a

over their other Garments, as a Sign or their Jurislellon. See PORTIFICALIS, Fraccorally, Etc.

This in Form of a Band, or Fillet, three Fingers broad, and incompatite the Shoulder; whence by from Authorit its called Superimersile. It has Pendans, about a Palm long, both before and behind with little. Leavine of Lead rounded at the Extremes, and covered with black Silk, with four red. Croffes.

Coeffic.
The Publism is made of white Wood, those from off two
Lumbs, which the Name of St. Agest offer every Year, on the
Publish was a state of the St. Agest offer every Year, on the
The Lambs on steered by the two Guessa of the Charles
of St. Yoka de Latterns; who deliver em into the Hands of
St. Yoka de Latterns; who deliver em into the Hands of
the Aptibilish of the-Access, to whom belongs the Geologie
of making thefe Publismus; which, when mode, it is,
of making thefe Publismus; which, when mode, it is
of their Church, making Parsyrover (mail Night; according
of their Church, making Parsyrover (mail Night; according
modell. Some, with Enfebius, will have the Pallium to have been

Some, with Engleting, will have the Passistant on have near introduced by Pope Linus; adding, that as the Epplad was the Mark of the Postifical Authority in the Jewiß Synagogue, fo is the Passisma in the Caraftian Church. See Erenon. Others have observed, that there is no Mention made hereof before the Year 336.

Laftly, others will have it first granted by Constantine the Great, to Pope Silvester; from whence it passed to the other

Patriarchs and Archbishops.

Patrianche and Archbullogs.

The Pope precends to the fole Right of Conferring the Polliton; the fame Patrianche have greated it to their Suffraguns, having first received it themselves timen the Roman Series.

Aminently the Pope used to fend the Pollitons, to certain of the Directal Billogs, on whom he laid a good Part of his Authority, and who were a Kind of a Collaterals to him, as the Parrial were to the Empreum.

The fift, who received it in France, was Vigilius, Arch-bifhop of Arles, in order, as Pelauter observes, to give him the Precedence over the other Bishops.

the Precedence over the other Billogs.
Autiently they want to Rome to lock it in Perfox, afterwards, it was four by the Pupe's Legates. At all the Guiton with Form, Inflorence, Bulletin, Galantillow.

A Metropolitan, till be have received the Publims, cannot conferent Billogs, or Chawchen, may not be called Archbi-dhop, 65: Upon a Translation the must have the Publims and the Archbirt-Good Publims.

his Archiepifcopal Functions.

The Palkum was antiently interr'd with the Perfon.

The Use of the Palkum is restrain'd to certain Seasons and The Ute of the Yadiams is retirain'd to cereain Seafons and Occasiona; none but the Pope having the Right of wearing it always and in all Places. The Pope fometimes fends it to Elifops on his own Accord; and has fometimes given the Right hereof to particular Churches. Among the Greeks all the Elifops wear the Yadiam.

the Bittops wear the Paisson.

In ancient Titles, Et's, we find mention made of another Pailison, which was a long Garment firead over with Croffes. Terrulline Jays, it was a diffusighthing Garment of the Christians; that of the Heathers being called Yiga.

ans , that of the Heathers being called Yigs.
PALM, Palms, Open, an ancient Remain long Meafure,
taken from the Extens of the Hand. See MILAURIA.
Palms, Uniter Bonn the Length of the Hand, contribed of Fingers, Digit, or Finger's Breadths , equal, according to Meggi,
to tree English Cheek, and eight Teinha. See Floure.
The & Sould Palms, taken from the Breadth of the Hand,
or "Tried, But or Finger, and to two English Cheek, and
or "Tried, See Floure."

two Threes.

Yet Dowler makes the ancient Raman Palmes to be equal to 9 Fremb linkes, equivalent to eight Englijb linches \$\delta\_v\$.

The Greek Palm or Spiths was of two Kinds. The Omall contained four Fingers, equal to a linkes \$\delta\_v\$. The Grees creating ed 5 Fingers.

The double Greek Palm, call'd Dichais, con-

tained 8 Fingers.

The modern Palm is different in different Places where it

obtains.

At Rome it contains 7 Inches v. 1: At Notlet, according to Receivi, 8 inches: At Groot, according to M. Petit, 8 inches: At Groot, according to M. Petit, 8 inches: At Groot, according to M. Petit, 8 inches v. 1: In London v. 1: At Leghon in 8 Inches v. 1: At Leghon in 8 Inches v. 1: At Leghon in 1: At Leghon in 8 inches v. 1: At Leghon in 1: At Leghon in

PALMA, in Anatomy, the Inside of the Hand. See HAND.

PALMS, among Botanifts, white Bads, flooting out of Willows, or Sallows, before the Leaf 3 of the Expansions where-of, the Leaves themselves are form'd. See Bup and Gra-

MINIATION.

PARES-SWADAY, the Sunday next before Enfler-Sunday; or the laif Sunday in Zeny. See Leyry.

I has been than scalled from the primitive Days, on Account of a pious Ceremony then in self-, of bearing Penhar in Memory of the Trimphant Entry of 1961 Ctrip in one Synthesis, eight Days before the Feath of the Pathyer, delribed by See. Abstractor Canap. XXI, St. Ab Chap, XIX.

The Ancients had also other Names for this Day. For 1. they called it Dominica Competentium, i.e. Sunday of the Competents; because on that Day the Catechamers came to ask the Biftop Leave to be admitted to Baptifin, which was con-ferr'd the Saturday following. See Barrian and Carechu-

They had also, then, given 'em the Symbol or Credo to get off by Heart, to be repeated to the Bishop in the Ceremony of

off by Heart, to be repeated to the Hilton in the Ceremony of Baptims. See SYMBOL.

2. They called it Capitilivium, the Sunday of eaching the Heast by treation those, who were to be baptimed the following Sunday, were prepared by waiting their Head this Sunday.

Some Time attrements they called it Indusprace Sunday, by reason the Emperors and Patriarchs used to distribute clirks on the They. See Insurger example.

reason the Emperous and Farmania utes to minimize the Day. See INDUCENNE.

PALMARIS, in Anatomy, a Muscle ferving to contract the Pains of the Hand, in graping.

It arises from the internal Promberance of the Hamerus, and by a long and flender Tendon, paffes above the annular Li-gament to the Palm of the Hand; where it expands itself gament to the Falm of the Hands where it expanse man firm a large Aponeurofs, which cleaves clot to the Skin above, and to the Sides of the Mittacarphy below, and to the first Palatan of the Fingers to by which means it makes four Cafes for the Tendous of the Fingers to pais three.

This Muscle is foractimes wanting, but the Aponeurosis is always there.

ways need.

Palmars brevis or Quadresus, a Muscle that lies under
the Aponeurosis of the first. It arties from the Bone of the
Massacrysis that suffains the slittle Finger, and from that Bone
of the Carpess which lies above the rest. It goes transversly,
and is inferred into the eighth Bone of the Carpess.
It serves to draw the Palm of the Hand into a concave Fi-

PALMER, in our ancient Writers, is used for a Pilgr and fornetimes for a Crasse, on Account of a Staff made of the and fonctimes for a Craife, on Account of a Stati made of the Paths-Tree which they ever afterwards bore as a Badge of their Devotion. See Pilonim, Coorse, Caorsaps, Sc. PALMISTRY, a Kind of Divination, perform'd by infpecting the Paths of the Hand; call'd alio Chiroseney.

See CHIROMANCY.

PALMULARII, more properly call'd Parmetlarii, in Antiquity, a Sort of Gladintors, who fought, arm'd with a Sort of a little Buckler, call'd Parma. See Gladiator and

PALPABLE, formething that may be perceiv'd by the Senfes,

PALPABLE, tomerating max may be perceived by the seniers, effectably the Senfe of Feeling.

Hence Impalyable-Powder. See Powner.
PALPERR E, in Anatomy, the Eye-Life's; or those moveable Covers which serve to screen, and defend the Eyes. See

They confill of a thin mulcular Membrane, covered without fide with a fitting, yet flexible Skins, and lined within-fide with a Production, as fome think, of the Periteranium. Their Edges are fortify d with a for Cartilage, by Means whereof, and the state of the Cartilage, by Means whereof, the state of the Skins was supported by the state of the Skins was supported by the state of the Skins was supported by the Skins was

Out of these Cartilages grow a Palissade of stiff Hairs Out of their Cartages grow a raminate or thir related to cling a offerest Use to warm the Eye of the Approach of Dan-ger, either in steeping or waking; to keep off Motes, Files, \$56, in the Air, and break the too sterce Impression of the Raysof Light. See Cilia.

Light. See Cilia.

Thefe Hairs, it is observed, only grow to a certain conven

Thete Hairs, it is obtered, only grow to a certain convenient. Length, and never need cutting, as unfol tofers dot, add no this, that their Points fland out of the way; those of the upper Eyelish being been upwards, as those of the lower downwards; to nice was Nature, in fach finall Matters.

At the Commission, of Joining of the upper and under Eyelish are formed two Angles call of Camibi. See Canvinus.

In the Inner of these is a Gland call'd Glandula Lachrymalis, from which proceed two or three Ducks, which, opening on the inner Surface of the Eye-lid, ferve to moiften the Ball of the Eye, and keep its Membranes from growing harft and dry. See GLANDULA LACHRYMALIS.

Near the other Angle, is a Gland call'd Imminists; which helping by feveral Branchesto irrigate the Eye, the Over-plus is carried to the Poet person and unfainteened to the Note throw the Printle Ladsymmins. See Lacraymalla Poncra. By their Glands it is, that the Hamoun, call'd Tears, is

The Eye-lids are both moveable, especially the upper, which has two Muscles to raise and depress it, call'd Aniellens, and

imens or Orbicularis. See ATTOLLENS, DEFRIMENS, In Quadrupeds the lower Palpibra is moveable, and the

finaller; in Birds, on the courary, the lower is immoveable, and the greater. Animals that have hard byes, as Lobders, and the Generality of Fishes have no Palpebre; as being sufficient ently fecured without.

In the Generality of Brutes is a Kind of third Eye-lid, which is drawn, like a Cursin, to wipe off the Humidity which might incommode the Eyes; it is called the Nichnstone

Membrane. See NICTITANS.

The Monkey is almost the only one that wants it 4 as being furnish'd, like Man, with Hands to wipe the Eye on Occa-

pal.PITATION, in Medicine, a pretenatural Beating, or Pallarion of the Heart. See Puts. 25.
The Publishesion of the Heart, is an Irregularity in the Motions of that Vifest, whereby it is driven with Violence cowards

The projection of one Heart, is as irregularly in the Mo-ther Committee of the Committee of the Committee of Pulls. See High any.

There are forward Degrees of Pullsteiner's Soundment Victorian of Pulls. See High any.

There are forward Degrees of Pullsteiner's Soundment Victorian of Pullsteiner's Degree of Pullsteiner's Soundment Victorian of Pullsteiner and Committee. See Transparation proceedings of the Pullsteiner and committee. See Transparation of Pullsteiner and Redden Motions. Soundment of the Will of the Heart; as it wis volved to the Heart, excelled the Heart of the Committee of the Heart of the Heart of the Pullsteiner and Committee. See Pullsteiner and Committee of the Heart o

Worms, Hairs, an American, Sc. C. Sometimes it affect from a Stone, Worms, Hairs, an American, Sc. C. Sometimes it affect from a thick, copious, polyposs Blood: and fometimes from the Arteries, being bosone carrilaginous or boxy 4 or their Extremities oblimited therewith.

In the Difficient of Tremme, an Anthor, himself affilled with this Difficial, makes a particular Diffquiftion into its Name and Code.

ture, and Canfe. Anatomy, he observes, shows us a great Number of occa-fional Caules of this Discase: But Physicians are still at a Loss

to determine the efficient Caufe.

to determine the efficient Caufe.
The Moderns, with better Earlie than the Antient, fick
The Moderns, with better Earlie than the Antient, fick
The Moderns, with the Earlie than the Caufe of the Caufe

in the Perseardison. In force the Heart is extraordinarily big, and the Pulmonary

In fome the Heart is extraorantarily ong saut the Philosophy Artery dilated to double, or quadruple its ordinary Capacity, with Oblfructions of the Pulmonary Vein, consisting of cartila-gious Matters which cram its Cavity fo close, that as Blan-chard tells us, in his Anaromy, 'tis fomeetimes difficult even to a Pinin

es a Phine.

From these Observations, some have concluded, that the
Capillary, Sc. Vessels of the Langs, opposing an impussable
Dike to the Course of the thickest Part of the Blood, driven thither by the Contraction of the Heart, fo as only a finall Quantity can find a Padiage through them; the first, to as only a final Quantity can find a Padiage through them; the first multi make an Effort against their Sides, and oblige them to give way and firetch them out, in Proportion to the Quantity of Elood impelled against them by the Contraction of the Heart.

peties against mean by the Contraction of the Heart. But because the Poincoary Arrery cannot fretch wide e-nough to receive all the Blood of the right Ventricle drivas thinker at a Contraction a and fine the Blood, by reation of Obdructions, cannot continue its progretilive Morion, in Propor-tion to the Velocity wherewith it is impelled, by the Contra-ction of the Heart; the Heart are each Countralion latis to express into the Pulmonary Artery, all the Blood it contain'd in s right Ventricle. Thus that Part of the Blood which remains, receiving the

whole shock impressed by the Contraction, returns it again to the Heart by Reslection, striking imperaously against its Sides, and making it bound and shoot rowards the Ribs.

The same Confequences will arise from Obstructions of the Aurts, preventing the entire Evacuation of the left Ventricle 5 pervating the entire Evacuation of the left Venticle y and generally, from all Oblindrions or Comprellions of the Veticle, as Polypuis, Abhesito, and Dropfes in the Partinant the Heart. As to Worms, their bitting, and gaussing of the fi-broar Parts of the Heart, mult occurson violen Refluxes of Spi-tits towards the Brain, bellow'd with a copious Effusion of c-ther Spirits into the Nerves of the Langs, by the Confern of And by fuch Means violent and convultive Contractions will be occasion'd throughout the whole Texture of the Lungs which opposing the free Passage of the Blood may occasion a

The fame Difeate may arife from a Compression of the Lungs, occasioned by the extraordinary Rarefaction of victors and fermentative Jutees, folgonaming in the Stomach and Infe-flines; which dilate those Parts to that Degree, that the Disphragm and Lungs, being extremely traightened, the Blood camper circulate without Abundance of Difficulty; a Palpita-tion therefore must castle 5 which will last as long as that Rårefaction in the first Passages.

resection in the init Parages.

Such, according to modern Phylicians, are the immediate
Caufes of the Papitation of the Heart: The remote of occafional Caufes are whatever may occasion fuch Obstruction of

fiscal Clautes are whatever may occation inch Ostrinacion of the Paliments Artery, Sci. Explicita lays down Wiedo or. In the time: Work, scott-Politicities; he delighat the Accionation of the Control of the Accionation of the Control of the Accionation of the Mine Model on this as the most ordinary Oscottoberevit; 10 Effect, flays he, from this Source may be deduced as Meltitude of Castler of Sympathetic Politication, by Means of the Ventricle, the Dispiragum, Mediatilia, Sci. Others with laws the fold Cantle of Politication of the Science of the Ventricle, the Dispiragum of Politication of the Science of the Ventricle of the Castler of Politication of the said of the Ventricle of the Castler of Politication of the avided of the Castler of the Castler of Politication to be a wided to the Castler of the Castler of Politication to be a wided to the Castler of the Castler of Politication to be a wided to the Castler of the Ca

Blood which by its extraordinary Rarefaction, dilating the Pu monary Artery, and, by that means, opening the Cavity of its Capillary Velicls towards their Extremes; or, by this Dilata-tion, comprefing the other little Velicls of the Langes, pre-vens the Blood from continuing its circulating Motion with Freedom: and, by that means, opening the Cavity of its Ca-Freedom: and, by that mean, opening the Carry of its Ca-pillary Veffels towards their Extremes; e.e., by this Dilatation, compreffing the other little Veffels of the Lungs, prevents the Blood from continuing its circulating Metron with Freedom; and thus occasions a Palpitation of the Heart. All their Anthorn bold the Palpitation a dangerous Difeate,

All their Authors note the Properties a disagrees assessed and Gales observes, that those troubled with it, when young, never live to grow old.

According to M. Pilon, a Doctor of the Faculty of Partis, the Palyinstion of the Heast may arife, either from a too abundance. the Paljistine of the Heart may artis, either from a non about Sendyr, feeling the proper Membrance of the Heart as Gelien found to be the Celie in opening a Monkey, or from the period of the Celie in opening a Monkey, or from the period of the Paljistine of the P

the Heart, either item the grand Veffels which furnish the Elicod, or irom the Luosy, or from the Brain.

Of these three Cautes, the most ordinary stems to be the two great Extension of the Periversitions, by Water, as it found to be in the Bodies of most of those open'd after this Differe. See Principal Williams.

See Pericardium. The different Caufes have their different Symptoms.

Solling Serofity, thrown out of the Blood-Veffels into the Heatt, fhews infelf by fudden Beatings of the Temples, Whizzings in the Ear, dim Sight, wandering Pains in various Patts of the

Body. In that produced by the Abundance of Water in the Peri-certisms, or from the Humour fwelling the proper Membrane of the Heart, the Heart feems as if influenced in Water; the Palie week, the Paliphinian continual, or nearly fo, together with a Ferrillmest, and a Difficulty of berathing. To which may be added, that the Difficult comes by link and link. The Paliphinian arting from the Seroliny is continued by bleed-

The Punyinism aring from the Seroiny is cared by bleeding, the other by punging.

PALSGRAVE, a Term afed among the Germani, of the fame Import with Pulsation. See Palatine. And the Dutch, it is composed of the Latin Pulsation, and the Dutch, Grews, Governor, i.e. Governor or Superintendant of a Prince's Palace. See Gaave.

PALSY, Paralysis, in Medicine, a Difease, wherein the
Body or some of its Parts, lose their Motion, and sometimes

their Senfation. The Caufes of the Palfy are an impeded Influx of pervo

The Cautes of the Paly are an impeded Influx of nervous Splitis into the Villo of the Musicles; yor of the actetions Blood into their Velfels, which may happen from from Fault, either in the Brain, the Nerves, Musicles or their Velfels.

The Paly's is faid to be partief or complete, when there is a Privation of Motion and Sendation at the faime Time.

Dapter felt, when one of the two is delivoy'd, the other re-

imperior, when one of the two is destroy of, the other re-maining.

The Pally is either Universal, Lateral, or Particular.

The first, call'd Paraphogus or Paraphogus, is a general Im-mobility of all the Mutches that receive Nerves from the Cara-brium or Carebialum, except their of the Head : Its Canfe is u-faully flappoide to redde in the Ventricles of the Brain, or in the

nany apposes to reme in the ventue as of the Brain, or in the Root of the fpinal Marrow.

Examiler makes this a different Difeafe from the Paralysis, which he supposes to consist in a Restraction of the Ligaments

and Membranes ferving for Motion; but the Persphysis in a mere Obstruction of the Nerves. The Paraphigia is feldom a primary Difease, ushally a fe-condary one, attending or following an Apoplexy, Scarbutts, Carus, Arthritis. See Paraphegia.

The fecond, call'd Hemislegies is the fame Difease with the Persphesies, only that it affects but one Side of the Body: Its Cause is the fame, only restrained to one Side of the Eesin or fpinal Marrow.

The third, call'd particular Paralysis or Palis, is where fome particular Part or Member alone is affected; E.gr. where the Motion of the Arm or Leg is destroy'd. Dr. Quincy observes, that a Paralysis where Motion is de-

The year of the control of the contr external Competition. Fourthly, from hor Things, which flraighten the fupple Membraors and Veffels. All thefe Carfes affect either the Blocd, or Mufiles; the former, by thickening that Turnour for that it cannot finddenly rarify; and the larter, by relaxing the Mufcles leto too great a Length, by too much Moiliure, or controlling them into too acrow Dimensions by too much Heat. But the Seniation may yet be prefered, be easily, notwithflanding all their Hindrances, the animal Spirits and Nerves man on be a self-active.

rits and Nerves may not be at all affected.

riss and Nerven may not be at all sifeded.

The Carefa of the Tenephyl when Senfation is delitroyd,
Morion remaining, he otherwe, may be all thost Things
Morion remaining, he otherwe, may be all thost Things
below the Carefolom, that the indiced they may from inso the
Maßes that the Nerven, and there, by the Occarino et items
Morion the Characteristic and the Tenery, as from a very flight
Carefor to be made to undulate; where Senfation will cales
where things the Holizon of the East, and a senfation will cales

without lefting the Motion of the Part.

The Canfes of this Kind are allo whatfoever render those
Nerves more lax and modil, and so left apt for lively Vibrations a the animal Spirits flowing in the mean time into the
Musicles, from whence Motion is performed without Sensa-

tion.
The Care of the Pully, according to Wolfphinit, does not differ such from that of the Vesteral Diffacts, Internally, Mercenials, Quodenies, and Decediers of the Visods are goods. Mercenials, Quodenies, and Decediers of the Visods are goods. This property of the Wolf are good to the Wolf and the Wolf are good to the Wolf and the Wolf an

egati. See Saga.

This Garment was open on the Sides, with short Sleeves

This Garnete was open on he Sides, with flort Sheets, like Angelv Wings, and cane down no hope were than the Nate. It was other white or red; and Federian Mensioni remains the same of th

ren Gu. Picces. See Park.

If the Number be odd, then the Field is first named, and e Number of the Pases specified.

The like is to be understood also of Barry and Bensy. See BARRY, &c.

PALY-BENNY is, when a Coat is divided, both Pake and Bend-wife; as here: The Field Poly-Bendy, Topas and Diamond.

PAMPINIFORME Corpus, in Anatomy, a Sort of Plexiti or Knot of Blood-Veffels, form'd by the Spermatic Veins; which in their Progress through the Toffer, conflicte a Body, call'd Corpus Variosium Pampiniforms, or Pyramidale. See Para-MIDALE CORPUS. See also Testicle, Spermatic Vein,

PANACEA, an univerfal Medicine; or a Remedy for all Difeases. See Ellixin, 85c. The Word is form'd from the Greek mar all, alasquel, I

The accurate Boerhause overturns the Notion of Panacea's; and flews, from the different Caufes, Natures, Effects, Scats, Esc. of Difeafes, that feveral may be cuted by one Medicine; all, by none but, all, by none.

He observes, that the most voiverfal Remedies known are
Water, Fire, Mercury and Opiums; and adds, that by these
alone, cautiously diffusifed, some have acquired the Reputation of universal Physicians. See Maroura, Opium,

PANACES, or PANACEOUS, a Name applied to feveral s afcribed to

Plants, by reason of the extraordinary Virtu There are three of these Panaces; the Heracham, Acheena, and Chiromian; so called from their Inventors, Horeules, A.

and Letroman; to called from their inventors, Herceller, Af-clepies, and Chiran.

The first is the Sphoudilium moins of J. Batthin; from the Root and Stem of this is drawn, by location, the Gum Opopo-nex. See Oronowax.

The Afelpian, according to fome Botanitis, is a Kind of hited for that Parrofe, fought with wild Beatls; which Oph. Firstle, which Gof. Bankin. calls Libeacotts Fernice, and the confirms from Caffian, Justiman, Clausian, Fernicus, Mannius and Caffiadorus. The Chironian, according to fome Is a Kind of Heliambe-

PANADA, or Fawatella, a Diet, confifting of Bread boil'd in Water, to the Confiftence of a Pulp 3 given to fick Perfons whose Digestion is weak, or to whom stronger Foods would be

improper. See DIET.

This formetimes made thin; to ferve as a Drink; and former likewife fewetened, Se. to render it more palatable.

The Word is form'd from the principal Ingredient Panis Bread. PANAGE or PANNAGE in our ancient Cufforms. See

PANNAGE

PANNAGE:
PANNAGE:
PANNAGE:

On PAYORYCHIA, in Medicine, a painful
Tumour or Inflammation, arifing on the Extremities of the
Fingers or Toes, popularly called, among us, Whitlee.
It is occasion'd by a flurt or faline Humour, ledg'd between the Bone and Periofteum, and the Nerves and Tendons.

An infallible Remedy for it, is to open ir either with the

Point of a Lancet, or with fome Unguent, and then to dip the The Passeris is exceedingly reflicis. Befide the mild Kind call'd Whitlee, there is also a malignant Kind, called a Felicis. It fometimes tends to an Imposthume, but more usually Gan-

'The Word is form'd from the Latin Panaricians, which we find in Apuleius; and that from the Greek stapayous, i.e. an

Abforfs at the Root of the Nails.

For the Pausris, after bleeding, and the univerfal Remedie Dr. Burner orders the Patient to hold his Finger a good while in a rotten Egg, or a patrify'd Moule. Hismont adds, he has feen a Finger as big as an Arm, by means of a Panaris, cured by rabbing it with Blood, then wrapping it up in a Mole-Skin.

Repertus adds, that to hold the Finger affected in a Cats Ear,

Rusersui adds, that to hold the Finger aftected in a Cast Ear, curva a Pensor's in two Hours. Objevast. 6, 20ts. 4.

PANATHENÆÅ, in Antiquity, a Feast celebrated at Athest, in House or of Minrosis, whom the Greek called Athestes. Has persative and Sundas refer their Inflitution to Tichtonium IV. King of Athest who lived below Theytus Theodores, alone, lays the Feast was citabilited by Orphens.

atone, fays the Featt was ettabilited by Orpheus.

Bethis as it will, till Theybeat, this was a particular Feath of
the City of Atheus, and was called firmply Atheuses: But that
Prince uniting all the People of Artics into one Republic, they
all stitled at the Featt; whence the Name Passatheness, i. c.

Feaft of all Attica

In Effect all Attics was prefent; and each People fent a Ballock for the Sacrifices, and for the Entertainment of the vaft Multitude of People affembled.

If they cat a great deal, it appears they did not drink lefs; witnefs the Veffels they drank out of, which were called Pasethensics, each of which held two Conglus's and a half. See CONCIUS.

There were two Kinds of Panatheneas the Great, cele three Years; and the Little, every Year, or every three Years; if we may credit the Author of the Argument of Demofitiener's Oration against Midias.

In the Panathenea was held one of the Proceifions which the Antients call'd Panape, composed of the brilkest old Men. each whereof bore, in his Hand, an Olive-Branch , whence they were called Thallotheri.

This was to do honour to Mineros, in Quality of Inventrefs of the Olive-Tree; on which Account they had likewife Com-bats, wherein the Victors were rewarded with Vettels of Oil. and crown'd with Olive-Crowns. It was a Crime in any of the Spectators to be clad in black.

The Ceremonies were the fame in the great, and the little

Panatheness excepting a Banner wherein the Actions of the

Goddess were represented in Embroidery personn'd by Maids, with the Names of those who had diftinguish'd themselves in the Service of the Republic; which was only bore at the

PANCARPUS, in Antiquity, a Sort of Spechacle, or Show hich the Raman Emperors frequently exhibited to the People. See SPECTACLE

See Byrk Takle.

The Panasopan was a Kind of Chace, or Hunt. For the Performance hereof, a Number of Beath, as Hares, Deer, Ballocks, Ef., were that up in the Gross or Amphibiteature; into which Trees were frequently transfigured, fo as to form a Kind of Forest, wherein the Beatis were let look; whence the Panasopan was also called Sylva.

corpus was also called Syrina.

The Beatis were thus abandon'd to the People, i.e. to all who were disjorded to share in the Pleasure of the Chaece, who pursued, short, killed and cut in Pieces all they could lay hold of.

Heliczabalus, the Gordian's and Probus, gave this Divertion Histograms, a contractive frequency of the property of the pro

The Word is form'd from the Greek gais all and suggest

Hence the Name was also given by the Arbenians to a Sa-lifice, wherein all Kinds of Fruits were offered. PANCHREAS Sec SPANCHEAS. PANCHREATICS Sec SPANCHEATIC JUICE.

PANCHREST, Passchrefter, in Medicine, a Panacea, or Remody for all Dittempers.

The Word is form'd of the Greek war all, 25164 Utilit;

PANCHYMAGOGUE, in Pharmacy, an Extract of Aloes, Rhubarh, Senna, Scammony, Jalap, Aguric, Coloquintida and

Black Hellebore. See Extract

Black Hellebore. See EXTRACY.

Its Name affects bettee, that being a Composition of all the Kinds of Purgarives, it has the Virtue of punping all the Hemours of the Body at once. See Purgariyes.

The Weed is form'd from the Grook and all, guide Soutts, Jaice; and all, and south of the Australia of Medical Particles and South of Exercises, consisting of the Austral or Weeltling; and Boxmide Exercise, consisting of the Austra or Weeltling; and Boxmide Exercise, consisting of the Austra or Weeltling; and Boxmide Exercise, consisting of the Austra or Weeltling; and Boxmide Exercise, consisting of the Austra or Weeltling; and Boxmide Exercise, consisting of the Austra or Weeltling; and Boxmide Exercise, consisting of the Austral or Weeltling; and Boxmide Exercise, consisting of the Austral or Weeltling; and Boxmide Exercise Consisting of the Austral or Weeltling; and Boxmide Exercise Consisting of the Austral or Weeltling; and Boxmide Exercise Consisting of the Austral or Weeltling; and Boxmide Exercise Consisting of the Austral or Weeltling; and Boxmide Exercise Consistency of the Austral or Weeltling; and Boxmide Exercise Consistency of the Austral or Weeltling; and Boxmide Exercise Consistency of the Austral or Weeltling; and Boxmide Exercise Consistency of the Austral or Weeltling; and Boxmide Exercise Consistency of the Austral or Weeltling; and Boxmide Exercise Consistency of the Austral or Weeltling; and Boxmide Exercise Consistency of the Austral Order ing or Pugilara.

The Pancrasium was the third Gymnassic Exercise, and was The Patter elimin was the third symmetric Exercise, some was not introduced till long after the former. See Gaymakayte.

The People, who engaged in these Exercise, were called Posterataight; which Name was alfo given to fuch as did not confine themselves to one Exercise, but shockeded in Several

different ones.

directed ones. The Word is compounded of wa's all, and zegins Force.
PANCREAS, in Anatomy, popularly call'd the Scorebrand, a long conglomerate Gand, or a Body compofied of an
infinite Number of little Glands, tied up in the fame common
Membrane; if fusite at the Bertom and Hind-part of the Stomach, and reaching from the Directems to the Spieca. See GLAND, STOMACH, &c.

The Glinds it conflits of are bound together both by the
Veffels, and by a Membrane proper to each of them; and all
together are loofely cleath'd with a thin Membrane, from the

eritoneum. Its Colour is Carnation ; its Form like that of a Dog's Tongue, 8 or 9 Fingers long, 24 broad, and one thick; its Weight 4 or

5 Onnes.
Is Ameries come from the CeHae; its Veins go to the Peria; its Nerves come from the Ebpair plants.
Each little Gland has an excessory Ducl, which mitting form one common excessory Ducl, called Dublins Powerful and Periangua, Problems of Anatomy at Passar Perilingua, Frodelion of Anatomy at Passar

cast Perfittings, from Perfittings, Processes of Demonstration of Man, the Difference thereof.

This Doll, rimning along the Middle of the Posteries, opens into the Cavity of the Disastrating, generally by two Months, the one four or five Fingers below the Pylerins, fontetimes at the fame Orifice with the Duffer Cholidens; the other lower. the same Unince with the Dustins Chelidicus; the other lower. This of the Bignets of a Rayen's Quill, near the Instellines, but lefs, further off: Die Granf observes, that it is frequently double. The Passwart serves to separate a peculiar Humour from the Blood, call'd the Passwarts State. See Passwartaria

JUICE. The Word is form'd of the Greek was all, and zeles Care,

Fleih.

PANGREAS AMINI, in Comparative Anatomy, is a large Gland in the Middle of the Mefentercy of form Brutes, effectally Dogs 3 to which, mol of the Lacktess refort; and whence the Chyle is conveyed, by large Veffels, that have their Rife immediately from the Intellines, and call? Lacktes fecunit Generit. See MESENTERY

It has its Name from the Author who first took notice of it It has its Name from the Author who hit fook gones or it.

All Perrault observes, that the Fish, call'd Place, has 440
Pencrus's; the' it has but five Dusts opening into the Intestines, each of which correspond to 80 Panchesar's and 2

them to 100 a-piece.

PANCREATIC Juice, as infipid, limpid Juice; or Huour feparated from the Blood, and prepared in the Pancress, See PANCREAS.

This Juice is not acid, as most Authors have supposed; nor alcaline, as some others; but, a little faline, and much rembling the Sassus in its Origin, Vessels, and Properties.

"Tie carried by the "Panarycoste Duck" into the Disordename,

This carried by the Panarestit Dutl Into the Disselecture, where it ferves to dilute the Chipe, to render it more fluid and fit to enter the Mouths of the Laskealis and perhaps to temper and dilute the falls, to change its Vificklity, Eltternets, Coolour, Et. and make it mix with the Chyle, in order to reduce the feveral Taltes, Odours, and Poperties of the Feveral Foods into one homogeneous one. See Bille, Chille, and Carrinton one homogeneous one.

LIFICATION Theo, Janfen will have the Pancreatic Juice to have been nown to Hippocrates and Galen.

De Grasf, a Dutch Physician, has found Means of collecting Quantity of it for Experiments; and has publish'd a Treadescribed; but the Pancarpus a Combat, wherein robult People, tife express de Succe Pancrestico.

Britismy relates, that the Potential's Dad, in fewent Depth butting been for the property of the Potential DIGEST.

Diossr.

The Word is form'd from the Greek wwwfsQu, i.e. Compi-lation, or a Book containing all Things. Others, as Harveli, will have it form'd from wa'n li ; as if thefe Books contained the whole Dockrine of the Law.

the whole Dottrine of the Law.

The Passiel's conflit of fifty Books, and make the first Past
of the Body of the Civil Law. Sec Civit Law.

They were defigned by two we just the Conflit taking those
or for fifthe Callom arole of quoting them by ff.

Passial extends the Signification of Passiel's, to the Old and
New Teltament.

The Florentine Paniells are those printed from a famous

The Forestine Peasetts are those printed from a famous action Manoferina Forestee.

PANDECTA Medicine. There are also Peasetts of Medicine, a Kind of Dictionary of Things relating to Medicine, compiled by Mats. Sylvations of Mansus, who lived about the

Year 12.07.

Year 1597. The probability of paniells of Turkey; and Billoop Benericge Pandells of the Genom.
PANNICULATION, thus Redberged Screening, and PANNICULATION, the Redberged His of an interniting Force. See INTERNITY THE FEVER.

It is fuppored to orie from a convolve Distance of the MacIcle, whereby Nature condensures to throw of formething the difference for "profession for the difference or "profession". The profession of the Convolve Distance or formething the difference for "profession" profession of the Convolve Distance of the Convolve Dis

PANDORON, a mufical Inftrument, used among the Antients; resembling the Lute. See Lute.

It has the same Number of Strings; but they are of Brass,

and of Confequence give a more agreeable Sound.

Its Freesare of Copper, like those of the Ciftron; its Back flat, like that of the Guitarre; and the Rims of its Table, as

well as its Ribs, cut in Semi-circles.

\*\*Du Casze observes, that Varro, Hidore, and others of the An-

The Casego observes, that Fairth, Jisanee, and contents on the As-ients, mention it as having only three Strings. From the Greek-er's and Jeep, it, all Gift, or all Sorts of Gifts. If there derives the Name from its Inventor Pastdynu; others from Past, to whom they attribute its Invention, as well as that of the

PANEGYRIC, an Oration in Praise of some extraordinary Person, or Virtue. See On ATION.
The Panegyrie is rank'd among the demonstrative Kinds of Orations. See DEMONSTRATIVE.

Orations. See Demonsura ATUE.

It has its Name from an all, and dy the I affemble, because
it was anciently held in public, and soleton Affemblies of the
Greeks, either artheir Games, their Feasts, Fairs, or religious

Meetings Meetings.

To make them the more folemn, they used to hegin with
the Praise of the Deity, in whose Honour the Games, 85c,
were celebrated; then they descended to the Praise of the
People or Country where they were celebrated; then to the
Princes or Magilitates who presided at them; and at length,
to the Champions, especially the Conquerous who had gain of

F. de Colonia lays down two Methods, or Series's observ'd in

F. & Classic lays down two Methods, or Science before 'din Pengsyrish'.

Mengyrish'.

Mengyrish'

PANEGURIC, is also the Name of a Church-Book, in use among the Greeks; so call'd, as consisting of Panegyrics or Discourses in Praise of Josis Christ and the Saints. See

Throughes in Line 19-10 and the Greeke Street of the Stree frequently confift of 12 Volumes, answering to the 12 Months

PANEL or PANNEL, in Law, is deriv'd by Spelman, from Pagella a Schedule, or Page ; in which Sente we fay a Panel of Parchment, a Counter-Pane of an Indenture, &c.

But it is more commonly used for a Schedule or Roll, con-taining the Names of such Jurors, as the Sheriff returns to pain upon the Trial.

upon in: Trial.

Hence the Embourling of a Jury is the Entering of their

Hence the Embourling of a Jury is the Entering of their

Hence the Embourling of the Embourling of their

Parthuron. See Jury. In Provide Affice, See Searchie et Code or Littlemon with new Pants to be an Highly Word, figurifying a little Fart; as being a Diminusir of the Word, figurifying a little Fart; as being a Diminusir of the Guide March 1999. Parts, in Johnson with new Parts, in Jury 1999. Parts, in Johnson, 56: See Sayrus.

PANIS, in the antient Theology. See Sayrus.

PANIS, or 200min-189; a Term untel for a meeting, or III.

PANIC, or Prounded Fright.

grounded hright.

\*Polymut teches the Origin of the Phrafe from \*Pos\*, one of the Captains of \*Bachat, who, with a few Men, pot a numerous Enemy to roat, by a Notice which his Soldier-saided in a rocky Valley, havourd with a great Number of Eccho's. This Straugen making ther Number appear much greater than it really was, the Bremy quitted a very commodious Bricampment, and field.

ment, and fied.

Hence all ill-grounded Fears have been call'd Panicks or
Panic First; and twas this gave Occasion to the Fable of the
Nymph Eccho's being belov'd by that God.

Others derive the Origin of the Expression bence, that in

the Wars of the Titam against the Gods, Pan was the first who struck Terror into the Hearts of the Giants. Theon on Austra fays, he did it by means of a Sea-Shell which ferv'd him for fays, he did it by means of a Sca-Shell which tervid him for a Trampet, whereof he was the Inventor. PANICULA, PANICULE, in Botany, called allo Yuba a for woodly Beard, or String, whereon the Seeds of fome Plants hang, pendulous, as in Keeds, Miller, \$6. Such are hence called \*Desticated \*Plants\*. See PLANT. PANNAGE, PANAGE, or PAWNAGE, are ufed in Our Law-Books &6. for the Matt of Woods; as of Beech, Our Law-Books &6. for the Matt of Woods; as of Beech,

our Law-Books, Oct. for the Matt of Woods; as of Becch, Access, Sc. As allo for the running and feeding of Swine or other Cattel in Foretts, and the Montes taken by Agiftors for the fame. Passagium liberum, or free Passage, was a Liberty of free cuming of Swike in certain Foretts and Woods; which was a ranning of Swine in certain Forelts and Woods; which was a Phillipeg, ranned to certain private Perfons, and feveral reli-gions Houtes. Linewood defines Paemagium Paffur Procurant in Nomerbins, & in Silvis, up note de Glandburt & Sait fruit-lists orboraum friedfrium, quarran fruittu altere une fident collegi, It is also mentioned so Cert. Il. Quifque violents: habens decens Papron, dat summs Paranna de Principies, by which it ap-

that one Hog in 10 was given to Pannage, PANNEL, in Law. See PANEL.

PANNEL, or PANEL, in Joinery, Sc. a Tympanum or fquare Piece of thin Wood, fometimes carv'd, fram'd, or groov'd

a larger Piece between two Montants or upright Pieces, and Has anger Pieces or Crofs-Pieces.

Hence Ponel's or Panes of Glafs, are Compariments or Pieces

of Glafs of various Forms, Square, Hexagonal, &c.
PANNEL, in Mafonry, one of the Faces of a hewn Stone. See STONE.

see Syone.

Pannel of Schille, two Cushions full of Hair or Flocks, slaced on each Side the Saddle to prevent the Bow from hurting the Herse. See Saddle.

The Word is form'd from the French, Panneau of Pan,

fue file.

FANNICULUS, in Anssemy, a Term frequently ufed for a Membrane. See Status as a little fame with Membrane and the fame with Membrane and the file of the Membrane and the file of the fame with Membrane and the file of the fil

and to be the fourth integument or Covering thereos, arrer the Epidermis, Curis, and the Adisplass. See Sains.

This fledhy Pasmitcle, according to them, is a thick Mem-brane, which covers the whole Body; and even becomes muf-culous in fome Parts: But the latest Anatomitis deny any fuch culous in 16me Farits. But the latest Anasomitis deny any finch Membrane in the human Body; maintaining, that what the Antients call'd the fieldly Pannitrie, is only the far or adjord one. Dr. Drake makes it a double Membrane, one Half of which forms the Membrane adoptio, the other Half the Mem-phrane communic of the Mulche. The Uff the Antients Refulto the flefly Pannicle was to wrinkle and contract the Skin s but the Truth is, where-ever the Skin wrinkles, there are par-ticular Mufeles for the Purpofe, call'd Cutanesus Mufeles. See

These Muscles the Antients own'd; but faid their Office was confined to particular Motions; adding, that there are Places where no Fat is found between the Catis and the fleshy Pass-

icle; which is falfe. Further, even in Animals which do move the Skin 3 this Pancle is no more than a cutaneous Mufcle, as well as the Darses, Some of the modern Anatomitts, however, admit the flefhy
Passicle, and deny the adjoce one 3 (uppoing the latter, in
reality, only a Part of the former. See FAT and FLESH.
PANNIER, in Architecture. See Corest.

PANNUS, in Medicine, 45c. a. Diffed of the Eys, popularly callful the Blay and another, Zudol. the Adams of Comparing the Blay and the Adams of Comparings is the Indicated and Adams of Comparings is the Indicated and Adams of the Indicated and Adams of the Indicated and Adams of the Indicated and Indicated and Indicated and Indicated Adams of the Indicated Adams of

nous Exercíceoce only covers Part of the Eye, after the man nous Axit; whereas in the Passwar it covers the whole. PANTALOON or PANTALON, the Name of an an

"FANTALOON or PANTALON, the Name of an anterior Gameria, fenguest among our Force charter, confilling of the control of the co

See STATUE.

polied of the Eigenra of Symbolio I terend distream Divisition.

Pather Fosters, who call them Perentheurs, and who has oldered date one leveral Medials, lips their Hands are moliticated dates one leveral Medials, lips their Hands are moliticated dates on the second terms of the second

It is thus assumed from the Grefe with all, and 3-th God.
The Dumlarus of uniteral Rows, it, of all obless, the most
The Dumlarus of uniteral Rows, it, of all obless, the most
balls by deright, Son-in-law or diagnatus, in this that Condition, 32 Name before Carell. It was addicated by him to gagiater Uniter, Jepher the Revenger; and had the Name Diagraph of the Carella and the Condition of the Condition of the
manged in Niches all remedia of all because built remed, to repertient Heaven, the Retificace of all the Gods. It had but one
Door, and one Wishoos y receiving all is Light from the Condition
The Condition of the

of its Dome. of 118 James.

The Pope, obtaining it of the Emperor Phocas, converted it into a Church, without any Alteration in the Building, and dedicated it to the Virgin and all the Martys. And it fill fubfills at Rome under the Title of Notre Dame della Rotanda.

See ROTONDA.
The Panthesn of Nilmet, was a Temple in that City, where in were 12 Niches or Statues, supposed to have been destin'd

for the 12 great Gods. In the Electrical is a magnificent Chapel, call'd Pantieson, 55 Feet in Diameter, and 38 high, from the Pavemeet which is of Mathle and Jafper inlay'd. The whole Infide of the Chapel is of black Matble, excepting the Lathern and forme

Ornaments of Jasper and red Marble. In this Chapel are deposited the Bodies of the Kings an

In this Unique are deposited the Bodies of the Kings and Queens: there are only Places made for 26 5 eight of which are already fill'd. See Escuria. PAPAL Crown is a deep Cap, or Mitre of Cloth of Gold, encompatied with three Coroners or Circles of Gold, adorn'd

encompatied with three Coronets or Circles of Gold, adenrid with Flowers, and the Whole enrich! with precious Stones, having a Globe at top, finished with a Cross. See Crown, PAPILLA, in Anatomy, Nipple or Yest, a Prominence arising from the Middle of the Breast, or Mamma. See

snifing it room toe assesses.

The Cobuse of the Popille is various in different Stree, and Suege of Life, it is reddilp, blaith, blackfib. They are and Suege of Life, it is reddilp, blaith, blackfib. They are comparied with a pale howards (Texte, call'd the Arriele.

The lacked Tubes, coming from the feveral Parts of the Prognose Hamiltonian which commandes with each other by Prognose Hamiltonian which commandes with each other by Prognose Hamiltonian which commandes with cathonicate with each commander, throw which, in facking, the Milk draws. See Marie 2018.

PARILLE Pyramidales, are little Emminences arising from FAPILLE ZYMMONOS.

the fibetunctors Nerves.

Under the Cutit lies a thick Congeries of Nerves, wove into a Kind of Membrane; together with Arteries, Veins, and

Lymphaticks: Thefe Nerves standing our above the Level form little Popille, which laying aside the outer Coar given them by the Dura Master, form the Corpus research; first observed by Masteria in Pect, Hands, and Togone; and funce shewn by Resylvi, the Pect, Hands, and Togone; and funce shewn by Resylvi, throughout the whole Body. See Re-

There Psylle are fill med numerous and conflictions in the Place of score Seeds, as the Temper, Glass of the Peter, Engine, Jahin, Ophybary, Verreich, and Intellines, and Thord the Fingers and Tees, where the Carinchyare covered with a sceneroly blub. See Covys. In the cheek Paris of the Boby the Catri is thicker, and the Psyllie much lever, finalizin, 45: See Extract and Bows. Psyllie much lever, finalizin, 45: See Extract and Bows.

PARILLE of the Tongue, are little Eminences of the Tongue; called from their Refemblance to the Parille of the Breath. See Tongue.

From the papillary Tanie of the Tongue arife numerous pervous Papille, which, penetrating the vifcous Substance over them, terminate under the Surface of the Tongue. See Pa-

"Tis by means of these Papille that the Tongue is supposed have its Faculty of Tasing. See Tasring. Papillem, or Corumcule Papillares of the Kidnies, are

PASILEA, or Commissio Papillares of the Kidnie, as Randes of little uturay Plays, join dospehra in hie inner Subtance of the Kidnies. See Kinnax.

The Commission of the Palent Belley, or input plays andwering in Sumbers to the Palent Belley, or input plays and the Commission of the

Areties, and Irengib to man, on Critic reparates from the evil; See Unarre.

The Clusters of the Control of the

Obscury Nerves, from the react of cases Congar, to the O's Conformation, See Neaves.

Dr. Drake thinks this Name becomes them better in this Place than that of Nerves: in regard they eather appear Productions of the Medulla Observation when the Offschorn Nerves affe, than diffind Nerves; againft which their many conformation and their Congariant was the Vivine Conformation and Conformation

nifest Cavities, and their Communication with the Ventricles PAPILIONACEOUS, in Botany, the Flowers of former Plants are thus called, by Botanifts, as repreferring formething of the Figure of a *Passilio* or Butterfly, with its Wings display d.

They have four fuch Leaves, joined together at the Extre-mities; one in the Middle of the Flower's larger than the reft, and by fome called Vexillian.

The Plants, that have this Flower, are of the leguminous Kind.

The PRINTS, DAS MAY THE PRINTS, DAY THE REGISTRATION OF THE PRINTS, DAY THE PRINTS, DAY THE STATE OF THE STAT

This diffinguishes a Class or Kind of Plants, which are hence denominated Paspaga, or Paspis Flore.
PAR, in Commerce a Kind of Equality among Monies; or how much a Person must give of one Kind of Species, to

render it just equivalent to a certain Quantity of another.

The Par differs from the Causse of Exchange in this, that

The Part differs from the Cample of Exchange in this, that the Part of Exchange (frew what other Nations Road allow in Exchange which is certain and fird 1 that the Courfe flews contingent, from them to the American and contingent, from them more, foresten that is mercrian and The Part of Exchange of the French Orons of a solid or 4.6 d. Serb. with Program Monies, both real and Imaginary, and the Court of the Court of Exchange of the French Orons of a solid or the Third of Exchange of the French Orons of two Serb of the Third of Exchange (in the Third of Exchange Court of the Third of Exchange (in the Third of Exchange Court Monies among third fields, appears, or 2007) of the Oron Monies among third fields, appears, or

to the Resistance of Petrity of those other Monites among turner-there, appear.

Orange of the State Legislates to 48 Processors of the State Legislates, to 100 Denotes Grade of Hollands, and to 100, of thick of tologon. To 48 State Lasts of Germany and Hamburg. To 88 Cereus of Amburg and so of Francist, 85 of Bhotom, and 84 of Secretorials. To 8 Spillers and an half of Rows, and as many of Amona 4 to three Yellows of Berness, 53 Shirt of Legislars, 85 of German, 54 of Milling, 60 German, 54 Shirt of Legislars, 85 of German, 54 of Milling, 60

of Ment 3 to 5 Livre or Livre of Genes, 4 Livre and 10 Still of Ment 3 to 5 Livre or Livre or Livre of Genes, 4 Livre and 10 Still to 5 Genes of Ment 5 Ment 5 Ment 6 Ment

der Neave

under Narva.

Pan, a Term of Nobility. See Peen.

PARABER, a Fabb, or Aligorical intraction founded on PARABER, a Fabb, or Aligorical intraction founded on the Paraber of the Paraber of

P. de Colonia calls the Parable, a Rational Fable. See FABLE.

"Fac Guissealls the Parolis, a Rasined Fable, See Paxis.
The Weed is term off from the Grow see gold-sow to compare.
Where Arylate defines it a Smilliand earms from Farm to
From. Grow-calls at Goldings, where Axis. In Label V.,
s. for a Proven've Adopt. In Matth. XV. 15, for a Thing
seely and generately seepfelf. In 1861 X. 9, 485, for a
Tyle. In Label XIV. 7, 45, for a fixed interestine, Matth.
to XVI 18, for a Proven've Adopt. In Matth. XV. 15, for a Thing
seely and generately seepfelf. In 1861 XI. 9, 485, for a
Tyle. In Label XIV. 7, 45, for a fixed interestine, Matth.
to XVI 1871 XVI 1972 to provide the Tyle of the Company
for the Company of the Company of the Company
for the Company of the Company of the Company
for the Company of the Company of the Company
for the Company of the Company of the Company
for the Company of the Company of the Company
for the Company of the Company of the Company
for the Company of the Company of the Company
for the Company of the Company of the Company
for the Company of the Company of the Company
for the Company of the Company of the Company
for the Company of the Company of the Company
for the Company of the Company of the Company
for the Company of the Company of the Company
for the Company of the Company of the Company
for the Company of the Company of the Company
for the Company of the Company of the Company
for the Company of the Company of the Company of the Company
for the Company of the Company of the Company of the Company
for the Company of the Company of the Company of the Company
for the Company of the Company of the Company of the Company
for the Company
fo

related as real, and compared with fome Spiritual Thing, or accommodated to fignify it.

Some make Parable differ from Fable : Grotius and others

ill have them the fame. Kircher derives the Ufe of Parables om the Egyptians.

PARABOLA, in Geometry, a Figure arifing from the Se-tion of a Cone, when cut by a Piane parallel to one of its Sides.

come for a cone, when can by a pame parameter one or its store. See Sec.1108

From the fame Point of a Curve, therefore, only one Parabelate can be drawn: All the other Sections within those Parallels being Billipses; and all without, Hyperbolata. Sec.Com.

Welfor define the Parabelate be a Curve wherein the Square of the Semi-ordinate is equal to the Rechangle of the Ability. and a given right Line call'd the Parameter of the Axis or La-

Hence, a Parabola is a Curve of the first Order; and as the Abscisses increase, the Semi-ordinates increase likewise; the Abfeiffes increate, the Semi-ordinates increate likewite; confequently the Curve never returns into irieli. Hence also the Abfeiffe is a third Proportional to the Parameter and Semi-ordinate; and the Parameter a third Proportional to the Abfeiffe and Semi-ordinate; and the Parameter a third Proportional to the Abfeiffe and Semi-ordinate; and the Semi-ordinate a mean

Abdélit and Semi-colimers, and the Semi-dedinate a mean Proportional between the Parameter and Abdélif.

25 officile a Paradolat. The Farameter A B 176. Conick.

25 officile a Caradolat.

The Lammeter A B 176. Conick.

25 officile a Caradolat.

26 officile a Caradolat.

27 officile a Caradolat.

28 officile a Caradolat.

29 offi

yadowis 3 and F or us axis.

Every Point of the Parabols may also be determined geometrically. E.gr. Il it isinquired whether the Point M be in the

Parabols or not F from M to BN let full a Perpendicular M,

And let P N be equal to the Parameter A B; upon BN deferbes Genelicist. For if then past ther bM, the Point M is

when the presentation is not pass to mo as, the four M at in a Parallel such that Robert of the Rens of the Ferrer is to the Parameter in a Relayable Ratio: And the Square that the Robert of the Relayable Ratio: And the Square that the Robert of the Rens of the Review to the Review to the Robert of another Rules E.G. information of the Robert of another Rules E.G. information of the Robert of the Robert

Properties of the PARABOLA.

Properties of the Parkaugh.

The Squares of the Semi-ordinates are to each other as the Abfellies; and the Semi-ordinates, themfelves, in a fubrriplicate Ratio of the Ablellies.

The Reckangle of the Sum of the two Semi-ordinates into their Difference, is equal to the Reckangle of the Parameter into the Difference of the Ablellies. The Parameter therefore

is to the Sum of the two Semi-ordinates, as their Difference to the Difference of the Absciffes.
In a Parabola the Rectangle of the Semi-ordinate into the Absciffe, is to the Square of the Absciffe, as the Parameter to

the Semi-ordinate.

In a Particulate the Square of the Parameter is to the Square of one Semi-ordinate, as the Square of the other Semi-ordinate, of the Square of the other Semi-ordinate of the Semi-ordinate of the Square of Squar

NYY. Contre of Okillaises of the Parabola. See Olemaayion. Paaasoo a's of the bight Kinti an Algebraic Curea, beind by g=1 and g=1. Each g=1 are g=1 as g=1, g=1 and g=1 as g=1 as g=1 and g=1 as g=1 and g=1 and g=1 are g=1 as g=1 and g=1 and g=1 are g=1 as g=1 and g=1 and g=1 are g=1 as g=1 and g=1 are g=1 are g=1 and g=1 are g=1 and g=1 are g=1 are g=1 and g=1 are g=1 are g=1 and g=1 are g=1 and g=1 are g=1 and g=1 are g=1 and g=1 are g=1 are g=1 and g=1 are g=1 and g=1 are g=1 and g=1 are g=1 are g=1 are g=1 and g=1 are g=1 are g=1 are g=1 and g=1 are g=1 and g=1 are g=1 are g=1 are g=1 and g=1 are g=1

Those Carries are incomine unear to be reterred to "personness" wherein  $a s = -1 = g^{n}$ ,  $a s \vdash g s, a s \vdash$ a1 x4 = 97

Since in Parabela's of the higher Kinds,  $y^n = a^{n-r}x$ ; If any other Semi-ordinate becalled v, the Ableifle corresponding to a, will be on = s m = 1 z confequently 5m; tm; ; sm = 1 s : sm = 1 z. That is x : z. "The a common Property, therefore, Ratio of the Abfeitles.

But in Semi-parabola's gm: cm:: a cm-r:: cm-r: cm-r:

Or the Powers of the Semi-ordinates are as the Powers of the Abfelfes, one Degree lower. E. gr. in Cubical Semi-perchales, of the Abfelfes, one Degree lower. E. gr. in Cubical Semi-perchales, the Cubical Semi-perchales, the Cubical Semi-perchales, the Cubical Semi-perchales, the Cubical Semi-perchales, and the Abfelfes x' and x'.

Afellonies Parabora, is the Common, or Quadratic Pere-bola or Parabora of the fift Kind; fo called by way of Diffin-ction from Paraboks's of the higher Kinds; Which fee. Quadratic Parabora, is the fame with the Apollonies:

PARABOLAN, PARABOLANUS, among the Antients, was a Sort of Gladiator; called also Confector. See Con-FECTOR.

The Name was given them from the Greek wardies of

The Name was given them from the Greek englanded by Joses the throw, precipitate, in engaged they show at themselves and the property of the p The Design of their Inflitution was, that the difeafed, e-fpecially those infected with the Plague, might not be without

PARABOLIC Space, the Space of Area contained between ny entire Ordinate as V V Tab. Conicks Fig. 8, and the Curve e incumbent Parabola.

of the incumbent Parsesses.

The Parsibility State is to the Rechangle of the Semi-ordinate into the Ableille, as a to 3: to a Triangle inferibed on the Ordinate as a Bafe, the Parsibility Space is as a, to 3: Every Parsibility and Parsibilities Space is to the Rechangle of the Semi-ordinate into the Ableille as  $r \times g: (m+r)$ 

angle of the Semi-ordinate into the Abfellic are g:(m+r) or g, that is, at t:m+r. Her Space included the Semi-ordinate of g Parachite Semi-ordinate into Semi-ordinate Operation of g Parachite Semi-ordinate Semi-ordinate Operation of Semi-ordinate Semi-ordin

ttes ar Kight Angles, in which Calls the Aggregate of the Planes will be artimetically proportional.

The Soldity hered is had by multiplying the Baffs, by half A thinsky, it he Rasion whered is bordons for the compo-ning from a solid proportional beginning from the solid proportion of the solid proportional beginning the solid poly depth and the Number of Terms, that is, in the Edgent Cafe, equal so the Bafe multiply'd by half the Height.

all the DB's Tab. Comes Fg. 10. Into the DS's 1 or which a-mounts to the fame, on the Bale APB erect a Prilim, whole mounts to the fame, on the Bate APB erect a Prifm, whole Altitude fhall be AS or PS; this will be a Parabaleat Cu-Altitude finall be A of FS; this will be a Particular transmissing which of necessity will be equal to the Paradoless Pyramidud; inaffunch as the component Rectangles, in one, are feverally equal to all the component Squares in the other. PARABOLIC Commit, a folid Figure generated by the Rotation of a Semi-parabole about its Axis, and is == 0 its circular transmission.

cumscribing Cylinder.

in an arithmetical Proportion, decreasing towards the Ver-Height, as 1 to 2; and to a Concof the same Bafe and Height.

PARABOLÓDIES, la Gomenty, Parabelles et de highet Kinds, see Para acus et the highet Kinds, see Para acus et the highet Kindanarvas. Relitiosiste de Para basonis. See Receptera violente de Centre of General et America et Para basonis. See Receptera violente Para basonis. See Receptera violente Parabolotis, see Chapter Rent. Bushnette Para basonis et de legister Kinds.

The Comparison of Comp DROPSY.

The Antients cut the Aperture with a Lancet; but the Mo-derns punch it with a Kind of Stillet or Bodkin; clapping a Counsis or Tap into the Hole when made, to carry off the Wa-

The Operation is usually perform'd two or three Fingers Breadth on one Side the Navel, fometimes a little lower, but always to as to avoid the Lines Albs.

The Water is utually drawn off at feveral Times, as the Pa-tient's Strength will allow; and a new Puncture is made, every Time the Belly is thus to be emptied.

The Paracentelis does not of: en facceed, the often repeated ;

because the Root of the Disease, now with thanding the carrying off the Water by this Means, is till left behind.

The Word is form'd from the Greek \*\*e.ga with, and xarais\* Some Authors give the Name Paracontests to all Operations

either with the Lancet, the Needle, or Panch 1 not excepting

either with the Lancet, the Needle, or Punch 3 not excepting the Operation of Occoling for Garantiles founded on the Eymology of the Word 1 other relirain it to Apertures made in the Head, Breadt, Belly and Streum 3 and others to the fingle Operation of Tetyling in 2016/files of Departure of Tetyling in 2016/files of Park ACENTRICK Missen of International International Tetyling Placet approaches poster to get the Control of the Operation of Tetyling Placet approaches poster to get a control of the Operation of Tetyling Placet approaches poster to get a control of the Operation of Tetyling Placet approaches poster to get a control of the Operation of Tetyling Placet approaches poster to get a control of the Operation of Tetyling Placet and Tetyling Operation of Tetyling Placet and Tetyling Operation of Tetyling Placet and Tetyling Operation of Tet

Sec ATTRACTION.
Thus if a Planet in A Tab. Aftronomy Fig. 25. move to B, then is SBT — SA = bB, the Paracentric Motion of that Pla-

PARACENTRIC Sellicitation of Gravity or Levity amounts to the fame with the VisCourrepeas, and, in Altronomy, is ex-pectfed by the Line AL Fig. 26. drawn from the Point A pa-rallel to the Ray SB (infinitely near SA) till it interfect the

PARACLET, a Name the Church has given to the Holy PARACYNANCHE, in Medicine. See Parasynan

CHE.

PARADE, the Show, or Exposal of any Thing to view, in all its Advantages and Ornament Bed of Parasé, is that wherein a Person lies in State.

PARADE, in War, is the Appearance of the Officers and Soldiery at a Post attigod them, to part themselves under Arms,

in the best Order they can; either to mount, or break up the Guard; or to form a Battalion, or on some other Occasion.

PARADE, in Fencing the Action of Parrying, or Turning off any Posh, or Stroke. There are as many Kinds of Parades as of Strokes and At-

cks. Parade inward, outward, above, below, feign'd, &c. PARADIGMA or PARADIGM, an Example, or Inflance

PARADIGMA of FARKLINDA, in Example, or Immore of formthing fill, or done. See Example.

The Word is form'd of the Grook waspelujous Exemplas, of was and alsymous offends, at Japans offends.

PARADISE, a Garden of Delighers, a Term primarily ufed for the Place wherein Adams was feated, during his Innocence; and from which he was expell'd for diflotelying God; call'd in Adams of the Company of t aus trum which he was expell'd for difobeying God; call'd in a firster manner, the Terrificial Grandiffe.

The Word storm'd of the Greek was given Orchard, a Place stored with Apples, and all Kinds of Fruit. Mofes calls it the Graden of English.

The Critics are in diffuse about the precise Place of Para-dift. Some will have it in Judes, in the Place where now is

PAR STATES AND STATES

was, asit were, one continued Scene of Pleafures, till alter'd up-

on Adam's Transpression.

But the most common and withal, most probable Opinion is Bet the med common, and withil, and probable Opinion is have the places, the glover, yet, we have the places the Confluence of the Explorate, and Yoger, and their Separation. We have the places of the Exploration of the Separation of the mean star their Separations; and Golven another Branch artifug from the other, or the Silve of America et al. West in Accordingly in the Confluence of the Separation of the Separation of the incorrections, and the Separation of the Separation of the second of the Separation of the Separation of the Separation of control, and the the Confluence in Performance of the Separation of Control, and the the Confluence of the Separation of the Separation of the Control, and the Separation of the Se Moles's Defer

PARADISUS, among antient Church-Writers, was a fquare Court, before Cathedrals, furrounded with Pisaza's, or Por-tico's for walking under, supported by Pillars. Matthew Paris calls it Parvi

PARADOX, in Philosophy, a Proposition seemingly ab-furd, because contrary to the received Opinions; but yet The Copernican System is a Paradox to the People; the

Learned are all agreed of its Truth, Learned are all agreed or its Treth.
There are even Parasleser in Geometry, a Number whereof are collected by the Jefuit Mario Betime; among others is
this, that the Contain disgrates than the Containing.
The Word is form'd from the Greek was, courre, againft, and

% Opinion.
PARADOXI, or PARADOXOLOGI, among the Ap-

tients, were a Kind of Mimes or Buffoons, who diverted the People with their Drolling. See PAN TOMIMS.

They were affo call d'Orfissarii for this Reafen apparently, that, as they fpoke without Study or Preparation, they were always ready.
They had another Denomination, wis, Nimiteologi q. d. Tel-lers of Children's Tales: And, befide, were call'd dervalogi, of syst, Virnea as talking much of their own rare Talents and Qualification. always ready

PARÆNESIS, vagairene, a Greek Term, fignifying Adonition, Instruction, Precept, or Exhoration The Word is form'd of wash and stone, Laude,

PARAGE, in Law, and Cafforns, an Equality of Name, Blood, or Dignity, but more efpecially of Land, in the Partition of an Inheritance between Co-heirs. See PRERAGE.

tion of an Infertince between Co.heir. See PREASE.
PARASE, PROFILING, was particularly sided in anient Cafronts, for in Equality of Condition smoot Nobles, or Perforted the Carlot of Co. Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance of Co.
Performance

the fecond Degree

This Parage being an Equality of Duty or Service among Brothers and Sifters, some have call'd it Fratrage and Paren-tage. The Customary of Normandy defines the Tentere by Parage to be, when, a nuble Fief being divided among Daughters, the Eldeft does Homage to the chief Lord for all the reft, and the Later does not not go the Clede I out for all the Fett, and the younget hold their Paris of the Eldeth Dy Parison, i.e. with-out any Homage or Fealty. Parison each set in the De-gree includively. It likewish eaches, who any of the Sharers fell their Part. See Homans, a Figure, whereby a Word is

PARAGOGE, in Gramma, a Figure, whereby a Word is lengthen'd out, by adding a Syllable at the End thereor; as in sixter for size. See Figure. Or PARAGOGIC, in Grammar, fomething added to a Word without adding any thing to the Sense thereof, In the Hebrow, the In is frequently Paragogic's 28 TADEN for TUBN I

will praife.

The Use of Paragogie Letters is only to give a more full and agreeable Sound to Words, either for the Sake of the Verse, or e Period. The Word is form'd of the Greek washy al add; compounded

The wordshorm do the Greek waggyprizes, compared by PARAGORICKS, Medicines preferribed with an Intended not addings Pain. See Pains.
They are thus call d, from the Greek wagsywide I mitigate, bate; but are more ordinarily denorminated Opinios. See abate;

PARAGRAPH, a Term originally in Jurif-prudence, fig-nifying a Section, or Division of the Text of a Law; other-wife call'd an Arnole.

Thus, such a Law is said to be divided into so many Para-

See CHARACTER.

The Greek Poets also need Paragraphs to mark the Couplets,
Strophes, and other Divisions of Odes, and other poetical
Works. WOFE.

PARAGUAT, or PARAGOUE, in Nat. Hiftory, a ce-lebrated Plant, of the Shrub Kind, growing in fome Provinces of South Bustrees, effectively are Toraguay, where its Names the' better known, of late, among us, under the Denomination of South, Say 1997.

of South-Sea Tea

of Sauth-Mar Vie.

This Plant, which does not rife above a Foot and half high, has very liender Eranches, and Leaves like thost of Senas a it may be looked on as a Kind O Covidental Tea, which, like the Oriental, is taken infufed in hat Water, to which it commanicates a Colons and Smell nearly like thost of the belt Tea. feen in Europe.

There are two Kinds of Persones, the one call'd fimply Persones, the other Contint, by the Spansons, Trans-Camin ; which last is most effected, and fold for a Third more than the other.

than he wher.

The first the Agendaria call Teros-Computes, i. e. Herb with little Scickup-coards in it of bookers Branches, and it schreft wided by Domenticas and saves. The interes is the Drinke of the original to the control of Driek.

Paraguay makes one of the most considerable Arti-The Panguage makes are of the most confidentible Articles of the South Admerites Commerce. Ar Perin, Childy, and Basses, After, there are above two Millions Worth and Admerites Commerce. Are Perin, Childy, and Basses, After, there are above two Millions Worth and Admerite Articles, and the perins. The Use of Paragonal began lastly no obtain in Englands, where many People form 4to like its awdi as Tean Ferningens. Ley, that their Approxime flowed as much from them fusced in which I talk is no regard they come found; from the Commerce of the Paragonal Perins and Perin finerica, and Bitenes Aires, fince the Treaty of Utrecht

The Preparation of the Plant, and the making it into a Drink is much the fame with that of Tea, except that they infine both Leaves and Wood, that they drink it immediately infule both Leaves and Wood, that they didn't immediately out of the Velfel tis made in y without letting it have Time to infule, by reafts of the black Tinchare it gives y and that, to prevent Leaves and all from coming, they fuck it thus a filter of the property of th

France Befide all the Virtues which the Eaftern People afcribe to Bedies all the Virtues which the Enflern People afferthe to their Text, as not people of Dillesteet for Head, Breaf, Sto-thir Text, as not people of Dillesteet for Head, Perul, Sto-ther the Company of the People of the People of their articles to theirs this turbor of partifying all Kinds of Water, box found the People of their people of the Virtues of their theory of their text of the People of the People of their text of their text of their text of their and Gibly, they are no afraid to drink it, after deeping from of the Phot a little with their text. It is all the diverging against the

and patrid Fevers. PARALEFSIS, in Rhetoric, a Feint, or Pretence of omit-ting or paffing over a Thiog, and yet expressing it. See F1-

when the imagination is warred, and Reafons and Argu-ment preflect themselves in abundance, the Crater wand wil-lingly lay 'em all down, in Form; but, for Pear of wearying his Andience, only produces founce for one spaffers, and without dwelling on them: and this is call'd a Paradept's; for Inflance, I Just 1981 at 1881 the States of the Control of the State Pearled's, Sec. I cover in the State the more Labories I have received, Sec. When the Imagination is warm'd, and Reafors and Argu

Jewest sugge on his safe Outrogs.

PARALIPOMENA, a Supplement of Things omitted, or forgot in force preceding Work, or Treatife.

In the Canon of Scripture, there are two Books of Parsifipartner, called allo Edwindes's, being Supplement to the four Books of Kings, the two first whereof are also called Books of

Quintus Calaber has a Work entituled, the Paralipamena

The Word is form'd from the Greek magazaiwa, pratermine I pafs by Some Authors wie the Word Subrelifferans inflead of Porc.

PARALLAX, in Aftrocomy, an Arch of the Heavens in-ercepted between the true Place of a Star, and its apparent

See Place. Place. See Places.
The true Place of a Star is that Point of the Heavens, B,
Tab. Affrencing Fig. 27, wherein it would be feen by an Eighaced in the Centure of the Earth, as at T. The apparent
Place is that Point of the Heavens C, wherein the Star appears
on a Fige on the Staffeet of the Lerth, as at E.
Thomas and the Staffeet of the Lerth, as at E.
Thomas at Effect, we view the Celebral Bookers on from
the Counte but Minus From the Centure, as the first the a Wilsel.

the Centre but from the Starfice of our Earth, which is a Semi-diameter dilater from the Centre y see for it by a villand Ray, which patting three the Centre of the Star, and proceeding these to the Newton Sphere, make our three the Mental Sphere, make our three t cepted between the two Points of true and apparent Place C and B.

PARALLAX is also used for the Angle made in the Centre

of the Star, by two right Lines, drawn, the one from the Con-tre, the other from the Surface of the Earth. tre, the other from the Surface of the Earth.
The Angle is also call'd Parallattic Angle.
LACTIC Angle. See PARAL-

Hence the Parallax diminishes the Altitude of a Star, or increases its Distance from the Zenith, and has, therefore, a con-

The Paralless of the Altitude, C B is, firstly, the Difference between the true Diffance from the Zenith CA, and the apparent Diffance B A. See PARALLACTIC Augle.

The Parallax is greatest in the Horizon; in the Zenith, or Meridian, a Star has no Parallan at all, the true and apparent Places, then co-inciding.

The Horizontal Parallax is the fame, whether the St

in the true or apparent Horizon.

The fix'd Stars have no feasible Parallan, by reason of their immense Distance to which the Semi-diameter of the

their immense Distance to white the Semi-distributer of the Earth is but a mere Point. See Syan.

Hence also the nearer a Star is to the Earth, the greater is its Parsillar, at an equal Elevation above the Horison; Satorov is so high, that we have much ado to observe any Parsillar at

The Parallese increases the right and oblique Ascention tion Taraness increases the right and opsque Alcention, diminishes the Descention, diminishes the Northern Declina-tion, and Latitude in the Eastern Part, increases it in the Western; increases the Southern in the Eastern and Western

Party diminifus the Longitude in the Welten Part, increases it in the Eastern. The Paraellass, therefore, has just opposite Effects to the Refraction. See Repraction.

Paraellass of Declination, is an Arch of a Circle of Declination S.I. Fig. 28, whereby the Paralless of the Altitude increases or diminishes the Declination of a Star. See DEGLINA-

PARALLAN of Aftention and Deforation, is an Arch of the Equa-tor D. J. Fog. 29, whereby the Parallan of the Altitude increase

the Afcention, and diminishes the Defcention. See Ascension and DESCENSION. PARALLEN of Longitude, is an Arch of the Ecliptic Tt, Fig. 18, whereby the Parallan of the Altitude increases or diminishes

whereby the \*\*parallax\* of the Altitude increases or diminishes the Longitude. See Longitude, is an Arch of a Circle of Latitude SI, whereby the \*\*Parallax\* of Altitude increases or diminishes the Latitude. See LATITUDE.

aitude. See Latitude. PARALLACTIC Angle, called also simply Parallan, is

PARALLACTIC Angle, called allo fimply Paralles, is the Angle made in the Centre of the Star by two right Lines, drawn, the one from the Centre of the Earth TB, Tab. Aftermay, Fig. 2-7, the other from its Surface EB.

Or, which amounts to the fame, the Parallettic Angle is the Difference of the Angles CE A, and B T A, nother which the real and apparent Dilinacenfrom the Zonith are feen. See

The Sines of the Parallattic Angles ALT and AST, Tab Afron, Fig. 50. at the fame or equal Diffances from the Zenth SZ 3 are in a reciprocal Ratio of the Diffances of the Star from the Centre of Earth TL and TS. Hence the Parallax of the remoter 5 rats, is left han the Parallax of the nearer L, at the fame Diffance from the Zenth as before because L. A. The Diffance from the Zenth as before because L. A. The Diffance from the Zenth as before because L. A. The Diffance from the Zenth as before because L. A. The Diffance from the Zenth as before because L. A. The Diffance from the Zenth as before because L. A. The Diffance from the Zenth as before because L. A. The Diffance from the Zenth and Dif ry'd.

The Sines of the Parsilallic Angles M and S, of Stars ually diffant from the Centre of the Earth T, are as the ually diffact from the Centre of the Earth T, are as the nes of the Diffances feen from the Vertex Z M and Z S. ourse or the Luttances teen from the Vertex, Z.M. and Z.S. Hence, as the Diffunces from the Vertex decrease, i.s. as the Altitudes decrease, the Parallasvalercates; and hence, also, the Parallasvaletts the Altitude of the Star, from the Horizon to the Zeutih.

The Doctrine of Parallaxes is of the utmost Imp in Aftronomy; both for the determining of the Diffances of the Planets, Comets, and other Phanemens of the Heavens; for the Calculation of Eclipses; and for determining the Longitude. See Planet, Distance, Longitude, and Relies.

Methods of finding the Parallanes of the Celefial Phen
mens are various: Some of the principal and eafler follow.

To observe the Parallax of a Celefical Phonomenon. Observe when the Pharmananan is in the same Vertical with

Oblerve when the Phenomenous is in the fame Vertical with a first which is nearly, and measure is apparent Pilitance from this Star. Observe, again, when the Phenomenous and pixel Star are in equal Altitudes from the Horizon; and again measure their Diffiance: the Distrement of those Diffiances will be, very nearly, the Phenolise of the Star.

The Parallax of a Phonomenon may be likewise found by observing its Azimuth and Altitude; and by marking the

Time, between the Observation and its Arrival at the Mentilson, All, required in online the Parallels of the Money, is the Standard or right A Standard is a condition of the Many and the All Conference is a condition of the Many and the Many and the Mentilson, to which the Eye refers it, deviates from the true Meridian, to which the Eye refers it, deviates from the true Meridian. This is what M. Capilli found and practified, with regard to Mars; and which M. Marsafet has time practified, with regard to the Money. The whole Mylitzey here conflict in with regard to the Moon. The whole Mylitery here consists an having the Moon's tree Motion, which refers to the Camer of the Earth 3 and its apparent Motion, which refers to the Comer of Olderwine. The Difference of thete, which is geractli in the Hoison, or Horary Circle & o' o' Lock, gives the Horizon at Parallets, for that Latitude whence the general Parallets or that moder the Equator is easily found: The Parallet compared to that of the Equators are the Semi-diameter of this Parallel is to that of the Equator. See the Pra Method exemplify's in finding the Parallax of Mars. See the Practice of this

The popular Method for that of the Moon, Wolfars gives us as follows: To observe the Moon's Parallax.

Observe the Moon's Meridian Altitude, with the greatest Accuracy (See ALTITON) and mark the Moment of Ime: This Time being equared (See Equations) compute her true Longitude and Latitude 3 and from these find her Declination, (See DECLINATION) and from the Poelination and the Elevation of the Equator find her true Meridian Altitude. If the objerv'd Altitude be not meridian, reduce it to the trae Altitude for the Time of Objervation. Take the Refraction from the objerv'd Altitude, and fubract the Remainder from the true Altitude: the Remainder is the Moon's Parallax.

By this means Tycho in 1583. Off. 12. Her. 51. 1911, from the Moon's Meridian Altitude observ'd, 13°. 38" her Parallax

54 Minutes. See Moon.
To oblerue the Moon's Parallax in an Edit ft.

In an Eclipfe of the Moon, observe when both Horns are in the same Vertical Circle; in that Moment take the Altitudes of both Horns; the Difference of the two being halved and added to the least, or fubtracted from the greatest, gives nearly the visible Altitude of the Moon's Centre. But the true Airitude is nearly equal to the Altitude of the Centre of the Shadow at that Time. Now we know the Altitude of the Centre of the Shadow; because we know the Sun's Place in the Centre of the Snactow 3 becaute we know the Sun's Place in the Eclipte, and its Deprefition under the Horizon, which is ead to the Altitude of the opposite Point of the Eclipte in which to the Centre of the Shadow is. Thus have we both the true and apparent Altitude 3 the Difference whereof is the Parallex. From the Moon's Parallax AST Fig. 30. and Assistade SR, to find her Diftane from the Earth.

By her apparent Altitude given, we have her apparent Diby her apparent Antitude green, we have her apparent II-flame from the Zenthi, i.e. its Page 2d A S 5 or 69 her true Altitude the Angle A T S. Wherefore, fine, arthe famel lime, the Earth is reported. By plain Tilgonomery we final have the Mom's Ditiance in Semi-diameters of the Earth 5 thus; as the Since of the Angle S is to the opposite Side given, for is the Sine the other Angle T, to the Side required T S. Hence, according to Yardev Distriction, the Moon's Di-

flance at that Time from the Earth was 6: Semi-diameters of the Earth. Hence alio, fince, from the Moun's Theory, we have the Ratio of her Diffunces from the Earth in the feveral Degrees of her Anomaly; those Diffunces being found by the Rule of Three in Semi-diameters of the Earth, the Parallax is thence determined to the feveral Degrees of the true Ano-

De le Hire makes the greatest Horizontal Parallax 10. 1'. 25" the (mailed 54' 5". The Moon's Diffance, therefore, when in her Perigee is 55% that is, almost 56 Semi-diameters 3 in her Apogee 63% 35, that is, 63% Semi-diameters.

#### To observe the Parallax of Mars.

1. Suppose Mars in the Meridian and Equator, in H. Tab. Afremmy Fig. 31. and that the Observer under the Equator in A;

observes him culminating with some fix'd Star. 2. If now the Observer were in the Centre of the Earth, he wou'd see Mars constantly in the same Point of the Heaven with the Stars and continuity in the time rount of the Heaven with the cent joint therefore, together with it in the Plane of the Hotizon, or of the fixth Horary. But fixce Mars, here, has frome fertilities Perdi-lars, and the fixd Star none, Mars will be feen in the Hoti-zon, when in Pithe Plane of the fertilities Horizon i and the Sar, the last Plane of the resemble Horizon is and the Sar,

ow, when in Pales Plane of the facility, 100, from an anexastro-when in the Pane of the tree Hefmon of others during the Al-Time between the Timifine of Airr and of the Bart trief the of the Equation of the Bart Time in Minimar to which the Angle P AM, and confequently the Angle AMD is surely only, which is the Hefmonia Pareline of Airr, and the Angle P AM, and confequently the Angle AMD is surely only, which is the Hefmonia Pareline of Airr, and the Angle P AM, and confequently the Angle AMD is surely only, which is the Hefmonia Pareline of Airr, and bely Q, that Difference will be the Equation of the Pole AD and D I 3 and lines ADD is equal to the Ditrace of the Hefmonia P Ample Angle P Ample P Am ferv'd in the Horizon; let 'em be observ'd in the Circle of the

terv in the Totation; let can be otherv if in the Carelon' the third Hours 1 And time the Paradless three othervit, T.O, is to the Horizontal one, P.M., as 15 x to 1D, 8 ay, as the Sine of the Angle 1D S, or 45" (lince the Plane DO is in the Middle between the Meridian D H and the true Horizon D M) to the whole Sine, for its the Paradless T O to the Horizontal Parad-

If Mars be likewise out of the Plane of the Equator; the If Mart is likewise our of the Plane of the Equators the Postulate isonal with be an Arth of a Patralles which multi-theractive, be reduced, as above, toon Arch of the Equator. Lally, if Alley the net intiments, he their dured, or results to the entire of the entire of the entire of the control of the too is every Hore, that his used Days find our what his Mo-testingul of any agine Time. By this Method, Coffini, to whem we one this noble Invar-tion, offer's the present Horizontal Parellite of Mart to be a 3 Seconds, or a little left. By the finan Method Mr. Flim-fler's found time arthy Seconds.

By the fame Method the fame Author Caffini obferr'd the

arallax of Venus, It must be here noted, that the Observation is to be made ith a Telescope, in whose Freez are strain'd A B with a Telefcope, in whole reems are itrained four Threads cutting each other a right Angles A, B, C, D. The Telefcope to be turn'd about, till fome Stat near Mari be feen to pals over fome of the Threads; A B and CD being pa-

rallel to the Equator; and therefore, A C and B D reprefenting Circles of Declination. Thus, by means of the perpendicular Threads, the Situations of the Star, and of Mers in the Meridian, will be determined.

### To find the Sun's Parallax.

The great Diffunce of the Sun renders its Parallax too finall to fall under even the nicest immediate Observation: Indeed; to fill under even the alter! immediate Objerration: Indeed, many Attenties have been made bette by the Anients and Moderns, and many Metrickel revenued for that Purpole. The first, the control of the tion, is eafily deduced.

tion, is easily acquired.

For from the Theory of the Motions of the Earth and Planets, we know at any Time the Proportion of the Dillances of the Sun and Planess from us; and the Horizontal Parallases are in a recipeocal Proportion to those Dillances. Knowing, berefore, the Parallase of a Planet, that of the Sun may be and from it

Thus, Mars, when opposite to the Sun, is twice as near as the Sun is, his Parallew; therefore, will be twice as great as that of the Sun: and Venus, when in her inferior Conjunction with the Sun; is fometimes nearer usthan he is; her Parallax, thereore, is greater in the fame Proportion.

Thus, from the Parallaxes of Mars and Venus; the fame

affini found the Sun's Parallan to be ten Seconds, which im-

Caffini found the Sun's Parviless to be ten Seconds, when im-pliesh is Diffance to be 2a goods Semi-diameters. In an Observation of the Transit of Venus over the Sun, which will be seen in May, 1767. Dr. Halley has shown a Me-thod of finding the Sun's Parvilless and Distance to a great Nicety, with to a five hundredth Part of the Whole. See Sun. The Parallax of the Start, with regard to the Earth's annual Orbit.

Opput.

The Stars have no Parallas, with regard to the Earth's Semi-diameter; yet, with regard to the Earth's annual Orbit, it's justly expected that fome Parallas be found. See Oasur.

The

The Axis of the Earth in its annual Morion describe Kind of Cylinder, which being prolong'd to the Heaven of the fix'd Stars, there forms a circular Circumference; each Point whereof is the Pole of the World for its respective Day: fo that

whored is the Pool of the World for interplexite: Day 1: fo hast the Statistion of the apparent bloy, with regard on any of the Rollands on the regard on any of the Rollands of the Statistion of the Statistion of the Statistion of the Statistion of the Statistic of the Statistic order of the Statistic order on the State, only of the Statistic order order

persistons freing, that free Diractic Ore ask dout, flear the Polic, was found, or 45 Second hearer it and the Winter Solitice than at the Summer one, for fevor Crear funcefulley).

M. Coffini the Younger allows the Observations of Figuralization to agree with those made at the Royal Observatory; but he cleans the Configurations to Figuralization in the Discussion of the Computer figure of the Pole Star are out fuch as they shou'd be, suppo-fing the Motion of the Earth; and accounts for them from a Supposition that the Stars, like the Sun, turn or revolve on their Ceistres, and that fome of 'em have their Hemispheres uncqually luminous: Whence, when the more finning Hemisphere qually luminous: Whence, when the more imming Hemisphere is tura'd towards us, the Starsappears bigger, confequently more remote than when the darker is towards us. See STAR.

PARALLAX is alfoufed in levelling, for the Angle contain'd.

between the Line of true Level, and that of apparent Level.

DARALLEL, in Geometry from the Greek megidatas, equi-dilitate; is a Term applied to Lines, Figures and Bodies, which, being proloogd, are fill at equal Difface from one another. PARALLEL Right Limes, are those which, the infinitely produced, would never meet.

Thus, the Line OP, Tab. Geometry, Fig. 36. is parallel to Q R. See Line.

Parallel Line is used in Opposition to Lines converging and

THE REPORT AND THE STREET IN UPPORTUNE TO LINES CONVERGING, AND GROWN ASSESS. SO SO CHECKES AND AND CHECKES AND CHECKES AND AND CHECKES AND CH

tase. Geometricians demonstrate, that two Lines, Parallel to the fime third Line, are also Parallel to one another; and that if two Parallels OP and OR, 74th Geometry Pr. 56, be cut by a transverse Line ST. in A and B, I The alternate Angles x and y are equal. 1. The external Angle as sequal to the internal opposite one y ; and thirdly, That the two internal opposite ones a and y are also equal to two right ones.

It is shown on the Prioriples of Opticks, that if the Eye be placed between two Parellel Lines, they will appear to con-verge towards a Point opposite to the Eve. And if they run to such a Length, as that the Distance between them be but as a Point thereto, they will there appear to co-incide

Parallel Lines are described by letting fall equal Per-pendiculars, and drawing Lines through their Extremes, by Biding the Compasses open to the desir'd Width along a Line, &c. or by a r, or by a Panallel Ruker,call'd also Parallelissa, an Instrument co

filing of two wooden, buth, or five! Rulers AB, and CD; Fg. 3r. equally broad every-where, and to join'd together by the Crofe-blades EF and GH, as to open to different Intervals, accede and recede, yet fill! retain their Parallelifin. The Use of this Inflrament is obvious; for one of the Rulers The Use of this indiffuence is covious, for one of the Rulers being applied to PS, and the other drawn to a given Point V; a right Line AB, drawn by its Edge, thro'V, is a farallet to RS. PARALTHE Reys, in Opticks, are those which keep at an equal Dillance to each other, from the vifible Object to the Eye, which is supposed to be infinitely remote from the Object.

Eye, which PARALLEL Planes are those Planes, which have all the Perendiculars drawn betwixt them equal to each other. See

PLANE.

PRAILIE Griebt, in Geography call'd allo PaPRAILIE Griebt, in Geography call'd allo Parolleto of Latinude, and Girebs of Latinude, are leffer Girels of
the Sphere, occesived to be drawn from Wet in East thro' all the
the Feins of Meridian geommending from the Equator, to which
they are partials, and ending with the Poles. See Cracts.

They are call'd Partials of Latinude, See, because all Places
lying ander the fame Partials, have the fame Latinude. See

LANTIDDS.

PARALLES of Latinude, in Aftronomy, are leffer Circles of the
Sphere parallel to the Ecliptic, imagined to pais thro every
Degree and Minante of the Column. See LANTIPUS,

They are represented on the Globe by the Divisions of the

Quadrant of Altitude, in its Motion round the Globe, when ferew'd over the Poles of the Ecliptic. See GLOBE.

ARALLELS of Altitude or Almoconters, are Circles parallel to the Horizon, imagined to pais thro' every Degree and Mi-nute of the Meridian between the Horizon, and Zenith; having their Poles in the Zenith. See ATTITUS.

On the Globes they are represented by the Divisions on the Quadrant of Altitude, in its Motion about the Body of the Globe, when frew'd to the Zenith. See Globe.

Children for Airman, in its schools glober the Energy of the Parkastast of Hermitian for Information and Parkastast of Hermitian for Airman for Information for Airman for Information for Airman for Information for Informat

Of this there are but three Cafes. r. Given, the Departure, and Diffance; required the Latinde. The Cason is, As Diffe-rence of Longitude is to Radius: So is Diffance, to Co-fine

reine of Longitudes of Control of the Latitude.

2. Given Diff. of Loogitude between two Places under the
fame Parallel, required their Diffance. The Cason is, As
Rad, to Diff. of Longitude:: So is Co-fine of Latitude to Di-

Given the Diffance between two Places in the fame Latitude; required their Difference of Longitude. The Canon is, As the Co-fine of Lat. to Diffance: : So is Rad. to Diff. of

Longitude.

PARALLELOPIPED, io Geometry, one of the regular Bodies, or Solids, comprehended ander fix Rectangular and Parallel Surfaces, the opposite ones whereof are equal: As in the Figure 18th. Geometry 18th. 38. See R. to ULAR.

Two Cabes, laid together, Side by Side, confirme a Parallelopite's. And the fame may be faid of a figure Beam, whose wo Extremes are fquare, and Sides long Squares.

Properties of the PARALLELIPIPED.

Priparties of the Panallellipen. All Translaborphoty, Prinking, and Cylinders, whose Bases and Heights are count, are, themselves, equal. A diagonal Plane divides the Parallelipiped into two equal Prilims: A Triangular Prilim, therefore, is half a Parallelopiped upon the tame Base and of the Same Alitade. PRITON

All Parallelopipeds, Prifms, Cylinders, &c. are in a Ratio compounded of their Bafes and Altitudes: Wherefore, if their Bafes be equal, they are in Proportion to their Altitudes; and All Parallelopipeds, Cylinders, Cones, &c. are in a tripli-cate Ratio of their homologous Sides; and also of their Alti-

Equal *Parallelopipeds*, Prifins, Cones, Cylinders, &c. re-iprocate their Bafes and Altitudes.

To measure the Surface and Solidity of a Parallelopiped.

Find the Areas of the Parallelograms I L M K, L M O N,
See Paralleloparam A and there is not one Sam, and multiply that Sum by 1: The fallow will be the Surface of the
Parallelopiped. If then the Baff I L M K be multiplied by
the Airtude L N, the Product will be the Solidity.
Supplet u. S. L M = 16 M K = 15 M O = 11. Then,

PARALLELISM, the Quality of a Perallel; or that which denominates it fuch: Or it is that whereby two Things, v.g. Liors, or Rays become equi-diffant from one another. See PARALLEL.
Thus, we fav remote Objects are fearce perceptible, by reafon

27648 Solidity.

of the Parallelifa of the Rays.

Parallelin of the Earth's Axis, in Altronomy, or, Assisted of Parallelifa; is that Situation or Motion of the Earth's

Axis, in its Progress thro' its Orbit, whereby it fill] looks to the same Points of the Heavens, was towardsthe Pole Star 3 for that if a Line be drawn parallel to in-Axis, while it any one Postitons the Axis, in all other Postitons or Parts of the Orbit, will always be parallel to the fame Line. See Axis.

This Paralleliss is the necessary Results of the Earth's double

Motion; the one round the Sun, the other round its own Axis. Nor is there any Necessity to imagine a third Motion, as fome

Not is there any -section to imagine a third horizon, as some have done, to account for this Parallelifin. See EARTH. "Tis to this Parallelifin that we owe the Vicilifinade of Sea-fons, and the Inequality of Day and Night. See Season. See alfo Day, &c.

PRABLESIS of Rows of Trees. The Eye placed at the End of an Alley of two Rows of Trees, planted in parallel Lines, never free em parallel, but always inclining to each other, to-wards the further Extreme.

wards the further Extreme.

Hance the Markenstrians have taken Occasion to coquire in what Liste, the Trees must be disploted, to correct this El-Gel of the Perfective, and make the Nove fill supera possible to the Control of the Perfective, and make the Nove fill supera possible to what Law must they diverse, but diverging a best according to what Law must they diverse, proposition or our or possible to the November of Trees must be and interest to planche, that the two Revord Trees must be and interest to planche, that the reservoir of Trees must be sent in the November of Trees must be sent in which when the November of Trees must be sent in which the November of Trees must be sent in the November of Trees must be sent in the November of Trees must be sent in

and intricate Synthesis, that the two Rows of Trees mind to two opposite Cami-Hyperbols's.

M. Farguse has fince, in the Memoirs of the Fronch Ac-demy, James 1721, found the fame Solution by an enty and simple Analysis. But he renders the Froblem much mere gene-cal, and requires or only that the visical Juggles be qual, but to have them intreast or of eterate in any given Ratio 3 provi-ded the greated to not exceed a right Angles. The Eye, he

ded the greated do not exceeded a right of the the higher content of the place of the place of the the place of the place

Again, the finight Row being laid down as before; if it be Again, the trangent cow occupiand down as nestore; it is to required to have the Trees appear under decreasing Angles; M. Foriginos flows, that if the Decrease be in a certain Ratio, which heddermines; it could reline mail be a parallel flraight Line. But he goes yet farther; and furposing the first Row any Curve whatever, he feeks to another that shall make the Rows have any Effect desired, i.e. be from maker any Angles.

Rows have any Entext element, i.e. be from moter any Angle-count, increding, or detectioning, consecutive the con-cept of the control of the control of the control of the pune, whose oppoints Sulta are parallel, and confiquently equal to each other. See QuantalArgana. A Perellelization is generated by the equable Motion of a right Line always parallel to intiff. See Frount. When the Parallelization has all in four Angles right, and will be reported to the control of the property of the con-puting the property of the property of the con-puting the property of the property of the property of the property is expense for each of the control of the property of th

only 18 opposite ottors expany, and the Sides equal, it is See R.ECT.ANOLE.

When the Angles are all right, and the Sides be equal, it is called a Somere. See SQUARE. If all the Sides be equal, and the Angles unequal, it is call'd a Rhombus or Lexenge. See

R. HOMBUS.

If both the Sides, and Angles be unequal, it is call'd a Rhomboides. See R. HOMBOIDES. Properties of the PARALLELOGIAM

In every Parallel gram, what Kind foever it be of, E. gr.

In team Partiality ones, what Kind Dewri is be of. E.gr. that A BCD V McGomery Eg. ya. A Dugoami D A divide in interest or qual Parts with A lange along and you proposed BC, and A B. Sca. are, sugherly, equal to re or right Agiler, an extensive two sides, sugesties, posters than the Diagonal.

The proposed of the Company of the Compan fame Altitude. See TRIANGLE.

Parallelograms, therefore, are in a given Ratio, compounded of their Bales and Altirudes. If then the Altirudes be equal,

they are as the Bafes, and converily.

In fimilar Parallelograms and Triangles, the Altitudes are proportional to the homologous Sides; and the Bafes are cut

proportionably thereby. Hence, limitar Paraucus; and american and Triangles are in a displicate Ratio of their homologous Sides, as allo of their Altinudes, and the Segments of their Bales: They are, therefore, as the Squares of the Sides, Altitudes, and hemologous Segments of the Bales.

Leaving Benefit of the Bales. oportionably thereby. Hence, fimilar Parallelograms and

homologous origination to the mails.

In every Parallelogram, the Sum of the Squares of the few Diegonals, is equal to the Sum of the Square of the four Sides.

This Proposition, M. de Lagury, takes to be one of the most interest and the square of the state of the This Propertion, M. & Leggy, takes to be one of the most important in all Geometry; he even ranks it with the octhwated 47th of Euché, and with that of the Similirede of Triengles; and adds, that the whole first Book of Euclid is only a parti-cular Cate hercor. For, if the Parallekgram be not rechn-gular, it follows that the two Disgonals are equal; and, of

galar, it follows that the two Diagonals are cquait; and, of configuence, the Square of Diagonal, or which comes of configuence, the Square of Diagonal, or which comes in a right Augit, it equal to the Squares of the ray Squares of a right Augit, it equal to the Squares of the ray Squares of the Diagonals been equal; which is the most general Cafe; the two Diagonals beene equal; which is the most general Cafe; the many states of the configuence, the value of the configuence, the way the special configuence of the configuence of the con-lored of the configuence of the configuence of the two diagonals of the configuence of the configuence of the few diagonals of the configuence of the configuence of the few diagonals of the configuence of the configuence of the few diagonals of the configuence of the configuence of the few diagonals of the configuence of the configuence of the few diagonals of the configuence of the configuence of the few diagonals of the configuence of the configuence of the con-traction of the configuence of the configuence of the con-traction of the configuence of the configuence of the con-traction of the configuence of the configuence of the con-traction of the configuence of the configuence of the con-traction of the configuence of the configuence of the con-traction of the contraction of the contraction of the con-traction of the contraction of the con-traction of the contraction of the contraction of the con-traction of the contr

Legry gives a more concil cost, in the Minners, see Note, which only requires 7. See Diagonal.

Yo find the Ares of a reliangled Familieogram, A BCD.

Find the Length of the Stock A B, and A C; multiply A B mor A C; the Froduce will be the Area of the Paralleggram.

Suppode Z. gr. A B to be \$245, A C 123. The Area will

bc42435.

be 44457.

Hence I. Rectangles are in a Ratio compounded of their Sides A B and A C, s. If, therefore, there be there Lines continually propartional; a the Square of the middle one is equal to the Rectangle of the two Extremes: and if there be four proportional Lanca; the Rectangle under the two Extremes is equal to that under the two middle Terms. See Rect. ANGLE

Other Parallelegrasss, not rectangular, have their Areas found by refolving them, by Diagona's, into two Triangles; and adding the Areas of the feparate Triangles into one Sum. See

RIANGLE, Centre of Gravity of a Parallehgram. See CENTRE OF GRAVITY. See also CENTROBARY Merked.

PARALLELOGRAM, OF PARALLELISM, OF PARALLELOGRAMIC Protractor, is a Machine used for the ready and exact Reduction or Copying of Defigns, Schemes, Prints, &c. in any Proportion; which is done hereby without any any Knowledge or

it of Deligning Habit of Deligning.
The Porsilielgram is also called Pentregraph. See its Defeription and Use under the Article PENTAGRAFII.
PARALOGISM, in Logic, a fail Readoing 3 or a Fault committed in a Demonstration, when a Consequence is drawn for Desirable than the Logical Conference of the Pentral Research of the Pentral Res from Principles that are faile, or not proved; or when a Pro-petition is pass'd over, which should have been proved by the

Way.

A Panchagijin differs from a Sophifin, in this, that the Sophifin is made out of Defign and Subtlety, and the Panchaggin out of Milkes, and for Want of a finite in Light and
Application. See Sourisse.

Let the Milletines the Panchaged don't Gene to make any
Date the Milletines the Panchaged don't Gene to make any
and the Control of the Panchaged on the Control

General See Control of the Panchaged on See Onedefinition of the Control of the Panchaged See Control

General See Control of the Panchaged See Control

General See Control of the Panchaged See Control

General See Contro

DRATURE PARALYSIS, in Medicine, a Difease popularly call'd See PALSY.

anys. See Falses.
The Paralysis only differs from the Parasis as the greater on the left. See Paress.
Authors diffinguish the Parasis into a Parasis a, or Pa-

Authors ditinguin the Perseptis into a Perseptes, or Per-replaced, Humiptogia, and, particular Perseptis.

The fift is a Paify of the whole Body. See Paraflegia.
The fitted, of one Side of the Eddy. See Hemplegia.
The third of fome particular Member, which is the proper

The Word Paralysis is form'd from the Greek TRONAUN, I unbind; This Difease being supposed to ambend the Nerves, and Muscles. Hence

ad Muffles. Hence
PAR ALVTIC, a Person affected with the Paralysis or
adiy. See Paley, gif.
PAR AMETER, in Geometry, a constant right Line, in
veral of the Conic Sections; call'd affo Latts rectum. See LATUS RECTUM.

LAYS RECYSIS.

In a Parable V B V Tab Cenics Fig. 9, the Rechangle of the Parameter A B, and any Abdiffe, Egy. B<sub>3</sub>, and Semi-fill all the Sides, and August of a Conditional Figure bequal, it is called a Square; which them make a Species of Parablelgram, coincident as See Septials, the Parameter is a third Proportional to to the conjugate and transfers facilities. See Extrasp. See Herras Royal Conditions of the Parameter Asia See Extrasp. See Herras Royal Conditions of the See Extrasp.

There may be a Tenant to a Lord, that holdeth himself of another Lord; the former Lord is called Lord Mejne; and the other, Lord Parameunt. But even the Term Lord Parameunt. other, Lord \*Paramount. But even the Term Lord \*Paramount, is only comparative for asone Man may begreat, compared to a left, and little, being compared with a greater; So none fimply feems to be Lord \*Paramount\* but the King, who is Paramo \*Paramount\* to all the Benefices in \*Lorghand\*. See King.

PATRON, Sc.
PARAMESE, in the antient Music, the ninth Chord or Sound in the Diagramma or Scale of Music. See Dia-GRAMMA

The Word is Greek, and fignifies juxta mediam, next to the Middle; its Situation in the first State of the Scales, being next the Mese or middle Chord. See Chorn.

pext the Mete or middle Chord. See Chorn.
PAR ANYMPH, PAR ANYMPHUS, among the Antients, the Perfon who waited on the Bride, and directed the
Nuprial Solemnities; called alfo Außex, because the Cere-Nuptial Solemnities; called also Außers, because the Ceremony began with taking Außers, lawever, the Parenyungh only officiated on the Part of the Bridegeoun; to the Part of the Bridegeoun; to Woman efficiency, called the Promite.

The Feer had likevide a Kind of Parenyunghs, which the Talents' and the Rubbing call.

The freet had likewife a Kind of Parasymphs, which he fidured and the Rubbint call — 2012W Schullekender, Companion of the Sponfe. The I'vin Conneil of Gerther appoint, that when the married Coulombine of the Parasymphic Country of the Country of

FENCE.

Perapers are raifed on all Works, both within and without

Lorspers are ratted on all works, both within and without the Place; and even on the Approaches. See Work.

The Parage Roys, or that of the Rampart, is to be of Earth, Cannon-proof, from 18 to ao Foot thick. See Ram-Rary. Before the Parage is Rassquette, or little Emirance, a Foot and half high, for the Soldiers to fland on. See Ban-

QUEXTE.
The Parapet of the Wall is of Stone. The Parapet of the Treaches is either made of the Earth dug up, Gabious, Fafcines, Sacks of Earth, or the like.
The Parapet of the Cortidor is the Glassi or Ephanade. See

Bereaman.

Paraper, is sife a little Wall, beenfi-high, rais'd on the Brinds of Bridges, Keys, or high Buildings; to fere as a Savy and preceding of the Brinds of the Bri The Spaniards called them Barbacanes; the Italians, Para-petti, because of their defending the Breast, Petto; whence our Parafes.

PAR APH, a particular Character, Knot, or Flourish, which People habituate themselves to make always in the same Man-

People habituate themicities to make aways in the tame Man-ner at the End of their Name, to prevent their Signature from being connerfeited. See GY PHER. The Parsph of the Kings of France is a Grate, which the Secretairs aways place before their own, in all Letters, 15th. Monage derives the Word from Paragraphus.

Menage derives the Word from Paragraphus.

PARAPHERNALIA, or PARAPHERNA, in the Civil Law, thois Goods which a Wife brought her Hudsund, befides her Dower, and which were fill to remain at her Difpoil, exclinive of her Husband; undles three were fome particular Provision made to the contrary, in the Marriage Con-See Dower. rraft.

In his Rebus quas extra Dotem Muher habet & quas Graci wagazina vicant, nullam, Uxore probibente, Vir habeat commu-

regesture creater, melann (Overe problemet, Fir habitet comments. Cod. de paletit.

The grand Cultomary of Normands, gives a different Senfe to the Word. It calls "Parethermetals in the Morealbles, Linnen, and other Fermile Neceffaries, which are adjudged to the Wife, in parallels of the Greditors, which are adjudged to the Wife, in parallels of the Creditors, when flor renounces the Succession of the Hubband.

The Word is form'd from the Greek week beyond, or over, and

"The Wood is from's from the Grown's rego beyonday cover, and "The Wood is from's from the Grown's rego beyonday cover, and "The Anna Marketts," in Medicine, and withshown behind the Grown's region of the Grown's region

inspired, when he penn'd 'em.

Critics and Divines. There are three Chaldre Paraphrajes on the Pentatench. That of Onkeles, which fome take to be the China and narrowship of Orbida, which fines the two levels the Paradinnists, and which destruits to have been the Paradinnists, and which destruits to have been the Orbida which the Talmediffit, in the Treatife Gitter, makes.

The focade is a Paraphresis of Jonathous schedule in the Varguas of Paradinness is the State of Theorem of Paradinness in Company of Paradinness in Company of Paradinness in Company of Paradinnists and Confederation of the Confederation of the Confederation of the Confederation of the Highest phis Talmett and Confederation of the Confederation of

named the Squitter; others to Rabbi Akilas. Others fa there is so much Difference in the Style, that no one Perse can have been the Author.

PARAPHRENESIS, or PARAPHRENETIS, or PARAPHRENITIS, in Medicine, a Kind of Phrenzy, the Cause whereof was attributed, by the Antients, to an Inflammation of the Ventricle, the Liver, and especially the Dia-See PHRENEY.

phragm. See PHERNEY.

They also called it a Pffunds Phremstit, falls Phremzy, to distinguish it from the true one, which they made to consist in an Inflammation of the Brain and its Meninget.

The Moderns don't make any fuch Diffindtion in Phremzies:
They all come from the fame Cause's pto that Cause is neither an Inflammation of the Brain, nor of the Diaphragm. See

an fathemanian of the Brain, nor of the Draphengen. See
Maria, Mieza-Kornoltz, 45.

"Brain Francis, among the my Physicians, is an lettimParty Francis, among the my Pherra, about the Disphargen,
amended with a continual Feera, and exquitite Phain the
Brass stirled, on contracting the abdominal verificia, as also
the Brass stirled, on contracting the abdominal verificia, as also
PARAPLEGIA, or PARAPLEGIA, or PARAPLEGIA, or PARIAPLEGIA, or PARAPLEGIA, or PARAPLEGIA,

See PLEV and APOPLEXY.
The Purshjegie is a general Paify, effecting the whole Body, the Head alone excepted. Beethwave defines it an immobility of all the Mufcles below the Head, that have Nerves from the Gerelyum and Certhellum.

Sometimes, Senfation as well as Motion are deflroyed hereby; fometimes only one of them.

Its Original is usually supposed to be some Diforder, or Ob struction in the sourth Ventricle of the Brain, or in the Begin ning of the fpinal Marrow.

Penuller dittinguishes the Paraphysis from the Paralysis.

Emuser dutinguilles the Perspecte from the Perselficials. The Perselfic, according to him, is a Relaxation and Recolation of the Ligaments and Members ministring to Motion; so from any Obstruction of the Nerves, but from a Recolation of the nervous Parts: Whereas the Perselficial artise from Chiffridion of the Nerves.

The latter aftually fucceeds an Apoplexy, Epilepfy, Con-tifions, Vertigo's; the former, the Storbusts, Hypochondisvulfions, Vertigo's; the

The Word comes from the Greek ward much, and waterless to ffrike

HIRE.

PARAPLEXIA, in Medicine. Sec PARAPLEXIA.

PARASANG, an anticot Perfusor Measure, different at
fierent Times, and in different Places; sometimes it is 20,
metimes 40, and sometimes to Staste or Futlongs. See fometimes 40, and fometimes 50 Stadio or Furlongs. See Manager and Syndrom. The Word, according to Littleson, has its Rife from Paragle Ingarus, q. d. the Space a Poil-man rides from one Sta-

rafik desemin, s. d. the Space a Voll-man rides from one Sa-tion, degarts, to another.

PAR ASCENTUM, or Polyminum, among the Remant,
was lease beload the Trausar, whither the Albors witheress
to the control of the Control of the Control of the Control
of the Control of the Control of the Control
of the Control of the Control of the Int Week of Lant,
popularly, Good-Tried Day of the Int Week of Lant,
popularly, Good-Tried Day of the Int Week of Lant,
popularly, Good-Tried Day of the Int Week of the
Patitions: I. on the Eve of 20 of Preferentian of the
Patitions: I. on the Eve of 20 of Preferentian of the
Patitions: I. on the Eve of 20 of Preferentian of the
Patitions: I. on the Eve of 20 of Preferentian of the
Patitions: I. on the Eve of 20 of Preferentian of the
Patitions: I. on the Eve of 20 of Preferentian of the
Patitions of the Control of Patition 20 of Pati the original Greek fignifies Preparation, and was applied among the Joses to Friday, because on that Day they used to prepare what was necessary for the Celebration of the Sabbath.

OC PASSOVER. Hence what our Translation of the new Testament renders

Preparation of the Sabbath, M. Simon, and some others call

Paraferee. See PREFARATION.

PAR ASELENE, in Physiology, Mack-Moon, a Meteor, or Phenomenon, encompassing the Moon, in form of a luminous Ring; wherein is sometimes observed one, sometimes two ap-

parent Images of the Mooon.
The Paralelenst are form'd after the fame Manner as the Paralelens, or Mock-Sans. See Paralellon.
The Word is form'd from the Greek wags near, and swarn

Moon.

PAR ASITE, PAR ASITUS, among the Greeks, was originally a very reputable Title; the Partifiets being a King of Prietin, or at least Ministers of the Gods; in the same maner, as at Rowe were the Equations. See Expression.

They took care of the faces Gras; or the Corn defitted the Service of the Temples and the Gods, viv. Serifices,

Feafls, &fc. They had even the Intendance over Sacrifices, and reasts, e.e. a ney nau even the Intendance over Sacrifices, and rook case they were duly performed. At Athens there was a Kind of College of twelve Parafites, each People of Atrice familing one; who was always choten out of the best Pamilies.

out of the best Families. Polybins adds, that 'Porofite was also an honourable Name among the anticus Gault; and was given to their Poets. PAR ASTIES, or PARASITAICAL Plants in Botany, a Kind of diminutive Plants, growing on Trees, and se called from their Manner of living and teeding, which is altogether on

their namer of hing and recording, which is allogether to others. See Plant.

Such is Mofs, which was antiently supposed the Effect of a Derangement of the Texture of the Bark; or a Kind of Rust; or, at most, little Filaments arising from the Bark: But from many Observations of the Moderns, it appears, that Moffes are many Observations of the Moderns, it appears, that Modifa are real Plants, which Social is executingly made, and included in very very by the Wind, and, at length, detailed in the Broquailitie of the Earls of Treest where it takes for our dais for at the Orthor, Modifa M, Tailant recloum so belinkan 13 ppecies, and in the Nighlbourhood of Parity which, with the Lechen and Million's, make the General College of the Parity Plants. See The mod perincious on their Parity, so the Tree that fupport was, are the Lichensy which appears on the Barks of Wigner, See Distance of Plants.

White. See DISEASE of Plants.

White. See LISEASE of Pleass.

M. & Refform gives us a Remedy for this Diffcafe, in the French Memoirs of the Acid. Rey. It conflids in making an Incifion thro's the Bark to the very Wood, from the first Branches to the Earth, the Bark close again in a little Time; and always pecterves itself clean and free from Mottles for the fu-

The Aperture renders the Courfe of the Sap more free, and prevents the Forming of those Inequalities so haveurable to the Production of Mosses. The Incison, he adds, is to be made from March to the End of April; and on that Side turn'd most

from the Sun PAR ASOL, a little Moveable, in manner of a Canopy, bore in the Hand to fereen the Head from the Sun, Rain, Sa

bore in the Hand to fereen the Head troop the Sun, Rain, §6.
more usually called University.
This made of Leather, Tuffery, Oil-Cloch, £6. mounted on a Stek, and opend or flux at Pleasure, by Means of Pieces of Whale-bone that fultain it.
The Esß Indians never this out without a Paraglel.
The Word is Prench: that used against Rains infometimes

called Parati PAR ASTATA, in the antient Architecture, an Import, or Kind of Ants or Pilatter, built for the Support of an Arch.

Sec Anta.

Mr. Evelyn makes the Paraflata expressy the fame with
Pilather. See Pilasten. Davider, the same with Impost. See

Iserosr. PAR ASTATÆ, or Epididymide, in Anatomy, are two tu-berous, varieofe Bodies, lying upon, and adhering to, the up-per Part of the Tefficles; whereof they properly appear to be a Pert; the different from the reft, in Form and Confifence.

ce TESTICEE.

See LEVILLE.
The Purplace coeffil, like the Telikele, of Convolution of feminal Tabula, mix'd with Blood Veiles, the Difference levil and the Telikele, mix'd with Blood Veiles, the Difference levil are united into once; the writing Convolutions of which, being more firmly bound cogether by a frong Membrane, aring from the Telianis Allegiane, it levels more compact than the Telificials. See Seat. PARRANATIC, 5%
The Purplace and Telificials and to be encloted in three

The Wangstate and Tellicies are filled to be enclosed in three proof Membranes, the first Majukan, derived from the Cramater Mufile; the fecond, called the Kanjunki; the third, the Allowjenes, See each under its proper Article.

PAR ASYNANCHE, in Medicine, a Kind of Angina or Squinancy, wherein the caterior Mufiles of the Throat are inflamed. See Segue askers.

isflamed. See Squinanci.

The Word comes from vegl. ov effect to fufficate.

PAR ATHESIS, in the Greek Church, the Prayer which

Pifficon rebearles over the Catechumens, firetching his the Bilhop reheatics over the Carechumens, firetching his Hands over 'em to give' em Benedition; which they receive, bowing the Head under his Hands.

PARATHESIS, in Grammar, a Figure whereby two or more Subflantives are put in the fame Cale. See Figure.

PARATHESIS, IN GERIMMER, A FIGURE WHEREBY WOO OF MORE SUbflanties are put in the fame Cale. See Flourer.

PARATILMUS, in the autient Greek Jurifpractice, a Name given to the Punishment imposed on Adulterers who were poor and unable to fland the common Penalty. It confided either immaking 'em run a' Horfe-Radiff, up the Automakish bow called air seasiblests; of in price on the best discussible the valled air seasiblests; of in price on the best discussible the valled air seasiblests; of in price on the best discussible the valled air seasiblests; of in price on the best discussible the price on the best discussed in the price of the p

It confilled either inhaking (em una 3 Horie-Radilli upthe Muntsyhich they celled ame spassifuris of in tearing up the by Rous, the Hair about the Fundament, gic. which they called amestic and the state of the Pundament, gic. which they called the ARATITLES, FARATITLA, in Jurifpundence, thou Norse, or Summaries of the Thies of the Diget, and Code; which have been made by feveral Lawyers, in order to compare, and coamine the Councibion of the feveral Parts with one another.

We have Parasities of Cajas, of Marcu, &c. Chaffannas as a focad Comment on the Parasities of Cajas. as a focad Comment on the Parasities of Cajas. The PARAVAIL, in Law, the lowest Tenans; or he that is mimediate Tenant to the Land. See Tenans; the is called Tenans Parasities because in its prefumed he ath Profit and Availy the Land.

PARAZONIUM, or Scipie, among Medallitis, a Scepter, rounded at the two Ends in Manner of a Trencheon or Com-mander's Staff 3 or a Kind of Poniard or from Sword 3 reprefented as were at the Girdle, on feveral antient Medals.

Antiquaries are much divided on the Explication of the

Parasonium; as, indeed, the Form and Manner of bearing le

tre very different. It is fomerimes thrown a crofs the Shor ers in Manner of a Quiver.

ers in oranteer of a Quarter.
PARBOLLING, in Pharmacy, Se. a. Term spplied to
Fruits, Herbs, Se. which are boiled a little while, to draw
out the first Juices, to be afterwards infusfated or thickened. See BOILING.

See BOLLING. PARCEA, Definies, Goddess, who, according to the an-tient Pagen Theology, preside over the Lives of Men. Their the Antiens trequently confounded with the Fasts, or Definies; and, in cliect, the Parce, according to Plato, were the Daughress of Newssign, and Dossiny. See Farn, and

DESTINY. The Parce were three, Clatho, Lachofu, and Arropus; because, forfooth, all Things have their Beginning, Progress,

and End. Hence the Poets tell us, the Parca fpun Men's Lives; that Cleabe held the Diffaff, and fpun the Thread; Lackefis turned

he Wheel; and Arropes cut it.

The Antients represent the Destinies divers Ways: Locian, in the Shape of three poor old Women, having large Locks of Wool, mix'd with Dastodils on their Heads, one of which holds Wood, mix'd with D. 2 doddis on their Heads, one of which holds a Dishird, the other a Wheel, and the third a Pair of Sciffers, wherewith to car off the Thread of Life. Others represent them otherwise Collebo appearing in a long Robe of divers Colours, wearing a Crown upon her Head, adorned with Feren Scars, and holding a Dishiri in the Hand; Lackylin in Robe full of Curra, with feveral Spindles inher Hand; and Arriges and Arriges and Colours, with feveral Spindles inher Hands; and Arriges (The Mach., evening the Thread with large Sciffers.)

The Antients imagined that the Parse used white Wool for a long and happy Life; and black, for a short and unfortunate PARCEL-MAKERS, two Officers in the Exchequer, that

make the Parcels of the Echestor's Accounts, wherein, they charge them with every Thing they have levied for the King's Ufe, within the Time of their Office, and deliver the same to

Ufe, within the Time of their Office, and deliver me same to one of their Auditors of the Court to make an Accompt with the Eicheator thereof. See Escipators.

PARCENERS, gmpf Perceletrs. See Co-Paricines.

PARCHMENT, in Commerce, 8fc. Sheep's or Goat's Skin prepared after a peculiar Manner, which renders it proper for feveral Ufes; particularly for writing on and covering of

tor towers! Ules; particularly for writing on and covering of Books, 85c.

The Word comes from the Latin Pergamenum, the authors Title of this Manufacture; which 'its faid to have took from the City Pergamen, to one of the Kings whereof its Invention is a fairbed. Parchment is begun by the Skinner, and ended by the Parch

Part influent is negum of the Statmer, and ended by the Partic-ment-Maker. It makes a very confiderable Art.ele in the French Commerce: "Tis made in most of their Cities and, be-fides the Confumption at Home, they fend vast Quantities a-broad a particularly to Dingland, Flanders, Helland, Spain, and Partings."

Perings.

That call'd Virgin Parchivent, and which superfittious People believe to be made of a Kind of Caul, wherein some Children are inclosed in the Womb; is nething but a somewhat thinner and sincer Sort than the rest, proper for certain Parpostes, as Fana, &c. and made of the Skin of an abortive Lamb, or Kid. Manufacture of PARCHMENT

The Skin having been fitting of its Wood, and pafe'd the Lime-Fits (offer the Moment adjorited on the Wood, and pafe'd the Lime-Fits (offer the Moment adjorited under the Article CHA-MONIS). The Skinner fitteches it on a Kind of Frame, conflicting of four Pieces of Wood, mornisid into each other at the four Angles, and perforated neighboury from Dilitance, with Holes, furnished with wooden Fins that may be turned at Pleatine, like thole of a Violin.

To fireth the Skin on this Frame, they make little Holes all around it, and thro' every two Holes draw a little Skewer; to this Skewer they tie a Pioce of small Packthread, and tie

this Skewer they tie a Piece of final! Plackthread, and ue that over the Pins, 50 that coming to turn the Pins cydally, the Skin is drained tight-every Way, like that of a Drum.

The Skin being thus fufficiently freeched on the Pirmage, the Pielfs is pard off with a floar Informent for the Purpafe; a this done, 'its monifered with a Rag, and a Kind of white Stone or Chalk, reduced to a fine Duth, threw'd over its them. some of Childs, reduced to a 'nne Duit, threw d. over its then with a large Punice-Stone, flat at Botton, much after the Man-ner of a Mullet for grinding Colours, they rub over the Skin as if about no grinds the Challs; a and thus focover off the Remains of the Fleft. They then go over it again with the iron In-framents; a sgain motifien it as before, and again rub it with

the Pumice-Stone without any Chalk underneath; this fimooths and offens the Helh-Side very condiderably. They drain it again, by stuffing over it the iron intimument as before. The Fish-Side thundrain'd, they pass the Iron on the Wood, or Hair-Side; theo, fireth it light on the Frame by means of the Fins, and go over the Helh-Side again with the few; this finishes in the rainings and the more the Skin is drained, the iter it ever becomes.

wanter at ever deconce.

They now throw on more Chalk, fweeping it over with a a Piece of Lamb-Rin that has the Wood on 1 this finoothis it till turther, and gives it a white Down or Nap. "Tis now left to dry, and when dried, taken off the Frame, by cutting it all

The Skin, thus far prepared by the Skinner, is taken out of his Hands by the Parchmens-Maker; who first scrapes or pares it dry on the Summer, with an iron Instrument like that aboveit dry on the Summer, with an iron Instrument like that above-mentioned, only finer and flaraper; with this, work d with the Arm from Top to Bottom of the Skin, he takes away about one Half of in Flickench. The Skin, that quality pared, on both Sides, they past the Pumico-Stone over both Sides, to fmouth it This had Preparation is performed on a Kind of Form or Bench towered with a Sack fluiful with Flocks, and leaves on Bench tower in a Carlitive function.

or Bench cover dwin a six mind with process, and reave the Parchment in a Condition for writing on.

The paring of the Skin dry on the Summer, is the most difficult Preparation in the whole Process of Parchivest-making, for which Reason the Skinners feldom date, meddle, with it; for which. Resion the Skinner feldom dare modile with hig boutshiply leave it to their more experienced in it. The Sam-mer, when the first proper to the Skin which is failted a cop of it with a sooden lutirument, that has a North car in it. Latily, that the iron Knife may pals the eafer, between the Sammer and the Skin to be pared, they para another Skin which they call the Counter-Sammer. The Parings these rates of the Eather, are self al masking Glac, Skin, Se-sten of the Eather, are self a masking Glac, Skin, Se-

Sec GLUE, Sa. What we call Vellow is only Parchment made of the Skins of abortive Calves, or at least of fucking Calves; 'tis finer, whiter, and smoother than the common Parchment; but is prepared in the fame manner as that, abating that 'cis not pais'd thro' the Lime-Pit.

PARCO fracto, in Law, a Writ that lies against him who violently breaks open a Pound, and takes out Beafts thence which, for fome Trefpass done, were lawfully impounded

See Pount PARDON, in Law, a Remission, or Forgiveness of a fe-

"EARLY DON, In Law, a Remillion, or Porjivench of a fe-bionics, or other Obrece against the King." This our Lawyers make vended; it has the case of small reging. This our Lawyers make vended; it has the case of the confidence of the feed of the

biles. See Justica.

In this Senie, Paradon is properly the Angelic Salutation, faid to the Virgin at the Sound of three little Strokes of a Bell, rang in the Marning, Noon, and Night, in order for the Perfon to be entitled to Indulgences.

Perfon to be entitled to Indulgences.
PARDONERS, in our antient Cathons, were Perfons who carried about the Pope's Indulgences, and fold 'em to the highest Biddes. See INDULANCE.
PAREGOMICKS, in Medicine, Remedies which affwage Pain; the fame with what we otherwife call Annalyses, and O-

piates. See ANODYNE and OFIATE. The Word is Greek rags young

PARELCON, in Grammar, a Figure, whereby a Word, or Syllable, is added to the End of another. PARELIA, or *Parhelia*, in Physiology. See Parara-

PAREIRA BRAVA, the Root of a Plant growing in the West-Indees; chiefly Mester and Brazil; effected a Specific for the Care of the Stone and Gravel.

for the Care of the Stone and Gravel.

The Name, which in the original Portaguese, fignifies WildVines, or Bashord Vines, bears a good deal of Analogy to the
Plant, which bears Branches loaden with Leaves perfectly like
those of the Vine; and which, like them, creep along Walls

and Trees. The Perseguence value this Root on an equal footing with the Isecsensubs. Some Druggists call it, by Corruption, Pa-

rade Brass.

M. Geoffrey attributes the Efficacy of this Roos, in Nephritic Cafes, to its diffolion the vifield Matters, whereby the Particles of the Sand, &c. were comented together: And hence, he gives it with the fame Intention in Jaundices, Atthma's, &c. The Partnesses hold it also a Remedy for Dysenteties,

Quinzies, Bites of venomous Beafts, &c.
PAR ENCHYMA, or PARENCHYMOUS FARE, in Anatomy, a

Term used for the peculiar Substance of several Parts of the Bodies of Animals, as the Heart, Lungs, Liver, Spicen, Kid-nies, Sc. thus called from the Greek ways your, Lifenion, q. c. generated by a Collection and Condensation of Juice. See FLESH.

generated by a Collection and Condentation of Juice. See FLESS, Draffferains first gave the Name; as imagining the Sub-flanceof thefe Parts not to be Vafeular like the reft, but to con-fift of a Mass or Congulator of Blood, Hagnard in the Veffels of the Parts: But the Moderns reject this Opinion: The Ob-fervations made by Microfcopes, Impédion, St. clearly filewing, that the Heart is a true Muckle, (Sr. Hagnary) the Laugus and

Spicen, Clufters of membranous Veficles, and Veffels (Ste f Glands, thro' which the Bile and Urine are filtrated. See LIVER and KIDNIES

PARENCHMAN of a Plant. Dr. Grew gives the Name Pa-euclysma to the Path or Pulp; or that inner Part of the Plant, hro' which the Juice is supposed to be distributed. See Plant, Pitti, Co

This, when view'd with a Microscope, appears to refemble Marrow; or rather a Spunge; being a porous flexible dilatable Subflance. See MEDULLA. Ins Pores are innumerable, and exceedingly fmall; receiving as much Humour as is requisite to fill and extend them; which Diffosition of Pores it is, that is supposed to fit the Plant for Vegetation and Growth. See Vegetation.

The Parentlyms is whire, at first, but changes its Colour, in Proportion as the Root grows thicker. Thus it becomes yellow in the Root of the Hastard Rhubarb, and red in that

of the Snake-weed. See PLANT.
PARENT, a Term of Relation, applicable to those from
whom we immediately receive our Being. See FATHER and

Preference of twelve Men, who made Catat, they delieved it was done for a juli Gaule.

We read of it in the Laws of Hen. Lafter fisch Abjuration, the Perfon was incapable of bioheriting any Thing from any of his Relations, 156.

PARENTALIA, in Antiquity, fineral Obfequies, or the laft During said by Children to their deceafed Parents. See

OBSEQUES.

PARENTHESIS, in Grammar, a Number of Intercalary
Words, inferted in a Difcourie; which interrupt the Senfe, or
Thread, but which foem necessary for the fuller undertainting

of the Subject.
The Word is form'd of the Greek week inter, between, and

The Word is round to the circused deep inter, between, and solving Politicis, q. d. fpin between.

The political of our modern Winter avoid all Parasithesses, as keeping the Mind in fuspence, embarrating it, and rendering the Distourse left-clean, uniform and agreeable. Long and frequent Parasithesses are intolerable, afterprintly I verte, frequent Parenthefes are intolerable; efpecially in Verfe, which they ever render dull, and languid, and like to Profe. The proper Charafteritie of a Parenthefi, is that it may be either taken in, or left out, the Senfe and Grammar remainment.

ing entire.

In Speaking, Parentiefs are to be pronounced with a different Tone; and in witing, are inclosed between (); to diffinguish them from the reft of the Difcourte.

The Character itself is also called a Parenthofis. See Cit A-ACTES

PARERE, in Commerce, an Italian Term which begins to be naturalized. It fignifies the Advice or Counfel of a Mer-chant or Negotiant; for that fuch a Person, being confulted on

chant or Negettant; for that fisch a Perion, being conduited on any Peint, introduces his Anfare, in Hallow, with M. Jare, i. c. I think, it feature now.

The Method of Negotiating, effectially, that of Bills of Exchange, being borrowed from the Indiana, mult trading Giries, effectially James, return the Ulfer of Perrery, which are the effectially James, return the Ulfer of Perrery which are the ferre as Adth before Neutrale, when given by Authority of a Landson Country, or as a particular Confidentian. For main-

ferre as Acts before Notaries, when given by Authority of a Judge-Convertiator, or at a particular Confillation, for main-taining the Right of the Confiniter.

M. Strowy has an excellent Trearife, intitled, Parere, on Avis Es Confills for les plus Importances Mattiers six Commerce; Containing the Refolation of the most difficult Questions re-

Containing the Constant of the Market of Exchange, Orders without Dates or Expression of Value, Blank fignings, Renewing of Bills of Exchange, those drawn or accepted by Women ing of Bills of Exchange, those drawn or accepted by We in Behalf of their Husbands, orduring the Minority of Drawer, &

PARENGA, a Term fometimes used in Architecture, for Additions, or Appendages, made, by way of Ornament, to a principal Work. It is fometimes also used in Painting for little Pieces, or Com-

eartiments on the Sides, or in the Corners of the principal

Piece.
PARESIS, in Medicine, a Difeafe call'd also Pershyft and
Palfy. See Panatysis, Ec.
PARGETING, in Building, is used for the Plaistering of
Wolls; founctimes for the Plaister itself. See Plaisters.

Pergeing is of vations Kinds 3 as, r. White Lime and Hair Morate laid on baze Walls. 2. On bare Laths, as in partitioning and pain Geling. 3. Rendring the Indies of Wallsor double Partition-Walls. 4. Rough-eating on Hearth-Laths, 5. Plaitficting on Brick-work, in Imitation of Stone-work; and this late. upon Hearth-Lat

upon Henri-Latin.
PARHELIUM, PARHELION, or PARELION, in
Physiosyp, Mod. Sun; a Microc, in Form of a very height Light
payering saled of the User from the West Part North
payering saled of the User from the Part North
payering saled of the User from the Part North
The Tarkhila utually accompany the Courac, or large
Cowns 3 are placed in the fame Circomference, and are
formed 1 along the Couract Part North
The Tarkhila utually accompany the Courac, or large
Cowns 3 are placed in the fame Circomference, and the
form the Common the Couract Part North
The Common the Couract Part North
The Common the Couract Part North
The Couract
The Co

the Red and Yellow on the Side towards the Sun 3 and the Biles and Yoke'to on the other. See RAISMON. Without any Tho' there are Corone fornerines fice entire, without any Parkelia 3 and Parkelia without Corona. See Cokoo A. In the Year 1639, was feen at Rome a Parkelian of five Sunsy and in 1666. another at John of fix.

The Word is form'd from the Greek one justs, near, and

but Sol, Sun.

6.0E 50. Sun.
M. Afferities to Special Ref. Appearance of Purbille, from M. Afferities to Special Ref. Ref. which multiplied lenges of the Sun, either the Anny which multiplied lenges of the Sun, either where he is rest, or the reflecting Com, and ferrings as Marrows. See Mr. ason, 46.
The Leaves Laws of Reflection and Reflection have great reflecting Com, and ferrings as Marrows. See Mr. ason, 46.
The Leaves Laws of Reflection and Reflection have great reflecting the prediction of the reflection of the

they are pained, by a Geometrical Columba.

Mr. Infegrom accounts for the Fermantian of a practicus, in Mr. Infegrom accounts for the Fermantian of a practicus, in Number of final lay Cylinders, with opaque Kirneis, carried, he Air, nichters in a perpendicular not parallel Direction, but inclined to the Inferior in a certain Angia, nearsy hast it agin to meet the account of the Columba of the Cylinder being exposed to the Sun, and the Eye put in the re-quifite Situation, there were successively seen all the Refracti-

ons and Refl-citions, necessary for the Phenomena of the Par-See HALO.

bein. See Halo.

PARISTALIA Offic, in Ansomy, the third, and fourth
Bones of the Creamon 1 be called, because they form the Parstreet, or Sides of the Head. See Grantum.

Their Subtance is finer and thinner than that of the Conand and Concision. Their Figure is figure; their Size furgation
that of the other Bones of the Head; and their Siraution, in

the lateral Parts, which they poffers entirely.

The Sogittal Suture connects them at the upper Part; the The congested Source connects them at the upper Part 5 the Coread joins their Fore-part to the OF Front's 5 the Londodde's joins them by the Hind-part to the Occipant Bones and, light the quantumous Source joins them by the Lower-part to the OF Ferry Source Conference on the Conference of the OF Ferry Source Conference on the Conference of the Conference on the Conference of the Conference of the Conference on the Conference of Conferen

The outer Surface of these Bones is very smooth and po-lish'd; the inner, rough and uneven; full of Impressions, which the Arteries of the Dura Mater have made by their continual

The Attention of the Attention and the Attention of the A of the Body; whereas the right only drives it thro' the Lungs.

See VENTRICES, ESc.
PARISH, the Precinct or Territory of a Perifo Church.
See Church. See also Parachial.

ACADEMIC, See All PARCHASA.

In the anistic Cherch, there was one large Building in each Cley, the the Deople on meet lay and this they 2014 22s.

Cley, the the Deople on meet lay and this they 2014 22s.

Inspect, and by Pargle was mean a Dioce, or the Jurification of a Hirboy, confilting of ferenti Chumbers; made we will findly considered the Charless of the Diocess and Disnovally Palmor and Charless of the Diocess and Disnoval of the Charless of the Diocess and Disnoval Al stell, 4th Word now receive inscription Meanings.

At stell, 4th Word now receive inscription Meanings before the Park Courtry, but the day of Clickware meet and the Disnoval of the Charless of the Charless of the Disnoval of the Disnoval

that was divided into Parifor. Baronius fays, that in the Time of Pope Cornelius, there were 40 Parifor in Rows. The Divilion of England into Parifor, is attributed to He-moria Archbilhop of Conterbury, in 636. Combéée reckons 9264 Parifore in England. Combéréam makes, at parefent,

The Word comes from the Latin Parachia, of the Greek Du Cange observes, that the Name wagnis was antiently given to the whole Territory of a Bifthop, and derives it from Neighbourhood; because the Primitive Christians, not during to alternble openly in Cities, were forced to meet fecretly in Neighbour-houses.

Neighbour-houtes.
PARISIN\_TREPS; the Pation, or Minister who holds a Perigo as a Benefice. See PARISON.
If the predial Tythes be appropriated, the Parson is called Rective. See RECTOR. If they be impropriated, he is called Reffor. See R. L. Vicar. Sce Vicar. Mon

Floor. See Vican. Among of Account; formerly a real Money; FARISIS, a Money of Account; formerly a real Money; funds at Partit; at the fame Time with the Xistrana, firack at Yara. See Money and Coas.

The Partific exceeded the Yastranai by one Fourth; for that Liver or Pound Partific was 3, 506; a and the Liver Xistranai to. The Sait and Demuri, Partifi, Sc. in Proportion.

See LIVRE, SOL, Ec.

See Livre, Sor, Ec.
PARK, an Inciofine flock'd with wild Beats, tom Sylwifires, queen Campégires; fay our old Lawyers.
Crampton oblerves, that a Subject may hold a Park by Prefeription, or the King's Grant, which becard do a Foreth. See

Forker.

A Park differs from a Chaft or Warren; for that a Park must be enclosed; it is it to epen, it is a speed Caute of ferining it into the Kings's Hand; as a free Chafte may be, it coloid. Not can the Owner have any Aftion against fuch as hast in his Park; if it it open, See Charke.

Du Carge refers the Investion of Park; to King Henry L.

of England: But Speliaan thews, 'tis much more antient; and of England: Hat Spenness news, we much more americal and was in the among the Angle Sectorii. Zezimor affures ut, the anticut Kings of Perfie had Parks. Zezimor affures ut, the anticut Kings of Perfie had Parks. The Word is originally Chitis, where it fignifies an Inciofure, or Place flut up with Walls. P.A.R. is also used for a moveable Palifies up in the

Fields to inclose Sheep in to feed, during the Night.

The Shepherds shift their Park, from Time to Time, to dung

The Shepherds fluit their Fare A found in use A found.

The Shepherds fluit their Fare A found in use A found, to do use the Ground, on Per a fire a mode.

Para is allo side for a very large Net, shift bodis avouable bodie to wash. So with only one filled wish! bodis avouable of the Shep with only one filled wish! bodis avouable off; fo that the Fillh has no Wy left to Graye.

Para, in War, or Park of the Arthury, 3 Poll in a Carmy, out of Camono Shots where the Camono, satisfail Fires, Pourpose of Camono Shots where the Camono, satisfail Fires, Pourpose of Camono Shots, and all Caffullation and all products of the satisfail for the Camono, which was a fire of the Camono Shots, and all Caffullation in Camono of the Tark of Armitry.

Para of Powdenics, is moder Paire in a Campo on the Salders, who follow the Army with all Samed Provinces, and follows the Salders.

to the Soliters,

PARLEY, a Conference with an Enemy, Se. of the French
Parker to Speak, talk.

Hence to broat or female a Parkey, is to give a Signal for the
holding of such a Conference by Beat of Drum, or Sound of

PARLIAMENT, a Grand Affembly, or Convocation, of the Three Effaces of the Kingdom, vvo, Lords Spiritual, Lords Tempural, and Commons, furnmented to meet the King, to conult of Matters relating to the Common-weal ; and particularly to enact and repeal Laws. See Estate.

The two Houses of Perhament are the King's Grand Coun-

The row Holies of Perinasons are the King's Grand Com-cle. See Coroscate, the great Concell, conflicting only of the Grand Computer of the Computer of the Computer of the great Mon of the Kingdom, was called Augustons community, and Perinason Perinasons Constitute. The Sowner, the there on Tougos, call dis Wittensgomer, i. e. Adiemby of the Wife, K. Ede. 1, Some Computer, i. e. Adiemby of the Wife, is interesting, q. d. depolarment, from the French, Perdry, to Epcky, the Hill 1990 of the Hill 1990 of the Nation 1710 in the Wife of the Hill 1990 of the Nation 1710 in the Wife of the Hill 1990 of the Nation 1710 in the Wife of the Hill 1990 of the Nation 1710 in the Wife of the Hill 1990 of the Nation 1710 in the Hill 1990 of the Hill 1990 of the Nation 1710 in the Hill 1990 of the Hill 1990 of the Nation 1710 in the Hill 1990 of the Hill 1990 of the Nation 1710 in the Hill 1990 of the Hill 1990 of the Nation 1710 in the Hill 1990 of the Hill 1990 of the Nation 1710 in the Hill 1990 of the Hill 1990 of the Nation 1710 in the Hill 1990 of the Hill 1990 of the Nation 1710 in the Hill 1990 of the Hill 1990 of the Nation 1710 in the Hill 1990 of the

in the Religion of their 11th, the Commons were also called on for the Religion of their 11th, the Common teach of the Common teach teach of the Common teach of the C

in the County, and who had a yearly Revenue of 40 s. [house

be admitted to vote; nor were any to be elected that were der at Years of Age.

der at Name I algo.

That the Members might attend in Parliament with most
Freedom, they, and all their meals dervams, were principle.

Freedom, they are all their meals dervams, were principle of the property of the prope

Ellidogo on Formaş ind the Vifenants and Burnea on octerari-centi the Houtig, all according to their Other of Cestino, Place, Ec. Sec Praceibraco, y, only the Speaker has a Chile at the opportunity of the Speaker has a Chile at the opportunity of the Speaker has a Chile at the opportunity of States have a superior and the Houties have been a superior and Nattern be done, all the Mom-bea of the Houtie of Common such the Othas, and infectine heart of the Common such the Othas, and infectine their Opinica spaint Transfoldationistics, Ec. which "Fith, the Lordeto, On the Unique of the National Confession of States of the The Houtie of Lords in the Storwige Court of Justice of the Resin, and the Destructive Referry The Houties of States of the Resin, and the Destructive Referry The Houties of Pays and Good grand Inquest, but no Court of Justice. See PERES and Com-

Names.
At its the Massour of inhancing and judging Bills in belamment, Any Member may move to have a Bill steepal; in fee may helper, and the proposed in the fear which the prefer with olders are ordered to prepare and bring in the falme. When ready, a Time is appointed for a Reading; after reading it by the Citch, the Option of the Reading; after reading its by the Citch, the Option of the Reading; after reading the the Citch, the Option of the Reading; after a few of the Reading; after a few of the Reading of the Citch of the Reading the Option is, when there or not in fall have a committed within the other to a Committee of the whole Deads, if it be of importance; or to preven Committee, and Massouries and the Reading the Option of t

Valte Communes, where the presented, and a Chairman chofen, the Chairman ends the Bill, Paragraph by Paragraph, puts every Chairman reads the Bill, Paragraph by Paragraph puts every Chair to the Quellion, fills up Blanch, and makes Amendments, according to the Opinion of the Majority. The Bill thus goot thro, the Chairman makes his Report at the Sidebar of the Houfe, reads all the Additions and Amendments, \$5^{\*\*} and \$1.00 are also all the Additions and Amendments, \$5^{\*\*} and \$1.00 are also all the Report to the Table 3 and according to Laces to bring up the Report to the Table 3.

bared the Homfe, read-all the Additions and Amendments, for-and mores for Leves to bring up the Repert to the Tables, which gatzed, he delivers in the Cach, who reads the A-ment of the Cache and the Cache and the Cache and the Tables placed the Homfe and Homfe and the Cache and the Francisco and the Cache and the Cache and the Cache and the Tables and the Cache and the Cache and the Cache and the Law and the Cache and the Cache and the Cache and the law and the Cache and the Cache and the Cache and the law and the Cache and the Cache and the Cache and the Law and the Cache and the Cache and the Cache and the Additional Cache and the Cache and the Cache and the Additional Cache and the Cache and Cache and the Cache and the Cache and the Cache and Cache and

Segment. Or, in the Houfe of Londs, soit halis are Genmin, Bill beryfickel, fraumbe usy more more properfied the
sing that Seffice. See Blatts.

Forey Members consillares a Berly of Genemen, and eights.
From Members of the See Blatts.

Forey Members of the See Blatts.

In the Lord's House from the See Blatts of the
form Day more than once to the time. Bill in the fines Day.

In the Lord's House they were, beginning at the Palls or

Joseph Bann, and for up code, beginning at the Palls or

Joseph Bann, and for up code, beginning at the Palls or

Joseph Bann, and for up code, beginning at the Palls or

Joseph Bann, and for up code, beginning at the Palls or

Joseph Bann, and for up code, beginning at the Palls or

Joseph Bann, and the Members of the Members,

Joseph Bann, and See Bann, and the Members,

Joseph Bann, and Members, and Members, and the Members,

Joseph Bann, and Members, and the Members,

Joseph Bann, and Members, and Members, and Members,

Joseph Bann, and Members,

Joseph Bann, and Members,

Joseph Bann, and Members,

Jose

ference is a distribution of the projective destinated are the London ferring covered, the Common Banding labe, the Cells is de-barred. If they differes the Affair is stuff i, they come the control of the Common Banding over the control of the Common Banding to the Common Banding of the Common Banding The Normon Banding the Common Banding the Common Banding The Normon Banding the Common Banding the Common Banding The Normon Banding the Common Banding the Common Banding The Normon Banding the Common Bandi

certain; as increasing at the King's Pletfure. The Members of the House of Commons, when full, are 552, wice, 39 Kinghow 65 Kings of Shirtes, 32 Departies for the 29 Cities, London baring 4,316 for the 8 Cinque Ports 22 for each University, and, 6-nally, 325 for 160 Beroogles, betale 12 Boroughs for Wales, and 49 Members for Stotlenth.

ambly 3:19 for \$50 Beroughts, bridge 1: 2 Benought for Wards, and 45 Members to 2 Wardson are all of the Gride A Hershise bed 44 Members to 2 Wardson are all of the Gride A Hershise belief the first of the States of the Realism. Thus we read that the Abote of Copient was wife to call Persisionars of his Monkay to conful of the Adhiser of the States of the Adhiser of the Measure of the Monkay to conful of the Adhiser of the Measure of the Monkay to the Monkay to conful of the Adhiser of the Members of the Monkay to the Monkay to the Adhiser of the Monkay to the Monkay to

ann me Chambers or inquests, where Procedes are adjudged in Writing, See CitaMara.

Under their fecond Race of Kings, the Parliament, like that of England, was the King's Council; gave Audience to Ambafiliadors, and confulted of the Affairs of War and Government.

ment
The Kings, like ours, prefided in 'em, without being, at all,
Maften of their Refolution. But, institer Times, their Authority has been shridg'd, the Kings having referr'd the Decifion of the grand Affairs of the Public to their own Councils 3

tion of the grand Attarts of the Faulte to their own Councils a leaving none by private ones to the Perkamoesti. PARLIAMENTUM Indelferam, a Decomination given to a Perkamort held at Covenary, 6 Iden, IV. whereum, by fpecial Precept to the Sherilli of the feveral Counties, no Períon Büll'd in the Law was to be called.

special Bull'l's the Lawrence to the Control of the Part Lawrence and La

The Word is formed from the French Parler, to talk; and note also our Parless.

hence allo our Verteur.

Antienty, there were also Particurs in the Convents of Mocks, where the Novices uled to converte together, at the Hense of Recreation; but there were liftening Places over, from whence the Superiors could hear what they fail a fuch one there fall fuelish in the Adbey Sc. Germania de Proc.

a one there are robusts in the Address of Germatin 20 19763.

In the Order of Feuillans, the Pariour is a little Room open on all Sides, placed at each End of the Dormitory, where the Mooks talk rogether, it not being allow'd them to speak in the

PARMA, among Antiquaries, a Kind of antient Buckler.

Photos, sing insquares, a kind of same Backers. See Buerlan.
Polybins deficibes the Parmas as very floong, round, three Poor in Diameter, and big enough to cover the whole Body's Yet Servins, on the Easted, and even Vigil himself mention it as a light Piece of Armour, in Comparison of the Cipters. See

PARMESAN. See PADUAN. PAROCHIAL, fomething belonging to a Parift. See

ARISH. Every Church is either Cathedral, Collegiate, or Parachial.

SEC LINK. II.

Galbeno's la where there is a lifthop's See, or Sext, call'M

Carbeno's law where there is a lifthop's See, or Sext, call'M

Carbeno's lifthout Sector of Dean and Chapter, See

CATHERDAY. GOLKEGIATE, ESC.

CATHERDAY. GOLKEGIATE, ESC.

Particular Observation is that infiltrated for the performing of di
the Generice to the People who dwell within a certain Cont
PARCONY. a Gonomic Mound & Mound.

PARODY, a popular Maxim, Adage or Proverb. See Pro-'The Word is form'd from the Greek aged and ide, Via, Way,

as being trite, or passing among the People.

PARONY, is also a poetical Pleasantry, consisting in applying the Verses of some Person, by Way of Ridicule, to another; or

PAR

in turning a ferious Work into Burlefque, hy affecting to ob-ferve, as nearly as possible, the same Rhimes, Words, and Caences, See Bust EsquE.

dences. See BURLEQUE.
The Parsidy wasful feron foct by the Greek; from whom we borrow the Name. It comes near to what fome of our late Witters call Transiffs.
PAR DDICAL Degrees, in an Equation, the feveral regular Terms in a Quadratic, Cubico, Biquadratic Equation, &C.The Indices of whole Powers afcend or defend orderly in an attitle

Thus, Z+ Z M + Zr = S is a Cubic Equation where no Term is wanting, but having all its Parodic Degrees; the

Indices of the Terms regularly descending thus 2, 2, 1, 0,

PAROL, in Law, is formetimes used in antient Writers for Ples in Court. See Plea.

a 'Phès in Court. See Pleas.

Leafe Paron, or per Perul, is a Leafe by Word of Mouth;
thus call'd no distinguish it from one in Writing. See Lassay.

PAROLE, is War, 55. when a Picinacro Warris allowed
to go into his con Country, or to his own Parry, upon his Word
and Promise to cerema at "Time appointed, if not exchanged,
he is find to be out upon Parole, i. e. upon his Word.

WARDLE Leafe and he daubled of what was hidden for the real

e is sind to be out upon Parthe, i. e. upon his Word.
PAROLL, in Gaming, the double of what was laid at Stake
efter a hence, to effer the Parth, &c.
PAROEMIA, a Pervert. See PROVERS.
The Word is town if from the Greak tous Way 3 quaff wit
May lay large at some, b. e. tristing or from time Word.
PAROMOMASIA, in Rhetoric, a Figure whereby Words
acty alike in Sound, but of very different Societae are affectedearly alike in Sound, but of very different Societae are affected-Iv ufed.

ly uted.

As, not Friends but Fiends were here: So Tilly to Authory,
earn in Granio Minarium mentem: E mentum defoners: And
to Attieus, Copili jilp parro Animo E pravo, loci mogio pomofacetiis ridiculus. And that of P. Chryfologus, Monachorum Celfulle jam son Etemeticae fild Aromatica. And in another Place,
He ogent in Cellis quod Angeli in Cellis.

Among the Greeks the Personnalis was very familiar. Thus Herodottis mbiquam, parimars, que socent, decent. And thus that Infeription of Apollowerus a celebrated Painter, on one of his Pieces.

Municera de mão sos à pupilerras

Munictrus of unitors by mulerras
Twill be eafter to derind, then to initiate.
The Word is form'd from the Greek Signear, and issue,
Name, a.d. Previousity or Refemblance of two Neumer.
PARONYCHIA, Whitee, in Medicine, a painful Kind
of Tumor, or Inflammation, arifing on the Ends of the Fin
ges, and the Roots of the Nails 5 otherwise called Panarit. gers, and the a

The Humour or Matter of the Paranychia is formetimes for flarp as to cornode the Tendons, Nerves, Perrofitum, and even the Bone itself.

It is lodged either between the Integraments, or between the Perrofitums and Bone. The deeper the more dangerous.

The Word is derived from the Greek macel and work Unguit.

Nail PAROTIDES, in Anatomy, two big Glands, fituate be-hind the two Ears; and filling all the Space between the posterior Angle of the under Jaw, and the masteidal Apophy-

preferries Angele of the under Jaw, and the malloidal Apply-JoJie. See Craxan and Renaux Kink, and payloren carrows.
They are of the Conglomester in the high pierre carrows.
They are of the Conglomester in the Trail of Richarge, a
Humour Expansed in 'un foun the arreverse Blood, called detarget in the Conglomester of the Conglomester Blood, which was also got acting at the Hiller of the Clinda, and which may also got a counting at the Hiller of the Clinda, and which may also got arranged to the Conglomester of the Conglomester of the The Word is form'd from the Orrek was one; and we know The Word is form'd from the Orrek was one; and we know The Word is form'd from the Orrek was one; and we know The Normal State of the Conglomester of the Conglomester of the Theorem's Children are particularly linker to 'un. They are no be recard like Table's. See Basic.

\*\*PAROXISSA, In Medicine, the Grever Ett of a Difeate PAROXISSA, in Medicine, the Grever Ett of a Difeate of the International Conglomester of a Difeate that Internation, and Agree See Accesses.

It is fometimes allo used for the Access or Return on Ame-safe that intermits, as an Ague. See Access. The Word is form of from the Greek rage much, and keet acute. PARRICIDE, in Stricknets, is the Murther, or the Mur-there of a Father, as Matricide is of a Moches. The Word Parricide is also ordinarily extended to both. See

MURTHER

The Remembre long Time, bad no Law against Particles; from an Opinion, and American States, and and opinion, and American States, and and opinion, and American States, The Romans, for a long Time, had no Law against Parricides;

(355) PARTING to Fencing, the Action of defending a Man's add Case felf, or of flaving off the Strokes, See, offer'd him by another.

Good Fencers push and parry at the fame Time. See GUARD.

The Spaniar is party with the Poniard. The Antients par-ied with their Bucklers. See Parang. PARSON the Incumbent of a Parish Church. See Parish.

PARSON, not incumbent of a Parith Church. See Parisst.

He is faid, by fome, to be thus called by Way of Eminence;
the Revenues of a Church being defined to maintain megnator

Persparan; or, as fome will have it, because he is bound by

Virtue of his Office, in proprise Tenginas forward Documbence insperforare, in old Charters, is to put in Possession of a Parforage,

Or as others, because the original Parsons, Persona, were, in reality, only Dignituries, and posters'd Benefices which gave

ia reality, cuty Digistrate, and rollful Bandarium shared mem frame Projectal Pre-minere in the Church or Chapter, but no Power. See Paanos are a complete from the Church or Chapter, but no Power. See Paanos are a complete from the Church or Chapter, but no fine a being fine of the Church of the

legitate, or Conventual Body, no woom the catach was rot ever appropriated, was call? Jergion Immorral. Some again make a Diffinition between Persput, Persput, imply, and Persput, Impergrave, impergences: The Persput Persput persput is the Rector in Postetion of a Parish Church whether fumply, and Foreign, Improjements. The tryphe Interpolement the Rection in Political sets partitioned, whether projects risk Rection in Political sets partitioned, whether projects in the Rection in Political sets partition, and the Political Pol

Soone as Utrans, Exc. extend the Word Parginage to Digning, and comprehend under it the Arthodocous, Deans, Sc. in Cathedralis, but this ferms first ining the Seale of the Word.

In effect, the Dockers such for Term very differentiary is some applying it to all who have any Pirengarive in the Choir, or applying it to all who have any Pirengarive in the Choir, or the Choir, which is the Choir of the Choir, is the Choir of the Choir, or the Choir, when the Choir of the Choir, which is the Choir of the Choir, when the Choir of the Choir, when the Choir of the Choi e DIGNITY

PART, a Portion of forme Whole, confidered as divided, or as divisible. See WHOLE and DIVISION. Quantity is divisible into an infinite Number of Parts: Not

Quantity is divinible into an intuite Number of Parts: Not equal Parts, but proportional ones. See Divisibility. Philosophy is divided into four Parts, inc., Logicka, Ethicka, Physics and Metaphyticks. See Philosophy. See. The Schoolmen usually diftinguish Parts into Logical and

A Legical Part, is that referring to fome univerfal as its Whole; in which Senfe the Species are the Parts of a Genus; and Individuals, or Singulars, Parts of the Species See Genus,

A Physical Part is that, which, the' it enter the Composition of a Whole, may yet be consider d s-part, and under its own distinct Idea: And, in this Sonse, a Continuum is faid to consist

Tis controverted in the Schools, whether the Parts of a Con-muss or Physical Whole, E. gr. Water, do exist actually before

Finding of Physical wanter, do. gr. water, do exist actually perfore the Division be made, or only potentially.

Pleyfical Parts, again, are of two Kinds, Humageneous, and Heterogeneous; is the first are those of the Imm Decomination with some other; the second of a different one. See Homeo-Carrent Parts.

GENKOUS, &C. Parts, again, are diffinguish'd into Subjestive, Effential, and

A Subjettive or Potential Part, is the fame with a Legical one, etc. that contain'd in fome universal Whole, not in Act, but only in Power; as Man and Horse are in Animal; Perer

and Paul in Man.

An effectial Pars is that, whereby, with the Concurrence of fome other, an effential Whole is contituted. Thus Body and Soul are effential Parts of Man.

Soul are effortial PATI of Man.

An integrant or integral Part is that which is necessary to the Integrity of the Whole; as a Head is of a Man, &c.

In Anatomy, we divide the Parts of the human Body into Centaining and Contained, into Similar and Officiality. It is Similar, again, into Spermatic and Sanguin, &c. See Simi-

LAB, EG LAN, CS.
They also call Noble or Effectial Parts, those absolutely necessary to Life, as the Heart, Lungs, Liver, Brain, Cs.
The Natural or General Parts, popularly call "d Pricy Parts, are those ministring to Generation." Sec Ginner Ation.
The Computer Deads of Physicians are those treating of the Its.

The finest Books of Physicians are those treating of the Ule

The finell Books of Phylicians are those tressing on the Lys of the Ports. Nature, we fay, always difcharge itela on the exast Port, the displayed Port, the Port official, &c. In Chymility, Bodies are fail to be refolved into their mi-nute Ports, their Component Ports, &c. See Chyminary,

The April of the Confidence of Parts, Sec. See Cheminary, Amalysis, Element, Sec. See Cheminary, Amalysis, Element, Sec. See Cheminary, Sec. That Are is fail to feparate the Homogeneous Parts from the Herongeneous y Volatic, fubble, Cuiphurcous, mecurial 35. Parts, from the fixed, each, each, will 45.6. Parts. See VOLATILE, FIX'

In Geometry and Afrenews, Pers is applied to the Divisions of Lines, and Circles: The Semi-diameter of the Circle, call'd alfo the Radius and whole Sine is divided into an hundred thousand Parts 4 the Circumference of the Circle into 260

thouland Paris; the Carcumiterence of the Carcle into 360 Paris, or Degrets; on which two Divisions all the Celefial Computations are made. See Dirors, & Sc. Monter Paris, is a Quantity which, being repeated any Number of Times, becomes equal to an integer; thut is an adaptate Pari of 24; and 3 an adaptate Pari of 24; and 3 an adaptate Pari of 24; and 3 an adaptate Paris of Experiment Paris, See also a Table of Majors and Majorater Paris,

er the Article MULTIPLICATION.

under the Attick MWLFIFLE ATION.

Alloganus Faar, is a Quantity which, being repeated any
Number of Times becomes always either greater or lefs, than
the Whole. Thus, is an abiquant Part of 17, 3 and 5 an aliquant Part of 10, 56. See ALIQUANT.

The aliquant Part is refolvable into aliquot Parts. Thus
13, an aliquant Part of 20, is refolvable into 10 a half and 5 a
South Part of the fame. See a Table of the aliquant Parts

South Part of the fame.

of a Pound under MULTIPLICATION Proportional Part is a Part or Number agreeable and nalogous to fome other Part or Number; or a Medium to

analogous to Iome other Part or Numbers or a Machinu to find out Iome Number or Part unknown by Proportion and Equality of Reafon. See Pagogarton. Similar Para are these which are to one another, as their Wholes are to one another. See Similar vidual, the Para, in Molle, a Piece of the Secret Partition, wrote by jetelf, für the Courselince of the Musician; or it is one or more of the Succetifons of Sounds which make the Hismony, wrote a-part. See PARTITION.

Or, the Paris are the Sounds made by feveral Perfons fing-

ments: 1 to Zejo represents one Eartn 3 to 2000, Water 3 Counter room, Air 3 and the Trelde, Fine Part, in Trigonometry. In a rectangular spherical Tri-angle A B G. Tab. Trigonometry Fig. 22, that Part lying be-tween two others, comidered as Extremes, is call'd by some Authors, the middle Part

Thus, if A B and BC be the extreme Parts, the Angle B If the Pars, confidered as Extremes, be contiguous to the middle Pars and one of the Extremes; those are call'd con-

ionEl Parts. Thus, if B I if B be the middle Part, AB and BC will be the

If between the Extremes, and the middle Part, there lie another, belide a Right Angle; then the Parts are faid to be another, belide a Rijght Angle; then the wasses tast to be effected on a part. E.g., if B be the middle Term, A C and C will be fefenate Parts; because, between the middle Part B and the extreme C, there lies the Hypothenuse B C, and between the middle Part B, and the other Extreme A C, because the middle Part B, and fide the Right Angle, there lies the Leg A B. See TRI-

Most Discovery, either jein'd to the middle Part or feparated from it, are call'd Lawred Parts.

PARTS of Speech, in Crammar, are all the Scets of Words which east the Composition of a Difeouric. See Wonn and

the Sun is in the afcending Point of the East.

The San in the Afcendant is Supposed to give Life; and the Moon disposes the radical Motiture, and is one of the Causes of Fortune. In Horoscopes, the Part of Fortune is re-

PARTERRE, in Gardening, that open Part of a Garden late which we cater, coming out of the Houfe; ufusily, for with Flowers, or divided into Beds, incompassed with Plat-

with Flowers, or divided into Bocks, incompassed with Flat-bands, 65-56 et Garrin.

The Parterre is a level Division of Ground, which, for the only Fart, faces the South and best Front of a Houle, and is generally intuitled with Greens, Flowers, 56.

These are divers Kinds of Parterres, as Browling-Green or Plain Parterres; Parterres of Embreidery; cas in Skell, and South-owle, for, with South-Alies between them.

An obling, or long Square is accounted the most proper Figure for a Parterre; the Sides whereof, to be as two, or two d a half to one.

PARTI, PARTIE or PARTY or PARTED in Heraldry, is applied to a Shield, or Escutcheon, denoting it devided, or marked out into Partitions. See SHIELD.

which never can impay years; you, were us, no woon a sponsor with which we have been a superior that it is a mere and with a more of the control of the Cont

PARTY for Pale, is when the Shield has received a perpendicular Cut in the Middle, from Top to Bottom. See PARE

EM. PRATT for Fiffs is when the Cut is a-crofs the Middle, from Side to Side. See Frase.

PRATT for Vend Desert; is when the Cut falls on the upper Corner of the Shield on the right Hand, and defeends a-thwart to the opposite lower Corner. See Bran.

PRATT for Mond Striffon.

Pan't per bend Smiller, is when the Cut, falling on the up-per left Corner, defeends a crois to the opposite lower one. From these four Partitions have proceeded an infinite Num-

ber of others of various and extravagant Forms.

be of others of various and extravioguat Forms. Spédiente in his Appliquis observes, that the perfects Dividious Spédiente to the Appliquis observes, that the perfect Dividious Proceedings of the Company of the Co

See ECARTEES

1646. See ECARTELE.
It is fail to be Perrif from the one to the other, when the whole Shield is charged with fame bonourable Bearing divided by the fame Line that parts the Shield; here, 'tis a Rule, that one Side be of Metal, and the other of Colour. Thus he bears Sable

Side be of Mexal, and the other of Coloni. Thus he foam Solid Partie of Journ, a Journal Solid Partie of Solid

PANTY grows, in Champelloin of a Discours, Soy Woon and "There wo Kinds of Participlit, the one call'd Affree, which care the Compelloin of a Discours, Soy Woon and "There would not be a principle of the Compelloin of the Compel

declined likewife; thus they fay audiens, audientis, audienti, &c. and in the French the Promuns Pative are declinable like their other Adjectives, as J'ay in, eile a ine, nous avens ins.

We take this Occasion to observe, that Declention is a Thi We rake this Oceanon to obtave, that Declindin is a Taling pricticity assolutional to the tereval. Kinds of Woods, i.e. the bare indeclinable Norms, as Grant and Norman, yet both Latins and Intainst decline their Averbees as fentite, which there indeclinable Norms, as Grant and Norman, yet both Latins and Intainst decline their Averbees as fentite, which there is the property of the property of the property of the property of the Norman States Canada Comparison with the Latins, Greek, Proceed, Soc.

In our Longing the Proteinty and Grands, are not at all nor Longing the Proteinty and Grands, are not at all

dit une Lenguage the Participh and Gerunds, are not at all dillinguishable. See Geauven.

PARTICLE, in Physicks, the minute Part of a Body; of an Affembiage or Cealition of feveral whereof Natural Bodies are composit. See Bary.

are composed. See Bary.

Particle in the new Philosophy, is frequently ofed in the
fame Sense with Atom in the antient Epicorress Philosophy;
and Corpugue in the later. See Arom and Convenence.

and topped in the later. See Arom and Convences.
Some of the more accurate Witten, however, dilinguistiff, only
making Particle an Affemblage or Composition, of two or
more primitive, and physically individual Composition or Aroms
and Bedy, an Affemblage or Main of feveral Particles or feecondary Carpicles. See Elexable Nr.
Indeed, the Difficultion is of no great Moment, and, as to most
Described in Places. Operation was be conducted as a fee-

process of Physicks, Particle may be understood as Synonymous with Cs7p0[de. Particles, then, are, as it were, the Eisment of Bodies. The the various Arrangement, and Texture of thefe, with the Difference of the Cohefon, 326. that conflict the various Kinds of Bodies, Part, Joff, Ignid, 477,

The fmallest Particles or Corpufeles cohere with the strong The transect Partners or Corpuctes concer with the Broog-fel Attracllors, and compole bigger Partners of weaker Co-herfoun and many of these cohering compole bigger Partners whole Vigour is full weakers, and thus on for divers Success foom till time Progettion end in the biggest Partners of the Operation in Cuymithry, and the Colonn of natural Ed-cited Capacity and the Colonners of natural Ed-cited Capacity and the Colonners of natural Ed-ter Capacity and the Colonners of natural Ed-ter Capacity and Capacity and Capacity and Capacity and the Edits. See Mayrian.

this Ediks. See MATTER.

The Coliffon of the Particles of Matter, the Epicareans
imagined was effected by Means of booked Atoms 3 the Argordiant by Reft, that is, by nothing at all. But Sit Ifiac Meeton thews it is done by means of a certain Power whereby the Particles mutually attract or tend to each other. See Co-

H 1510N.

By this Attraction of the Particles he shows that most of the 
Phenomens of the letter Bodies are effected; as those of the 
heavenly Bodies are by the Attraction of Gravity.

For the Laws of this Attraction of the Particles. See Ar-

TRACTION.
All Bodies, the fame great Author flows, confeit of the fame fold perfectly hard \*Particks\* or Corpuctes.
PRATICES, for Grammar, a little indeclimable Word, confifting of one or two Syluhoics at the molt. See Wonn, 55.
Thoic stone are properly \*Particks\* which are not declined por conjugated. \*Projections calls \*Particles, Manuers of Words, 1987 of the Computation of the Computati nor conjugated. Bigginian cast Estitute, insumers of Wolfers because rather ferring to expects the Circumstances and Man-ners, of other Ideas and Objects of the Mind, than to reprefer any diffinite Objects of their own.

Particles may be reduced under three Heads: The first Particles may be reduced under three Heads: The first

hew the Manners or Qualities of Words, by being added to them; call'd Adverts. See Anyura.

The freend denote fome Circumftances of Actions and

join Words to Words, Sentence to Sentence, &c. See Con-JUNCTION The third express the Emotions of the Soul. See INTER-

JECTION. "Tis in the right Use of Particles, Mr. Locks observes, that This is the right Ule of Particles, Mr. Leeks observes, that more particularly conditis the Clearents and Beauty of a good Style. To expects the Dependance of his Thoughts and Reatment of the Control o

and feveral other Touquius of the Mind. Of thefe time are a great Veriety made accessing the Namber of Particles, that most Languages have no capter it from by for which Readon it happens that most of bother Particles have a few discussion. The street Particles 200 in Degrife, has feveral very different Significations as in 3, 200 to 0 fps no mere, where it intrinses a flory of the Mind in the Confer it was going, before it came the Mind limits the Sint to the Sint Conference of the Sint Conference of the Mind limits the Sint for what is consistent with the best of the Sint Conference of the Sint Conference of the Sint Conference in your own. The Conference of the Bindington control for the transport of the Sint Conference of the Bindington control of the transport of the Sint Conference of the Bindington control of the transport of the Sint Conference of the Bindington control of the transport of the Sint Conference of the Bindington control of the transport of the Sint Conference of the Bindington control of the transport of the Sint Conference of the Bindington control of the transport of the Sint Conference of the Bindington control of the transport of the Sint Conference of the Bindington control of the transport of the Sint Conference of the Bindington control of the transport of the Sint Conference of the Bindington control of the transport of the Sint Conference of the Si ter fliews that the Mind makes a direct Opposition between that and what goes before. All Animals have Sense, but a Dog is

an Animal: Here it fignifies the Connection of the latter Pros

an Animal: Here it figolities the Connection of the justice Properties with the former.

PRETICES is also a Term used in Theology, and particularly in the Greek Church, where its call'd page set. In the Letter Church the Name Particle is given to the Commo or hittle Pieces of Considerated Bread. In the Greek Church they have a particular Ceremony, call'd rest satellars, of the Particular wherein certain Crams of Bread not conferrated, are offer d up whereincermia Crum's of Eread one conference, are entired up in Homour of the Villigin, S. 49th Septing, and tweenin other Santat. They allo give the Name swaye, observan, other Santat. They allo give Archibdrop of Phytologysias, has a mine Transfer, experience of the Charlest Common, and the Charlest Common, in that is in mentioned in the Limitguie of this Germany, in that is in mentioned in the Limitguie of Sc. Chrysjohn, and Hom.

There has been a condictable Diffuse to a third Head, between the Retirement and the Catholical Droness, shistering and Economic Retirement and the Catholical Droness, shistering and Economic Santatable Charlest Droness and San

the Actormed and the Catholick Divines. Ambertis and Elem-del explain a Pallingel in the Theory of Germans, Partirach of Conflaminople, where he mensions the Ceremony et the P<sub>T</sub>-ri-risties aim fail in his Time; in Favour of the tormer: Mef-ficient de port Regular content the Explanation: Bott M. Samos in his Norse on Galerial of Philaday, int., endeavours to them, that the Palling is an Interpolation; not being found in the antient Copies of Germanies: And configuration that the Dif-PARTICLE, out of Share, in Aftronomy. See PARTICLEA of

PARTICULA exfors, in Aftronomy, the Difference be-reen the Æquatoriai Triangle L A C, (Tab. Aftronom. Fig. 32.

ween the Agustein Trangle I. A.G. (\*I. d., defenses. Eg. 31. and 18 fellow, B.L. 22. See Reparts 19. General and 18 fellow B.L. 22. See Reparts 19. General and 18 fellow B.L. 22. See Reparts 19. General and 18 fellow B.L. 22. See Reparts 19. General and 19. General and

BAL, &C.

nat. Se. In the Schools, Particular is defined to be fomething in-cluded under an Universal; as Man under Animai. Some-timesit is taken for an Individual, as Peter. See Individual. timesit is taken tor an Individual, as Petry. See INDIVIDUAL.
There is this Difference between Particular, and Singular,
that Particular denotes a Timing taken as a Part, as Perre
in refrect of Mankind: Whereas Singular denotes the Part
taken after the Manner of a Whole; as Peter confidered in
himfelt.

PARTICULARIST, among Polemical Divines, a Perfora who holds for Particular Grace, i. s. who teaches or believes that Chrift died for the Electronly, and not for Mankind in See GRACE. PARTIES, in Law, are those who are named in a Deed,

or Fine, as Parties to it; as thefe that levy the Fine, and to whom the Fine is levied. See Figs.

whom the Fine is levied. See Fine.
So these that make any Decd, and they to whom it is made,
are called Partiet in the Decd. See DEED.
PARTILE Affect, in Affrodog, the most exact and full
Afrect that can be. See AFFECT.
PARTING, or DEPARTING, a Method of separating
Gold and Silver by Means of Agna farith. See Gold and Silver by Means of Agna farith.

The Method bereof, fee under the Articles DEPART and

REFINING.
PARTITION, the Act of parting, or dividing, or diffi-bering a Thing. See Division and Distrainution.
The Name Partitions Oracria, is also given to a Dislogue.

The Name Partitiones Oratoria, is allo given to a Dialogue of Cierc's between him and his Son; in regard the Diffourfe is, as it were, parted or divided between tem. Partition, in Law, a dividing of Lands, defeended by the Common-Law, or Caltom, among Co-beirs, where there are

This Partition is made four Ways, whereof three are by This Partition is made four Ways, whereof three are by Myerement, the fourth by Comptuffens.

The first Partition by Agreement is, when they divide the Land equality themfelves inco fo many Parts as there are Co-heirs; the fecond, when each chufts fome of their Friends to make Divition for them.

make Division for them. The third is by drawing Lots, thus: Having first divided the Land into as many Parts, as there are Perfoas, they write every Part Pervally in a diffittled Seroli, and wasping it up, those each into a Hat, or fach like T hing 3 out of which each one draws according to his Superiority 3 and 6 the Land is from the work of the control of

one draws according to mis superiority; a unit to use a second reversity allowed.

The fourth Partition, which is by Compulson is, when one or more of the Heirs, by Reafon of the Refusla of flowe other, since out a Writ of Partitions faciends; by Force whereof they

fhall be compelled to divide.

In Kest, where Land is of Gavel-kind Nature, they call their Partition, Shifting.

Partition also may be made by Affent, by Deed, or by Writ. le by Joint-Tenants in com

by Adfan, by Deed, or by Weit.

Partition, in Minte, the Diffedition of the feveral Partiel
a Song, for on the farme Leaf of the partiel
a Song, for on the farme Leaf of the partiel
a Song, for on the farme Leaf of the partiel
a Song, for on the farme Leaf of the partiel
a Song, for the Company of the Company of the Company
and the Company of the Company of the Company
and the Company

and Co-PARTNER

PARTURE THOSE ACT OF THE PARTURE ACT OF THE PARTURE

Cefarens Parrus, is that where the Mother is cut open, and the Child taken out at one Side. See Casarrus.

the Child taken out at mer Side. See Casassus,
FARTY or PARTLE, a Faller, nateed, no Power, confidered in opposite to assorber. See Factives.
Faller has been provided by the Control
Faller has been provided of a Centre, been divided in our
Partent. See Waito and Power.
Faller has be opposed of a Centre, been divided in our
Partent. See Partent
Faller has been provided by the Control
Faller has been pr twenty in Number, if Foot, or fifteen, if Horfe; otherwise they are reputed as Brigands.

PARTY Jury, in Law. See Mr.

In Heraldry. See Party

See MEDIETAS Lingue.

FART, In Hersiday. So PART, HERSIAN DEPART, IN HERSIAN SO PART, IN HERSIAN SO PART, STANDARD grene, &c.

genes, ES.
Semerical orders it to be cured by Revultion, Derivation, and proper Gargarifins. Care is to be taken in the Beginning to prevent the Apodhume.
The Word is Greek, form'd of wach near, and has Gingine.

Gum.

PASCHAL, fomething belonging to the Jewijo Patiover, or the Cintitian Eight. See Passover. See alio Easter.

The Pajobat Lumb is a Lamb the Jews eat with a deal of Ceremeny, in Memory of their having been leought out the Staver in Eight. It though the eaten thanking their Joint Stavery in Eight. It though the eaten thanking their Joint Stavery in Eight. The Stave In Eight and Duties paid by the Passensk Reiting and Company of the Stave In Eight S

PASONAL Rent, are Rents or annual Duties paid by the interior Clergy to the Billings or Archi-deacon, at near Lagler Vifications: They are allo called Symodals. See SYMODALS. PASONAL Letter, in Church-Hillingy, a Crush Letter, which the Partiach of Mesonadria, first, then the Pope, and where the Test of Edger was to be calebrared. See

EASTER. PASQUIN, a mutilated Statue, feen at Renne, in a Corner of the Palace of the Upfast.

It takes in Name from a Cobler of that City, called Pagini, famous for his Stores and his Gibers, and whole Shop was the Refer of a Number of tidle People, who diverted themselves with bantering Folks arthey paid by. The College of the Pagini, famous for the Pagini, famous was the Refer of a Number of tidle People who diverted themselves with bantering Folks arthey paid by.

themslives with bantering Rolls autrop pals'd by.
After Defiguity Death, as they were digging up the Pavement before his Shop, they found a Statue or an arrient Glaitor, well cut, but mismid and half fepild. This they fet up, in the Place where 'twas found, at the Corner of the accessed Malter Payland's Shop; and, by common Content, call'd it by the Name of the Definal.

From that Time all Statistical contents of the Content of the Definal.

From that Time all Satires, and Lampoons are afteribed to this Figure, are put in its Mouth, or passed against it; as if they came from Passini residences. Passini usually addresses himself to Marsforie, another Sta-tes in Rome; or Marsforio to Passini, whom they make

The Aniwers are ufually very floor, peignant, and unlucky:
When Marforie is attack d, Paljanis comes to his Affithance;
and Paljanis is shifted by Marforie in his Turn, i.e. the People make the two Statues (peak just what they please. See
Marforio.

DASOLIVATIE OF PACALITY.

MARRORIO.
PASQUINADE, or PASQUIL, is, properly, a fatyrical
PASQUINADE, of Statuc of Pulprint. See Pasquin.
Libel faffened to the Statuc of Pulprint. See Pasquin.
Term becomes used for any Satire, Lampoon, or Sneer upon the Public, or the ruling

Powers.
There is this Difference between a Pasquinade and a Satire; that the End of the latter is to correct and reform; whereas that of the former is only to footf and expose.
The Incitions have published feveral Books which they call

PASS, PASSADE, in Fencing, a Leap or Advance upon

the Enemy. Of their there are feveral Kinds; as ordinary Poffer, com-

ng from the left Foot out of Meafure of the firm Foot; as when the Enemy is not expected. Others necessary, made after a Pulh from the right Foot; where being so press'd by the Enemy, as not to have Time to retire, you endeavour to feize the Guard of his Sword. The Meafure of the Pajsis, when the two Smalls of the Swords

are in near, as that they may touch one another. There are Paffer, within, above, beneath, to the right, the left, Paffer

Pass of Arms, in Chivalry, a Place which the antient Knights under took of Cetend. E. 27. a Bridge Road, 55. nor to be patied without fighting the Perfors who kept them.

pance winner figuring the Periods who kept them.

The Knights who held the Peff haveg up their Arms on
Trees, Pales, Columns, 82c, excelled for the Purpole; such as
were dispoted to dispute the Peff, woothed one of these Armories with his Sword; which was a Challenge the other was
obliged to accept. The Vanquish'd gave the Victor such Prize
as was before accredion. as was before agreed on.

as was before agreed on.

Pass-Port, a Licence, or Letter from a Prince, or Governoe,
granting Liberty and Sale-Conduct to travel, enter, and go out
of his Ternitories, freely and without Moleffation.

The Pagls-Port is, properly, given to Priende, and the SafeConduct to Enemies. See Sare-Cowpore.

Paglsprint takes Pagls-Port to be used for Pagls-Port-tests.

Paymer takes Paijs-Part to be uted for Paijs-bar-tant. Baijs mentions a very bocourable Paijs-Part given by an Emperor to a Philosopher; in these Terms: If there is any one on Land, or on Sas, having surgely to madely Armanon, in the confider whether is the firing enough to range War worth Crafter. Pass-Part is also uted for a Licence gracered by a Prince for the importing or experting Merchandizes, Moreabics, Ed. without paying the Duties.

Merchants fometimes procure fuch Pap-Ports for certain

Merchants ionneumes procure tuch Pagh-Parts for certain Kinds of Commodities; and they are always given to Embaffadors and Miniften, for their Baggage, Equipage, &c. Pass-Parts is also a Liecceto obtaind for the importing or exporting of Merchandizes deem'd Contraband, and declared fusch by Tariffi, &Cr. as Gold, Silver, pretious Stoors, Ammunition of War, Horfes, Com, Wool, &c. apon paying De-

Pass-Parols, a Command given in the Head of an Army, d thence communicated to the Rear; by paffing it from Month to Mouth.

Pass-par-tour, a Mafter-key; or Key that opens indiffe-rently feveral Locks belonging to the fame Lodge or Apartment. Sec KEY.

PASS-VEX.1, a Fagot, or a pretended Soldier, not enroll'd, whom the Capsain or Colonel makes pass in Review, or Muster, to shew that his Company is compleat, or to receive the Pay thereoft to his own Profit. See Facor, &c.

In France to the own France. See FACOT, Go. In France the Paffe-volants are condemn'd to be mark'd on the Check with a France-de-lis. PASSA, or Passa Uva, in Pharmacy, a Term applied to those dried Grapes, which we call Rassass. See RAISIN. Uva Passas is sometimes also used, with less Propriety, for Figs. See Fig.

PASSADE, or PASSADO, in Fencing, a Thrust or Pask See Pass.

PASSADE, is also a Benevolence or Alms given to poor Paf-In the Manage, it fignifies a Turn, or Courfe of backwards and forwards on the fame Plot of Ground.

PASSAGE, in Commerce, Right of Pathyge is an Impofi-tion which fome Phitece exact by their Officers or Farmers, in certain narrow clofe Places of their Tentroines, either at Land or Sea 3 on all Veffes, Vehicles, and Carriages of all Kinda 3 and even fometimes on Perfons, and Pathgress coming in or going out of Ports, &c.

The Paffage of the Sound, (that famous Streight which car-

The Pedige of the Sound, (but finnous Steeples which car-ters on our of the Grown into the Zhaili, but it me most re-ters on our of the Grown into the Zhaili, but it me most re-ters on our of the Grown into the Zhaili. All Nations who are mid-to into heart, as of 2D mennet, and are mid-tal Zhaili or Commentary. All All Nations who mid-like into the Pedia Commentary, the Shaili of the Commentary of the Commentary of the Commentary by the Texty of 1418, by their faining the other blod of the Steeples ber by the Texty of 124, by their faining the other blod of the Steeples bery below. The Text of 124, by their faining the other blod of the Steeples striving the Commentary of the Commenta

Birds of Passaca, are fisch as only come at certain Scatons, and then difappear again; ptemig fuppofed to \$40 ft the Sea to fome other Climate. See Micaarion.

The Birds of Padings are the Sock, Swallow, Nightingale, Martin, Woodcock, Quail, Us. There are also Figure 7Padings, at Herrings, Mackers, 45c.

figer, as Herrings, Mackers. L. 556.

Mr. Dirkom produces it as a remarkable Inflance of Infline, Mr. Dirkom produces it as a remarkable Inflance of Infline, that,— the flork in the heavent knowath her objective the time of their coming — Jen. viii., No doubt, the Temperature of their coming — Jen. viii., No doubt, the Temperature of the Air, and their satural Properative to bered their County, are the great Incentives to this Mignition in Bath bow thefu untaughts untalgising Cereatures, floud to exactly know the best and of the state of the second their contractives.

proper Seafons to go and come from a Place that would tiruct their Generation, or not afford convenient Food for them and their Young; or how they from'd know which Way toffeer their Courfe, and whither to go; is a difficult Confideration.

their Courte, and whither to go 3 is a difficult Confideration.

\*\*Pop! Theol. L. VII. c. 3.

\*\*Pop! Theol. L. 3.

\*\*Pop! The

Ground again, he raited the other two; and thus alternately) are reg using above a Foot of Ground at a Time.

The Benary of the Padigo conflict in Leeping the Legs a good while in the dair; Jermigh that alder, the Mosion that Legs in the Padigo is the fame as in pacing and norting. Taxanse, in Minist, a House that, but of Tone, constitue, the Control of the Conflict one, two, or at most, three Madistre.

Those what the Raiding cell closures thouse the Conflict one, two, or at most, three Madistre.

one, two, or at most, three Measters.

Thus what the Rassau call course power of the 164 perfis, is a Portion in the Beginning of the Song, confilting of one, two, or three Measture, which is to be limitated in other Notes; not with the fame Strings or Tones, but only observing the fame Metice, Number, and Figure as in the Notes of the first Payfing; which is one of the Kinds of contra pante perfi-

PASSALORHYNCHITES, a Sect of Montanifts in the fecond Century; who made Profession of perpenal Silence, and, the better to maintain it, kept the Thumb continually on their Lips; founding their Practice on that of the Pfainiff, Set aguerd, O Lard, on my Mouth. St. Jerom mentions his having met with fome of em in his Time. See MONTA-

PASSANT, in Heraldry, a Term applied to an Animal in a Shield, appearing to costs, or, to the ordinary Posture of terrestrial Animals. Thus we fay, he bears Gules two Lions Paffants over one

another. In most Beatls, except Lions, they frequently use Tripping,

flead of Paffant.
PASSION, a Term understood of the different Motions, and

minutes of "Joy "".

The manufacture of the efficience Microsis and Appailes of the Social, secording to the different Object that perfect mentificate to the Social's. See Social.

In Propering all door Mentions whereby the Soul is carried remarkable to the Social's. See Social and the Social So call the Paffion

How, or by what Means, this mutual Action and Commu-HOW, OR DY WHAT ARGAIN, THIS MURDAJ ACTION and COMMU-nication between Soul and Body is effected, we are, in a great Measure, ignorant: We have but very obfeure and faint No-tions of any Thing prior, or more simple to refolve it into, ex-cept the immediate Will and Agency of the first Cause itelas. COMMUNICATION, CAUSE

Malebranch defines the Paffour to be all those Emotions misevrence defines the Pafficiar to be all those Emocions naturally arising in the Soul, on occasion of extraordinary Motions of the animal Spirits, and the Blood : In Opposition to those Motions of the Soul which are common to us with pure Intelligences, and which he calls Natural Inclination. See Natural Inclination.

NATURA Institution.

Tho' the Paiffors be indeparable from Inclinations; and tho' a Man be only capable of femilible Love or Harred, because he is capable of friginal Ones; yet does it appear join in that Author to diffinguish between them. Paiffors are much flronger and warmerthan inclusions as their objects are different, and for are their Caufes; 20 femins and Inclinations differ just 80 for the their Caufes; 20 femins and Inclinations differ just 80 for their Caufes; 20 femins and Inclinations differ just 80 femins much as Senfe and Imagination

In Effect, the Paffions of the Soul are Impressions of the Author of Nature, which incline us to our Bodies, and all Things that may be of Ule to their Prefervation: Natural Inclinations are Imprefitions of the Author of Nature, which determine us primarily to love him, as our supreme Good.

primarily to love him, as our fupreme. Good.

The Philoshopters are our greed about he Number and Division of the Philoshopters are our greed about he Number and Division of the Philoshopters are of the Philoshopters

July and Andrews and July and Andrews and July and

Dr. Cleyne confiders the Paffions as either Spiritual or Ani-al: The Spiritual Paffions he defines to be those Sentiments produced in the Soul by external Objects, either spiritual Ones

or material Ones, by the Mediation of the Orimmediately, or material Ones, by the metalation of the o-gains of the Body.

The animal Pafficiars he defines by those Effects produced by Spirits or Bodies, immediately on the Body.

Hence as outward Objects may be considered either as Goods or Evilsy the most natural Division of the Pafficial, which is less consistent of the part of the Children in the con-

or Evilsy the most natural Division of the Palifont, whether Spiritual, or Animal, as they regard those Objects, is into Phesfurable and Painful. And in this Senie all the Palifons may be reduced to Love and Harrel; of which 'ye, and Sur-vow, Hope and Fars; are only to many Modifications, or Com-plexions, according to the various Appearances, Politicas, Sec. plexions, acco

of the Object.

In Effect, all the Pofficial may not only be reduced to two, two Low and Harres; but perhaps, no no., Love, and even that may be all reloived into Stift-love, and that into a Principle of Stiff-proferration, or necessary invariable Define of Plagmenter or Happiness. The Reft are only Rivaleus from this Source; or Ipocial Application of this Principle to particular

Occolons. The Define of any Thing under the Appearance of its Geocheck, Statakineth, or Norellity to our Happinetis consistent of the Control of the Control

the of another's Puniliment, Resourge or Makee, Sec. The fingle Defire of Happinels, then, is the Spring or Mo-tive of all our Palfors; as those acceded all our Actions. Some wife and reaflowally as those acceded all our Actions, Some wife and reaflowable Metive, or End of Action, Jay Dr. Mor-gon, is certainly necediary to all wife and reafonable Action; is or act without a Monley, would be the farm. Thing as not to act at all, that is, fuch an Action could assiver no further or better End than not acting; and confequently the Action, as well as the Agent, won'd be fo far infignificant and uselefs. He who shou'd have no Object at all of his Love or Aversion Hope or Fear, Joy or Grief, must be simply and purely indif-ferent to all Action; and confequently must either be in a State of perfect Reft and Inaction, or in a State, equivalent thereto; wherein the Actions of such a Being could be of no more Significancy, than the uncertain Fluctuation of an Atos or the Whiveting of a Feather in the Air. The natural, or occasional Cause of all the Passions, Ma

The natural, or occasional Caufe, of all the 'Deffinest, Musichered makes to be the Medica of the natural Spirits, Musichered makes to be the Medica of the natural Spirits, Musichered makes to be the Medica of the natural spirits of the Body and Mind may measurally spirits each other on this Occasion, it being the Order of the Creator, that our Willie be called the Order of the Creator, that our Willie be the Order of the Creator, that our Willie be the Order of the Creator, that our Willie be the Order of ble or noxious to the Body.

Tis a continual Impression of the Will of the Creator, that This a continual Imperation of the Will of the Greator, that unites us thus inimisately to a Piece of Matter, and occaffoor bis Reciprocation of Motions and Senfations: Were this Imperfision of the Certar's Will Hippended a Moment, we fhoad be delivered from all Dependance, all Patilines, Sc. For, what People unfailly imagine of a necellary Connection between the Motions of the Spirits and Blood, and the Emotions of the Soat. is inconceivable

Some little Parts of the Bile, fay they, move with fome Violence among the Fibres of the Brain: Therefore the Soul Violence among the Fibres of the firmin: Therefore the Soul must necessarily be against owith foune Telffons and this Telffons before the Anger, rather than Love. What Kelation can we conceive between the Faults of an Enemy, a Telffons of Contempt or Hatted, and a bodily Motion of the Parts of the Blood, flinking against certain Parts of the Risari How can the Unitary the Contempt of the Telffons of the Risari How can the Unitary that the Telffons of the Risari How can the Unitary that the Telffons of the Risari How can the Unitary that the Telffons of the Risari How can the Unitary that the Telffons of the Risari How can the Unitary that the Telffons of the Risari How can the Unitary that the Telffons of the Risari How can the Telffons of t on or Alliance of two Things to different as Spirir or Matter be effolied, but by the omnipotent Will of the Author of Na-

Tis a Point, about which the Divines and Philosophers can never agree 4 whether this Relation and Connection of Thoughts of the Mind, and Motions of the Body, be the Gift of Nature, or the Punishment of the first Sin? And whether the Passes be the Infiltration of Nature, or the Corruption thereof. In-deed, confidering the good and wife Purpoles the Paffins ferve, and that abfolute Necessity they are of; 'ris surprising it shou'd ever be doubted, that they are effectial to human Na-

This Union or Relation is found in all Men; but in diffe-This Union or Relation is found in all Men; but in different Degrees, and of different Extent, according to the different Temperaments, Conditions, Ages, Sexes, Occasions, Ohickels, 185. E. Bg. T. Thus, our Union or Relation to fentile Objects we have feen, is flronger than that to Things we have only heard talk of. And thus the Great have a Relation to many more Things, than others, their Slavery is more exten-five. A General, E. gr. retains or has a Relation to all his Soldiers, as they all respect him; and 'tis this Slavery that u finally occasions his Generofity: The Defire of being effeem'd by all in whose Sight he is frequently, obliges him to facrifice more reasonable Pleasures.

moor restonable Picatures.
"Tis thus throughout the World! Vanity animates Virtue, otherwise we should never have such Lengths gone. Again, Children don't mind the fame Things with grown People. Women look no farther than their Families and Neighbourhood: But Men retain to their whole Country; 'tis for them to defend it; they mind Honours, Offices, &c. Nor is there a less Variety refulting from the different Circumitances and

imployments of People.

The Difposition of Mind in a married Man differs much The Impedition of white is a matrice with incident must from that of a Batchelor. The People in Monaliteries have both the Mind sad Heart rum'd very differently from People who live in the World. They are unified to much fewer Things; but then the Attachment is much clofer and fitronger. Their Pufflows more in a little Sphere; a and like the Sun's Rays, in

but hen the Ameshance is most cleffer and fineages. Their accounts Lors, in callimbod, as it were, in a Pintz., In accounts Lors, it and established in the property of the Company of the Senfation of Joy, or inward Satisfaction, which detains the Soul in its Paffon, and artefts its being in the State it ought to be h Regard to that Object.

with Regard cohart Object.

Passenset, in a View to Medister, make one of the first behavior of the bright to Health or Diffestle. See Noos-aven a.e. the different weight of the Confession of the first and Medister, this characteristic seed of the first and Medister, this the services Elevents Sections, and extension, the services Elevents Sections, and extension of illustratedy where self central Sections, and extension of the services and the services and the section of the services and the services are services and the services and the services are services are sind excised in the Mind brown the bare Consideration of an Object will imprecial soulour Motion on the Organs. And, on project will imprecial soulour Motion on the Organs. And, on the Organs will be of the Organs with the Organs will be of the Organs. The paint at the Mind, or as pleat that Sendition in the Mind, from the mere Contemplation of an Object, will be followed with a like early paled Underdine of the Organs. The paintal Pofffort, then, as well as boddly Pain, myreaf the nervows IT means that the Organs will be of the Organs with the Organs will be of the Organs with the Organs will be organized to the Organs.

alternately into forcible Contractions, and Dilatations, firengthens and increases their mulcular Force, and Action threeghess also increases trear muteuist power, and actions. While them his Pain or Uncessfined Deliver, assered to the White them his Pain or Uncessfined Deliver, assered to the them to the paint of Deliver, assered to the Paint of the Pa the Unesidedi samex'd to the Palifion is too violent, fuch a continual Stimiting will gradually derive a no great Proportion of Blood to the Himalated Organs, by which the Velfes will be over-fireth'd, and dilleneded, their mufular Force gradu-ally impair'd, and the Empilierium of the Blood and Juices be interrupted. And theory, from a more pairful Scridison, will artic a complexated Train of bodily Illenties and Pains, in Con-fequence of the clashiful of Laws of the Union and Communi-ries of the Community of the Community of the Community of the Community of the Union and Communication of Soul and Body.

eachen of Soul and Body.
Again, while we are eating off the Unradiect of Delice,
Again, while we are eating off the Unradiect of Delice,
Again, while we are eating off the Control
and the Congrey of the Congrey of the English of the
Bod toward them is directed, and the Englishims recenter, and termine in mer Indolecte, which difficult is
been a superior of the Congrey of the Congrey of the
Perfor to Rell and Indicos will the Revens of from Irith
Perform to Rell and Indicos will the Revens of Food Irith
English of the Congrey of the Congrey of the
And this is the Circle of animal Lifet as the Simular of
Delice thewor of the Indolecte of Rell, and excise to Alfany.

So the Gratification moderates the Pain of Defire, creates a Pleasure at first, and then terminates in the former Indolence and Inaction; till fresh Desires returning, stimulate to farther

Action, and continue the fame Resund.

Dr. Cheyne divides the Paffion, into Acute and Chronical; after the fame Manner, and for the fame Realon as Difeafes

are to divided

are to divided.

The Mante Poffont, whether pleafurable or painful, he observes, have much the same Edick, and operate after the fame Manner as Mante Diffords, and operate after the fame Manner as Mante Diffords do. They chick a brink Circulation of the Fluids, and conditinge the Solids for some fiber Time. Thus, funder ugits of Joy of Grief tilmulate the Nerwous Fibros, and the Coats of the Animal Tubes, the Nervous Fibres, and the Costs of the Animal Tubes, and thereby give a greater Celerity to their included Flaids, and the Functions of the Heart and Lungs being involuntary, they have their more necessary and immediate Effects on them. Thus, both fudden Joy and Grief make us Breath floort and quick, and render the Pulle finall and frequent. short and quick, and render the Pulle small and trequent. The retaining our Breath somitime to reflect more intensity on any painful Object, forces at length a strong Expiration, which becomes a Sigh. Thus a sindlen painful lock, making a quick Circulation, and thereby throwing a great quantity of Blood upward, makes it appear in the superficial Vessicial of the Face, Neck, and Breast, and so produces a Bings. The the Face, Neck, and Breaft, and fo produces a Bloft. The fame Principles will account for the effects of Fear and Anger, name y incipies will account nor me emercial read and inger, which make us change Color, and look Red or Pale as the Blood is accelerated or resarded in its Couric. Sudden, and to great lear to Go convulle the Nervous Syflem, that they fometimes where the Polition of the Parts: 'I has to Hair thail Hand an ead in a Fright, and the Nervos be rendered fo fulfill.

fünd in med in a Fügist, and the Nerres be render? fü füllf and rigid, an to fing on ence ha Amini Fencilion, where and rigid, as to fing on ence ha Amini Fencilion, where the Nervous Sydem godes! The Nervous fine of Fundament of Full and the Nervous Sydem godes! See the Sing facin See of Edeas in the Imagination, mult be womout and imparlet, and the reli. by dillet, renderd reity and was imparlet, and the reli. by dillet, renderd reity and was and here Nourillineau. Thus does long Grief, dash Melascholls, hopefal Concre Weening, Fullet, 66: Imaginat in Melascholls, hopefal Concre Weening, Fullet, 66: Imaginate in Melasch, the Resident is, that a couldnut laike of faining on the fight of the Sydem S nefa the Reafon is, that a continut Habit of fixing on Thing in the Imagination, begreas credy Difficilition in the Network of the Section of the Section of the Section Network of the Section of the Section of the Section of Motion of the Hauer. Thus the Enquery in India fix one or both Habit by long holding 'em up, fo as that they cannot be section of the Section of the Section of the Section of But Dr. Morganic tension to have goes almost beyond any Body in cryslating the Opini, and effects of the Patition. From a Coarle of a their Differentiator of the Everna Photon-tion of the Section of the Section Photon-

sees in the Eody, which attend the feweral Position, viz. The State of the Pulle, Refpiration, Warmth, Digettion, Se. that ingenious Author these general Conclusions:

I. That all the grateful, or pleasurable Passions raise the vital Tide, strengthen and quicken the Pulse, distuse the navital 1 side, strengthen and question the Pullet, distribute the na-rural Heat, and taske off any anetocednet Strimiths; of Prefilure upon the Abdomen and inferior Organs: And, on the con-teary, the paintiff Pofflows link and depress the Blood, weaken the Pulle, recall and conceuter the natural Heat, and fix a Sti-exulus or Compression on the inferior Organs.

II. All the Poffices impress their characteristick Sensations, or Modifications of Pleasure and Pain, especially upon the Orsphagus, and upper Orifice of the Stomach.

III. That they imprefs their different Modifications on the Mutcles of the Larynx, and thus difcover themfelves by the dif-ferent Modulation and Tone of the Voice.

fected Order: The Nerves which ferve the Mutetes employed in Refinitions, and have the nearff Communication with these of the Par Voguns, by means of the Intercollal, he calls Partended of the third Order; and, the Nerves which immediately diffused Senfe and Motion to the Feeral Parts of the Head, and have a remoter Communication with the Par Voguns, the Particular of the Intercollage of the Intercollag

have a remoter Communication with the Part Naguns, never-thesisks of the partie Order. See Naguns.
According to this Gradation, then, the Opara which are immediately luppled with Nerves from the Part Naguns, or Pasthricks of the first Order will be first affected in the Paf-gins, and with the final elib Degree of impress did whoten, with which the Parts communicating immediately with the inter-colla, of Found Order of Partiestels, keep Pace and are al-

tion is not aways unstorm or equally districted thro' the whole practice 'glient' gives tratel length and most numerous Branches practices' glient gives tratel length and most numerous Branches rives that Blood from the defending Trush of the Afren, on the Stomach, Splogen, Kildery, et S. open any Medica no too facibly imperfed or too long continued, their interior Organs are the first and general Sulferens, where the Blood flowing impersonly and irregularity to the Parts thus filmstired, they Committee.

Opprefilion.

By this means the Head and Superior Parts being deprived of their due Share of Blood, the Pulfe mult fink, the natural Heat diminish and retire, and a Senfe of Cold and Contincition Heat diminist and felies, and a cent of Good and Contraction be fell about the Offipheau, where the Branches of the Par Va-gions are very numerous: And hence the Patient will be excited to fish, groun, mons, cryous, and complain, and different in the Lone of the Vucke, and Mediantion of the Multice of the Large of the Sucke, and Mediantion of the Multice of the Large of the Sucke, and Mediantion of the Multice of the Large of the Sucket of the Parvalling Paglion.

Laryns, the Chamiclamilicia of the prevailing Palifies.
Such is the Sure of Nature under the palified Palifies,
where the fringe Dadie of Good is numerical with an Appearance,
where the fringe Dadie of Good is numerical with an Appearance,
where the fringe Dadie of Good is numerical with a familiary of the tow towns of the Daties, and taking of the tow towns of the Daties, and taking of the tow towns Atlant on the partial particular of Laryns and Allon of the partial particular of Laryns and the Dadies of Laryns and the Dadies of Laryns and Lar or man-men, and Men in a Fright. In this Cafe, the Stimulus of Define being exceeding firong, and the imprefied Mexica universitals the partners Servers of the fourth or last Order come to be afficiled; that is, the Organs of Senfation and Imagination in the Brain are brought into fuch violent Vibrations, as to diffust the Operations of Reafon.

And from this violent Dec.

fone other violent \*\*Pojene\*, and thus for Subjects is knows are faind. See NANATION.

The \*\*Peffons be always necessary, yet, all are not equally nonethary, or fundable to all. Comedy has Joy, and appreciable Surptime for its parts: Tragedy on the contrary, has Terror, and Compatition. The proper \*\*Pojeno\* of the Epopea is Admiration; that the Epopea, as a Medium between the two driver, takes in both their Kinds of \*\*Pojeno\* is as of every the subject of the Epopea. Grefs of the fourth Book of the Annia, and the Games and Di-vertors of the fifth. Admiration in effect, is conflictent with each, we admire with Joy the Things that furprise us agree-ably, and with Terror and Grief those that amazo and afflict us. Brides the general Pafficon, which diffinguishes the Epic from Dramatic Poema; each Epopea has its peculiar Pafficon, which diffinguishes it from other Epic Poems. This peculiar

felded shrould as the funct Time, and with the func Mexims. Poffice full indirary the Character artist. Henr. Then World.
Then the Olgons finglised with the third Order of Patientics, and Termer engin in the Hand, better the Character of the Section of the Mexical and Kefferinion, are also depended in the Walledon of Mexical and Mexica in the The Character of the Section of Section o

in by, and the your Anger at first, you'll be as ridiculous, and will have as little Effect, as Jists in the Metamorphotes; in whom the ingenious Over gives a fine Esample of this falling. He begins his Harangue in the Height of Passion, and with the most victory. Engurs below W. Hudnes in the density of the control of the passion of the control of the passion of the control of the control of the passion of the most violent Figures, before his Judges, in the deepest

Listora prospexit, classemque in Listore, vultu;

Protending manus, Agenous prob Jupiter: inquite Aute rates causem. Someons conserver Unifer. The necessary Diptointons arise from some preceeding Discourse; or, at least from some Action, which has already

Difcourfe; or, at least from foure Action, which has already begun to raife the Passow 'rer they are mention'd. The Orators themselves, founctions use this last Means: For the, ordinarily, they don't raise the Passow till the End of their Discourse; yet, when they find their Audience already moved, 'room'd be riddenloss in 'em, by an unfeatonable Transition, the passow is the passow of the p

moved, 'two'd be ridiculous in 'ea, by an uniscineable' l'aru-quillity, to ly' en gantième sente to the Senart, the Fa-thers were to Bock 4d at lus Prefence, that those near the there were to Bock 4d at lus Prefence, that those near the Contini-Coefficia, Gown had considered, and let him abore. On this Coefficia, Gown had concluded the Coefficial town with the dual Transpullity and Coefficial Excellents By this Meens he'd have pailed and about the Endigantion to Episte 100 and 100 and 100 and 100 and 100 and 100 and to Episte 100 and to Episte 100 and 100 an to fight up, and inflame; and wou'd have said the Particular of that Conditrosation, the Behaviour of the Sentators had given him; and which it was his Defign to aggravate. Omisting the said of the ibil, &c.

start, Sc.

The Poets are full of Inflances of this Kind; where the Pelfon is prepar'd or kept up by Actions. Dids in Firgil Sec.

But then the Motions are here well difficed in 1th the, at the School But then the Motions are here well difficed in 1500 is before reprefered under terrible apprehendions of Emmission quantum graphs.

whom the Greek pecupitated from the Top of a Towers what booted it to tell them, that of the Speckators who crouded from all Quarters to fee the Execution, fome placed them-felves on Stones, which the Ruins of the Wallo occasion'd to Project; that others shook their Legs, as being placed non-high, Co. Alla Rufes, cripis 'Commune erella fammus tur-ba illumit peles. Ec.

The fecond Thing required in the Management of the Paf-fions, is, that they be found pure and difengaged from any Thing that might prevent their Effect.

men my une mye wotten pure and clirengeed from any Tampy har might prevent their Bricking of Khibes, a transport melling there will be to test, or Kilheriet, mult be woolded. All Advenuers much between and difficult to conceive, we at once excluded. That comments are not to be sufficient to the support of their conceive for their conceive for their conceive for their conceive for their Pollinett. The Soul multi-be free and difficulty of their production of their conceive for their Pollinett. The Soul multi-be free and difficulty on the Pollinett and their conceive for their co

fafguaded with finne Vietnees, exceined by Adminston. Not east they be in either of the Gissustons, unlike Feer calls 'em from the outer Faun' of the Bedy, to affirmle 'can allow the Harmarch Aug Fends 'em into the Malties, madine' can live the Harmarch Aug Fends 'em into the Malties, and Feer Carlot The Candins and Helichi, therefore, of the Palfons in the Sool, are to be shaded, to be able to manage 'em with all their Peers. Firght families was linearly end with all their Peers. Firght families was linearly end with a distribution of the Candins and Palini. See the East 17.
PASSION in Hendridy, or the Copf of Papins, Conf. than called, because, in Shape of third hand the Palfons, in the World Candins and Palini. See the East 17.
PASSION in Hendridy, or the Copf of Papins, Conf. than called, because, in Shape of thirt hand better law of the Palfons, and which the Candins and Palini.

with Arms fhort in proprotion to the Length of the Shaft. See

CRO PASSION-WEEK, the Week next preceeding Eafter. Sec EASTER. It is thus call'd from our Saviour's Paffon, i. e. his Crucifixion, which happen'd on the Friday of this Week, now call'd

Good Friday

Histo PASSION. See It 140 Paffion.
PASSIVE, a term of Relation, implying a Thing to fuffer, or undergo the Action of fome other; which in respect hereof isdenominated Affice. See Acrive.
In all Generations, the School Philosophers conceive an

or isdenominated Affiles. See Actives.

and Generation, the School Philiophers conscive an all Generations, the School Philiophers conscive an Intelligible of the School Philiophers of the School Philiophers of the Intelligible of the Intelligible of the Intelligible of Intelligible of

pulse of Grace gives Motion to. Id.

Passive in Grammar, is a second Voice, or Inflexion of Verbs, which of Active breeme Pasitive, by affirming, in the modern Languages, new auxiliary Verbs, in the Ancient, by new Termination. See Verbs, Volce, &c.

modern Leaguages, new structury verse; a mer. Ascenti, by T. The 2000 for the beauty Parigo, by thing the auxiliary Verb I me. In itse of I have, whereavish the Astiries are conjugated. The Farmed by Spring, in case of Frys; the Presentation; as American and the Conference of Francisco, and the Conference of the Conf

Some admit of no genuine Passive Verbs in the mod Tonques; fuch we mean as answer to the Notion of Passives in the Ancient, where all is done by different Terminations. On which feeting, there should be none but Actives Passive

and Neuters Taifve.

PASSOVER, a folemn Feast, celebrated among the Jeves, on the fourteenth Day of the Moon next after the vernal

on the fourteenth Day of the Moon next after the vernal Equinons. See East."
This Feaft was called by the Anchez Latins and Greekt
Pafelots not from selected little, as Latlemans weakly imapines; but from the Hebrew POB Pelahi, Pattings, Leaps,
the Ichiga of the Feath being to commercement the deflaying
Angels patings core the Houles of the Hebratins, when he entered in, and definerly die fielf bom in table of the Egyptinus.

Yet, many weakly imagine that it was in Memory of their young the Red Sea, that this Pafforer was inflituted; the' this certain the Feaft was held, and had its Name before the

If alives took a Step of their Way out of Egypt; and confe-quently feveral Days before their passing the Red Sea, Beside the Passour colcumed on the fourteenth of the first Month; there was a fecond Possover held on the fourteensh
of the fecond Month after the Equinox, indicated by God in
favour of Travellers and Sick Persons who could not attend

at the first 1 nor be at Jernfalem on the Day.

The Greeks, and even fome of the Catholic Doctors, from that Jefus anticipated the Day mark'd for the Paffover in the Law; but the Authority of three Evangelists feems to evince

Pafforer on one Day, and the fours on another. See SAMARS

PAST-BOARD, a kind of thick Paper, form'd of feveral

Sheets patied together. See Paper.

There is also a coarse kind of Past-beard, made of old Pa-

per and old Paß-beard, besten in a Mortar with Water, and reduced into a kind of Pulp; to which is added a little to give the Mafs a Confidence ; after which it is form'd Patte, to give the name a commune catter when it is sormet, in a Mould's and to finth its, Isid in a Perels, to fiqueze out all the Water, and reduce it to its proper Thicknefs. Each Kind is dillinguished by Namerok, which express its Fineness and Value: The finest is cover'd on both Sides with a very white fimouth Paper, others only on one Sides and a very white fimouth Paper, others only on one Sides and

a very white fmooth raper, oneers only on one sides and others on both Sides with common Paper.

The chief Ute of Path-Rows is in the Binding of Books, Letter-Cafes, Hat-Cafes, Glores, §cs. See Book-BINDING.
PASTE, in Cookery, a fort Composition of Flower, wrought up with proper Paidd, as Water, Milk, or the like, to ferve as a Cafe or Coffin, therein to bake Meats, Frinisk.

It is wid occuronary for meaning one cases, of Pyes, &F.
This they make Aimend Pailes, Apple Pailes, Apricock
Pailes, Cherry, Carran, Lemon, Plum, Peach, Pear Pailes,
Parx, is allo and for a Preparation of Wheaten Flower,
Parx, is allo and for a Preparation of Wheaten Flower,
Parx, is allowed the Preparation of Wheaten Flower,
Park, and Pailes, Pai

pers, &G.

PASTERN of a Horfe, the Diffance between the Joint next the Foot, and the Corners of the Hoof.

This Part fhould be floor, effecially in middle find Horfers, because long Pafterns are weak, and carnot fo well endure Travel.

endure Travel.

The Paffern-Joint, after travelling, is apt to be crowned, i. e. to have a Swelling round it beneath the Skin, in form of a Circle 4 an Inch broad.

P ASTIL, among Painters, &. a Sort of Pafle, made of feveral Colours, ground up with Gum-Water, either together or feparately 3 in order to make Crayons to paint with on Pa-

per or Parchment. See CRAYON.

Partit, is also used for a dry Composition, yielding a fragrant Smell when burnt in a persuming Pan, to clear and cut the Air of a Chamber.

It is composed of odorous Refins, mixt with Aromatic

Woods, or Drugs pulveriz'd, and incorporated with Muciages

of Gum Tragacanth.

Some call em Offekes of Cyprus.

There are also Pagiis for the Month, eaten to procue a

Fuecal Recenth.
Thefe have freenth Numes, and confill of feveral Preparation. Thefe have fines, Conference, General, Gen

d dry'd in the Stove PASTINATION, a Term fometimes us'd in Agriculture

PÅŠTINATION, a Term fomerimes wid in Agricultur, for the AG of opening, loofening, and preparing the Exist for the AG of opening, loofening, and preparing the Exist FASTORAL, fomerhing that relates to Shephredt, 1976, Part. The Post reprefers the phylograd Life, and polyar Mamors in the mod agreeable Light. We must ase images Mamors in the mod agreeable Light. We must ase images Mamors in the mod agreeable Light. We must ase images Mamors in the model agreeable Light. We must also support Mamors of the Mamors of the Mamors of the Mamors of the Partonata, in Portry, a portical Plete, the Subcell-whereof is fomerhing in the Polylord, at least the turnal Life, and the Perion Subspecting, at least Rettlex. See Ports, and the Perion Subspecting, a least Rettlex. See Ports,

PAT ( 763 ) PAT

Most Aurhors, except the English, esteem Pasteral of the Dramatic Kind; and define it a Dramatic Piece, the Persons whereof are clad like Nymphs and Shepherds, and act their whereos are used the symphos and one paeres, and are their oun Amours.

The Scene is always in the Fields or the Woods; whence Tagle calls Paltoral, Fable Becagere, such are the Poplor Field of Gistrini, the Amints of Taffe, the Sylvils of Missor the French Poet; the Comm of Misson,

EG. Taffy affirmes to himfelf the Honour of having invested Pof-toral; but the first Idea of this kind of Drams feems to be Becarry Due, who made the first Attempt of this Kind in 1552. But Taffy? Amen, which did not appear till the Xear 1575, efficieng what had been done by Becarri; the first Awhen was Genera and Taffy the Inverse.

Year 1973, efficing what had been done by Becker's; she fait Author was togget, and Zaffo left the Inventor.

It is created in Kind of Pofforal Fable, composed accord-ing to the Kules of the Singe, was whatown among the An-ing to the Kules of the Singe, was whatown among the An-ing the Singe of the Singe of the Singe of the Singe Shepherds in their Eclogous; but these Eclogous had cooling Theatrical in 'em's nor were the Singherds ever brought upon the Singe. See Ectooux.

This Kind of Dramatic Paffords is fill! but little known

among us; nor have we any Thing confiderable under the Title of Pafforsis, but Country-pieces after the manner of the Eclegues or Idyllions of the Ancients. See IDYLLION. Every Pastoras, however, even in this last View, shou'd have a little Plot, or Fable, which may deferve the Title of a Pastoral Scene. It must be Simple, and but one; yet, not to as to re-fuse all Digressions, provided they be but small. 'This Rule of the Plot is every where observed by Virgil.

PASTURE Ground is that not cultivated; that is, seither Meadow, nor Arable; but referved for the feeding of

Cattle. The best Domains are those consisting in Passure, they need no Tilling. Holland is a Country abounding much in

PASTUS, the Procuration, or Provision which the King's, or Lords Tenants, are bound to make for 'em at certain Days, or Seafons, or as often as they make a Progress to their Lands.

This, in many Places, has been converted into a pecuniary Fee; as in the Procurations of the Clergy. See Procura-

PASTY, in Cookery, a Work of Pattry; being a Prepara-tion of fome proper Meat, as Beed, Venifon, Lamb, or the like, well boned, beaten up to a Palp, and highly featon d y put up in a Patle, and then baked lian Oven. They also make Veal spaties, Umble-pasties, Kidney-past-size Moroux-differ, 186.

They alto make Veal-pagies, Umite-pagies, Anney-pag-ies, Marrow-pagies, Ed.
PATAVINITAS, among Criticks and Philosphers, a Fault objected to Vitus Levy, which he de-rived from his County Padas, Paravina.
Afterity Polos, as we are informed by Quintillian, tax'd Afterity Polos, as we are informed by Quintillian, tax'd

Livy of Patatonity: What this Patatonity conflided in, has given the Criticks a World of Pain. Pasts Bent, Professor of Eloquence in the University of Pa-tins, is of Opinion, it must be understood of the Inclination of that Historian to Passbey's Parry; But wou'd Pasts have reproach'd him with an Inclination from which he himself

was not exempt? Pignorius will have the Patavinity to confift in Livy's re-

taining the visious Orthography of his Country-men of Padua; who wrote fibe and quafe, for fibs and quaft, which he proves raining the vicious Orthography of ms Longuty-mean or artisons, who wrote file and queely, for file and queely, for file had queely for this he proves from feveral ancient Interprison.

Pa. Refin, takes the Passentity to be only a faulty Promuclation, which finck d the delicate Ears of the People in the Court of Mengritus; and favored a lattice of that Courty.

and from Phatics promits as the Orbital of the Courty of the Phatics promits as the Phatins of the Phatins

and tome Phraiss peculiar to the Passing.

All we know for certain, it, that it was a Fault in the Language of Levy, not in the Sentiments or Manners. In all probability, it is one of the Delicacies that are lot in a dead Language.

M. Balasse and not ridicule his Dotard better than by tappeding by ralacd himfelf on having different than the Passinity objected by Pallio to Livy.

The state of the Passinity objected by Pallio to Livy.

Don. Georg. Markolins, has an express Treatise, De pa-tavinitate Liviana, Printed at Kiel in 1685; where he ex-plains, very learnedly, the Urbanity and Peregrinity of the Laun Tongue:

PATE in Fortification, a kind of Platform, like what they call an Horfe-floor, not always regular, but generally Oval, ercompaffed only with a Parapet, and having nothing to flank it. See House-Stroe.

It is usually erected in Marshy Grounds, to cover a Gate of

PATEE, or PATTEE, a Term in Heraldry for a Crofs, finall in the Centre, and widening towards the Extremesjas in the Figure adjoining. The Field is Sable, a Crofs Passee Argent, by the Name of Crofs. This Form of a Crofs is called also Former, See FORMER!

See Forkers:

PATELLA, in Anamony, a Bone which covers the Forpart of the Joyze of the Knee; call'd alio Mode, Ranke,
The Patels is a smoothly on the Colon, converted to the
Figure of a Shield, coverd with a finoch Cartinge, and a
beautree John to Dimentery over it did the Tendon of the
Makles which extend the Log, as on a Trachler, of Pullyr
Makles which extend the Log, as on a Trachler, of Pullyr
Log and the Colon of the Colon But its more immediate Use as to mades the Log from one in best forwards in Extendion; which would of nexclifty be the Cafe in this Arricalation, did not this Bone, like a Boifter, check its rolling forwards, as the Observations does the fwing of the Cohirus backwards. See Observations

In an erect Pofture, when one Fnot is fet forwards, the whole Weight of the Body bears on the Patellas which in this Situation, hinders the Knee from bending backwards,

this Stunion, hindere the Kines from bonding inclusions, and thinning the Model or the riflect it behalf of the bolds. The bolds of the

bishment, or the use. See LETERS Patents,
They have their Name in opposition to Letters de Cacher;
hexaut deliver'd open, us passant commbus; whereas the other are fealed. It is to be noted, that Patents differ from
Write; and that a Coroner is made by Writ, nee by Patents.

See WRIT. PATENTEE, is he, to whom the King grants his Letters

PASENA, smoog Antiquisties a Geblet, or Veffel, ufed by the Rossess in their Sacrifices; wherein they offer'd their conferrated Meats to the Gods; and wherewith they made Li-bations. See Sacrifice and Lizarion.

bations. See Sachiffee and Libarion.

On Medals, the Pattris item in the Hands of feveral Deities, and frequently in the Hands of Prince, to mark the Sacredond Authority, joind with the Imperial, 15c.

Hence, F. Poshert offictree, that befide the Pattris, there is frequently an Altar upon which the Pattris feams to be a

is frequency as a sea of Gold, Silver, Marble, Brafs, Glafs,
The Patera was of Gold, Silver, Marble, Brafs, Glafs,
or Earth; and they us'd to enclofe it in Uras with the Afters
of the Deceas'd, after it had fery'd for the Libutions of Wine

and other Liquors at the Funeral

The Parers is an Ornament in Architecture, frequently en in the Dorick Freeze; and the Tympans of Arches. The Word is form'd from the Latin Paters, of Pates 1 am

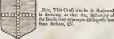
open; and parent, because it has a great Aperuse; in con-tradilitiotion to Bothes, & which have only narrow Necks, or whole Aperuse is less than the Body of the Vellel. PATER-NOSTER, the Lors's Proper; a Form to call'd from the two linital Words theteol.

PATER-NOSTER is also us'd for a Chapelet or string of eads; because, serving to Number the Rehearsals of that

Prayer. See CHAPLET.
PATER-NOSTERS, in Architecture, are certain Ornaments
placed underneath Ovolos, cut in form of Beads, round, or

Oral. See Bead.

PATER-NOSTREE in Heraldry. A Creft Pater-nofire, is a Crofs, made up of Beads, as in the Figure adjoining. See CROSS.



PATERNITY, the Quality of a Father. See FATHER.

There is an immediate Relation between the Paternity of the Father, and the Filliation of the Son, in the Myslery of the Trinity, Sec TRINITY.

The Divine have a long Time diffused, whether Paterialy be a real and Specific Character, which abditutely dillinguishes have been been so long on whome the amount of the paterial of the pat

that describes it; that is, to that Place's Distance from the

that deferiors it; that is, to that Place's Dittance from the Pole of the World. PATHETIC, fomething that relates to the Paffons; and particularly, that is proper to awake, or excite them. See

The Pathetic, and the Sublime have a near Affinity. See Sublimer. See alfo Style.
The Word comes from the Greek #43ag Pasifies.

PATHETIC, in Music, fomething very moving, expressive, affionate, capable of exciting Pity, Compassion, Anger, or paffionate, capable

In this Senfe, we say a Patheric Fague, Patheric Song, Sc. The Chromatic Genus, with its major and minor Semi-tones. The Caronisas Ording, with its major and minor softments, either afcending of defectading is very proper for the Pathetics as is also an artial Management of Dilcords; Variety of Motions, now brisk, now languithing, now flow, Niecostifi, tells us of a Mulician at Grossa, who excell in the Pathetic; to that Degree, that he was able to play any

in the Patterns; to that Degree, that he was able to play any of his Auditors into Diffraction; he adds, that the great Means he made Ufe of, was the Variety of Motions, St. PATHETICI, in Anatomy, the fourth of the ten pair of Nerves, which arife out of the Medulla Oblongata. See

Nanvia.

The Pathetici are the finalleft Nerves of the Brain 1 they have their Origin in the lower part of the Medulla Oblongate, behind the Nates and Telles.

They have their Name Pathetici, from their ferving to move the Eyes in the various Pattiens; and are by some call'd Amatérii, from the great Use made thereof by Lovers, in Colline 2007.

Esc. in Ogling, &c.
PATHOGNOMONIC, in Medicine, an Effential Sign of PATHOLICANOMONIC, in Medicine, an Effectial Sign or Charakerific or a Symptom peculiar to, and infepratible from fome Difeate; and every Stage thereof, See Symptoms. Thus Blanchard, and after him Harrit, St. But the Truth is, there is nothing in all Medicine that Antiwers to the Idea

is, there is nothing in all Medicine that Answers to the Idea of a Pathognomonic; Difease and Symptoms are too compli-cated. See Diagnostic.

catcu. occ DIAGNOSTIC.

PATHOLOGY, that part of Medicine which confiders

Differly both thoic of the Body, and the Mind; their Natures, Cautes, Symptoms, Ed. See Diss. Des.

The Word is form of from the Greek wides Paffice, Suffering, and 8-yes, Diffeourie.

ing, and Myst, Difcourte.

PATHOS, a Greek Word, webbet, fignifying Paylors and
in speaking of the Movements, which the Orator excites in
his Audience.

Output in his Difcourse.

There is a World of Pathes in his Difcourfe.
We fornetimes also Use the Word for Energy or Street

PATIENT, among Physicians, a Person under the Direc-tion of a Physician, or Surgeon, to be cared of some Direct-PATIENTIE Museum, in Anatomy. See Lavaron

PATONCE, in Heraldry, a Croft Patonce, a

PATONCES in Arraidry, a Croft Passuce, a Croft of the Figure adjoining. He bears Gules, a Croft Passuce, Argent, by the Name of La-timer. It comes near to the Croft Flory, and only differs in fome Circumflances of the Ends. See Fronx.

PATRES Conferifiti, in Antiquity, a Denomination given the Senators of Rome. See SENATOR, PATRI-

CIAN.
The first hundred Senators appointed by Remulus, were called simply Patres, Fathers; another hundred being added by Remulus and Tains, upon the Union of the two People; the latter were call'd Patres minorum Gentium, and the rmer Majorum Gentium.

At length, Tarquinius Prifess making up the Number 200, the two latter Claffice were call'd Patres Conferipti; he-caute, Aferipti wrote down to the former. caufe, Afferipti wrote down to the tornace.

Those afterwards chosen from among the Knights, were

PATRIARCH, one of these first Fathers who liv'd to-

wards the Beginning of the World; and who became famous by their long Lines of Defcendants.

Abraham, Iface, Jacob, and his twelve Sons are the Patri-arches of the Old Teitament: The Number of Children is the Benediction, and the Character of a Patriarch.

PATELARCH, is also us'd in Christendom for the Bishops in Possession of some of the grand Sees, independent of the pa-

pai Jufilliction. See Brence.

The Patriarchase has been always efteem'd the fupreme Dignity in the Church: So that to rife by Degrees, the Eifhop

had only under him the Territory of the City, whereof he was Bilhop; the Metropolitan commanded a Province, and had for Suffragans the Bilhops of his Province; the Primare was the Suffiging the Billhope of Bis Province; the Primare was the Clint of a Block, and had forced all Amprophisms under him; musted 'simple, and had forced all Amprophisms under him, but this Order was not always observed. See But this Order was not always observed. See Primarys. John Prince, and Morin, survives the Editor of the Company o

Rome in Europe ; Autiech in Alia; and Alexandria in Afri-ca; and thus form'd a Trinity of Patriarchs. Others, far from attributing this Infittution to St. Peser, sintain that the Name Patriarch was unknown at the Time

of the Council of Nice; and that for a long Time afterwards, Patriarchi and Primates were confounded together: as being Patriasch: and Primates were confounded together: as being all equally Chiefs of Diocefes; and equally superior to Metropolitans, who were only Chiefs of Provinces.

Hence it is that Socrates gave the Title Patriarch to all the

Hence it is that Survives gave the Tritle Partract to all the Chiefs of Diocellés, and recknost not of 'em. In Effect, it does not appear that the Dignity of Partrier the sat stack'd, and affected to the five grand Sees of Russes, Conflaminophe, Micromotina, Antioch, and Jeruglalem, till atter the Concell of Cascolon in 451. For when the Council of Nite regulated the Limits and Precognitives of the three

Patriarchs of Reme, Anticols, and Alexandria, it did not give 'em the Title of Patriarchs, tho' it allow'd 'em the Pre-minence and Privileges thereof. 'Thus, when the Council of Patriarchi eminence and Privileges thereof. Thus, when the Comsil of Confidentianyle adjusted the fector Piace to the Bither of Confidentianyle adjusted the fector Piace to the Bither of Confidentianyle, why., till then, was only a Suffragas of Hermitians of the Confidentianyle, which, till the Confidential Confid

There were fill many Independant Chiefs of Dioceffes, who, far from owning the Jurildiction of the grand Patriarets, call'd'emfelves Patriarets; the sa that of Agailes; nor was Carthoge ever fubicit to the Patriaret of Alexandria. The Authority of the Patriarchi grew by infentible Degrees, till at length all Affairs of Moment, within the Compais of their Patriarchate, came before them; either at first hand, or by Appeal from the Metropolitans.

They conferrated Bishops, appointed the Time of Easter, They conferrated Bishops, appointed the Time of Easter, So. Nothing in short was done without consulting tem; and neir Decrees were executed with the same Respect as those

of Princes.

The Latin Church was unacquainted with Partierch; till the VI. Century; and the Churches of Gaul, Britisin, Ec. were never full-picked to the Authority of the Partierch of Rouse, whole Authority only extended to the fabruthizary Provinces.

There was no Primally, no Exarch, or Partierch owned here; but the Biftops, with the Metropolitans, governed the Church to Compose.

here; but the Hilliops, with the Destriptionals; governor the Church in Common. Indeed, after the name Pastristrib became popular in the Well; it was attributed to the Billiops of Theory and Li-ests; but it was only in the first fignification: two, as Chiefs of Dioceles

Diocedes. On the control of the cont

Such a Cross 18 1810 to Decong to Across does to the Pope.

PATRICIAN, in ancient Rosse, a Title given to the Defendants of the Hundred, or according to others, of the two Hundred British Conston, to the Parameter, and by him call'd Secretary, Patricia, Patricia, Sec. Senator, Patricia, Sci.

Hundred Brit Senatons, chofern by Remitted, and by him call d' Parter, Fathers. See Sen Narvo, Paranse, No. Chilley, and on proposition of the Pilotients, See Peraparation, Opposition to the Pilotients, See Peraparation. But the Cigoinance and Chancifer of thefe ancient Enulpites being aimoil luit and extinguility, by a long Courte of

Years, and frequent changes in the Empire ; a new Kind of

Patricians were fet on Foct; who had no pretentions from Birth; but their Title depended wholly on the Emperor's

Favour.

This new Patriciste, Zozimus tells us, was erefled by Conflantise; who attributed the Quality to his Councellors; calling em Patricii, not because defecteded from the ancient Fathers of the Senate, but because they were the Fathers of the Republic, or of the Pince.

This Dignity in time, became the highest of the Empire.

Juffinian calls it Summan deguitatem, in effect, the Fatri-ciant had the Precedence of Confularit, and took Place be-

ore 'em in the Senate.

This Dignity was only conferr'd on those who had gone thro the first Offices of the Empire 3 or had been Confuls. We frequently read of Passesians among the English

Pope Africa made Charlemaign take the Title of Peari-cian ere he took the Quality of Emperor, other Popes have given the Title to other Kings and Princes, by reason of its Eminence.

PATRICIANS, or PATERNIANS ancient Sectations who diffurbed the Church in the Beginning of the third Century They had their Name from their Founder Patricius, Pre-

They had their Name from their Founder Patricius, Pec-ceptor of a Macionate, call'd Symmachus. His diffinguilhing Tenet, was that the Subfiance of the Fielh is not the Work of God, but that of the Devils on which Account, his Adherensa bore an implacable Harred to their own Fielh; which formetimes carried 'em fo far as to 'emfelves.

They were also called *Tatiani*. See Tatian. PATRIMONY, a Right, or Estate, which a Person inherits from his Ancestors.

The Name was allo antiently given to the Effects, or Revenues wherewith a Church or religious Houfe was endowed. In this Senfe, we say the Patrimony of the Church of Rimins, of Mison, Se.

ni, of Milan, Se.

The Durchies of Urbino and Spokes, are called St. Peter's

Patrimony. The Church of Rame had Patrimonies in feveral Countries, in France, Africa, the Airs, Sicily, &c.
To make what belong d to the Churches the more re-

To make what belongd to the Chauches the more relieved, they usking your their Patrimonistic Name of the Stimulation of the Sti

seas that was Credence. See Sabellian.

The Council of Anisob beld by the Englishens in 345, fays, that those whom the Rements call Farrypassens, the English People call & Sabellians; it adds the Reason of the Name Parrypassens in their Condemnation; size, supposing that by the incarnation of the Pather, they render'd hum Comprehensible and Passes.

PATROLL, or PATROUL, antiently Patoul, in War, Round, or March made by the Guards, or Watch in the Night-time; to observe what passes in the Streets, and to se-cure the Peace and Tranquillity of the City or Camp. The Patroll consists of a Body of five or fix Men detach'd

from a Corps de Guard, and commanded by a Serjoant.
PATRON, a Term us'd in various Acceptations, tho' all
reducible to the Relation of a Protection and Guardian.
Particularly, in the Church of Rome, a Saint, whose Name

Patteonarty, in the Chinrich of Rowe, a Saint, whole Name a Perfon bears, or under whole Protection he is put, and whom he takes particular Caré to invoke; or a Saint in whole Name a Church or Order is founded; or a Perfon who firit effa-bish? it, and who is chosen Protector, are call'd Patrons thereof

St. Peter and St. Paul are the Patrons of the Church of St. Genevieve, St. Divis the Patron of the City Paris, St. George of England, St. Benislift the Patron of the Benedictines, St. Michael of the Armorers, St. Ignasius of the Jefinis,

PATRON, PATRONUS, among the Romans, was ufed for They call'd Paires the Maîter, who had freed his Slave. And hence, as the Right, and Relation of Maîter expir'd, that of Paires commenc'd.

tnat of Patron commenc'd.

For the Romans, in giving their Slaves their Freedom, did not defipoil emfelves of all Rights and Privileges in 'em:

The Law fill fubjected the freed Men to confidenable Services and Devoirs to their Patrons, the Neglect whereof was feverely pannifled. See St. Avr.

The presental blade Lit.

ly punified. See Seave.

The principal Right which Patrons had, was that of being the legal Helrs of theeir freed Men, if they died without law full liflue bear after their Enfluenchiement and Interface.

By the Papian Law it was further provided, that if the Edute of the freed Men were recomo Sefterce, and he had three Children, the Papros flood have a Child's Portion. See FREED-MAN, LIBERTUS, ENFRANCHISEMENT,

Parmon, was also a Name which the People of Rome gave to the Perfon, under whose Procedien they pur themselvek. The common People windly choic form Perfon of Emi-nence and Authority to whom they paid all Kinds of Honour and Respect, denominating "emisters his Gleenst: And the Parmon on his Side owed them his Credit and Protection. was also a Name which the People of Rome gave

Payou on me note owed them his Credit and Protection.
By this reciprocal Relation was the Parene bound to his
Client, and the Client to his Payou. See CLIENT.
Parmon, in Naviguion, a Name given in the Mediteramean, to the Perfon who commands the Vetlel and Scamera;
formetimes to the Perfon who fleers in the Icomer in other
Places call'd Magter, the fecond Phies. See Magter and

PATRON, in the Canon and Common Law, a Person who founds, or endows a Church or Benefice, and referves to himfelf the Right of Patronage. See Patronage.
The King is Patron Paramount of all Ecclefishical Bene-

The King is Pair on Parameters or all Excidentical Benefices in Expansion. See Kinn, Pan amount, 55c.

PATRONAGE, the Right belonging to the Founder of a Church or Benefice. This Right conflits in having the Nomination or Prefentation to the Benefice by him founded or endow'd; In having the honourable Rights of the Church, and the property of the property of the Parameter of the Parameter of the Right of the Church, and the Parameter of the Parameter of the Parameter of the Parameter of the Right of the Church, and the Parameter of the Paramete in being enterr'd in the Chancel, &c. See BENEFICE. Of Patroneges, fome are Lay, others Ecclefishical. Lay-patronage is a Right attach'd to the Person, either as Founder, or as Heir of the Founder; or as Possession of a Fos

to which the Patronage is annex'd.

to which the Patronage is annex'd, Eucloficialized Patronage is that a Perfon is entitled to by Virtue of fome Benefice which he holds, If an Eclerialite bave a Right of Patronage on his own Bot-tom, independant of his Ecclefiaftic Capacity; this is fill

Lay-Patronage.

Lay-Petrionage.

Jay-Petrionage is either real or perfond: Real is that at
Lay-Petrionage is expected by the Color of th

transfer'd to another.

reansfer'd to ansurer.

The Origin of the Right of Patronage, we find in the roth
Canon of the Council of Orange; where it is expressed that a
Founder may present or the Diocessan the Clerks he thinks
proper for his Church. By a Law of Justinian it is ordain'd, proper for his Church. By a Law of Poplinian it is ordain'd, that the Founders of Churches may not put (Clerks in 'em on their own Authority; but only prefers them to the Billiop. Some Casonfil's look on the Right of Parrowsge, as a Kind of Ecclesifite Servined. See Service.

The Right of Parrowsge fleeps, but is not loft, while a Perfon is out of the Communion of the Church.

Arms of Passinings, in Heraldry, are those, a Top where-of are fome Marks of Subjection and Dependance: Thus the City of Paris bears three Hours-de-lis in chief, to flow her

Subjection to the King.

The Cardinals on the Top of their Arms bear those of the Pope, who gave em the Hat, to shew that they are his Crea-

TURES, in Hendley, the Pawa of a Beal. See Paw. DAVAGE, is now all tam-Book, Moore pay'd bear the pairing of Sirects or High-ways. See PAYABENT. PATRONYMIC, a Term which Gemmanisms using for thole Names, which the Greek gave to the Race, or Lin-naege; and which were found from him who was Chie, or Jounder thereof. See Navz.

those of Hercules, Heraclides, These Patronymic-Names the Remans call'd Gentilitie,

which amounts to our Sur-names. See Sun Id Gentling, which amounts to our Sur-names. See Sun Id Membras to the Sur-names. See Sun Id Membras to the Sur-names of the Sur-names o

PAVAN, or PAVANE, a Grave Dance, derived from the Spaniardi; wherein the Dancers make a kind of Wheel, or Tail before each other, like that of a Peacock, whence the Name. See DANCE.

The Parame was antiently in great repute; and was danced by Gentlemen with Cap and Sword; by those of the Long Robe, with their Gowns; by Princes with their Mantles, and by the Ladies with their Gown-talls trailing on the It was called the Grand Ball ; from the Solemnity, where-

ith it was perform'd

To moderate its Gravity, 'twas usual to introduce several Flourishes, Passades, Capers, Et. by way of Episodes. Its Tablature or Score is given at large by Thomas Arbeau

in I absture of score is given at ange by Promos Meesia In Ma Ordergraphia.

PAVEMENT, a Lay of Score, or other Matter, ferring to cover and throughten the Ground of divers Places, for the more commodious walking on, or the Pathings of Carriages.

The Word is form d from the Latin Parimentum, of Pa-

wire, to beat down the Earth, in order to make it firm and Birk, to best down cannot be compared to the Crand Streets, &c. are meanly flant, or Pebbles Courts, Equerics, Kitchias, Halis, Churches, &c. Tiles, Bricks, Plags, or Fire-Stores i fornetimets a Kind of Free-Stone, and Rag-Stone. See Stores. In fome Clicks. E. gr. Friends, the Streets, &c. are puved with Brick Churches fornetimes with Marbk, earl founce with Churches of St. Alares at times with Marbk.

In France, the public Roads, Streets, Courts, &c. are paved with Gres, a Kind of Free-Stone.

paved with Gref., a Kind of Free-Stone.
In Amberdam, and the chief Cities of Holland, they call
their Brick Passument the Burryaer Maßers Passument, to
diffinguilh it from the Stone or Fliat Passument, which usualty takes up the Middle of the Street, and which ferves for
Carriages 1 the Brick which borders it being deflined for the

Carriages 3 the Brick which nortees a toung elitimate to the Paffage of People on Foot.

Paraments of Free Stook, Flint, and Flags, in Streets, 1986 are hald toy, i.e. are retained in a Bed of Sand 3 thoir of Courts, Equeries, Ground Rooms, 8% are hald in Mottar of Lime and Sand 3 or in Lime and Ciment, efpecially if there be Vasitor Cellars undertreath.

Some Mafers, after laying a Floor dry, especially of Brick, spread a thin Mortar over it; sweeping it backwards and for-

rds to fill up the Joints. Thirty two Statute Bricks laid flat pave a Yard fquare ; 64 of Edge wife.

The Square Tiles us'd in Paving, call'd Paving-bricks, are The Square Tites urd in Paving, call'd Paving-bricks, are of various Sizet, from 6 to 12 inches Square. Soc Braces.

\*\*Pavinears of Churches, Sc. frequency confilt of Stimes of Feveral Colours; chiefly black and white, and in feveral forms, chiefly Square, and Lozange, articly dispoted. Indeed, there needs no great variety of Colours to make contribution with the property of Colours to make the property of the property of Colours to make the property of the property of Colours to make the property of the property of Colours to make the property of the

a furprizing variety of Figures and Arrangements. M. Tra-chet, in the Memoirs of the French Academy, has shewn by aber, in the Memoirs of the French Academy, has flown by the Rules of Combination, that two Square Scones divided diagonally into two Colours, may be joind together Checquer-wife 64 different Ways; which appear furprising enough; fines rwo Letters or Figures are not combined two Ways.

unce two Letters or regures are only combined two ways.

The Reafon is, that Letters only change their Situation with regard to first and fecond; the Top and Eostom remaining the tame: But in the Arrangement of their Stones, each admits of four feveral Situations, in each whereof the other Square may be changed in Times, which gives 64 Combina-

tions.

Indeed, from a further Examination of thefe 64 Combina-tions, he found there were only 31 different Figures; each Figure being repeated twice in the fame Situation, the in a different Combination; for that the two only differ? drom each other by the Transposition of the darker or higher Squares.

Sec Combination.

Parameter of a Terral:, is that which ferves for the covering of a Plat-form; whether it be over a Vault, or on a

Those over Vaults are usually Stones squared, and bedded Lead. Those on Wood, call'd by the Latins Pavimenta contigna-are either Stones with Bedsfor Bridges; Tiles for Ceilings

i noie on wood, can't by the Latins Paumenta configure for, are cither forces with Belsfer Bridges; Thes for Cilinas in Rooms, or Lays of Morrar, made of Ciment and Lime with Flints or Bricks laid flar, as is fill praclided by the Est-tem and Southern People a Top of their Houses. See Plan-FORM. All those Pavements which lye open, are call'd by the La-

All thold Photometric State of the Paventine of the Paven

PERSPECTIVE.

PAVILIDN, in Architecture, from the *Halion Padi-*gliese, Tent, of the *Latta Papilos*; fignifics a Turret, or

Building milaty infulated, and under a fagle Roof; fome
times Square; and fornetimes in form of a Dome.

Paralliors are femalines and the state of the Con
Paralliors are femalines and the state of the con-

times Squareş and formetimes in torm of a 1/20me. In the Fracultion of a formetime also proclaim pleases, make personal process of a binding, maring the Michael Carle and enteriors called a formetime and the formetime of the formetime. The formetime of the formetim of the formetime of the formetime of the formetime of the forme

Pavillien.

PAYILION, in War, a Tent, rais'd on Polit, to lodge under in the Summer-time. See Trayr.

PAYILION, is allo as'd in the General, for Flags, Colours, Enfigs, Scradards, Banners, &c. 21 which, Authors unally confound with one another. See Flag, Engles, STAND-DD Durke.

ARD, BANNER. The Custom of hearing pointed Psvillions, as at present, first came from the Makimeton Arabs, at the Time they first

feiz'd on Spain. Till then, all Colours were firetch'd on crofs Pieces like Thurch Banners; whence they were call'd in Latin, Vexilla quafi Velilla, a Diminutive of Vela, Sails.

The Pirates all along the Coast of the Atlantic and Barba-The Prates all along the Coale of the Zaimaine and Zaroiz-ry, bear Hexage and Parvillens. "The Gules, charged with a little Tark, drefted in his Turban; the contrary to their Law, which prohibits the making any Image of a Man; if from an Opinion that those who make the Figure here, will be obliged to furnish a Soul to the Figure at the Day of Judgement, or in Default thereof be dame'd. But this Portrait it feems is that of Hali Sulficar, Maho

aner's Son in-law, to whose Party the Africans adhere; and who appointed his Picture to be represented on their Banners; imagining himfelf to terrible to the Christians, that a mere View of his Image wou'd put 'em to flight; as we are told by

PayiLLION, in Heraldry, a Covering inform of a Tent, which inveits, or wraps up the Armories of divers Kings and Soversigns, depending only on God and their Sword. The French Heralds hold, that none but Soversign Monarchs

The Trends Hemick noist, that noise but boveraign Monarchan years the Pavilline inter, and in all its parts. It confliss of two Parts, the Top, which is the Chapeau, or Cornnet, and the Curtain which makes the Closik. Those who are Elective, or have any Dependance, fay the Heralds, multi take off the Head, and retain nothing but the Curtains. The Use of Pavillians and Closats in Armories is derived from the action Landraguing. which are Contentions Small firetch'd out in form of Coverings; and tuck'd back on either

Others will have it derived from the ancient Tourname wherein were expoted the Arms of the Knight in rich Ta-pedry Work, on Tents and Pavillions, which the Chiefs of the Ouadrils rais'd to shelter 'emselves, till the Time of en-

PAULIANISTS, a Sect of Hereticks, fo call'd from their

Founder Paulus Samofatenus, a Native of Samofata, elected Biftop of Antioch in 262. This Herefiarch denied the Diffinction of Perfons in the

1 ms Herenarca owned the Ditticklion of Perfoss in the Tchinty, with Sade Musigand ranght with Artsmoot that the Wood defeended into Jefus; and that after having performed by him what he derird to do, he reaftended to his Pather. He definingsilled two Perfoss in T. C. the Word and the Chrift: The latter, according to him, was only God in re-Christ: The latter, according to him, was only God in re-gard of his Holinets; accordingly he did not baptize in the Name of the Father and Son, \$56. For which Reason the Council of Nice order'd those baptized by him to be re-

Consent of New New Acte and the Appendix Memory in a De Fe-beripied. Be abjured his Errors to avoid Deposition; but foon after re-fum'd empart was abstrally deposit by another Council in a 70. PAULICIANS, a Branch of the assient Montebers; to

PAULICIANS, a Branch of the ancient Manichers; so call'd from their Chiefrain, one Paulius an Armenian, in the Vilith Century. See Manicher. The Paulicians by their Number, and the Countenance of the Empero Nicophorus, became formidable to all the Eaft. To the other Opticions of the Manichers, they are faid to have added, an Abhorrence of the Cools; and to have em-

have added an Abborrence of the Crois 3 and to have employ'd in in the moil fervile Offices out of defigight.

The Empress Thousers, Turrels of the Emperor Alicabed in 854, would oblige 'em cither to be converted, or to quit the Empire: Upon which feveral of 'em were put to Death, and more resired among the Sovement's but they were not all exterminated. Towards the End of the ninth Century, they were able to maintain War against the Empetur Basis; and even preach'd long after this in Bulgaria; whence they spread into several

other Parts of Europe. The Paulicians were also call'd Publicans, and Poplicans. ee Publican. EG

PAVO, in Afronomy. See Pracoce:
PAUPER, in Law, See Forma Pauperis
PAUSARY, PAUSARIUS, in ancient Rome, an who in the folemn Pemps or Processions of the Goddess directed the Stops or Paufes.

In these Ceremonies, there were frequent Stands at Places repared for the Purpose 3 wherein the Statues of Isla and Smalls were set down, much after the Manner of the resting Places in the Procession of the Holy Sacrament in the Rossillo humb

These Rests were call'd Mansiones; the Regulation where-

of was the Office of the Paularii.

From an Inscription quoted by Salmafius, it appears that
the Ramans had a kind of Callege or Corporation of Paula-See COLL EGE.

ries. See COLLEGE.

The Name Paufery was also given to an Officer in the
Reston Gallies, who gave the Signal to the Rowers, and
mark'd the Times and Paufes; to the End they might act

This was done with a Musical Instrument. Hygimus fays, that in the Ship Argo, orphens tidd the Office with his Lute.

PAUSE, a Stop, or Cessation of speaking, singing, play-

The Ufe of Pointing in Grammar, is to make proper Paufe's in certain Places. See Pointing in the Middle of each Verfe; in a Hemiftic, 'tiscall'd the Ref or Repfs.

PAUNTAGE.

AND Patts, in Heraldry, the Fore-foot of a Beaft out of flort. If the whole Leg be retained, it is call'd Gamble. Lycons pawaser much uid in Armoury.

PAWN Armber. See BROKER.

PAWN AGE. See PARA OR.

PAX Edits. See PARA of Gon.

PAX Edits. See SANCTUARY.

PAX Eddiffe. See SANCTWANY.
PAX Regif, See PAXE of the Mag. Longe debet effe
Pax Regif, See PAXE of the Mag. Longe debet effe
Pax Regif, See PAXE of the Service of the Pax
Regif of pasteror milliance of trest Quartenesse, of
Novem ance Latitudies, of movem foods, of movem fabous, of
Movem ance Latitudies, of movem food, of movem fabous, of
Movem white, see the Dev Lonaryas.
Movement from David, see. See Pax. Contrass.
Movement food particles, of the Contrass of the Movement food
Movement food food food
Movement food food
Movement food
Movemen

One leavy, whereby a Perfici is refused to the Benefit of the King's Peace. So Cur's Lawas.

Res specif deer good from o'f, lose of pleasa from, quan-Res specif deer good from o'f, lose of the pleasa from, quan-ficially the pleasa from the pleasa from the pleasa (BAYABINT, the Difficusps of a Debt, either by Money really rold, or by Bills of Exchange, &c. See Dan's, &c., Prompt's Parkswar, a popular Term in England and ferrians, in, when a Debtor acquites what he owns before the The Difficus for Promit Pharmace on most Membedotics.

Espiration of the I'erm granted by the Creation.

The Difficion to Propuly Physicarc on most Merchandices in this My 2 per few propuly physicarc on most Merchandices in this My 2 per few propulation.

The Seamon first, per few propulation of the Seamon first, per power College, i.e. It on tome College, and pop cheep this is, at the running the Archor out of the Boat, to turn it out failer.

PEACE, in the connect College and pop cheep this is, at the running the Archor out of the Boat, to turn it out failer.

PEACE, in the general Significantion, finaddin population to War. See Was.

In our Lea-Mooke, 5%. Phose is refinited to a quite, and, in our Lea-Mooke, 5%. Phose is refinited to a quite, and, the propulation of the same way that the propulation of the propulation of the same way the propulation of the propulation o

inoffenfive Carriage towards the King, and his People. Lamb.

Eirsearis, Where any Man flands in danger of Harm from another, and makes Outh thereof before. Inside of the Ponce, is and makes Outh thereof before. Inside of the Ponce, occ. See France reasons, and Jervice of the Ponce, exc. See France reasons, and Jervice of the Ponce of the

Sec Lass on Little, Sec and TERM.

Prace of the King, mention'd in the Stat. 6. Rich. 2d. Sec.

Is that Security that the King promifes his Subjects, and others
taken into Prorection; both for Life and Goods. Sec Surr taken into Protection; both for Life and Goods. See Soft. of the King's Peace.

Pract of Gos and the Church, mention'd in our accient Law Books, is that Reft and effaction which the K ing's Subjects had from Trouble and Suit of Law, between the Terms.

Sec VacArion.

PEACE of the Plough, that whereby the Plough, Plough.

Tackle, and Plough Cattle are fecured from Diffredes. Sec Fizzb. Nat. Brev.

Thus Fairs may be faid to have their Pesce, because no Man may be troubled in them, for any Debt courracted elfe-

Man may be where, of the PEACE. See Clear of the Place.
Clerk of the FEACE. See Clear of the Place.
FEACOCK, Poso, in Affresomy, a Conficilation of the
Southern Hennifphere yunknown to the Ancients, you without
nour Northern Parts of the World. See Construct.Arton.
FEAN, in Hershity, swhen the Field of a Gost of Arms
Nather and the Ponderings, Or.
Souther and the Ponderings, Or.

PEAN, in Heraldry, Iswaett the Frence of a Constant Landisch is Sable, and the Fowderings, the White, clear Sabtlance, Windling tomothing, found in a tenderous Fifth, referabling an Office; and rank'd in the Number of process Scient.

The Fifth wherein the Partie are found, is three or four times the Size of the common Officers; and is ufusily called the Size of the common Officers and is ufusily called.

Pearl, or Mother of Pearl, by the Naturalits, Pinns Ma-

PEA

The Word is found from the Latine Tonic, which we find

Kick Motion Parel confinently yields an or receive of tend in particular the confinence of the confinence of the particular than the particular t

mals. This, indeed may be faid, that as in a Hen there is an Infinity of little Eggs, in form of Seed; fome whereof grow and ripen, while the Reft continue nearly in the hane State; fo in each Oilfer is wisully found one Part much larger, and that ripens much faiter, than the Reft. This Peer/Fornettnes grows big enough to hinder the Oilfer from fluering, in which cafe the Fifh rots and dies.

Others, with M. Geoffrey the younger, rank Pearls among the Bezoards; as comprehending under that Class all Stones form'd in Lays or Strata in the Bodies of Animats. See BEZOARD.

Braoand.

M. Resumme, has a very carious Piece on the Subject of
the Formation both of the Salels and Piecel's, in the Me-ference of the Piecel Subject of the Piecel Subject of the Piecel Subject of Piecel Subject of Subject of Subject of Subject of Subject of Piecel gr. in the Bladder, Kidney, Efe. and that they are appearently the Efficient of Diefel of the Fifth.

In Effect, they are all found of a Julice extravalated our efficient returns Vielles, detaind, angle find among the Vielle, detaind, and find among the Vielle, detaind, and

branes. "In rice the possibility of this, he shows that the Shells of Sec. Fishers, as well as these of Sealis, she are which yet of Sec. Fishers, as well as these of Sealis, she are which yet of Sec. Fishers, as well as the shell of Sealist Seal and burst forth in any Cavity of the Body, or among the

Membrane.

To confirm this Syltem, he oblivers, that the loans Surface
of the common Phirad Minkel, found on the Costin of Promon Phirad Minkel of Phirad Colone, from one
are of the Extent of Minkel of Phirad Colone, from one
are of the Extent, and the state of the Minkel
of the Minkel of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the Minkel
of the

wherein the Transfruction of a certain Juste Indicessed, and would have contained to form a Gund, or Javy of Shail of a certain Colours; the Yelfiës which conveyd that Juke heing bette, then's master a stift of Mar of Coloride on the jaze-best, hen's master a stift of Mar of Coloride on the Just-ber, and the Shail to which it corresponds. Add to this, that Sulveye Predictionally a part of the Shail is idented of Shail to Sulveye Predictionally and of the Shail is idented of Shail to Lasy some one another, like an Onion's pilled againful one scander. The Predict of the work of have this Difference of Textures not but they are both com-pored of concentrol Condensely in their of the reddith Predic-ies much left femilies; and, belies, favor Thuesdo, which we made life femilies as the scander of the Coloride of the Coloride Coloride of the Coloride of the Coloride of the record of the Coloride of the Coloride of the Coloride of the record.

These Circomstances feem effectually to determine the formation of *Pearls*, and to establish the new System beyond

As to the Formation of the Pearl Fifth; the 'tis the most natural Opinion, that this Fifth, like all others, produces Eggs or Spawo, whose exterior Surface at first is fost and viscous

but changes and hardens by degrees into Shell a yet, we must

not leave numention'd the popular Hypothesis of the Paravat, uzz, that in rainy Weather the Brooks of the neighbouring Lands that empty 'emfelves all along the Coafts, run near two Leagues on the Surface of the Sea without mixing theretwo Leagues on the Surface of the Sea without mixing thete-with. For a Wbile, the full-pended Water retains its natural Colour and Sweeme(s) but at length, the Heat of the Sun condenfing it, forms intin a Kind of Hight transparent Froch; this done, it preferrly divides into an infinity of Parts, each whereof appears as it animated, moving this way and that, like little Intelsa. The Fiftne former times care have any asterpats by: but foon abundon em. By degrees their Skin thick-ening and hardening, they at length become heavy enough to fink to the Bottom, and affume the Figure of Oytlers.

nance one moreon, and attume the Figure or Oyliers.

The Perickina of Peeris, whether cound, in form of Pears, or Olives, or irregular, confifts chiefly in the Luther and Cleamets of the Color which where it white, which are those most effect of the Color whose Water is white, which are those most effect of the Martin of the Martin Europe. The Water of others borders on the Yellow, which them client and debut markets at Author. On the Martin of t in Eurofe. The Water of others borders on the Yellow, which fome Indians and Arabs prefer to the White. Others are of a Lead-colour, others border on Black; and others are quite

Black.
They are all liable to change with wearing; in 80 or 100
Yearsteep utailly became of lintle value; effectailly the white.
The Difference of Coloura doublets arise from the difference of Coloura doublets arise from the difference are to the Office wherein they are formed. When the Seed happears to be thrown into the Meinneyer, et Liver, or the Parts correliponding thereto, 'tis no wonder it the Impurities of the Blood change the Natural White.

In Europe, Pearls are fold by the Caras-weight, the Caras socializing four Grains.

In Afia, the Weights us'd for Peorls are different, in dif-

In Abi, the Weignes or a feet of the Record States. See CARAT.

The Term Pearl is only properly applied to what grows independent of the Shell. The Shell little is call'd Mosser of the Shell.

independant of the Shell. The Shell itself is scall'd Matter of Past.

See Morran of Past.

Those Pieces which have grown thereto, and have been fince feparated by the Address of the Workman, are call'd West of Past; which are in effect nothing but roundlift

Excrescencies, or Pieces of the Shell; the frequently us'd for

Exerclements, or Preces of the Sheils into frequently we a toward Sheil. See West of Prent.

"Pent" Shellow West of Prent, have this Advantage

"Pent" Shellow Brown of Rocks, See, that the Latter

over here' Luffer to the foldity of Men a Nature only, as it
were here 'em out, and leaves the finishing of 'em to Art;
Bet the Former are born with data beautiful Marter which
give 'em their Valor. They are found perfectly pulified in
the Abyfits of the Seas and Nature has put the lall Hand to 'ere they are separated from the Mother.

the Anysteen the Nest, and Narube has put the last Hands Pegerk's on entails Figures, it, enterlier round, nor in the Pear-form, arceild Bergers, or Seate-Pereir's Those of western the Pear-form, arceild Bergers, or Seate-Pereir's Those of western the Pear-form, arceild Bergers, or Seate-Pereir's Those of western the Pear-form of the Pear-form

The Ladies also use certain Preparations of Pearls, as they are made to believe, for their Complexions such as the Whites of Pearls, Flowers, Effences, Spirits, Tinctures, &c. of Pearl; but they are all apparently Deceits.

PEARL Fifteries.

Pearl is fifth'd in the Seas of the East-Indies; in those of

America; and in fome parts of Europe.
Prant-Fifteries of the East, are

I. The Hand of Bakren, or Bakarem, in the Perflau Guiph. This the Perriguese were Malters of while they beld Ormers and Majdata is but it has been returned to the So-phi of Perfla, tince the Time that Prince, with the Affili-tance of the Buillip, took from ten Ormus, and the Arabis, Mofcato.

11. The Fishery of Catifa, on the Coast of Arabia Felix, over-against Babren.

III. That of Manor, a Sca-port in the life of Coylon. The Post'k bere fifth'd, are the finelt in all the East for their Water and Roundards, but they feldom exceed four Carats.

Lathy, there are Post's fifth'd on the Cost of Japan; but they are coarse and irregular, and little minded.

The Peorls of Babren and Catifa are those commonly fold in the Indies; they border a little on the Yellow, but the Eastern Peuple don't value 'em the lefs for it; they effecm it a Experie souls due value on the case is it as yet extens it a beginning to the control of the control of the control of the change their Colours and that on the control, the white change their Colours and that on the control, the white Warr does not hold above thirty Years, 'et us Peerl at fumes fifthy yellow Colours by reason of the litest of the Climate, and the Sweat of the Perfons who were not. American Pearl Figures, are all in the great Gulp of Newton, along the Coal of the Tarts-Eiron. There are five

The Fiftery of Calagua, an Ifland five Leagues from new Andalufia, in 10 Dec. & N. Lat.
 That of the Itland Marguerites, or Pearl Ifland.

III. That of Consegers near the Terra-Firms.
1V. That of the River de la Hach, called la Remebria.
V. That of St. Martha fixty Leagues from the River

The Pearls of these three last Fisheries are usually of a ood Weight; but ill form'd, and of a Livid-Water. good weight; but in form a, and or a Livia-Water. Those of Cabagas feldom exceed 5 Carast; but are found in abundance. But the greatest Quantity, and the finest, both with regard to Weight and Water, are those of the Island Mar-

guirra.

The state of the state

are very inconfiderable.

Pears. Fifteries of Europe, are in fome Places on the Coafts of Sections, and in a River of Betarie: But the Pearls found here are no ways comparable to those of the East-Indies, or of America; tho they ferve for Necklaces, fold fometimes for a thousand Crowns and upwards.

## Manner of Fifting for Prants in the East-Indies.

There are two Scafons of Peerl-Filhing in the Kear; the first in March and April, the second in March and September; the more Rain falls in the Year, the more plentistians the Filheries.

In the Opening of the Seafon, there are found fometimes to hundred and fifty Barks on the Banks. In the larger Barks are two Divers, in the finaller, onc. Each Bark puts off from Shore 'ere Sun-rife, by a Land-breeze, which never fails; and returns again by a Sea-breeze, which faceeds it about Noon.

Affoon as the Barks are arrived, and have cast Anchor, each Diver binds a Scone fix Inches thick, and a Foot long under his Belly; which is to ferve him as Ballaft, and prevent his being driven away by the Mocion of the Water; and to enable him to walk more iteadily a-cross the Waves. Belide this, they tye another very heavy Stone to one Foot,

Befide finit, they be about over yearsy Stude to the 200s, whereby they are faink to the Bottom of the Sea in a Moment. And as the Oylters are ufually firengly failend to the Rocks, they sum their Fingers with Leathern Mittons, to prevent their being wounded in fraping 'em violently off', and fome even earry an Iron Rake for the Purpote.

and fome even carry an Iron Rake for the Purpote.
Laftly, each Diver carries down with him a large Net, in
manner of a Sack, tied to his Neck by a long. Card the other
End whereoff is failten'd to the Sale of the Bark. The Sack
is deflined for the Reception of the Optiers gather'd
from the Rock, and the Card to pull up the Diver when his
Bag is full, or be wants Air.

In this Equipage he precipitates himfelf, fometimes above 60 Foot under Water. As he has no Time to lofe there, he has 66 Foot under water. As he has no lime to but enter, he has no fooner arrived at the Bottom, than he begins to run from Side to Side, fometimes on a Sand, fometimes on a Clayey Earth, and fometimes among the Points of Rocks; tearing off the Oysters he meets withal, and cramming 'em into his

Disager.

Depth drey he, the Light is fo great, that Ar willy few whitever pulse in the Sea, with the first Control is on Land. And to their Conferencies, they forms that the Land. And to their Conferencies, they forms time size modeling the Water, Eds. went fave 'em; but they become that Prey; and off all the Pertis of the Effect, with it one of the greated and must with.

The bell Divers keep under, Water for had in Hour, the

The best Divers keep under Water for halt an Houst, the residency flash jets than a Quarter. During which Time, they hold their Breath without the Ufe of Oils, or any other Liquors. See Durino. When they find 'emfelves straiten'd, they pall the Respi to which the Eag is failtened, and hold fast by it with rooks.

Hands, when the People in the Bark, taking the Signal heave 'em up into Air and unload 'em of their Fish, which i merimes five hundred Oylters, fometimes not above fifty. fometimes fi

Some of the Divers need a Moment's Refpite to recover preach others jamp in again inflantly, continuing this vio-lent Exercise without intermittion, for many Houre. On the Shore they moled their Barks, and lay their Cyd-ters in a infinite. Number of little Pitts, dug four or five Foot figure in the Sond, rating hears of Sand over "em to the Height of a Man, which, at a Ditlance, look like an Army

rang'd in Battle.

range'd, lo Bettiel.

In this Condition they are left, till the Rain, Wind, and Son have oldig'd en to open, which foot kills em. Upon this the Elfer, toes and drys, and the Parich, then disregard, unable into the Plargers and Lings the Opters out.

The Condition of the Body, as found that person in Mean, and in the Theorem's the Distrets of the Condition of the Body, as functioned happens in Mean, and in the Theorem's, the Distrets does not alreft the Hammour a at East, the Theorem's, whose at term, don't the Marke Theorem's and the Market Theore

trait have notes.

After electring the Pitts of the groffer Fish, they fift the Sand feveral times, to feparate the Partie. But what Care forcer they take herein, they always fole a great many. After electing and drying the Partie, they are passed that of Kirch, according to that Partie, they are passed that of After electric they are passed that of the Care according to that Passes. The finalistic are fold the Geode of Parties, the return par up by Audhoo, and food to the Bagbatt Bidder.

## Manuer of Fifting for Pearl in the West-Indies

The Scalon for Fifting is usually from Ollober to March. In this Times there for our form Corribogous as a crewieve Laborator of the Corribogous as a crewieve Laborator of the Corribogous as a crewieve Laborator of the Corribogous Laborator of the Laborator of the Corribogous Laborator of Laborator of

Hoot.

Host prilis the fune, as in the 20th Johnst Ethicare in The Indian knew the Value of their 20th before the Discovery of Justices; and when the Speciated arrived there, they lound great Quantities flord up, which the Justices they knew the Common of the Common the Common of t

opening the Fifthe.
In the 2Diffusions to Commerce, is a Table of the Value of
Phestis, communicated to the Author by an able Hand. As
Phestis make a very curious Article in Commerce, and as their
Value is a Thing little known among us; we fluid here give
the Reader an Abridgement of the fitne, reduced to our
Moony, on the Poor of 1: 64. Sterling the French Livre,
or 4,5 64. the Front Grown.

Value of all kinds of Pearls, with regard to their different Weight.

## Sceds of PEARLS.

|  | L. | 5. | d. per O |
|--|----|----|----------|
| Seeds of Pearls not perforated, fit for grinding, are worth      | 00 | 09 |          |
| Fine Seed of Pearls perforated for final Necklage or Embroidery, | 01 | OI |          |

Ditto a little larger, OT 16 Rassed, or Irresular PEARLS.

| Of 500 to the Ounce are worth | 03 | 00 |
|-------------------------------|----|----|
| 300                           | 06 | co |
| 150                           | 11 | C2 |
| 100                           | 18 | 00 |
| 60                            | 53 | 15 |
|                               |    |    |

#### Regular ROUND PEARLS. One of a Grain is worth oo oo ay

| Of a Grain                  | 00  | 00 | 4 |
|-----------------------------|-----|----|---|
| Of a Grain and half         | 00  | 01 | ó |
| Of two Grains               | 00  | 02 | 0 |
| Of 2 Grains and half        | 00  | 04 | 6 |
| Of a Grains                 | co  | 07 | 6 |
| Of 4 Grains, or x Caract    | co  | 18 | 0 |
| Of 5 Grains                 | OI  | 10 | 0 |
| Of 6 Grains                 | 02  | 05 | 0 |
| Of 7 Grains                 | 03  | OX | 0 |
| Of 8 Grains, or two Caraels | 0.4 | 10 | 0 |
| Of 9 Grains                 | 06  | 00 | 0 |
| Of 10 Grains                | 68  | 05 | 0 |

| 05 0 :                      | 1.       | 5:  | d. per O |
|-----------------------------|----------|-----|----------|
| Of 11 Grains                | C9       | 15  | 00       |
| Of 13 Grains                | 13       | O\$ | co       |
| Of 15 Grains                | 2.1      | 00  | co       |
| Of 17 Grains                | 27       | 10  | 60       |
| Of 20 Grains, or 5 Caracts  | 37       | 10  | co       |
| Of 22 Grains                |          | 10  | 00       |
| Of 24 Grains, or 6 Caraffs  | 52<br>82 |     |          |
| Of 26 Grains                |          | 10  | 00       |
| Of 28 Grains, or 7 Cavalls  | 99       | 00  | 00       |
| Of 26 Grains, or y Carwers  | 150      | CO  | 00       |
| Of 32 Grains, or 8 Caracts  | 225      | 00  | 00       |
| Of 36 Grains, or 9 Caracts  | 262      | 10  | 00       |
| Of 40 Grains, or 10 Caratts | 300      | 00  | 00       |
|                             |          |     |          |

As to Parth in form of Feas, the' equally perfect, and of equal Weight with the round Ones, that Yuke is much ferrier. However, when two are found that mach well, there Felder by one third.

Field P. P. Ara. Ls, are counterful, or faithings Peerst, refembling the true Ones in Water or Colour. Their arms of the Weight of the Colour is the control of the Colour is the colour in Colour

after withinface, ancreards they wid Wax, covered over with a fine Brilliant Fill follow.

There has fince been invented in Prance, another manner of making em, fo near the natural Ones in Luffre and Water, that they deceive a good live. Thefe are what the Ladies now generally wear in defect of tree Peers', little Necklaces whereof they defpife; and the great ones being generally too dear. Method of making False Pearls

This curious Invention is owing to the Sieur Janin, and is the more to be valued, in that, 'tis not only very fimple, but prevents the ill Effects of faile Pearls, made with Quickver within, or Fish Glue without

percent net al Directo of halfe Peterls, made with "Quide-That Regulous Aratin having diskery, has to Shell of a little Fills cailed disk, found plentifully in the River Aderse, half on only all the Ludwe of the early Pheery, has that shell of a little Fill cailed disk, found plentifully in the River Aderse, half on the River Aderse, had been also also all the cailed disk, driving a be belonoph himfell of fetting a Piece thereof in the Certy of a Berd, or Grain of Gringly, which is a kind of Control of the Control of Gringly, which is a kind of Director of the Control of Control of Gringly, which is a kind of Director of the Control of Control of Gringly and the Control of Control of

The diffolved Shell, faften'd by this Motion in the Infide of the Cayfiellia, returns vis Lafre as it dries. To increase
this Luitre, in Winter, they lay the Beads in a Hair Sieve, or
a Bolling-cloudt, which they fulpend to the Celling, and under it, as 6 Foot Diffusee, lay heaps of hot Afthes. In Summer they full-pend ten in the fame Manner, but without any

The Posts, thus well dried, become very Brilliant; and nathing remains but to flow up the Aperture, which is done by metted Was, coneyed into it with a Tabe like that use'd in introducing the diffused Shell.

After clearing off the fuperfluous Wax, they perforate the Posts with a Needle, and string 'em 3 and thus they com-

mence Nicklee.

Meditur of Paana, is the Shell of the Them's Cytics, or Reduct of Paana, is the Shell of the Them's Cytics, or The Shell within-file invery fineoth, and polifich, and of the Whiteria and Water of Them 's Idio's paid it has the fant Lative without file, since the first Lative videous file, since and the Lative videous file, since the since videous file videous files videous fil

tom on the Year's Mells.

The Laptheries have, etc. and to the min ferrent Works
of Focusion, as if they were really Pourse.

Prant, in Hearly, is will by the his Menses with
precises Stones, instead of Colour and Metals, for Argent, or
White. See An out. Not Not in Medicine, an unmateral Speed,
or thick Film over the Eye. See Pannes. See also Un-

PECCANT in Medicine, an Epithet given to the Humours of the Body, when they offend either in Quantity or Quality, i. e. when they are either Morbid, or in too great Abun-dance. See Humour.

Most Difeases arise from Peccant Humours, which are

ared. See DISEASE, &c. FECK, a Meature, or Veffet us'd in measuring Grains, Pulic, and the like dry Mattera. See Measure. The Standard, or Winchefter Peck, contains two Gallons;

each Gallon weighing about eight Pound Troy. See G A L-

Four Porks make a Bushel; four Bushels a Comb or Carnock, &c. See Bushell.

Besides the general, or Winchester Peck, there are Local Pecks, containing some more, some less, as the Laucaster

Peck, containing tome more, fome lets, as the Laurager Peck containing for Gallons, &c. PECQUETS Duff, in Anatomy, the Thoracic Duff; thus call'd from its Difcoverer Pecquet. See Thoracic

PECTEN Arberts, in Botany, is the Grain of the Wood of any Tree. See Woon.

PECTEN, in Anatomy, is us'd by fome authors for the

Regio pubes, or lower Pare of the Hypogastrium. See Hypo-

DECTINIS Of in Anatomy, the same with Of Publis. See

OF PECTINEUS, in Anatomy, the third of the fifteen Muf-eles of the Thigh; to call'd, because it has its Origin in the Fore-part of the Oi Petituis. 'Its Infertion is in the Thigh, under the left Trochanter: the Pellineus, with the Plass and Iliacus, draw the Thigh forwards, and of Confequence bend it.

PECTORAL, fomething ralating to the Breaft, Politus.

See BREAST. In the Remijo Church, Bifhops and regular Abbots wear a Pelloral Crofs, i.e. a little Crofs of Gold, hanging from the Neck down the Breath.

PECTORAL Medicanes, or fimply Pellorals, are Remedies proper to ilrengthen and relieve the Breast and Stomach; or inft Difeases of the Breatl and Stomach.

Their ordinary Intentions are either to attenuate, or thicken the Humours of those Parts, which cause Coughing, &c. and render 'em fit to be expectorated, or fpit out.
PECTORALE, or PECTORAL, in the Jewish Law.

PECTORALIS, in Anatomy, a Muscle which moves the Arm forwards. It arifes by a fielthy and femicircular Begin-ning, from the Chronoula, Sternum, and Cartinges of the fix ning, from the Lemicana, Meriman, and Carrilages of the fix inperior Ribs; and coverent a great Part of the Break, and is inferred by a fhort, but strong and broad Tendon into the upper and inner Part of the Humerus, between the Bi-ceps and Diblades.

ory) and Dissortes.

In Fibro, to at their Infertion, decuffate one another. In the state come from the Carnete, or first Ribs, are on the Lorente from the Carnete, or first Ribs, are on the control to the Tendon, and there from the interior Ribs Naturality, edge.

Naturalilis observe a special Mark of Providence in the Size and Strength of the Pellerai Mufcle in different Animals, one and Strength of the Petters Mutch in different Animals. Tis by the Action of this Mufcle, that the flying of Blinds is chiefly perform'd: Accordingly it is much larger and flronger in Birds than in any Animals normade for flight. Berelle observes, that in Men the Petters! Mufcles are

fmail; fearce the 50th or 70th Part of all the other Mufeles : But in Birds they are vality large, equalling, nay, exceeding in Bulk and Weight all the other Mulcles of the Birds together. See FLYING.

ther. See Feying. See Triandulate.

PECTORIS of, the fame as Dermon. See Sternem.

PECULATE, PECULATUS, in the Civil Law, the Crime of pifeting the Public Money, by a Person who is the Manager, Deposary, or Receiver the

The Civil Lawyers ofe Peculate for any Theft of a Thing Sacred, Religious, Public, or Fifcal. Peculate is profecuted the Criminals Heir.

PECULIUM, the Stock which a Person in the Power of another, as a Slave, a Minor, &c. may acquire by his own Industry, without any Advance or Assistance from his Father or Matter, but merely by their Permission.

Matter, Diff hereay by direct Peans and The Remans had a Civil and a Military Peculium.

The Word is usually derived a Pecunia & Peculium, cause the whole Estate antiently constitted in Money and Cat-

Hence Peculium comes to be us'd among the Romanifts, for what each Monk or Religious referves and possesses to himfelf

Some fay that the Peculium of a Religious, when prefer'd to a Cure, does not ceafe to belong to the Monastery; and that the Property thereof never absolutely refides in the Re-

PECULIAR in the Canon Law, a particular Parith or Church, that hath Jurifdiction within it felf, for Probate of Wills, 8%. Exempt from the Ordinary, and the Bithops Courts, and feculiarly belonging to the Archbithop. See Aacu-Bisnor. In the Province of Canterbury are 57 fach Peculiars.

The King's Chapel is a Royal Peculiar, exempt from all fpiritual Junidiction, and referved to the Visitation and immediate Government of the King himfelf, who is supreme Ordinary. See CHAPEL.

It is an ancient Privilege of the See of Conterbury, that whereforeer any Mannors or Advantans do belong to it, they forthwith become exempt from the Ordinary, and are repute

Court of PECULIARS, is a Court where the Affairs of Pe-cuhars are manfacted. See Count.

PECUNIA, Money, in our old Law Books, &c. is forme-times us'd for Cattle, and formetimes for other Goods, as well as Money. See Money, See.

In the Emendat, of the Laws of Escents the Confessor,

In the Emendat, of the Laws of Escents the Contenting by Will, the 1tl, "tisordered that no Viva Pecunia, kiving Ptemania," is Castile be boaged or fold, except within Clinics, and that before three fufficient Winnelles. See Chartes.

and that before three fufficient Winnelles. See Chartes. Again, Qui habet 30 Denstriants were Pecunia, &c. In Domeldes, premia is frequently used, fro prende; as, Patture ad premiam Ville; & premia Ecclifie, was antiently used for the Etiate of the Church.

Prouns Sepuchralis, was Money antiently paid to the Priest at the opening of the Grave, for the Good and Behoof of the deceased's Soul, and which our Saxon Ancestors call'd

Soul-Scot, and Anime Symbourm.

PEDAGE, Toll, or a Local Right enacted on Persons, Goods, and Carriages passing thro certain Places. See Toll.

Pedage is ufually levied for the Repairing of Roads, Bridges, Caufeways, the Paving of Streets, &c. Antiently, those who had the Right of Pedage, were to keep the Roads secure, and Answer for all Robberies committed on Paffengers between Sun and Sun; which is still obferved in fome Parts of England, and in Italy, where there are Guards call'd Stationaries, citabilified for the Security of Merchants, particularly at Terracina, on the Road between Rome and Naples.

PEDAGOGUE, a Term of Repeach, us'd for a Tutor, or Matter, to whom is committed the Difcipline and Direc-tion of a Scholar; to be instructed in Grammar and other

Arts.

The Word is form'd from the Greek waship dywyds, pierorum dulier, leader of Boys. M. Fleeny observes, that the
Greeks gave the Name Pasing gas to their Slaves, appointed
to attend their Children, lead 'cm, and teach 'em ro walk,

Proaccours, among the Romans were likewise Slaves, to whom was committed the Care and Instruction of Chil-

PEDALS, the large Pipes of an Organ, fo call'd, because playd and stop'd with the Foot. See Organ.

The Pedasi are the largest Pipes in the Machine, they are made Square, of Wood jurisally thirteen in Number. They are of modern Invention, and ferve to carry the

They are of modern lavension, and steve to carry the Sounds an Otized edeper than the reft. Hy Jodge, who has FEDANEUS, in the Civil Law, a petry Judge, go who has no formed Sear of julifice, but heard Coales flanding, and with-out any Tribunal.

The Word is form'd from Status in Poblisus; and Is sa'd among the Aracients in opposition to the Roman Magiffrance, who were feated on Chairton, in Sollé Carril, to that a Tribunal or Bench rais'd on high

The Ramon Pedami, therefore, were fuch as had no Tri-bunal, nor Pretorium, but render'd Justice de Plano, or Pla-no pede.

From the 8a Novel, it appears that the Emperor Zono efta-blish'd these Pedanti, in the Sec of every Province; and that Jußinian ereched seven of 'em at Constantinople, in manner of an Office; granting 'em Power to judge in any Sum as high c Crowns

PEDANT, a School-Mafter, or Pedagogus, who professes o instruct and govern Youth, teach 'em the Humanisties and the Arts. See Pedagogus.

PEDANY is also us'd for a coarse, unpolish'd, stiff, Man of Learning, who makes an impertinent Use of the Sciences, and abounds in vile, unscasonable Criticisms and Observations. Datier defines a Pessant, a Person who has more Reading than good Senfe.

Pedants, are People ever arm'd with Points and Syllo-Pedeutt, are People ever arm'd with Folies and Syllo-gina plenthe northing but Diplear and Chicanery, and pur-fice a Proposition to the Lid Emmed Logic: Multivantic de-termined and the Company of the Company of the Company of Particle of the Knowledge, and it ever quoting found Gred-or Latta Author, or hanting back to a remote Exproslogy. St Extrastart Bay, that to platter for Foliy of a Pedeuts, we must repreduct him turning all Converticions to fome one Science he is their acquainted within and of all Bobs and

There are Pedants of all Conditions, and of all Robes; and Wiomefort fays, an Embaffador always attentive to Formalities and Decorums, is nothing elfe but a Political Pendant.

PEDANTRY, or PEDANTISM, the Quality or Manner which fuffains the fluted Ionic Columns of the Palace of the

The DATA RA, or the Table AT 1998, the Common of Science, to heap up Grink and Lerin without Judgment, to grain and tere troit to be odifier from a whome a brailing bit and the profits be of differ from a whome a brailing in Many and the service of the service

eva @ Column.

evice Column.

The Pedefal, call'd by the Greeks, Stylebates and Stevenbates, confide of three principal Parts, vie. a figure Trusk or Dys, which makes the Body; a Gorande, the Head; and a Bulle the Foot of the Pedefal. See Dys, Connicus, and

Logge and the records are records as a constitution of the Problem I properly an Appending or a Column 3 rose an effectial Part hereot's the Δ. i.e. Care which it is Effecting a complete Order. See Const. are records as a constitution of the Column I for the Column I for the Column I for the Modern make the Problem of the Comments in all the Column I for the Modern make the Problem of the Comments in all the Column I for the C

Height of the Peachal. Tuffon Pennsyat., is the fimplest, and the lowest.

Palladio and Scamood, make it three Modules high; Vi-

Patients and Scienceson, make it times industing in preguets 7. See Proposition.

Its Members in Vignels, are only a Planth for a Bafe, the Dye, and a Zidner cowned, for a Corniche.

The Vigner Column has rarely any Bafe. See Tuscan.

Deric Pedictor and Science Models from the South Models, for Minutes high, Vignets Modeles four Minutes.

All mutes high, regions Modules four Alliutes.

In the Antique, we not only don't meet with any Posters state, but even, not with any Bafe in the Done Order.

The Members in Vignales' Done Designation, are the fame with thole in the Infeat, with the Addition of a Monchette

with those in the Influen, with the Addition of a Mouchette in its Corniche. See Doate, Joine Paparat, in Vignola and Serhe, is 6 Modules high; in Someons; 5; in the Temple of Fortuna Virtin the 7 Mod. 12 Min.

Its Members and Ornaments are mostly the same with those

of the Dorse, only a little richer.

The Pedefal new ufually follow'd, is that of Virrovian 3, the' we don't find it in any Work of the Antique.

Some in lieu heroof Ule the Artie Bale, in imitation of the

Ametents. See ATTIC.

Corintibius Pinnerral is the richeft and most delicate.

In Vignole 'tis 7 Mod. high 1 in Palladio 9 Mod. 1 Min. in

Serilo 6 Mod. 15 Min. in the Colforms 4 Mod. 2 Min.

In Members in Vignola are as follows: in the Base are a See ATTIC.

Plintb for a Socie, over that a Tore carved; than a Reglet, a Gule inverted and inrich'd, and an Afragas.

In the Dye are a Reglet, with the Conge over it, and near

the Comiche a Regist with a Conge underneath In the Corniche is an Afragal a Frieze, Fillet, Afragal, Gorge, Talon, and a Fillet. See each under its proper Ar-

Competite Pedestal, in Viguela, is of the fame Height with the Corinthum, wis. 7 Mod. in Scamonai 6 Mod. 2 Min. in Palladio 6 Mod. 7 Min. in the Goldfinishs Arch 7 Mod.

Its Members in Vigaola, are the fame with those of the Co-rinthian, with this Difference, that whereas these are most of 'em eurich'd with Carvings in the Cornibian, they are all

plain in the Compylie.

Nor must it be omitted, that there is a Difference in the Profiles of the Bafe and Coruiche in the two Orders. The Generality of Architects, Daviler observes, use Tables or Pannels, either in Relices or Creus, in the Dyes of Petersels; without any regard to the Character of the Order. Those

rass; without any regard to the Character of the Order. Those in Retieve, he observes, only fit the Tustons and Device, the three others must be indeuted; which he adds, is a Rules of Solidity.

Rules of Solidity.

Synare PENBEYAL, is that whole Height and Width are equal; as that of the Arch of the Lyons at Verons, of the Counthian Order; and fuch, fone Followers of Virtueirus, as Strike, Pholander, &c. have given to their Tufans Orders.

Orders.

Scale Penderral, is that which supports two Columns, and is more in Width than Height.

Continued Penderral, that which supports a Row of Columns without any Break or Interruption; such is that

eres on the Side of the Garden.

Taillers on the Side of the Garden.

\*\*Pennstrais of States, are those ferving to support
Figures orStates.\*\* So States, are those ferving to support
Figures of States, are so Part of Architecture more ArFigures of States.\*\* So States, are the support
Figures of States of States, are the support
Figures of States of States of Architecture more ArFigures of States of States of Architecture more ArFigures of States of Architecture of Architecture
Anniquity is on any eren factoring for States of States
There is no fettual Proportion for India Architecture
Architecture of Architecture of Architecture
There is no fettual Proportion for India Architecture
Architecture of Architecture
There is no fettual Proportion for India Architecture
There is no fettual Proportion for India Architecture
There is no fettual Proportion of the Filterio Part States
There is no fettual Proportion of the Filterio Part States
There is no fettual Proportion for India Architecture
There is no fettual Proportion for India Archit

Height depends on the Situation, and the Figure they fuffain. Yet, when on the Ground, the Pessepal is usually two thirds, or two fitths of that of the Statue: But the more Massive the Statue, the Gronger the Pedefiel.

Their Form, Character, &c. are to be Extraordinary and In-

Their Form, Giarafter, téé, are to be Extracellury and In-genious, far from the Regularity and simplicity of the Epi-diphi of Columns. The fame Austor gives as a great Va-erie yet forms, Oal, 'I frangular, Maningular, Efs. (I for the experimental of the experimental of the experimental than the experimental of the experimental of the experimental than the experimental of the experimental of the experimental experimental of the experimental

Cherries with the shortest Pedicles, are effected the best. The Pistil of the Flower frequently becomes the Pedicle of

The Futtl of the Flower requestry becomes the Trainsee with Fruit. See Playriz.

The Word is a Dimmetive of the Lostin, Pet Foot.

The Word is a Dimmetive of the Lostin, Pet Foot.

PEDIMENT, in Architecture, a Kind of Iow Pinnacles ferving to crown an Ordinance, or findin a Footifficee, and placed as an Ornament over Gates, Doors, Windows, Niches, Allers Eds. Comments See

placed as an Omainent over Gates, Doors, Windows, Niches, Altars, Ec. Sec Gnowning, Esc. The Pinnacles of the plained Houfes, Firmeius observes, gave Architecth she first lease of this noble Part; which fittle retains the Appearance of its Original. See Pinnacles.

The Parts of the Pediment are, the Tympanum, and its Corniche. The first is the Pavnel naked, or Area of the Pediment, enclosed between the Comiche, which crowns it, and the Enrablature, which serves it as a Ease or Socie. See TYMTA-

rablature, which ferves it as a Bafe or Socie. See Trara-nums, 150. Architects have taken a deal of Liberty in the Form of this Member: Nordo they vary lefs as to the Proportion of the

Pediment. Pessivers.

The most beautiful, according to Deviler, is that where its Height is about one fifth of the Length of its Bafe.

It is described thus: divide the Line of by Tab. Architecture

It is deferibed thus: divide the Lone  $s \varphi_i$  than Aronteoure Fig. [1] which is the Lought of the Brighint two equal Parts, in the Point s, by means of the Perpendicular  $f s_i$  in this Perpendicular, when the Part  $s_i$  dependently and from the Point  $s_i$  as a Courte, deferibe the Arch  $s \in b$ . The Point of the Perpendicular cut in  $s_i$  will be the Top of the Perfendent  $s \in b$  in the Comiche, and the Triangular Space included the Perfendent  $s \in b$  in the Comiche, and the Triangular Space included therein, the Tympanien

theren, the 23m/mmm. Herrican projects a Word which fig-Firmant calls the Pointend of an Middle, which fig-Firman calls the Pointend of an Middle, which for a among the Roman was peculiar to Tenny, which read among the Roman was peculiar to Tenny, among the Dellinghoods are occur'd in the Platform manner; and Salmofain on Solin tolerves, that Gefor was the first who cheain'd leven to Ken Bis Holice with a Ridge or Delecar, after the namer of Temples. See PLAX-103M, See PLAX-103M.

They tells us that Pesiments were trit made to place States upon, whence they were call'd Plagid. Gmeetines an equilateral Triangle, call also a pointed Pediment; some-times it is Grauler; the Televin otherws, that we have no Instance of round Pediments in the Antique, befide those in the

hapels of the Resende. Sometimes its upper Corniche is divided into three or four

Sides, or right Lines. Sometime is a vivided into raree or some a Topy which is an Abufe introduced by the Moderns, pirtuality Middesel Angolo 3 for the Delign of this Para, at least over Doors, Windows, &c. being chiefly to theire ritori un-derneath from the Raio 3 to leave it open in the Middle, is to frustrate its End. Sometimes the Pesiment is form'd of a couple of Rolls, or Wreather, like two Confoles join'd together. See Consoles.

Wreather, like two Confoles Join'd together. See Constock. Sometimes the Positiment is without Baff, or its lower Centiche is cut out, all but what is beflow'd on two Columns, or Plalders, and on thefe an Arten of Sweep rais'd, in lieu of an Batablature 4 of which Service gives as Influence in the Autique, in a Cerimbian Gate at Folgary, in Unabria; and Dawyeler, a more Modern one, in the Charch of St Peters with the Charch of St Peters and Charles and Char

Under this kind of Pediments, come those little arch'd Corniches, which form Pediments over Doors and Windows, supported by two Consoles, in lieu either of Entablature or

Sometimes the Pediment is made double, i.e. a left Pediment is made in the Tympseum of a larger, on account of fome Projecture in the Middle; as in the Frontifpiece of the Church of the Great Jefas at Rome; but this Repetition is

an abute in Architecture; the authorized by very good Build-ings; as the large Pavillon of the Lawre, where the Carya-takes Support three Pesiments one in another. Sometimes the Tymposium of the Pesiment is cut out, or

left open, to let in light; as we fee under the Portico of the

left open, po let in light; a wer for under the Perrico of the Carpinal Resus.

Lathy, risk open Polismor in Sometimes misspallar, and enach'd with Solopuro, 3t Roffe, Learer, gife, as we fine and M. B. Gerre deferres, that the Medillicas in the Corniche of the Polismors Hood always andree cashly over these of the Emblustras. Indeed, Pirirumor Say, the Anciens did not allow any Medillicas at all in Polismors. See Montalities, and were the Polismors and the Pirirum Say the Anciens did not allow any Medillicas at all in Polismors. See Montalities, or The Line M. t. Chris chierce, that the Cambe which ferres the Polismors as a lath, field there we Capitalities. by reason the Cymatium of the relt of the Entablature, when it meets the Pediment, passes over it.

This Change of Determination occasions a confiderable Dif-Into Change of Petersians, in this Cafe, appearing too broad in the Turn of the Angle. To remedy which, the Architects have recourse to several Expedients.

A pointed Pediment may crown three Arches; but a circu-

Las Pediment can only crown one agreeably.

One wou'd never use above two Tympens over each other in the fame Frontifpiece; and even where there are two, 'twou'd be proper to have the lower Circular, the upper The Word is form'd of the French Pere and Degree, q. d.

Degree of Fathers or Ancestors.

PEDIGREE, Descent or Genealogy. See Descent and GENEALOUY.

PEDICULARIS Morbus, in Medicine, the long Dif-temper, a Difeate arising from fome uncommon Corruption in the Body, which generates infinite Quantities of Lice on the

Skin. Herod died of the festiculer Discase
The Word comes from the Latin Pediculus, Loufe.
PEDLEAN, in Antiquity. The City of Albent was an
entently divided into three different Quarters; one on the Defects of a Hill; another on the Sea-shore; and a third a Plain between the two.

The Inhabitants of the middle Region were call'd Hesenie Pediagnis; or according to Arifosle, Pediagi, those of the Hill, Discrisus, and those of the thore, Paralians.

Hill, Diecetain; and those or too lattine, variation. These Quarters usually composed to many different Paciliosa Phillipriates made use of the Pedisters against the Discress. In the time of Solow, when a Form of Covernment was to be chosen, the Discriment would have it Democratics; the Pre-discess demanded an Arispersory; and the Paradias a mixt

Government
Government
In form't from the Government
Government
In form't from the Government
In Facility LEUS, in Anatomy, is the fector of the Extendic Audices of the Fox, Pirty shere, its Name. See Fox.
It has its Origin in the lower Part of the Premezon, and mainter Ligament, and is divided into four Terdors, which are inferred into the coremal Part of the first Articulation of III UR it is to secured she Economic Control of the Contr

Its Use is to extend the Foot together with the first of the Extensors, call'd Extensor Communis. See Exvensors.

Deda RAPTISM. See Pano Baptism.

Exemple, and Exemple Commits. See Exercation.

FERENCICULT. In Antonny, two modulary proceeds of the Carcillone, wheeley that Part is join do to the Admids Exemple of the Carcillone, wheeley that Part is join do to the Admids Exemple of the Carcillone, wheeley that Part is join do to the Admids Exemple of the Exemple of

PEDOMETER, or PODOMETER, or Web-onlyr, a Me-chanical Inframent, in form of a Warch; conflicing of various Wheels with Teeth, catching in one another; all difficient in the fame Plane; which by mensor of Chain or String fathed to a March Poor, or the Wheel of a Chariot, advance a North each Strp, or each Revolution of the Wheel; for that the Number being marked on the Edge of each Wheel, one may namber the Paces, or Measure exactly the Distance from one Place to another. See War-wiss.n.

The Word is form'd from the Greek wis. Per, Foot; and

piepor, Meafure. POMERATION, is fometimes, alto, us'd for a Surveying Wisel, an Informent chiefly us'd in measuring Roads; popularly call'd the West-orifer. Which fee

PEDRERO, or PETTERERO, a fmall Piece of Ord-

nance, chiefly un'd on board Shipu; for the difcharging of Nalls, broken Iron, or Partridge Shot on an Essemy strongs, ing to board. See Consances and Monran. They are generally open at the Enrech, and their Cham-ber made in the out, no be loaded that Way, in lieu of the Munzle. See Ciramana. PJEEK, in the Sea Language, a Term un'd in various

Senfes. E.gr. an Anchor is fald to be s-feek, when the Ship be-ing about to weigh, comes over her Anchor, to as the Cable hangs perpendicularly between the Hawfe and the Anchor; the bringing of a Ship into which Position they call kessing a-

A Ship is filled to ride a feek whom the lies with her Main.

A Ship is filled to ride a feek whom the lies with her Main which is chiefly down to the Shrouid, and the other risid upon his which is theifly down when the lies at trell in Rivers, led other Ship is filling (soil on her, flood braik her Xards), and the Arabin the ride of the Rivers of th

The Room in the Hold, from the Bitts forward to the Stern, where Men of War keep their Powder, and Merchant Men their Vistuals, is also call'd the Peck.

PEER, Per, denotes an equal, or one of the fame Rank and Condition.

and Condition.

Hence, in some Councils or Assembles, we find, weith the Council of our Perer, Bipopt, Albort, &cc.

Guiffast of our Perer, Bipopt, Albort, &cc.

He lime Lond, who were doliged to free and suffit him in his Counts: They were cell'd Perer, because quality him loss counts: They were cell'd Perer, because quality Free council, and Perer in Englis or Fees because, holding Fees of the Lond, or because their Business in Court was so fir and indeed moder their Lond of Diffusers arising on Fees. See

VASSAL. VASSAL V

VASSAL.

There are Inflances of Women, who have affilted at Judgements, on account of their Tenements, nor of their being Wives of Perrs.

Judgements, on Ecount of Inter I communs, not to the Judge of the Judge of Judge of Judge of Judge of Judge of the Ree they were professed to judge of a from their we derive our common Judge, and our Peres of the Reelm. So as the Act of the Reelm of th

The Inflitution of these Poers is very uncertain; some re-er it to Hogo Coper, at the Time when the Dukes and County

The initiation of node Neu'ra very MacGrain, some re-clanged the Olice her, then their of the King labor persuals Fight. But this is impufilled, Changdger nor being then changed the Olice has been in Parcia and IA gas.

Of their Parcia, the are Dales, and fix Couras, Compters or of their gain, is on Excladibled, and fix Lyonen. The other angle from Excladibled, and fix Lyonen. The Dubts and Parcia the Hillynop of Noyen, Chalme on the More, and Parcia, the Enthrop of Noyen, Chalme on the Arm, and Parcia the Enthrop of Noyen, Chalme on the Arm, and Parcia the Enthrop of Noyen, Chalme on the Layperen and Dubts, and the Couras of Flanders, Chan-gon, and Tologia Daypers and Coursino of the King in Carmony, and by way of Representatives where each performs the Parcial cannot do the referrible Digitary the the Perchip he in really als except Flanders, remined to the Perchip he in really als except Flanders, remined to the Perchip he in really als except Flanders, remined to the Perchip he in really als except Flanders, remined to first them.

the Cosm. Six Louds of the tirt Quanty are context to sepa-fered 'con. Easility Generalisty, tidin in Perfox.

The Enterth of the Perion France in belowed as, in Eng-leads, on every Loud of Perfox, whole Fee is excited into a Loudling or Perfox, who for Fee is excited into a Loudling or Perfox, and the Perfox Compared of the Per-city, the titil Dippriy in the Enforth Empire, on the Model where the Engled their Perris to have the infittence.

The Perris Carries, or of First, because of their being equal to each other Carries, and First, because of their being equal to each other Carries, or of First, because of their being equal to each other.

Thefe Pares Caries, on whose Model they suppose 'em to have been crecked, were a Kind of Vassals depending on the all same Lord, whom they were obliged to attend and assist in

| Р | Ė | G | Ċ | 773 | ) | P  | E |
|---|---|---|---|-----|---|----|---|
|   | - | _ | \ | 1/2 | , | A. | - |

All Foodal Matters or Disputes among Vassals relating to their Fees or Dependances, were terminated by the Superior Lord of the two contending Parties, and by their Peers in

If the Process were between the Lord and the Vassal, the Lord took no Cognizance of it, and the Peers alone judg'd it. See PEER.

See Fig. 1.

Hence, all Lords or Nobles being Port Noblitus, is, all algually entitled us the Privilege of Noblity, as denominated Ports Reput. Privar of the Ream.

Same Authors are been sufficient to the Privar desired and the state of Ports of the Montal of Privar of the Montal of the First which best the Names of Dunkine, & Fore or give Thies to the Port, were not creded into Duckine, & Fore or give Thies to the Port, were not creded into Duckine, does not come than fample Governors of Porvinces, without any other The Names (and the Ports was 64, this Por

The more probable Opinion is, that Peers were first in-filituded by Phillip the young, of France, about the Year 1719; and that they first acted in Capacity of Peers at the

mation of his Son.

Coronation of his Son.

PEERAGE, the Dignity of a Prer, attach'd to a Dutchy,
Earldom, or the like. See Penn.

The Kings of Digitals and France confer Perrogs at Pleafure. His prefent Majelty of England offer'd his Parliament
to refign that Branch of his Perrogative, and to have the

Number of Peers flinted.

The Reason infilted on, was the Inconveniences accruing to the State from an Arbitrary and immederate UIe thereof. The Prince having it hereby in his Power to throw what Number of his Greatures he pleafes into the Upper-house of The twelve Prers created at once in the late Reign, was a

main Argument in behalf of the Petrage Bu The recorded as a popular Saying of King Charles, that if his Friends cou'd but fecure him a Houle of Common, he'd throw his whole Troop of Guards into the Upper-house, but he'd have the Perry.

hed have the Perri.

76 held Land in Peeregg, in the ancient Caffons,
was a Tenure which obliged the Perfon to affilt the Lord's
Bailiff in his Judgements, as all the ancient Vatilis, call'd
Perr did. See Para and Vasata. See also Travers.
Para, or Para, in Building. a Mattive of Score, 62. opofed, by way of Fortrefa, against the Fonce of the Sea, or a great
liver; for the Security of Sings, that lye at Hathous in any

Haven Such is the Peer of Dover described by Cambden, Brit. The Haven and Peer of great Tarmouth, mention'd 22d. Car. II.

The Word in this Senfe, is form'd from the French Pierre,
Stone. See Pierreorr.

Pers are also used in Architecture for a Kind of Pilasters or Buttreffes, raifed for Support, Strength, and Something for

Omameo PEGASUS, among the Poets, a Horfe imagin'd to have Wings; heing that whereon Bellerophon was iabled to be mounted when he engaged the Chimera. See Chimera. The opening of the Fountain Hippecrene, on Mount Helicon, is afcribed to a blow of Pogafit's Hoof.

It was feign'd to have flown away to Heaven; where it be-

came a Conftellation. Hence
PEGASUS, in Aftronomy, a Conftellation of the Northern Hemisphere, in form of a flying Horse. See Constant LATION.

The Stars in this Constellation in Ptolemy's Catalogue 20, in Tycho's 19, in the Britannic Catalogue 91. The Longitudes, Latitudes, Magnitudes, &c. whereof are as

# Stars in the Confiellation PEGASUS.

| Names and Situation of<br>the Stars. | Longit,   | Latitude.<br>South. | Magnit |
|--------------------------------------|-----------|---------------------|--------|
| 10 0 1 00 1 0                        | · i ii    | * ( 0               | F      |
| receed? In the Triangle over Pe-     | 25 58 39  | 33 18 39            | 4      |
| North, Sgafar's Mouch,               |           | 36 09 30            |        |
|                                      |           | 19 38 14            |        |
|                                      | 24 36 55  | 18 46 05            | 6      |
| 5                                    | 29 49 32  | 31 28 35            | 6 7    |
|                                      | 23 17 16  | 15 21 40            | 6      |
|                                      | 25 21 50  | 18 22 16            | 6      |
| erafia's Mouth                       |           | 23 07 16            | 3      |
| ofter, and South, in the Triangle    | ¥ 0 41 04 |                     | 4 5    |
| the Heel of the Preced. Foot         | 4 37 10   | \$6 \$9 05          | 4      |
|                                      | 35 39 21  | 15 06 59            | 6      |
|                                      |           | 14 05 10            | 6      |
|                                      |           | 28 28 18            | 6      |
|                                      |           | 40 15 40            |        |
| **                                   | \$ 10 10  | 18 46 07            | 6      |

| Names and Situations of | Longitd. | Lacitud |
|-------------------------|----------|---------|
| the Start.              | 00       | South,  |
| ,                       | 6 14 27  | 26 07 0 |
|                         | 1 15 20  | 23 01 4 |
|                         | 0 16 21  | 1746 1  |
|                         | 1 05 19  | 19 06 3 |
|                         |          |         |

South, of two in the Head 11 19 57 37 40 34 10 04 09 34 16 48 In the preced. Knee

North, in the Head

In the Heel of the hind Foot

Small one against the Ear. North, in the Ear, or rather inform, In the Top of the Main, preced. of

North, of the Triangle Pofter, and South, in the fame

Preced, of the Contig, Stars in the South, in the hind Knee North, in the fame Knee

Last of the Contig. in the Neck Preced of two in the Breath Subfeq. North of two in the Main South, of the fame

In the rife of the hind Leg, School In the Shoulder of the Wtog, Markab Preced, of the North in the fma!! That under Schess (of the Neck Preced, of South, in of Neck Laft of North,

Last of South

North, of two under the Wing in the Preced, of 5 in the Belly Proced of two behind Markale

South, of two under the Wing 70 That behind Markab That in a right Line with the 69th Third and Middle in the Belly

Preced. in middle of the Wing

Fourth in the Belly South of five in the Belly Middle, in the mid. Wing

North in the mid. Wieg. 85 North in the Extrem. of the Wing In the Navel, Andromeda's Head

Tip of the Wing, Algerith
South, in Extrem. of the Wing.

2 51 41 21 47 57

G

2 28 45 16 21 48 15 06 15 41 03 45 \$ 48 52 29 58 40 40 59 52 - 15 15 13 40 59 52 H 19 42 07 44 24 20 € 4 48 to 15 01 47 4 5

6

6

6

6

6

6

PEGMATES, or PEGMARES, in Antiquity, a Name iven to certain Giadiatori, as well as Artificers, among the given to certain Glad; The Ancients fometimes exhibited Shews of certain Ma-chines, call'd Pegmata. These were a Kind of Scassolds, variously adom'd, fomewhat after the Manner of those now

varioulty atom of, tonewast enter the stanmer or into-carried for Fire-works.

These Scaffolds being made to play, either threw up into the Air the Matters wherewith they were chang'd; and among the rest, Men, who were thus facified to afford the People Disterion, or they precipitated 'em into Holes dug in the Graund, where they lighted their Funeral Piles; or into the Dens of wild Beatls.

Now, both the miferable People thus facrificed, and the

Workmen that made and play'd the Machines, were call'd

According to Cafaulon, Fire was fet to the Scaffold, d the Pegmates were to fave 'emfelves thro' the Flames, and the Pegmates were to fave and the Wrack of the Machine.

and the Wrack of the Machine.

Lyffies lays interpoly, that the Population were fish ClediaLyffies lays interpoly, that the Population were fish ClediaThey were allo call'd Potentyfer. See Grannaron.

FRIRCED, in Hershrly whose nordinary, or Charge in

Heraldyh atha Alole in it, fo that the Field appears through

they fay that offdiany, or charge, in Parent S. See Prancen.

FELIGAIANS, sexions Hercitchs, well known in the

The Markon of this See, "Powerity, recovery call" Morror.

Church by the Writings of St. Angujum. See Herric.
The Author of this Sect, Ponegus, properly call'd Morgan,
was an Frijo Monk, Cetemporary with St. Ferwa, and St. Anguith. He quitted his Coamty to go and live in the Eaft; according to the Ceitons of the Monks of those Days, who
were not attach'd to particular Houses like those of our

He absolutely denied all original Sin, which he held to be the mere Invention of St. Augustin; and taught that Men are entire Masters of their Actions, perfectly free Creatures, in opposi-tion to all Predestination, Reprobation, Election, &c. Sec

tion to an Freedinance, Reproducing, Election, Ed. Sec Originate, Sip. Pardestribulations.

He own'd indeed that the natural Power of Man needed to be affilted by the Grace of God, to enable him to work on his own Salvation; but by this Grace, he only meant outward Affilhance, execute Doctrines of the Law and of the

ontware americae, essente Doctrines of the Law and of the Goffiel. See Gin & Er.

Tho', when prefid by thoft Works of St. Paul, Paul of enim, and opin operatur in sobis, Sc. he own'd that 'tis God, in office, that makes us will what it good, when he wans and excites us by the Greatness of the Glosy we are to obtain, and by the Paulife of Poursele. Promifes of Rewards; when he makes us love him, by re-vealing his Wildom, &c.

Thele are Pelegins's own Words, as cited by St. Angustin; who confutes him, and shows that beside these exterior Graces, there are required other real and interior

Pelegius own'd further, that the Will of Man is indeed aided by a real Grace; but added that this Grace is not absolutely necessary in order to live well; but only helps us to do well with the more cafe.

Julian, one of his Adherents went further yet; and own'd that the Affiltance of Grace was absolutely necessary to enable

that the Amutance of Crace was abnounced precisiary, we enable us to do perfect Works.

In effect, the grand Doctrine of the Pelegians, was, that a Man might accomplish all the Commands of God by the more force of Nature 3 and that the Gifs of Grace were only necessary to enable him to act more easily, and more persecutive to enable him to act more easily, and more persecutive to the contract of the contract of

fectly.

PELAGLE, in natural Hiftory, a Term used to express fuch Sea-Shelliand Fiftes, as never, or very rarely, are found near the Shores; but always reside in the Deep, or in those parts of the Bottom of the Sea, which are most remote from Land.

Sec SHELL. The Word is form'd of the Greek wasay's, Marine, be-

The word is formed of the utile stable 98, Morine, be-longing to the See, fibe Prils. See Curry of the Felli-PELLES, Clerk of the Prils. A Kind of double Vellil; endinarily of Glafs; infed in diffilling Liquors by Circulation. See Double Vellil, and Circulation.

to draw Teeth.

to draw Teeth.

PELLICAN, again, is the Name of an ancient Piece of Ordinance, equal to a Quester-Garberin, and carrying a Ball PELLICALE, a Diminative of Pellis, BELLICALE, a Diminative of Pellis, Sin, a thin Film, or Feagment of a Membrane or Skin. The Epidemac of Califolds, is altitle Pelliske covering the Downs, Emily or Skin. See Covicion.

The Valves of the Velos and Arrives are infenfible Pellis.

The Valves of the Velos and Arrives are infenfible Pellis.

eles, which open and that to promote the Circulation. See

tes, which to be a superior of the state of

774 PELICOIDES, in Geometry, a Figure, in form of a PELICOIDES, in Geometry, a Figure, in form of a the Heticket 3 whence its Name; from the Greek wikasse Harchet

Such is the Figure  $\mathcal{BCDA}$ , Tab. Geometry Fig. 45. contained under the two inverted Quadrantal Arks  $\mathcal{AB}$  and  $\mathcal{AD}$ , and the Semi-circle  $\mathcal{BCD}$ .

The Area of the Pelicades is demonstrated to be equal to The Area of the *Petitologis* is demonstrated to be equal to the Square  $AC_0$  and that, again, no the ReChangle  $E^2$  it is equal to the Square AC because it wasts of the Square on the lett-hand, the two Segments AB and  $AC_0$ , which are equal to the two Segments B of and  $CD_0$ , by which it exceeds on the Right-hanc

ELLUCID, a Term of the fame Import as Displications Princeton, See Transfarent, Se.

Princeto, Stands opposed to Opeke. See Opake.

The Word is form d of the Latin Politice or Perince, I

PELLUCIDITY, Diaphaneity or Transparency. See

PELTA, in Antiquity, a kind of Buckler, ufed among the Ancients. See Buckler. The Pelts was small, light, and more manageable than the

The POIS was imail, light, and more manageable than the opened. See Parma.

It appears from Virgil, and other Authors, that the Poliss was the Backler used by the Amazons: And Xenophou ob-tives that the Polis of the Amazoni was like a Leaf of was the

Pliny speaking of the Indian Figuree, fays its Leaves are the Width of the Amazonian Petra. Servins on the American the Polta refembled the Moon in her first Quarter.

fays, the Potta retembed the Moon in her het Quarter.
PELVIS, in Anatomy, the lower-part of the Cavity of the Modern's; thus call'd from its retemblance to a Bafon or Ewer, call'd in Jatin, Powis, See Anaposts.
The Polivit is always much larger in Women than Men, to give Room for the Growth, Eff. of the Farms.
The well fortified with Bones, to akreen the Contents from

external Injuries

external lojulités

FLEVIL, of FLEVILOPS, à longe Membensons Sinne, or

FLEVILO, d'External de la longe Membensons Sinne, or

FLEVILOPS, d'External de la logica del logica de la logica del logica de la logica de logica de logica de logica del logica

&c. Sec URINI PEN, according to Combden, originally fignifies a high Mountain; which was thus call'd among the ancient Britains, and even Gottle.

And hence that tall Range, which parts Italy and France, is

And hence that tall Range, which parts 11619 and Frame, as call'd Apeninest. See MONNTAIN.

Pley, is also a little Instrument, usually form'd of a Quill, and serving to write withal. See Walvino.

Dutch Pens, are those made of Quills which have been

"Mitch Press, are thefe made of Quills which have been picked thro look Albes, to take of the groter Fat and Modification of the Control of the Press, Albest, and the Press, Albest, and the State of the State of the Good gate, placed in the Water of a Mill-presd, or the like, to retain or leg to the Water of a Mill-presd, or the like, to retain or leg to the Water of a Pill-fresd, or the Storen.

FENANCE, it properly the Exercise of Pentinence, and may be defined a Fealintment, other voluntary, or imposed by a

legal Authority, for the Faults a Perfon has committed. See In this Sense the Romanists define it a Sacrament, where-

in a Perfon, who has the requifite Difpositions, receives Absolution at the Hand of the Priefl, of all Sins committed

nation at the Hand of the Predit, all all Sine communications the Control of the

PENANCE, is particularly nied in the Rowijb Church, for the renalty which a Confettor imposes, for the Satisfaction of the class whereof a Person is absolved. See Confession and

ARSOLUTION. The ancient Difcipline, *Div-pin* observes, was very severe on the Head of *Penineze*. For great Grimes People were excluded the Communion of the Cherch, expell'd the Afferbites of the Faithful, obliged to fat, and to mortify enclose publicly, even at the Church Door, cut their Hanfelves publicly, even at the Church Door, cut their Hanfelves publicly, even at the Church Door, cut their Hanfelves publicly.

go always on Foot, &c.

He adds, that these who had done publick Pensonce, were never admitted into the Clergy 3 and that public Pensonce was

hever guanted more than once. Those who feel a fector of the work of the feel of the contract of the feel of the f

arrow.

If the Crime be not notorious, the Canons allow the Punishment to be commuted at the Parties Request, for a person

natured to be commuted at the Parties Request, for a possi-niary Mulet, for the Benefit of the Poor, &c.

PENATES, in the ancient Mythology, a Term applied to all the Domestic Gods, whom the Ancients adored in their Houses; whence ... See LARES. whence they are ordinarily confounded with the

Authors are not at all agreed about the Origin of the Dit treastes, who were properly the Tutelary Gods of the Tro-aus, and were only adopted by the Ramans, who gave 'em the

Sant, and were only adopted by the Ramania, who gave tem the The Macarons, in his Nesseon Dubbe, Phillie to Rama, pelate as then, which was dearly the Ramania on his Subject! Dubby Radionous, fine the substantial of the mixed was the substantial of the substan

Farre Sechoi: the Penase from Samsdraste to Physics, to be afterward transported by Joint into Bady, that they not be afterward transported by Joint in Bady, that they were called Penasy from the Listin Words Per quar penus, grants be fanght in the Physics, not the Latin Yangung made to fanght in the Physics, not the Latin Yangung made to the American Control of Penase and Code to Penase of the Mexican 5 thick is Paules in the Etherial Region, Jupiter in the middle Region, and Juno in the Owther, Panuser of Urita, Panuser of present

So that in effect, the Dii penates were the Guardian or

oo that life the street of the Cuero, in John's Gelinsi, derives the Word hence, quad fe-ven ros not fill time. Tex, in his Book & Not. 20 For. he lays 'instead from Perust, Provision; or, perhaps, adds he, quid-giniss infident. Others flay, quid adulature in Perustalism. 'This apopular Quellion among the Lamend, who were the Postness of Roma?' Some flay Fifts, others Nepture and Africa-les of Fives lays Cafifor and Politics, with whom agrees Volkins, who adds that the Reation of their chairing Capital and Poli-Ine in quality of Penates, might be the important Service they did the Romans in the War against the Latins. Nor are Authors more unanimous on the Subject of the Pe-

Nor are Authors more manimous on the Subject of the Per-senter, which Affais brought into Belys. Some Iay they were Noptume and Apollo who built the Walls of Yory; others Ju-jects, June, and Minorway others Celtis and Yerra, PENCIL, an Internaent seled by Painters, for the Applica-tion of their Colours. See Cotoous.

There are Penals of various kinds, and made of various Matters: The most usual are of Badgers and Squirrels Hair, those of Swans-down, and those of Boars Briftles; which last

there of Swamedown, and their of Bears Britlers, which has as be bound on as Sock bayer, or left, according to the UEs they are delitted for; and when large are call M Tropies.

The Word cones from the L Aris, Permillion, which figure the them Thing. The Ancient, M. Ribbier observe, but P Permil rands of little Heres of Spange, where deads-feed P Permil rands of little Heres of Spange, where deads-feed P Permil rands of little Heres of Spange, where deads-feed P Permil P Perm

is call'd the Ast is a Feeting at Moy; and the Line B Lo Experiment of the Penedic Penedic PENDANT, an Ent-ring, or Ornament, of fome precious Matter, were by the Ladies; hung by a Hole made for that purpose thro' the Ear; and frequently enriched with Dis-monds, Petris, and other precious Stones.

The Pendants of the European Ladies are nothing in comparison with those were by the E. Indians, both Men and Women; a mong whom 'is the Fashion to lengthen out the Ears, and to enlarge the Hole, by posting in Pendants of the Sixe of Sancers, fer with Stones.

Once to canacers, let with Stones.

The Queen of Casitut, Peyrord tells us, and other Ladies of her Coart, have their Ears, by this Means, weight'd down as too was their Berasits, and even lower; is imagining this a main point of Beanty; and the Holes large crought to pairs the Fifth.

The Massais, who are the common People, are not allow-ed to wear their Ears fo long as the Naires, who are the No-bleffe; three Fingers length are the utmost streeth allow'd the

In the W. Indies, Columbus named a certain Coast Oreja, by reason he found People with Holes in their Ears big enough

o pafs an Egg thro'.

They make Holes, too, in their Lips and Nostrils, and hang
Pendants at 'em; which is also peachs'd by the Mexicans and

other Nation,
PENDANT, in Heraldry, a Term applied to the Parts
hanging down from the Label, to the Number of 3, 4, 5, or
6 at most: These must be specified in Blazoning, when
there are more than three. See Lanue.

They refemble the Drops at the Bottom of the Triglyphe in the Doric Freeze.

PENDANT Faithers, in Falcoury, are those Feathers, which grow behind the Thighs of an Hawk. See Feathers.
Predants, among Florids, a Kind of Seeds, growing on Stamina, or Chives; fuch are those in the middle of Tulips, Lillies, &c.

PARDANTS of a Ship, are of two Kinds.

I. Those long Colours or Streamers, cu

 Those long Colours or Streamers, cut pointing out to-wards the End, and there divided into two Parts, and hung out at the Heads of the Mails, or at the Yard-arm Ends, are 

into which the Braces are reev'd.

denti, into which the Braces are rev'd.

ENDENTIVE, in Architecture, the whole Body of a
Vauli, fulpended out of the Perpendicular of the Walli, and
basting against the Art-bourants. See VAUV.

Devolver defembes it as a Portion of a Vault between the
Arches of a Done, utually eartich d with Scaipture: And
Folderin, as the Plain of the Vault, contained between the
double Arches, the forming Arches and the Ogives. See GIVE.

The Pendentius are usually of Brick, or foft Stone ; but are must be taken that the Couches of Beds of Ma-Care muit be taken that the Couches of Beds of Ma-fonry be always laid level, and in right Lines proceeding from the Sweep whence the Rife is taken. The Joins too muit be made as finall as potible, to fave the Necestity of filling 'cm up with Wood, or of using much Morris and the state of the state of the Necestity of the Nece

Mortar.

PENDULOUS, Enging down a Name Botanifts give to those Flowers which hang downwards; the Stalk not being able to studies orm prights. See Frow 12.

PENDULUM, in Mechanicks, any heavy Body so suffered as that it may vibrate, or swing backwards and forwards, about form fard Point, by the force of Gravity. See

VIBRATION.
The Vibrations, or alternate Afcent and Defcent, of the Penthm, are call'd its Ofcillations. See OSCILLATION. The Point on which it vibrates, is call'd the Centre of Suf-

ne Fourt on which it obserts, is call'd the Centre of Sug-enflow or Motron. See Centre and Sustention. And a right Line pating thro' the Centre, parallel to be apparent Horizon, is call'd the Axis of Optification. ce Axis.

See Axxs.
The Vibrations of a Pendulum, are all flacbronal, or effected in fraces of Time perfectly equal. See Isochronal.
And hence the Fendulum becomes the most accurate Chronometer, or Instrument for measuring Time, in the World.

See TIME and CHRONOMETER.

And hence allo is Vibrations are proposed as an invariable and universal Measure of Lengths for the most diffact Countries and Ages. See MEASURE.

tries and Ages. See Mix. As win.
For a Vibrotion being once found precifully equal to a fe-cond of Time of the Suss mean Motion; if e.g. the Honry
Foot (as M. Hongers calls the third Part of his fecond Pendollard Compared to the English Standard Foot, be as 95 to to
See 1, with the staff, by Calculation, to reduce all the other
Mexitares of the World to their Feet; the Lengths of Pendalards, reckoal from the Point of Sulpenfiles, to the Centre of the Ball, being to each other, as the Squares of the Times

wherein the feveral Ofcillations are perform'd; and therefore reciprocally as the Squares of the Numbers of Ofcillations preform'd in the fame Time.

preform d in the same 1 mme.

On this fame Principle, M. Monton, Canon of Lyon, has a pretty Ireatife, do nonline profess resignate sold.

Mr. Higgers laye down the Length of a Postalium that fluil fiving Seconds, to be 3 Feet, 3 Inches, and Tenths of an Inch 3 according to Sir y. Monto's Reduction 3, which agrees perfectly with M. Monton's Pedestions 8 Inches 1 Tenth long. to Vibrate 132 times in a Minute : fo that this may be relied on as a fure Meafure. Note, the Lengths of Pendulums are usually measur'd from the Centre of Motion.

the Centre of Motion.

The First has observed this sooble Property, the Liectronism of Pensistians, and made Use thereof in measuring Time, Starmast sells us, was Ricciosity, a farer him Tycke, Longrants, Wentsians, Merstene, Kircher and others hit on the fame Thing; the without any Intensition of what Ricciosis had

Huygens fielt applied the Pendulum to Clocks. See Pendulum Crock.

Pendukuns are either Simple or Compound,

Sumple Pendutom, is that confiding of a fingle Weight, as A, confider'd as a Point; and an inflexible right Line, as A C, confider'd as vood of Gravity, infpended on a Centre C, and voluble about it. (Tab. Mechanicks Fig. 36)

Gauphound Pendon use, is that which confiles of feveral
Weights, fo fix'd as to retain the fame Diffance both from
one another, and from the Centre about which they vibrate.

#### The Destrine and Lows of PREDUCUME

DESCENT.

But being retain'd by the Thread BC, from falling perper dicularly thro' B H; it will fall thro' the Arch B B. Confequently, when the Centre of Gravity arrives at the Bottom; Foquently, when the Centre of Gravity arrives at the Bestom, A has the fame foce, it would have equived in Islaing from A has the Centre foce, it would have equived in Islaing from the Centre of Centre of the Centre of Centre of

Since then the Thread prevents the Pendulum going off in the Tangent AI, it must ascend thro' the Arch A D, equal to that AB.

All the Force therefore which it had acquired by falling,

"All the Force therefore which it had sequired by falling, being chandred, is will return by the face of Genrity when the size Arch APD, and a spin rife from Aro D z, and thus for ext. B, E. D. See Ga AVIVI.
Experience confirms that Theorem, in any fairs Number.
Experience confirms that Theorem, in any fairs Number to the will make a Difference. For the Refellence of the Air, and the Frifflow about the Contre C, will take off pure of the Force sequired in things whose it will not rife precisely to the fame Point whence it full.
That the Acknowled contributely diminishing, the Ostilation

Thus the Afects continuity diminishings, the Ofcilizion will be at left lingup, and the Periadhim longs are rist. See RELEGIED and Applying the Continuity of the Periadhim longs are rist. See RELEGIED and the Periadhim left played between two Semicorpolitics of Bord Or I for Mechanish Fig. 19, 199 for ground about Carlos those their Dimmeters C Feetule to keight the dength of the Thread CAA for their Vernet on Ordering and the Officiarion, be evented about rang, all the Officiarion, for eventual the Officiarion of the Ordering of the Or

Medium: Pare fine the Trend of the Pendulum C E, is wound about the Semi-cycloid B C, the Centre of Gravity of the Ball  $\mathcal{L}$ , which is here confeded as a Point, by its Evolution, will deferbe a Cycloid B E  $\mathcal{H}$  D) as is these from the Doctor for fine the Pendulum S and Deferms in a Cycloid are Rechmonl, or equal in Time: T herefore the Offsiliation of the Pendulum are also equal in Time  $\mathcal{L}$  E  $\mathcal{L}$ . See Cyrotre of the Pendulum are also equal in Time  $\mathcal{L}$  E  $\mathcal{L}$ . See Cyrotre for the Pendulum are also equal in Time  $\mathcal{L}$  E  $\mathcal{L}$  See Cyrotre for the Pendulum are also equal in Time  $\mathcal{L}$  E  $\mathcal{L}$  See Cyrotre for the Pendulum for the

theore, if with the length of the Pessiuham C.A. a Circle be deferibed from the Centre C.; fince a Portion of the Cycloid near the Vertex A is almost described by the same Motion; a finall Arch of the Circle will almost coincide with the Cycloid.

In little Arches of a Circle, therefore, the Ofcillations of Pendulums will be Idechronal 22 to Senfe; however, unequal in 'emicleus; and their Ratio to the Time of perpendicular Defector they half the length of the Pendulum, is the fame with that of the Circumference of a Circle to its Diameter.

with that of the Carcumteresce of a Carcie to its Diameter. Hence aifo, the longer the Persistations are, that of cillate in Arches of a Circle; the more Ofillations are flochrocal; which agrees with Experiment; for in two Penshalmars of equal lengths, but oficilating in unequal Arches, provided

equal lengths, but oftending in medical Acties, provided neither Arch be very great, you'll fearce difeere any inequa-lity in an hundred Ofcillations.

lity in an hundred Okcidators.

Hence alfo, we have a Method of determining the Space which a heavy Eody, falling perpendicularly, pailes over in a given Time. For the Ratio which the Time of oco Ofcillation has to the Time of the Fall thro, half the Length of the Pensisten, being thus had; and the Time wherein the feveral Vibrations of any given Pensistens being found; we have the Time of the Fall thro half the length of the Pensistens And hence may collect the Space it will pass over in any other Time.

The whole Doctrine of Pendulums of cillating between two The whole Doctrine of Pentilitatis of cililating between two mem-cycloids, both Theory and Precilice, we one to the memory of the Precilic state of the Pentilitation of the Pentilitation of the State of the Pentilitation of the State of Tentral of the State of the Pentilitation of the State Pentilitation of the State Pentilitation are power, and system of their they of pentility.

For the Time of Okillation in a Cycloid, is to the Time of Pentilitation of the Pentilitation of the Pentilitation of the Pentilitation of the Pentilitation of Pentilitation of the Pentilitation of Pentilitation of the Pentilitation of Pentilitation o

Circle, as the Periphery of the Circle to the Diameter.

If then, the Offiliation of the fame Penskulum be flower; the Perpendicular Defect of heavy Bodies is likewife flower; i. s. the Motion is lefs accelerated, or the Force of Gravity is lefs; and converfely. See GRAVITY.

Hence, as 'tis found by Experiment, that the Ofcillations of the fame Ptudulum are flower near the Equator, than in Places less remote from the Pole; the force of Gravity is Places lets remote from the Fole; the torce of Gravity 38 of its towards the Poles. And confequently the Figure of the Earth is not a juil Sphered. See E.A.PRI and SEPREADIN.
This M. Richier found by an Experiment made in the If-and Cayenna, about four Degrees from the Equator; where the Cayenna about four Degrees from the Equator; where County and the Farri Vibrates.

Front St. Diese § long, which as Parti Vibrates to the formed a Layenna county of the Cayenna about the Cayenna about the Cayenna and Cayenna about the Cayenna and Cayenna an

its Vibrations to Seconds.

M. des Hoyes, in a Voyage to America, confirms the Ob-reation of Rechier; but adds, that the Diminution effab-

iffi'd by that Author, appears too little.

M. Couldet the younger, upon his return from a Voyage to Brafil and Portugal, talls in with M. dest Hoyet, as to the No-cedity of hostening the Pendalum towards the Equator more cefiny of finertening the Pensatum towards the Equator more than Richier has done. He obler 4, that even at Luisea the Pensatum which beats Seconds, must be two Lines thorter than that of Paris; which is florter than that of Cayenna, as fix'd by Richier; the Cayenna be in 42 Degrees

symme, as faced by Richer's the Coprosa be in a 2 Degrees tell Latinarde hard. Delices made not so on proceed regularly. Med. Potent and de la Him, found the Lacegith of the Peter-land which has Booked exclight the and 2 Degrees, at Peter 1 at Latinarde, and the latt to the Latinarde 15° in a 45° 4 at Latinarde, and the laft to the Latinarde 15° in a 45° Hence. As de la Him video excellen on officied that the Di-ministics is soon, Apparent; and that Latinarde 15° in a 15° Hence Latter and the latter of the Latinarde 15° in a 15° Hence Latter and the Latinarde 15° in a 15

IV. If two Pendulums vibrate in similar Arches, the Times the Oscillations are in the Subduplicate Ratio of their

Hence the Lengths of Pendulums vibrating in fimilar Arch-are in a Duplicate Ratio of the Times wherein the Ofcillations are perform'd.

V. The Numbers of IRchronal Ofcillations performed in the ome Time by two Pendulums, are reciprocally as the Times weberein the feveral Ofcilations are performed.

Hence, the Leoghstof Pendalums vibrating in fimilar and fimil Archegare in the Duplicate Ratio of the Numbers of Ofcillations performed in the fame Time, but reciprocally taken.

VI. The Lengths of Pendulums suffereded between Cycloids

are in a Duplicate Ratio of the Times wherein the feweral Offit lations are perform d.

And hence they are in a Deplicate Ratio of the Numbers of Ofcillations performed in the fame Time, but re-ciprocally taken: and the Times of Ofcillations in different Cycloids are in a Subduplicate Ratio of the Leogths of the

VII. To find the Length of a Pendulum, which fall make

VII. Triput list Length of a Produlums, which platt make any affect? Stumber of Pitrations in any given Yame, Let the Number of Vibrations required, be 50 in a Min. Let the Number of Vibrations required, be 50 in a Min. Part of Vibration of Vibrations required, be 50 in a Min. Part of Vibration of Vibration of Vibrations of Vibration of Vibr

to the extramentary sequence of the extramentary of the extramenta

VII. The Length of a Freshilam being known, to find the Nam-ber of Vibration it will make in a given Yime.

This being the Reverfe of the Former; fay, As the Length igner, tippole 5, 6, 4; is to the Length of the Standard Fensis-tions (winging Seconds, viz. 39, 2; fo is the Square of the Vibrations of the Standard Fensishim in the given Time, v. gr. a. Minute, to the Square of the Vibrations fought: that

is, as 56: 4: 39: a, 3600: 2500.

And the Square Root of 2500, will be 50, the Number of Vibrations fought.

v intractions tought.

But for Ufe, here, (as in the former Problem) you need only divide 1411200 by the Length; and it gives the Square of the Vibrations; as there you divided by the Square of the Vibrations, to find the Length.

On these Principles, Mr. Derham has constructed a Table of the Vibrations of Pendulums of different Lengths in the Space of a Minute.

| Pend.            | Vibrat, |    | Pend.  | Vibrar.    |
|------------------|---------|----|--------|------------|
| ength            | in a    | 1  | length | in a       |
| in               | Minute  |    | in     | Minute     |
| nches            |         |    | inches | 1-2311-010 |
| x                | 375-7   |    | 30     | 68.6       |
| 2                | 265.6   |    |        |            |
| 3                | 216.9   | 1  | 39.2   | 68.0       |
| 4                | 187.8   |    | -      |            |
| 3<br>4<br>5<br>6 | 168.0   |    | 40     | 59-5       |
|                  | 153.3   |    | 50     | 53.1       |
| 7 8              | 142.0   |    | 60     | 46.5       |
| 8                | 132.8   |    | 70     | 44-9       |
| 9                | 125.2   | 1  | 80     | 42-0       |
| 10               | 118.8   | Į. | 90     | 39.6       |
| 20               | 1 84.0  | 1  | TOO    | 27.5       |

Note, These Laws, &c. of the Motion of Pendukuns, will fearce hold firldly, unless the Thread thet fulfains the Ball, be void of Weight, and the Gravity of the whole Weight be collected in a Point.

In practice, therefore, a very fine Thread, and a finall Ball, but of a very heavy Matter, are to be used. A thick Thread, and a bulky Ball differb the Motion strangely; for in that Cafe, the Pensisten, of Simple, becomes compound; it being much the fame as if feveral Weights were applied to the fame inflexible Rod in feveral Places,

the firm tollectible Rol In Secret Place.

The USe of Proteiner In mentioning Time in Althonomia-Tar USe of Proteiner in mentioning Time in Althonomia-Tar USe of Proteiner In the Proteiner In International Contract In International Contract In International Contract In International Contract Internatio

Preregion of sect. Sec Coco.,
After Hogens and different de last the Vibertison made in
Arche of a Cycloid, however, unequal they were in execut,
as a popular or Cock, on to make federical Arche of a cycloid,
yould relity the coltevitie mavealable trepolarities of the Monto of the Cock, is use, the ferent Cacta of the Monto of the Cock, is use, the ferent Cacta of the Monto of the Cock, is used to the result Cacta of the Monto of the Cock, is used to the result Cacta of the Monto of the Cock, is used to the result Cacta of the Monto of the Cock, is used to the result Cacta of the Monto of the Cock, is used to the result Cacta of the Monto of the Cock, prorad thereby, would be preferred perfectly
equally the Cacta of the Monto of the Cock, prorad thereby, would be preferred perfectly

But the Difficulty was to make the Pendulum deferibe Arches of a Cycloid ; for naturally, the Pendulum being tied to a fix'd Point, can only deferibe Arches of Circles about the

fame.

fame.

Here M. Hwygens hi on a Secret which all the World is now ter of: The from Red or Wine which been the Bob at Better of the from Red or Wine which been the Bob at Better of the Red or Wine which the Red of the Trend, which is or termedy flexible, eafly alliames the Figure thereof; and by the other Red of the Red the other End of the Rod, will describe a just Arch of a

Oyciond. This is doubtlefs one of the most affeul and ingenious Inventions many Ages have produced: By means whereof, we have Clocks which word cer a fingle Second in Everel Days.

"Its tree, the "Peptidlum's layble to in Irregularities; how minute forer they may be; M. de la Hire thinks there is

fill room to improve it.

The Silk Thread by which it is fufpended, he observes flortens in moiff Weather, and lengthens in dry; by which means the Length of the whole Pendulum, and consequently

means the Length of the whole Presidence, and contequency the times of the Vibrations are varied.

To obviate this Inconvenience, M. de la Hire, in lieu of a Silk Thatead, used a little fine Spring, which was not indeed fabiled to thorem and lengthen; but which he found grow fifter in cold Weather, and made its Vibrations failer than

in warm.

He had therefore recourse to a stiff Wiar or Red, Firm from one End to cother. Indeed, by this means he renounced the Advantages of the Cycloid; but he found, as he says, by Experience, that the Vibrations in Arches of Circles are performed in Times as equal, provided they ben't of too great Extent, as those in Cycloids. But the Experiments of Sir

Extens, as thefe in Geloids. But the Experiments of Sir J. Mow and others, have demonstrated of the course, The ordinary Caulis of the Irregularities of Prinsistens, The ordinary Caulis of the Irregularities of Prinsistens, Mr. Direktas Sirches to the Alterstoins in the Gravity, and Temperature of the Afrix which increase and diminish the Weight of the Ball, and by that means make the Viberticas greater and left An Accession of Weight in the Ball being greater and left An Accession of Weight in the Ball being country by the Cauling of the Prinsistens of the Prinsisten

A Weight of Six Pound added to the Ball, Mr. Derhane

de l'accident de la companie de la c

of will occasion in the Motion of the Practitions of Morein it is observable, that a small Alteration rowards the lower End of the Practition, makes as great an Alteration in Time, as a greater rising or falling does when higher.

PENDULUM Royal, a Name given among us to a Clock, whose Pendulum swings Seconds, and goes eight Days; shewing the Hour, Minutes, and Seconds. See

The Numbers of fuch a Piece are thus calculated; first eath p the Seconds in 12 Hours, and you will find them to be

The exceeds in 11 Herey, pare year-length by 12 to 1 futing pice 11 12 600 c. The fining West length by 12 to 1 futing pice 13 600 c. The fining When 2 futing 12 futi

two Quotients, as 10 and 6, or 5 and 12, or 8 and 7 \(\frac{1}{2}\); which last is most convenient: and if you take all your Pinnions 8, the Work will

20 According to this Computation, the great Wheel will go about once in 12 Hours, to fixer the Hours the fecond Wheel once in an Hour, to flew the Minnest; and the fwing Wheel once in a Minnest, to flew the Seconda Secondary

Movement and Crock-work,
PENECILLA, in Pharmacy, a Lovenge, made round by
rolling; the fame as Turundala; thus call'd from Peneciling

rolling; the lame as I officence; the color Hun Tenterior a Pencil, which it refembles in flape. PENECILLUS, among Chirurpeone, is used for a Tent, to be put in Wounds or Ulcers. See Tent.

PENETRATION, the Addion whereby one Thing enters another, or takes up the fame Place. See Place.

The School-men define Penetration, the Co-exiltence of two or more Bodies 3 fo, as one is prefent, or has its Extention in the fame Place as the other See Existence.

and Body. Scealfo Mayres, Southery, Sc.
In Physicks, the real Penerration of Bester is held abfurd,
i. a that two Bodies should be at the Time in the same Place:

i. e. that rwo Hodies from the a tree Time in the farme Place-accordingly Implementability is laid down as one of the effectial Properties of Matter. See IMPERABLITY. What we popularly call Penerration, only amounts to the Matter of one Body's being admitted into the Vacuity of ano-

ther. See VACUITY, DIMENSION.

ther. See Vacuury, Dimensions.
Such is the Pointerstane of Water thro' the Subdiance of
Gold. See Warran, Gonn, Sée. See allo Hardman.
PENDIDUM, in Pharmacy, Park-Sager; a Preparation
of Sugar, made by boiling it up with a Decotion of Barley,
till it become Erittle; which does, it is runfl on upon a
Marks, arounded with Oil of Sweet Almonds, keeaded with the Hands like pall; and while yet hot, drawn out into Sricks twitted like Cords. See Sugan.

Penidia are very good against Colds, to moderate the Aeri-sonies of the Breatt, promote Expedioration, &c. Dr. Quincy afes the term Penidum, for a kind of clarified

Dr. Simsey utes the term Yeinatens, for a size of claimed Sugar, with a Mixtane of Starch, made up into Bolius's. PENINSULA, in Geography, a Portion, or Extent of Land, joining to the Continent by a sarrow Nock, or Ifthraws; the rest encompassed with Water. See 18 years, or Sixth is Yeickspensity, or the Mores, Jirica, Etc. Peninglula is the same with Cherfomylus. See Chiero-

The Word is compounded of the Latin, Pene, and Infuls; q. d. a)most Illand, which the French pertinently enough render

A almost Hilling, White the Privace permeany counger scales and the privace of the Body, from its form, call'd allo the Zar's, and by way of Emiscace the Member, call'd allo the Zar's, and by way of Emiscace the Member of the Republic of the Privacy of Emiscace of Generation in the Male Kind. See Gashin Arrion, and Male. It is failtent to the lower Part of the O'Ember, and the upper Part of the Hilbert is Bedy conflict of the two Garytan Covernight Urithers, and the Urithers

Hatch.

The Corpora Covering's of the Penis, call'd alfo Corpora,
Norvoji & Synogioji, &c. have two diffind Origins in the Original Polisis; whence they proceed, growing both in bulk and thicknefs, till they meet the Corpora convengings of the Urgeness when they only leavance as leavance or Chanal of the Corporation of the Original Polisis of Chanal of the Original Polisis of therenes, till they meet the corpus coordinates of the Ore-tions, where they join; leaving an laterflie or Channel for its Paffage along 'cm; and thus continue their Progrets, connected orgether by a membranous Eody call'd the Softman, and terminating at length in the Glans. See Cavernosa Gor-

The Cavernous Body of the Urethra, includes the Urethra or Urinary Paffage. Its form contrary to that of the other Cavernous Bodies, is largelt at the two Extremes, and finall-

eft in the Middle. That Part included between the two Origins of the Cavernous Bodies of the Penis, Mr. Cowper calls the Bulb of the Urethre: Its other Extremity being dilated, forms the Body call'd the Gloss. See URETERA, BULB and GLANS.

cal'èt de Gine. See Uarvina, Dieva and Ganas. The Grous receive Arterist from the internal line Emache, and Chubliell Arteries so the left a Leogh fieldwidding into insumerable Bamuch, from the capillary Extensible to the Commission of the Commi

The Penis has Nerves from a Trunk composed of a Coal efectee of the third of the Os Serrim, and a Branch of the great Crural; Thefe aftending the Cavernous Bodies, expand 'emfelves o'er the upper Surface thereof, and are thence diffributed to all Parts of the Penis.

It has Lympherdud's very namerous on its Surface under the Skin, which dicharge 'emfelves into the Glandulæ Inguinales. See SEED and UKINE

nates. See SEID and URINE.
The Penis has two pair of Murcles, and an odd one; the
odd Murcle is call'd Accelerator Urine: its upper Part, which
covers the Bulk, ferves to firelighten the Veria paffing ther's
ir. from the Corpus Convenignm of the Urestra, and thus
hinders the Refus of the Blood in Ereclion; and by repeated Contractions, drives the Blood into the Bulk towards the Gians. Its Elongation ferves to compress the Channel of the Direttra, and to force out the contain'd Seed or Urine. See

Directors, and no force our the contained Seed or Urine. See ACCELERATOR UINE.

The first pair of Minicles is call'd the Bretters Penis. By their Adion the Penis is infulsized, and drawn rowards the Pubers, and by the Adiffiance of the fittening Ligament of the Penis, this Venus Penis is applied to the transferred Legi-ment of the Offa Pubris, and the refluent Blood hinder'd from

passing that way; whereby the Copora Cavernos's become dif-

priming that ways wherevy the Copyrd Coverring's become dif-tended. See Enkerporas, Point Transferrjales Penis, which The laft pair of Mulcles are the Transferrjales Penis, which vary in various Subjects, and are fometimes wanting: Their Ule is to dilate that Part of the Cavernous Body of the Ure-tra, to which they are Island. See Transsvensalizes Penis, The Penis has also three Glands, first discover'd by Mr.

Couper; these all empty 'emselves into the Uresbra, and from the Tenacity of the Liquor they seperate, are call'd the Mucous Glands. See Mucous Gland.

The whole Compages of the Penis is invefted with a Cel-luide Membrane, of admirable Texture; which again is co-ver'd with a firm nervous Cost; and that with a Centule and Cuits: The Duplicature of the Cutts on the Glans, makes the Prepute. See Praffution.

all'd the Frontm. See FRENUM

By another Ligament, call'd Suffenforient, the Penis is held up to the Offa Pubit. See LIGAMENTUM foffenforment

The Use of the Penis is for the Evacuating of the Seed d Urine. See SEED and URINE.
Indeed, Dr. Drake, from a View of its Scracture, thinks it originally intended for the former only; and that the Con-veyance of the Urine was not confider'd by Nature in the Mechanism of this Part.

He adds another Ufe, viz. the Incitement to the Propagation of the Species.

In Effect, without fuch an inftrument, the Seed of the most perfect Animals could not be convey'd to the Place of Prolification: Add to this, that an Alternation of Erection and Flaceidity is abfointely necessary; the first for the Performance of its Office, the second for the Security of the Part.

Without an Erection, it were impossible to emit and lodge the Seed where it ought to be; and with a constant one, al-most as impossible to fecure the Part from Injuries; not to mention the Lofs of Instigation, which won'd be the Confe-

mention the Loss of Indigation, which would be the Conti-quence of confident Fredhom. See Saturatians, 15th.

The Couple of the Erection of the Pours is the Blood dif-tending the Copara Conversols; as is evident from many Ex-periments; among the reft, from tying the Posis of a Dog in Count, in which nothing is found but Blood. And hence, in the Bodies of Criminals that bang long after death, the Pre-

nis becomes crected, by the Blood's falling to the inferior Parts, and flopping there. The Cavernous Body of the Urethra is crected by the Minf-culi Accelerators, embracing the Veins of its Balb. See

ERRECTION PENITENCE, Fautentia, is fometimes used for a State
of Repentance, and fometimes for the Act of Repenting. See REPRESENCE.

PENITENCE is also ased for a Discipline or Punishment attending Repentance, more usually call'd Pensuce. See ENANCE.

PENITENCE, is also the Title of several religious Orders, consisting of converted Debaschees, and reform'd Profitutes; or of Persons who devote 'emfelves to the Office of reclaiming 'cm.

Of this latter Kind is the Order of Penitsuse of St. Mag-dales, establish'd about the Year 1272, by one Bernard, a Circinen of Marfeilles; who devoted himself to the work

dading, ethabilithi a hour the Vera 1372, by one Birment', a Cluttine of Marificials who devened himself to the work of converting the Contrastant that Clipy.

The converting the Contrastant that Clipy. The contrast of the Clip of the

Louis, Duke of Orleans, gave 'em his Honfe for a Monaf-tery; or rather, as appears by their Coullitations, Charles VIII. gave 'em the Hotel, call'd Bachasgae, whence they were re-

moved to St. George's Chapel in 1572. By Virtue of a Brief of Pope Alexander; Simon, Bilhop of Paris, in 1497, drew 'em up a Body of Statutes, and gave 'em the Rule of St.

To qualify a Woman for Admiffion, it was required that flie had committed the Sin of the Flesh; None were admit-

the had committed the sin of the Field. Some were admit-ted above 31 Sears of Age.

Till the Beginning of the last Century, none but Poniteers were admitted but fine in Reformation by Morge Abovaptar, in 1616, none have been admitted but Maides, who, however, fill retain the notition Name Ponitents. See Pastira Nava, Pastiran Na, are certain peculiar France, or Societies 69 Person who afficiently open the Propers, made be Proceedings. are footed their Paces cover'd with Linnen, and give 'emfelyes Discipline.

There are eabite Penitents in Italy, at Avignon, and at Lyons: There are also blue Penitents, and black Penitents, which last affist Criminals at their Death, and give 'em Burial

Burstl. Médilion selle us, that at Turin there are a bee of Presituers Rept in 1983, to with their has Street in Proceeding, our their PRINTERS OF CONCESSION OF THE STREET, A Congregation of Religious in Street is Other of the Manuel Julius, a Congregation of Religious in Street is confident got Women, who have cal a licention Life founded in 1987, Quarters: one for period it Religious, another for Novices, a third for their united Religious, another for Novices, a third for their united Religious.

When these last give Signs of a real Repentance, they are removed into the Quarter of the Novices; where, if they don't

removed mot are Quarter of the Novices, where, it they don't behave 'emfelves well, they are remanded to their Correction. They observe the Rule of St. Amgulin.

PRINTENS of Orreste, are an Order of Nans, inflittuted by Anthony Stanoncelli, a Gentleman of Orvista.

The Monalety he built, was at first delthoul for the Reception of poor Girit, abandoned by their Parents, and it alonger of bings their Virus.

Monalety for the Secretion

danger of loting their Virtue.

In 1662, it was recfeld into a Monaftery, for the Reception of fuch as having abandoned 'emfelves to the Fleffi, were willing to take up and conferrate 'emfelves to God by folema Vows. Their Rule is that of the Carmelius.

the works, we and conference 'mathiese to God by Gleman Vews. Third Face is that of the Carmon Street was always to The Redgione here than the street of the Carmon Theorem Street Stree

Bishop's Ear. Mylops't Est.
In fome Places there is a Grand Penifonary, and a Subprovincentary. Analogists tays, that Pope Susplicent chole
fome among the Roman Prictics to predict over Penances, Atprefers the Pope has his Grand Penucutiary, who is a Catdinal, and the Chief of the other Penironary Prictic elsaliked in the Pariarchal Churches of Rome, who confuls him

in amount Course.

He prefides in the Penisentiary, diffratches Diffenfations,
Abfolutions, Sc. and has under him a Regent, and twenty four
Proctors or Advocates of the faces Penisentiary.

PENNON, a Standard with a long Tail; antiently belong-ing to a fimple Gentleman; properly us das a Guidon to place over a Tent. See Guinon, &c.

place over a lent. Occ 1901DON, Eds.

It is opposed to the Baumer, which was figure; and hence, which any one was to be made a Banneret, the Ceremany confilled in Cutting off the Tail of his Premon, and thus converting into a Baumer, See Banner, or Banner, and thus converting through the Baumer, and Banner, and Banne

PENNY, or PENY, in Commerce, an ancient English Coin, which had formerly confiderable Courfe; but is now generally dwindled into an imaginary Money, or Mony of Account. See

The ancient English Tenny, Tenig or Pening, is the first Silver Coli firmed in England, any, and the only one Car-rent among our Scorn Ancellors, as is agreed by Cambian Systems, Dr. Hole, See.

Systems, Dr. Huck, etc.
Hence, Powy, in ancient Statutes, Efc. is used for all
Silver Money. Combine derives the Word from the Lesin,
Poemain, Money, in the general, and thence the Word-Powy,
Poemain, Money, in the general, and therethe Word-Powy,
Poemain, Money, and Stretchel-Powy,
Power-Powy, Huckers-Powy, Triting-Powy, and Bretchel-Powy,
The Powny was equal in Weight to our Three-Power,
The Power was equal in Weight to our Three-Power,
of Money, Out of Money, the Soliday Shows, third was
a Money, and the Company of Money, the Company
of Money, Out to our 71, etc. See Manas, Mancuss

Till the Time of King Edmard I. The Penny was flruck with a Croß to deeply indented in it, that it might be cafily broke, and parted, on occasion, into two parts; thence call d Half-penny; to rine four, thence call d Fourthings, or Farthings. See FARTHING.

But that Prince coin'd it without Indenture; in lieu of which he first struck round Half-pence and Farshings.

He also reduc'd the Weight of the Penny to a Standard sordering that it shou'd weigh 32 Grains of Wheat, taken out of the Middle of the Ear. This Penny was call'd the Penny Sterling. See STER-

Twenty of these Pence were to weigh an Ounce; whence the Penny become a Weight, as well as a Coin. See Penny

A Penny-reight of Gold Bullion Standard, i worth four alllings; and or Silver Bullion, Three-pence. See Gold and

Silver.

The Name took its tife hence, that this was actually the Weight of one of our ancient Silver Penner. See Penner. See Penny-Post

PENSA Libra, in our ancient Cuftoms, a Pound of Money paid by Weight, not by Tale. See POUND and LIBRA.
PENSION, a yearly Appointment, or Sum of Money paid
any one for Services, or Confiderations already paft. See Pan-

That which in the two Temples is call'd a Parliament, and Lincoln's-Inva Council, is in Gray't-Inv termed a Pen-fion; that is, an Assembly of the Members of the Society, to consult of the Affairs of the House. See Parliament,

Penfions, are also certain annual Payments of each Mem-

Projum, are also Ceresti animae it synamics to clim Nember to the Houfe, for certain Occasions.

When a Peopless-Writ is is issued, none such thereby in the Inns of Court, hall be discharged, or permitted to come into Commons, till all Duties be paid.

Hence a Peopless-Order in the fame lane, is a percemptory Order against such of the Society as are in Atrear for Penfows,

and other Justice.

"A PENSIONER, a Perfor who has a performance of the performance of th the Incumbents, or Titularies of Benefices were little more

than Farmers

This oblig'd the spiritual Powers to fix the Causes, and the mantities of Pensions. Pensions are now only creatable by the ope; and are never to exceed one third of the Revenue; two

Peners and are never to exceed one third in the Keelinds, two shirds being still to remain to the Incumbent.

Pensionary, is also the first Minister of the States of the Province of Holland. See Synthes.

The Penfinary is Chairman in Affemblies of the States of The Bunghmary is Chairman in Affemblies of the States of that Province; he propose the Matters to be conflicted on, collects the Votes, forms and pronounces the Refolations of the States, opens Letters, confers with foreign Ministers, gfc. He is charged with indpetting the Finances, preferring the Rights of the Province, maintaining the Authority of the States, and steing to the Observation of Laws, gfc. for the good of the State.

He affilts in the College of Deputy-Councellors of the Pro-vince, who reprefent the Soveraignty in the Abtence of the States; and is perpetual Deputy of the States General of the United Provinces.

United Provinces.

His Commiffien is only given for five Years; after which 'its deliberated whecher or no it shall be ronewd. Indeed, there is no Inflatnee of its having been revoked. Death only puts a Period to the Funditions of this important Minister. Formerly, he was call'd the Abovates of the Promises 'The Act Colling of the Conference of the Proplemery was only given at the Time Barnovich had also Office of the Proplemery was only given at the Time Barnovich had the Office.

Gressen calls him in Latin, Adfoffer Jurifperitus; Merula, Advencess Generalis; Matheus, Profesior at Leiden, Confiderin Penfonarius; which is the Quality the States give him in their Inffruments.

Instruments.

Passetoware, is also the first Minister of the Regency of each City, in the Proxes of Holomat. See Passetoware. His Office is two give bit Advice in Matters relating to the Government, either of the City in particular, or of the State in General; a dain in Assembles of the State of the Posinice is Speaker in behalfed his City.

"Are, the Fandicis of these "Pengionaries is not alike every the City of the State of the State of the Position of the City."

Yet, the Functions of these Prophosomers is not alike every where in from Cities they only give their Advice; and are never found in Affemblies of the Magistrates, except when expertly call dithier: in others they arend conflantly; and in others they even make the Propositions on the Part of the Bourguer Magier, draw up their Conclusions, \$66.

They are call'd Penfionaries, because they receive an Ap-

They are call'd Profitations, because they receive as Appointment or Profitation.

Gentlines, are all and of Continence, which

Gentlines are a second or a second or a second or a case of the Kingk Perfori in his own Houfe, in

They were first fee on Forn by K. Henry VIII. The Numbers is one; and each subliged in Kep in their double Driese, in the profit is one and the second or a second

and Clerk of the Cheque.

Their ordinary Arms are guilt Pole-Axes, with which they attend the King to and from the Chapel Royal; receiving him in the Pretence Chamber, or coming out of his private Lodging; as also at all great Solemnities. Their Pengion PENTACHORD, an ancient musical Inftroment, with

five Strings; whence the Name, of wirth five, and zerola Chord String.

The Invention of the Pontachord is referr'd to the Seythians: The Strings were of Bullocks Leather, and were flruck with a Pletirum made of Goats Horn.

a Pletirum made of Goats Horn.

PENTACROSTICK, a Set or Series of Verfes fo dif-poid, as that there are always found five Arcticisks of the fame Name, in five Divilious of each Verfe. See Acasorue. PENTAGON, in Geometry, a Figure with rice Sides, and five Apples whence its Name 5 from the Greek surray area Geometria Black. See Polycoon.

If the five Sides be equal, the Angles are fo too 5 and the Figure is call'd a regular Pentegon: As Fig. 47. Tab. Geo-

metry. Most Cittadels are regular Pentagons. See Cittadel. The most considerable Property of a Pentagow is, that one of its Sides,  $\nu_s$ , 20 E, is equal in Power to the Sides of a Heavegon, and a Energyon inferibled in the fame Cites.  $d^*BC$  D E: that is, the Square of the Side D E is equal to the

Sum of the Squares of the Sides D s and D s.

Peppus has also demonstrated that twelve regular Pentagons contain more than twenty Triangles inscribed in the same

centain more time twenty Carlos.

Circle, Lib. 5, prob. 45.

The Bestratheiren, which is the fourth regular Body, confilts of twelve Pentagons. See Donecamenon.

Projection or Perffective of a Pentagon. See Per-

PENTAGRAPH, an Inframent whereby Defigns, Prints, &c. of any Kind, may be copied in any Pro-portion, without a Person's being skill'd in drawing. See Da-REDUCTION, &C.

The Instrument is otherwise call'd a Parallelogram. See PARAELELOGRAM.

PARALLEGORAM.
The common Parangraph (reprefessed Tab Aftificialory Fig.6.) conflicts of four Heria or Wooden Rulen, row of 'th m'ous; ye conflicts of four Heria or Wooden Rulen, row of 'th m'ous; ye End, and in the Muidle of the longer Rulens, as all for at the Ends of the fiberter are Holes y upon the coast fixing whereof re-Perfection of the Infurentent Holly depends. 'Those in the Middle of the long Rulens are to be at the fame dilature of the fibert of the fo that when put together they may always make a ones :

"Devailable grown.
The laintenume in firred together for ufe, by ferent little Pileces, particularly a little Pilecis, page, a being see use latel Pileces, particularly a little Pilecis, page, a being see use latel Pilecis and the cher a little Knot for the latituments of filed on the Pilecis and the cher a little Knot for the latituments of filed on the Pilecis and the result of the pilecis and pilecis and

Perce 3 is a Final, out of the Archeology of the Control of the Archeology of the Archeology of the Fadi is a Ween to firew into the Table; when the Inframent is to be used, it joins the Ends of the two fibort Rolers. The Piece 4 is a Pen, Portectation, or per large force of into a filter Pallar. Leftly, the Piece 5 is a Penispolot, moderately blunt, ferrow'd likewile into a little Pollar.

## Use of the PENTAGRAPH or Parallelogram.

r. To Copy a Delign in the fame Scale or Bignefs as the Original: Screw the Worm 3 into the Table 3 lay a Paper under the Pensi 4, and the Delign under the Point 5. This done, conducting the Point over the feveral Lines and Pars of the Delign, the Pensil will draw or repeat the Lame on the of the Delign, the Pensil will draw or repeat the Lame on the

of this Delign, the Fexcil will draw or repeat the time on one Fex
i. If the Delign is to be reduced E. Fe, into, in this the Sprees, the Worm must be placed at the End of the long Kente a, and the Propert of Peccili in the Middle. In this will be the Sprees of the Sprees of Peccili in the Delign as before; and the Peccil at the End of the Middle in the Long as before; and the Peccil at the Enne Time will draw in Copy in the Propertion required; the Peccil heave in Copy in the Propertion of the Peccil Peccili in the Peccil at the Enne Time will draw in Copy in the Peccil at the Enne Time will draw in Copy in the Peccil at the Enne Middle in the Peccil at the Enne Middle in the Peccil at the End of the Spreed in the Peccil at the End of the Long Relax, and the Worm at the other.

1. To Endings or reduce in other Proportions, there are the End of the End of

railed to the long Kuter, the Copy will be greater than now.

The Construction of this infirument requires a Degree of Accuracy, which most of our infirument Makers are Strangers to for which reason there are very few of the Infiruments that faceced. Few will do any Thing tolerably but finight Linets, and many of ten not those.

FENTAMETER, in Poerry, a kind of Verfe, consisting

five Feer. See VERSE and Fooy. The two first Feet of a Pentameter, may be either Dactyle,

or Spondees; the third always a Spondee; and the two last Anapests.

Anapelts.
It is infinally join'd to Hexameters, in Elegies, Epiffles,
Epigrams, and other little Pieces. There is no work of Perstameters alone. See Hexameters.
The Word is form'd from the surveyersy, q.d. for Ma:-

PENTAPETALOUS Plants, are fuch whose Flower nfifts of five Leaves. See PLAZT.
PENTAPOLIS, in Geography, &c. a Country wherein

are five Cities. The Name has been given to feveral Countries, particular-ly the Valley wherein flood the five infamous Cities deitroy'd by the Shower of Fire and Brimflone, in the Time of Abra-

ham.
"Tis commonly fuppoled, this Country was the Place where now finance the Lake "Alphalities, or clead Sea: Senfor places in the Neighbourhood of this Lake, but without any Proof. D'Herbiete calls this the Petrafepis of the Sedomete. Yet Petrafepis of all this thin the Cyrathete, on the Sea of Libra is the Section of the Sea of Libra; in the Case were Bernmen, "Affact, Petrafens," Organization of Correct, and Decision, Georgeoidens, and Utilization.

Among the ancient Geographers and Historians, we like-wife read of the Pentepois of Lisya, now call'd Modrata; The Pentapolis of Italy; and the Pentapolis of Afia

chy five Cafes. See Aftote and Cass.

PENTASTICH, in Poetry, a Stanza, or Division of a com, confifting of five Verfes. See STANZA.

PENTASTILE, in Architecture, a Work wherein are ive Rows of Columns. PENTAPTOTON, in Grammar, a Noun which has

Such was the Portico begon by the Emperor Gallian, and which was to have been continued from the Flaminian-Gate

to the Bridge Milwas, i. e. from the Perto del Populo, to

the Photo wide.

(Li) is the faced Learning, the fire Booke of No. 1. At the day of the Old Telemony, we Goody, and the Control of the Old Telemony, we consider the Control of the Old Telemony, and the Companion of the Telemony, and the Control of the Telemony, and th

These interposated Fassages are Babylonife Captivity, I spas; who, on his Return from the Babylonife Captivity, I sup-

flapposed to have published the Old Testament, or at least a pair of the Parish Church, and one to the Bishop. See

fuppoid to have published the Old Tellament, of he feat a Part of it corrected and enlarge. See CANNON.

There are two Emnoss Pentastrucks, or Editions of the Putastrucks, which have a long Time disputed the Preference, both as to Autiquity, and as to Characker, exe, that of the Jown, call'd the Jowns or Helven Pentastruck, wrote in Considers or Affgrow Charackers, and that of the Somerisms

wrote in the Samaritan or Plannian Character.

Each is maintain'd to be the ancient Habrew 4 tho' the Ge-

nerality of the Criticks give it in behalf of the latter. See HE-BREW

Indeed, as to the Point of Matter, they are generally pretty conformable to each other; each has all the interpolated Pai-fages above-mention d, the the Samerites has one or two more, not in the Hebrew. The first a Passage in Deut. 27. 4

evident the Variations must have a-rifen in transcribing from the valgar Librow into the Samaritan; not the contrary

Add to this, that Simon, Allin, and many other learned Men take the Chaidean or Affyrian Character to have been the Character always in use among the Jews; and the Samarites or Canasantillo, or as it is also call'd the old Hebrew Charafter, to have never been used by the Jews before the Captivity, in any manner, either in Books or on Medals. See

Hence the Pentatench must have been transcribed into that Hence the Pannstrande must have been transferride, since but Chanselter; and thut, probably, to read the lightle to the link-hisms of Sometin, who upon the first introduction of the Parentarion single travelably be verified into one the Chanstra-ty, the production of the production of the Parentarion single under the pro-teased the Pannstrand. The prior papelosis is the Ward of some modern Gaussitson, whom he imagines to have compiled it chiefly out of the different Copies to the Pathinsian and Pa-lephnum ylene, and the Sylvingirus | because it is Gonetines agree with our, on different Copies to the modern Gaussitson.

a grees with one, and fornetimes with another.

"PENTATHLON, in Antiquity, the five Exercifes performed in the Grecian Games, and for which Prizes were proposled. So Exercises, GAME, Or.

These Exercises were Wreitling, Boxing, Leaping, Run-

Their Exercise were Wreitling, Bossing, Leeping, Run-ings and Quote-july-junc he in on all year-lifty works to propose the propose of the second propose of the second by the Letting, Generality as the fire Exercise themselves were by their Later People call of Significant People and PENTATONON, in the sacient Matie, a Concord, by usually the general below. See Sarvary and minor Semi-tonic where the Name Perstanons, q. 6 for Tones. PENTECOST, Willipstithel, a Schomm Festi Cost. Church, led in Commenceation of the Defector of the Holy Coulds on the Apollate, as a deferbed in the Actio. See

It has its Name from the Greek ruleuses, Quaquezesimus 50th, because held on the fiftieth Day after Easter. See

EATTE.

In the ancient Church, Petercopf fmith'd the Paticlal Time, or Ediffection, wherein, as Termilien, St. Trom, Go. Ediffection, which is a Termilien, St. Trom, Go. The Great Review of the Control of the Control

PENNECONTORE, a vefil with fifty Ozra.
PENNESERINGUS, In Amigusty, a Sort of Pillory,
with fire Holes, wherein were tiskned the Lega, Arma,
PENNELMENERIS, in extension of the Pennelment Pennelment
PENNELMENT (Pennelment), and the Pennelment
PENNELMENT (Pennelment), before the lift.

\*\*Hence Americanisms is that before the Pennilment, or PENTECONTORE, a Veffel with fifty Oars

Hence Antepenaltimate is that before the Penaltimate, or

the last but two.
The Word is form'd from the Latin, Pene & ultimut, almost lafe.

PENULTIMATE, in Mefic. M. Brofferd will have it the fame with what the Greeks call'd Paranete; the others won't allow the Paranete to be the Penultimate Chord, but

the next thereto. The Penultimate of the Separate, Paramte Diezengm

The Printing of the Printing Printing Linear Conditions in Americh Ancients gare to one of the Chords of their Lyre of Sylfens; corresponding to the D<sub>i</sub> is, rs, of the third Ochave of the modern Sylfens. Printing of the James, Or parameter Hyperboards Chord of the united Sylfens, and weining to the G<sub>i</sub> re, fo, of Chord of the united Sylfens, and weining to the G<sub>i</sub> re, fo, of

the third Octave of the modern System.

PENUMBRA, in Astronomy, a faint or partial Shade, observed between the perfect Shadow and the full Light, in

The Pennishra arifes from the Magnitude of the Sun's

Body: were he only a luminous Point, the Shadow wou'd be all perfect; but by reafon of the Diameter of the San, it 

Hemisphere of the Sun The Degree of Light or Shadow of the Pennubra will be

The Degree of Light or Shadow of the Pennantra will be different an different Fun, as those Pares by even to the different properties of the property of the

the more and more of the San is hid, till it be loft in the Shadow itelf, get. Hence we have Eclipfes of the San when the Shadow never touches the Earth, provided the \*Pennohyne\* doth but reach it; and hence there is a Difference obleve'd in reach it; and nemes there is a interence observed in Eclipfes of the Sun, as the Shadow it'elf, or a greater or lefs Degree of the Pennmibra, paties over a Place. See Sun. But Eclipfes of the Moon appear the fame in all Places

here they are visible. See Moon.

When the Shadow itself falls on the Earth, the Eclipse is

When he Shadow itel's falls on the Earth, the Keliple is fall to be Tatle of Central when only the Permettr's falls on the Tatle of Permettr's falls on the Tatle of Tatle of

gle of the Shadow included in it.

The Figure of this Space comprehending the Shadow, is a
Trapesium, one of whole Sides is the Diameter of the Earth
the opposite Side parallel thetero is an infinite Line, t. et. th
Width of the Pennumbra projected to infinity, and the tree
other Sides the two Rays drawn from the two Externities of

outer once the Mays drawn from the two Extremities of the Diameter of the Sun, by those of the Diameter of the Earth, and which prolong d back beyond the Sun, will inter-fect in a certain Point, making an Angle capat to the apparent Diameter of the Sun; which Angle may be call'd the Angle of the Pennshra. Now the Pensanbra will be the greater as this Angle, or,

which is the fame Thing, as the Star is greater, the Plan

maining the lame: And if the Diameter of the Planet be in-creazed, the Sur remaining the lame, 'exill be the same as if the Diameter Hill receded from the Angle of the Penumbra. M. & & Hire examins the different Degrees of the Penum-bra, and reprefents 'em Geometrically by the Ordinates of a Carre, which thall be among emfelves, as the different Parts of the Sun's Disk, wherewith a Body placed in the Pennsy-

bra is enlighten'd. PEPPER, an Aromatic Fruit, or Grain of a hot, dry Qua-

avy chiefly used in the featoning of Meats. See Spice It is the Product of a Shrab growing in feveral Parts of the

Ball-Indies, chiefly Javas, Sumarra, Malacca, and the Coasts
of Mausbar. The Plant is very weak and of the reptile Kind,

and for that Reafon usually planted at the Foot of the larger Trees, as the Area, Casas, &c.

Arces, as the Arces, Cascos, Coc.
The Perfor grows in Grapos or Clinders; at first green, as
they ripen they grow red; and at last, after being expeded a
While to the Sun, become black, in the Condition we fee 'em.
The Fruit is gather d in November, It must be chosen large, well fed, not wrinkled, without Duft, with a good many white Grains in it; and Care be taken the largeff Grains

when the man income, we may be the proof many that he pool many that he pool many the man the ten pick do not make white Priprior, specification, which is the Frint of the finne Plant with the Black, and is prepared from it by modificing it with Serv. Water, and then expeding it to the disa, and earling a way the miles, and the prepared from it by modified price of the Site, by beating it before it be quite dry a try feathing it. In Water after it an airled, and the thereing it. In the white Priprior to be natural, and the Frint of a different Plant from the Black to that X-100 M, not experience, the control of the control of the control of the print of the Site of the Control of the Site of the Site of the Control of the Control of the Site of the Control of the Site of the

White Pepper must be chosen after the same manner as White Pepper must be enough after the finder incliner as black; with this further Care, that it han't been whiten'd. 
Pepper that is fold ground, is very apt to be fophifiticated; the Black with burns Cruft of Bread, Sc. the White with

beaten Rice.

beaten Rice.

Long Perper is a kind of Pepper denominated from its form, which in Length and Thicknetic equals a Child's Finger; it conflits of an aftenblage of Grains junit Cole to one another, of a brownish Colour, bordering without on red, and within on black; and grows by a long Pedicle to a Plans, like that of the black Pepper, but lower, and its Leaves finalter. and greener.

and greener.

Its Tafte refembles that of the former, but lefs tharp.

There are three kinds of this Perper, that of the Engl-Lidisc, that of America, and that of Etisipin, call'd alfo Grain
of Zerion: The' the first alone is the proper long Perper; the
cett refembling it but little.

It must be chosen new, large, heavy, well fed, hard to break, without Dust or Mixture; its chief Use is in Medi-cine, where it enters several Galenical Compositions, among the reft Treacle. Guines PEPPER, is a red Pepper, of a Coral Colour, much efteem'd by the Americani, from among whom 'its brought, and by them call'd Chile, by the Spaniar's Pimenta, and the

French, Garden Coral. "Tis now cultivated pretty commonly in France, efpecially in Languedoc; ufed in making Vinegar, and likewife confected with Sugar. It must be chofen new, in large Pods, dry,

entire, and red

entire, and red.

There are four Kinds, the first call'd by the Americans Chilchotes the fecond very finall Chilterpin, both of a very pungent
Talle 3, the third Tonalchite, moderatily has, and exten by
the Natives like other Fruit with Bread; the fourth Chilpetagua, moderately pungent, much used by the Spaniards in the
Preparation of Chocolate; there is also a fifth Kind call'd

Perparation of Choolstey there is also a fifth Kind earl'd Agg growing in Part. Values of the Part of

morbid Humours. See MATURATION, DIGESTION.

morbid sumour. Sociation and the Modicine, a kind of Medicanena, of the Conditions of an Empisher, proper to bring visious and correct and the Medicanena, of the Conditions of an Empisher, proper to bring visious and correct and the sound dispote ten for butter, Rose of Rulewa, of Edwards and Day, and dispote ten for Butter, Rose of Kullows, of Edwards and Leaves of Oxylapathum are effected good Pepsfick, or Managare.

Maturatives The Word is form'd from the Greek studies to digett or

PRF1A, popularly PEP or PIP, a Differit of Fowls; confiling in a lirtle white day Pellicle, atfaing on the Tongoe, from their having thirfted must, from their having thirfted must, and the Surreying of Roads, from their having thirfted must.

Among Falconers, the Pepia is a Difease arising in the angues of their Birds, from eating Salt and stinking Flesh the Pepis is a Difease arising in the PEPSIS, in Medicine, the Cochon, or digesting of Foods.

přišíší, in Medicine, the Cofficia, or digeiling of Foca, or Humomin in the Body. See Coc-trons and Dichartion. The Word is Greef, while, boiling.

The Word is Greef, while, boiling.

PEPUZIARS, a Sed of assistant Harticks, otherwife, call'd Physgosis, or Catalybrogisms.

They had their Name Physicians from a Petersee that 7, C. aspeard to one of their Propheedies in the City Phys. as in Physicia, which was their holy City. See Quristrates in Physicia, which was their holy City.

FER Defension, by Distent, in Chymistry, a particular manner of Distillation. See Descent. FER Desegration. See Descent. FER Descention. See Descent. At a call of larta, disclosed by the cookies or moisture of the At, is call of oil of Tarate for Designation, &c. See TARTAR.

PER Arfin, PER Thefin. Terms in Music. Per is a Latin Preposition, signifying by, during; Arfis and Thefis are Greek Words, the first whereof signifies Elevation; the second

Per Trefin, fignifies in besting or during the first time of the Measure; Per Arfin, in rufing, or in the last Time of · Meafure

A Song, Counter-point, Fugue, &c. are faid to be per Thefin, when the Notes descend from the Acute to the Grave; and on the contrary, that they are per Arfin, when Notes afcend from Grave to Acute

PERAMBULATION of the Forest, the Surveying or Walking about the Forest, or the Limits of it, by Juffices or other Officers thereto appointed, to fee down the Meres and Bounds thereof, and what is within the Forest, and what

See Purcieu and Forest. without. PERAMBULATIONE facients, is a Writ comanding the Sheriffs to make *Perambulation*, and fer down the Bounds of two or more Manours, whose Limits are not so

PER AMBULATOR, in Surveying, an Instrument for the measuring of Distances, call'd also Pedameter, Way-wifer, and Surveying Wheel. See PEDOMITER and SURVEYING-

Its Advantages are its Handinefs, and Expedition; its con-trivance is fuch, as that it may be fitted to the Wheel of a Coach; in which it preforms its Office, and measures the Road without any Trouble at all. There is fome Difference in its make: That now most

ufual, as most Convenient, is as follows.

Confirmation of the Perambulator or Way-wifer.

The Perambulator (represented Tab. Surveying Fig. 22.) confifts of a Wheel 2 Foot 7 Inches and an half in Diaconfilts of a Wheel a Foor I Inches and an half in Dis-meter; configurably half a Bole, or eight Foor and 3 Inches meters; configurably half a Bole, or eight Foor and 3 Inches an Ioch in Diameter, divided into 8 Teeth, which upon moving the Wheel round, fall into the 8 Teeth of another Nat 6, fav'd on one End of an Iron Red 25, and thus run volunto. This Rod lying along a Groove in the Sile of the Carriage of the Inframent, has at its other End a Square (Hob, jurn which in the Find of the Hiet Cylinder 2°. This Hole, into which as the knd of ot the little Cyminder 34. Think Cyminder is difficult under the Disalysise of a Movement, at the End of the Carriage 25, in fuch manner as to be moveable which falling into the 3 Text for 8 Wheel perpendicular thereto, upon driving the Influentest foeward, that Wheel makes a Revolution, each to Pale. On the Axis of this Wheel he a Pinion with fire Text, in the Wheel of the Text of a white Text of a white Text of white Text of the Text of

Tech of another Wheel of the Section State of Index round such Pole, or bail Willie.

This laft Wheel then entrying a Hand or Index round with it, over the Divisions of the Dial-plate whose outer Limb is divided into 160 Parts, corresponding to the 160 Pulces points out the Numbers of Poles passed on the 160 Pulces points out the Numbers of Poles passed out the Numbers of Poles passed out the Numbers of Numbers of

Pales points out the Numbers of Pales platfd vier. Again, on the Asjor this lail Wheel, is a Plaine connings an Tech, which failing into the Tech of a third Wheel that has a Petal, which failing into the Tech of a third Wheel that has a Petal, where it more round in 150 Poles, can which failing into the Tech of a fourth Wheel that has ye Tech, driver it ence round in 12 Miller. This fourth Wheel carrying another facts, over the in-rest Limb of the Blain-Sin, divided into 15, for Miles, and each Mill fishbirded into Haive, Quarters, and Fascings, level Account of the Life Miller and Mills patful with a Wheel there Account of the Life Mills and Mills patful were all

keep Account of the half Miles and Miles pass'd over as far as 12 Miles.

Use of the PERAMBULATOR or Way-wifer.

and large Differees, where a great deal of Expedition, and not over much Accuracy is required. This evident the driv-ing a along, and observing the Hands; has the same Effect as dragging the Chain, and taking account of the Chains and Links. See therefore the Article CHAIN.

PERCEPTION, in Philosophy, a simple Comprehension 3 or that simple idea of a Thing, which we conceive without making any Affirmation or Negation. See IDEA.

If that Idea exhibit any Image to the Mind, it is call'd Imagination; if it exhibit none, it retains the general Name of Perception. See IMAGINATION.
Thus when we hear the Word Tree; the Idea we then form

in the Mind, is call'd an Imagination. But when we hear of a Thing, whereof no Image can be framed as of doubting, the Idea we then have is a mere Perception. See Sensa-

It may be observed, that the Idea's we receive by Perce ption, are often alter'd by the Judgement, without our taking notice of it; thus a Globe being fet before our Eyes, the Idea thereby imprinted, is a flat Circle, variously shadow'd: But being accultom'd to perceive what kind of Appearances convex Bodies are wont to make in us; the Judgement alters the Appearances into their Caules; and from that Variety of Shadow or Colour trames to itself the Perception of a convex Figure of one uniform Colour. See Judgement.

Figure of one uniform Colour. See JUDDEMENT.
This in many Cafes, by a fettled Hisbit, is perform'd for readily, that we take that for the Furefrium of our Sentiation,
which is but an Idea found by the Judgement, of that one
ferres only to excite the other, and is stare taken notice of itfelif is a a Man who reads or bears with Attention, takes little
notice of the Charachern or Sounds; but of the Idea's which

are excited in him rhereby.

are excited in him thereby.

The Family of Perryties, ferms to be that which part.

The Family of Perryties, ferms to be that which part.

The Family of Perryties, ferms to be that which part.

The Family of Perryties is the Control of Perryties of Perryties of Perryties in the Control of Perryties is the Control of Perryties in the Control of Perryties in the Perryties in the

together Per minima.

PER-SE, in Chymiffry. When a Body is diffill'd fingly, and without the ufual addition of any other Matter to raife

PER. S.E., in Chymdiey, When a Body is diffilled fingly,
it is in daily to kindled Perg. So. SO DITTERATION.
The genuine Spirits of Hard-born, see those raid Perg.
The genuine Spirits of Hard-born, see those raid Perg.
In the spirits of hard-born, see those raid Perg.
In the PER. C.H., Pice or Ref. 1, long Mories, mean offel in
PER. C.H., Pice or Ref. 1, long Mories, mean offel in
PER. C.H., Pice or Ref. 1, long Mories, mean offel in
Among the old Ressent, and fill among Commerciaes,
the Perics, Perg. 1, to see foot, and they observed cit it the
In Regulard, the Sature Percei consists as Posts and 4, and
for Cappiers woods, fig. 1 See tax 4 spinse Perches make.
The Commercy Percei by series in various Counties in
Segliciphier in a Series in Sec. 1 See 1 See 1 See 1 See 1
The Commercy Percei by series in various Counties in
Segliciphier in a Series in Sec. 1 See 1 See 1 See 1 See 1
The Commercy Percei by series in various Counties in
Segliciphier in a Series in Sec. 1 See 1 See 1 See 1 See 1
The Commercy Percei by series in various Counties in
Segliciphier in a Series in Sec. 1 See 1 See 1 See 1
The Commercy Percei by series in various Counties in
Segliciphier in a Series in Sec. 1 See 1 See 1 See 1
The Commercy Perceived See 1 See 1 See 1 See 1 See 1
The Commercy Perceived See 1 See 1 See 1 See 1
The Commercy Perceived See 1 See 1 See 1 See 1 See 1
The Commercy See 1 See 2 See 2 See 2
The Commercy Se

tary in Nottingham. See Foot. In Herefordfore, a Perch of walking is 16 ' Foot ; a Perc. Mary in Nottingham. f Ditching 21 Foot, &c. In France, the Perib is from 18 to 23, and even 27 of

PERCHANT, among Fowlers a Decoy-bird, which the Fowler has faften'd by the Foot, and which flutters about the Place where 'its tied, to draw other Birds to it, and give the Fowler an Occasion of carching 'en.

PERCOLATION, in Medicine, &c. the Action of Filtrating. See FILTRATION.
PERCUSSION, in Physicks, the Impression a Body makes in falling or striking upon another; or the Shock or Collision of two Bodies, which concurring, alter each others Motion.

See Morion and Collision. Percuffion is either direct or oblique.

Direct Percuffon, is where the Impulfe is given in the
Direction of a right Line perpendicular to the point of Con-

In Spheres, therefore, the Percuffon is direct, when the

Oblique Percuffion, is where the Impulse is given in the Direction of a Line Oblique to the Point of Contact. See OBLIQUE.

Dollrine of Percussion, or the Laws of Motion, refulling from the PERCUSSION of Bodies.

In Bodies either perfectly hard, or perfectly foft, and for rold of all Elatticity; the Laws of Porceillon are easily decramind to but fince, eren the hardell Bodies have their flant of Elasticity; and in Elastic Bodies, the Laws are very difficult for the behalded and the beha

### Laws of Percussion in Bodies not Elaffic.

I. If a Body in Motion as A (Tab. Mechanicks Fig. 40.) ftrike directly against another at rest B: the first will lose just as much of its Motion as it communicates to the ad; so that the two will proceed thence with an equal Velocity, as if collected into one Mafs.

If A therefore be triple of B, it will lofe one fourth of its Motion; fo, that if before, it moved thro a Line of 24 Foot in a Minute, it will now only move 18.

II. If a moving Body, A, thinke against another already in Motion, B; the first will increase the Velocity of the latter; but will lote less of its own Motion than if the latter had been

at reft: Since all here required, is that fome Degrees of Mo-tion be added to those it already has, to make em both protron be added to more it aiready has, to make em norn pro-ceed with an equal Velocity, perfect and the property of the property of the property fisher against the other B. lefs by half, and at reft: The first will immeter a Degrees of its Metion to the latter, and re-sults to itself: But it is thirds with 12 Degrees of Metion on

sales o't intell's But it is tittle with 12 Degrees of Motion on members the proper with the Degrees, it will com-mentate the Motion to make it proceed with the fine Velocity, half the Motion to make it proceed with the fine Velocity III. If it among more Bowly, and either in the fine Direction, or or moving more Bowly, and either in the fine Direction, or in a contary one, the Sum of the Moments, if the Bodier and the fine Direction, or their Difference, if they move before, will be the fame after the 2Protugifor as before.

IV. If two equal Bodies A and B meet each other with equal Velocities; after the Congress, they well both remain

at refl V. If a Body A, firike directly on another at reit B, its Celerity after the Smoke, is to its Celerity before it; as the Weight A is to the Sum of the Weights A and B; if there-fore the Weights were equal, the Celerity after the Shock will be held for the heave.

half of that before it,

be half of that bettore it.

VI. If a Body in Motion, A firike directly on another
moving more flowly, but in the fame Direction; the Velocity
after the Stock, will be equal to the Sum of the Momenta,
divided by the Sum of the Weights.

divided by the sum of the Weights.
VII. It was equal Bodies moving with different Velocities, firthe directly against each other; after the Conflict, they will proceed with the Semi-difference of the Velocities, wherewith they were moved before it.
VIII. If two Bodies J and J meet directly with Velocities where the weather than the semi-difference of the velocities where the semi-difference of the Velocity with Velocit

ties that are reciprocally as their Weights; after the Conflict, they will both remain at reft.

they will both remain at refl.

IX. If two Bodies A and B meet directly with the fame
Velocity, the Celerity after the Impulfe will be to that before it, as the Difference of the Weights to their Som.

X. If two Bodies meet directly with any Velocity whateever, the Celerity after the Stroak will be equal to the Semidifference of the Momenta, divided by the Sum of the

To determine the Momentum loft by the Conflict: multi-

19 determine the Momentum left by the Conflict; multi-ply the Celerity which the Body had before the Conflict, into its Mafs: Thus have you the Momentum before the Conflict. In like manner, multiply the Celerity after the Conflict. The latter Moment therefore being fabracked from the for-mer Leaves the Lofe. Hence may the Magnitudes of the

Strokes be effimated.

XI. A direct or perpendicular Stroke is to an Oblique one; as the whole Sine is to the Sine of the Angle of Inci-

#### Laws of Percussion in Elastic Bodies.

In Bodies perfectly Elaftic, the Force of Elafticity is equal to the force wherewith they are compreh'd, i. s. the Collifon of two fuch Bodies on each other, is equivalent to the Motion of two tuch Bodies on each other, is equivalent to the automative which either of 'em word acquire, or lofe, by meet fimple Impails. This Force exerting itself contrary ways a Motion equivalent thereto mid be furbarded from the Motion in the impelling Body, and added to that in the Body impell'd by mere impails, to find their Velocities after Peregion. See XII. If a Body ftrike directly on an immoveable Obstacle, either one, or both of 'em being Elastie; the Body will be reflected with the fame Velocity wherewith it struck, and in e fame Line.

the tame LIBE.

For if the Elisthicity were away, the whole ferce of the
Eody word be from in breaking the Oblitacle, and its wintion word be defined in breaking the Oblitacle, and its wintion word be diopped in The whole Force therefore is from a
near the compression of the control of the control

an Listile Force could theretoo fince them, the Establishy,
when the compressions Force is from; breaker the Establishy

to former flare, it repeals the other with the faunt Force

to former flare, it is repeals the other with the faunt Force

to former flare, it is repeals the other with the faunt Force wherewith it flruck; confequently it will rebound with the fame Velocity. And because an Elastic Body restores infelf in the fame Direction wherein it was compressed; there being no reason why if then declaring its Direction) the Body will rebound in the fame right Line.

XIII. If an Elaftic Body firthe obliquely on an inmoveable Obliacle, it will rebound in fuch manner as to make the Angle of Reflexion equal to the Angle of Incidence. See

REFLEXION XIV. If an Elaftic Body A, firike directly against another at rest B; after Percasson, A will remain at rest, and B proceed with the same Velocity which A had before the Shock,

ceed with the same Velocity which A had before the Shock, and in the Sime Direction.

For if the Bodies were not Elastic, each wou'd proceed after the Stroke in the Iame Direction, and with half the Ve-locity, but tince the Elastic Force acts in the fame Direction wherein the Comprection is made, and is equal to the comprefling Force; it repells A with half its Velocity, and there-fore thops its Motion; but it drives B further, with half its Ve-locity, and therefore accelerates its Motion. Tis therefore carried after the Shock with the whole Celerity wherewith Awas carried before it, and A remains at reli

Hence, fince A (Tab Mochanicks Fig. 41.) transfers all its name to B : B in like manner will transfer it to C : C again to and D to E. Wherefore, if there be feveral equal Elastic dies, mutually touching each other; and A be throck inft B; all the intermediate ones remaining at reft, the against B; all the intermediate ones remaining at rest, last alone, E will be mov'd; and that with the Vetocity will

with A ftruck against B. XV. If two equal Elaffic Bodies A and B meet di-felly, and with equal Velocity; each will rebound with he fame Velocity wherewith it thrack, and in the fame Di-

rection.

For fetting afide the Elafticity, both won'd remain at reft:

Their whole Force therefore is spent in the Compression; but
their Elastic Force whereby they rebound in the formet Direction, is equal thereto: This Force therefore afting equally on each Body A and B will produce the same Celerity in each.

on each Body A ROLZ will produce the tame Cazerry in casus and that, equal to the former. So that they will rebound with the Colerity wherewith they firmek. XVI. I thus equal Elailée Bodies A and B firike directly againff each other with unequal Velocities; after the Shock they will rebound with interchanged Velocities.

tacy win recommon win interenanges volutions. For fispore the Bodes to occur with the Velocities C + c and  $C \cdot B$  they much with the fame Velocity  $C_3$  after the Shock, they would both more with the Velocity  $C_3$  if  $E \cdot B$  were at rel, and  $E \cdot B$  bould fifthe upon it with the Celerity  $c_3$  after the Shock,  $E \cdot B$  word at remain at relt, and  $E \cdot B$  be moved with the Celerity  $\epsilon$ . Therefore the Excess of Celerity  $\epsilon$ , wherewith A is carried, is transferr'd wholly by the Conflict to B:A therefore is mov'd with the Celerity C, and B with

to B: 2 thereure a mar- of the Celerity C+.

Hunc, after Persoffien, they recede from each other with the fame Volcoity as, before, they concurred.

XVII. If an Elattic Eody S, firthe on another equal one, induced with a left Degree of Monton, B; after Personfien, both will proceed in the Tame, wis, the former, Direction, and will proceed in the same, with interchanged Velocities.

with Interchanged Velocities.
For fuppofe A to fittik with the Velocity C + c, upon B moving with the Velocity C. Since by reason of the equal Velocities C and C, there arises no Impulled 1 its the fame thing as if A fittick on B with the fole Celerity c, on B at reft. thing sait Attrack on T with the fole Celerity 6, on B at refil. But in that cale A wood remain at reft, and B more with the Velocity 6: Therefore, after Percoffee, A will move with the fole Celetity 6; and T with the Celerity C + 6, both seconding to the former Direction, there being mothing to change that Direction.

change that Direction.

XVIII, if a Body & flittle on another 28, the Stroke is the
fame as would be made by the Eody Affithing on 28 at rel,
with the Difference of their Vectories.

Hatto, fince the Elistik Force is equal to the Percuifficus it
sets on the Bodies of and 28 with the Difference of the Velocities they had before the Congress.

XIX, 76 determine the Velocities of any two Elaftic Bodies

XIX, 76 determine the Velocities of any two Elaftic Bodies

A and B, firthing directly on each other with any Veloci

If the Elastic Body A strike on B, either at rest, or moving tower than A; the Velocity v. g. of A stree Percusson, is ound thus: as the Sum of the Weights is to double of either of m, fappofe, in this Cafe, of \$2 ; fo is the Difference of the Ve-cities before the Congress, to a Velocity, which subtracted from the Velocity of A before the Impulse (in the other Case added to it) leaves the Velocity of A after the Con-

If the two Elsflic Bodies A and B meet each other; the Velocity of A after the Impulie is found thus: As the Sum of the Weights, is to the double of either of 'em, fuppose of B; so is the Sum of the Velocities before Collision, to a

Velocity which fabrracted from the Velocity of A before Velocity which indirected from the Velocity of A before Collifion, leaves its Celerity after Collifion.

XX. If an Elaftic Body A firthe directly on another at reft B<sub>2</sub> is a Velocity after Perceiffor will be to its Velocity before it, as the Difference of Weights is or their Sum: But the Velocity it communicates to B is the fame, as double the Weight of A to the Sum of the Weights.

Weight of Are the Sum of the Weights.
After Terrelling, therefore, the Voicity of A is to the Voicity of Area of of

Shock 3 and in a direct mutual Encounter, the difference of Velocities after the Shock is the fame with their Sum helore it. Hence they retire from each other after the Impulie, with

Hence they retire from each other after the impulie, with the fame Velocity wherewith they met.

XXIII. In the Colinion of Elaftic Bodies, there is not always prefery of the fame Momentum, or as the Corresponsic express it, the fame Quantity of Motion 3 but it is fometimes increased, and fomerimes diminish d.

'Tis a Mistake, therefore of Carres and his Followers, that the same Quantity of Motion is still preserved in the World.

Sec CARTESIAN. XXIV. If two Elaftic Bodies, Aand B, meet, or overtake each other directly, the Sam of the Factums of the Maffes into the Squares of the Velocities, remains the fame before and

after the Congress. Hence the same Quantity of Force is likewise preserv'd in

XXV. To determine the Motion of two Bodies A and B, ig. 41.) firthing obliquely against each esher, whether they be

(Fig. 4.1.) Firthing consumer gaming once that, "answer large t Eight," or t Heißber, of t Heißber, of

according to thefe Directions are not mutually oppolite, and mult ther cfore be confider'd in the Congress. But fines the must ther clore be confider of in the Congress. But fince the Lines AD and BF, or which is the fame, EC and GC con-flittute the fame right Line perpendicular to DC; 'its the fame as if the Bodies A and B show'd meet directly with

Asier Congrets: for atter Pervaying, the Body will more according to the Diriction CI, and with a Volcity as CI. In the fame manner it will be found that the rebounding Body B will move along the Diagonal of the Berellebgum, CM, in which LM = BG. The Volcities therefore S is an S in S

The Centre of Percuffion is the fame with the Centre of Oscillation, if the percutient Body revolve round a fix'd Axis. OC OSCILLATION all the Parts of the percutient Body be carried with a lel Motion, or with the fame Velocity; the Centre of

Percuffion is the fame with the Centre of Gravity. See GRA-

PERDONATIO Utlegorie, in Law, a Pardon for one so is out-law'd. See Pardon and Out-Lawry. PERDUE, a Soldier placed in a dangerous, and almost desperate Post.

The Word is French, and litterally fignishes left.

Thus we fay Enfans Perduss, for the Forlorn Hope of an Army. See Forlogn. To lie Perdus, is to lie flat on the Belly, to lie clofely in

wait.

PEREMPTORY, in Law, an Epithet applied to an Action, Exception, U.S. Spaijsing, can to be abbidues, final, and the state of the

PEREGRINE, foreign, cuclandife; a Term applied a-mong Aftrologers, to a Planet, when found in a Sign where it has none of its Effential Dignitics.

it has none of its Elitonial Dignitics.

PRRFECT, fomething to which nothing is wanning; or that has all the Requilites. See PERFECT.

PERFECT, in Arithmetic. Perfect Number is that, all whole aliquor Parts added together, make the fame Number with the Number whereof they are fuch Parts. See Number with the Number whereof they are fuch Parts. See Number with the Number whereof they are fuch Parts. See Number whereof they are fuch Parts. See Number whereof they are fuch Parts. BER. PREPRET in Grammar. Preser-or Preserit-terfelt Tenfe, is

PREMERY IN GRAMMER. Prefer of Prevent-Perfect Forfice I found, is an Inflection, marking a Time perfectly part; as I have heard. Philymann perfectly part, as I had beard, Ed. Sec Tenes. Persecut in Mufic, formething that fills and fairlies the Mind and the Ear.

Mind and the Ear.

In this Senfe we fay, Perfell Culture, Perfell Concard,
Sec. Sec Concount, Cantract, Sec.

Mark Andread and two blades of Mades, the Major and
Mark Andread and two blades of Mades, the Major and
First Concept of the Concept of the Perfell of Interfeld. Sec Monn.

The Wend Perfell when joind with the Wordst Afold and
Tinns, utally expect might Time or Meature; in reposition
to double Time, which they called imprefeld. Sec Private,
the Wend Perfel which they called imprefeld. Sec Private,
the Wend Perfect of the Concept of the Wend Perfect of the Perf

TRIPLE, EC.

TRIFLE, SG.

PRRECT, in Physicology. A perfect Animal, is used by some
Writers for that which is born by univocal Generation, in oppofition to Infects, which they pretend to be born by equivocal ition to inicers, which they pretend to be born by equivocal Generation Sec Gineration, Survocal, Equi vocal, See Perwicer Fourier, are such as have Petala, Pistii, Stamina and Apices. See Flowers.

PERFECTION is divided into Physical, Moral and Merchanters.

PERILECTION is divided into Phylical, Morial and Meterological, the analysis of the property o

to its Nature. See Essence.

This is either Absolute, where all Imperfection is excluded a fuch is the Perfection of God: Or Secondum quid, and in its kind. See Goon. its kind. PER FECTISSIMATE, a Quality or Dignity whereof we find mention made in the Code.

Perfectiffini were those with whom the Emperors introded

Perfectifium were note with women the Empetia intension any Office, Administration or Government. Editat imagind the Name had been only given to the Government of Hisfantia Garragomough, and Norice; but Calvan has thewn the contrary in his Lexicon Hariateum. The Perfectifions were infective to the Cartifioni, the' that Word imply maje Perfect. See CLARISSIMI.

Sec CLARISSIM.
PERFIDIA, in Mufic, a Term borrowed from the Itelianz, fignifying an Affectation of doing always the fame Thing, of following the fame Defign, continuing the fame Motion, the fame Song, the fame Paffage, and the fame Figures of

Such are the fliff Baffes of Chacones, &c. because depending wholly on the Caprice of the Compoter,
PERFORANS Manus, in Anatomy, a Muscle of the
Hand; call'd alfo, from its Action, Flexor 5til Internedii di-

gitorum Manus,
It arties fielby from the fore and upper Part of the Ulna

"It artist fathy from the fore and upper Part of the Ults, and the Ligamon which joins that and the Radius; and after forming a pertry thick fathy Body, in fight into four and the Ligamon which the Radius; and after the Control of the Control of

PERFORATUS Manus, in Anatomy, a Mufcle of the Fingers, thus call'd from the Perforation of its Tendons by those of the Perforant; foractimes Flexor Secunda Internation

their of the Yevyradus'; sometimes Pleson Secural Intervolus; from its Action and fornecimes sublimits; representations of the Harries tendinces from the internal Providentine of the Harries to the sublimits of the Harries and because and be-ing parted into four, public north Harries and be-where it fends feveral Tendons into the Upper-part of the where it fends feveral Tendons into the Upper-part of the Palatane Geach Finger: Every Tendon having at the first in-termeday, a Siit or Perforation for the Admillion of the Ten-dons of the Perforan.

does of the Periorans.

PREVEATE SPECIA; in Anatomy, a Mofele of the Foot, call'd alio Flexor petits, & Jublimsi.

I artife from the inner and lower Part of the Calcanoum; and fends a Lendon to evey Bone of the ferond Phalamx of each of the four 1elf Toke. In this, as the Perioratis of the Hand, there is a Silt in each Tendon about the first Joins, which less thore the Tendon about the first Joins, which less thore the Tendon of the Performs.

which lets thro the Tendon of the Performs.
FERFUML, an agreeable Odour, fifthing the Senfe of
Smeiling. See Orous and SMELL.
The generality of Performer are made or composed
with Music, Ambert greece, Civet, Rofe, and Cedar woods,
Iris, Ormace-Flowers, Juffermin, Jonquills, Tuberofee, and
other odorficrous Flowers.

Penalticsoff, Benick, Civet

Therein alto enter Stomx, Frankincenfe, Benjoin, Cloves, Mace, and other like Drugs, commonly call'd Aromatics. See AROMATIC.

AROMATIC.
Some perfumes are also composed with Aromatic Herbs, as Lavender, Marjoram, Sage, Thyme, Hyffop, &c.
Perfumsy: were necited year much in Use 5 periodicity these wherein Musk, Ambergreese, and Civet, enter; they are now generally distinct, since People have become sensible of the flarm they do the Head. In Spain and Barg they are filly

Alamode.

Parrowars, Sufficis, in Pharmacy, &c. are Topic, or ex-ternal Medicines, composed of certain Powders and Gams, which being mix'd together, and thrown on the Coais, pro-duce a Vapour or Smook, Saluary in feveral Difeates. See SUFFITUS and SUFFIMENTUM

Fits of the Mother are cured by a Perfume of Partridge Feathers, old Leather, &c. burnt. Mercury is fornetimes ap-plied by way of Perfuse, call'd Perfuse of Cinnabar. For those whose Brain is too humid, Tobacco is prescribed

by way of Perfume. by way of Perfusion.

There are dry Perfusions made up in Troches, Pills, &c. of Oilbannan, Mattic, Aloes, &c. and motil vifcous ones of the juices of Herbs, &c.

PERIANTELUM, in Bostany the little green Leaves which compais the Bostom of a Flower; call'd by Dr. Green the Embelsoners and by whether the Color.

siement, and by others the Calyar, See CALYA. See FLOWER

The Use of the Periambeum is to be a Support, Security, and as it were Bands, to the other Parts of the Flower. Mr. Ray observes, that Flowers, whose Leaves or Petala Mr. Ray observes, that Flowers, whote Leaves or Petala are strengs, as a needing none. Carnations, Ed. whose Petala are long and stender, have their Perisations of one piece; others, as the Knap-week, Ed. have it of several Pieces, and in divers rounds, and all with a counterchangeable Reflect to each other, for the greater Strength and Security of 'emfelves, and the Petala, c, they include. The Word is form'd from the Geeck supl about and apple

Elower Flower.

PERIAPTA, a kind of Medicines, otherwife call'd PE-RIAMMA, Appends and Annutry; which being tied about the Neck, are supposed to prevent, or cure Diseases. See AMULEY. See also PHYLACTERY.

PERICARDIARY, an Epithet given to Worms generated in the Pericardium, or Capfula of the Heart. See Worms

and PERICARDIUM. and PERIVARDIUM.

M. Andry makes these one of the twelve Kinds of Worms engender'd in the human Body: They fometimes occasion Convulsions; the Paroxysms whereof last bur a little while,

but return inceffantly. but return incertainty.

Thefe Worms are accompanied with a frightful Paleness of
the Pace, a low Pulle, violent Pains of the Stomach and Breath.

They formerimes occasion a Palpintion of the Heart. See
PALPITATION, M. Ambry adds, that they have been known
to occasion indied Death.

PERICARDIUM, in Anatomy, a Capfula, or Pouch,

MENCICARDIUM, in Anatomy, a Captula, or Pooch, which includes the Heart. See Heart.

It confifts of a double Membrane; the Inner arining from the Coast of the Veffel; of the Heart, and the Outerfrom the Media(finam. Its Figure refembles that of the Heart, Conoismonth of the Heart, and the Conoismonth of the Heart, Conoismonth of dal; and it embraces the Heart laxly, allowing Room for its

Puliation.

"Tis connected either immediately, or by Veficulæ emitted from it, to the Sternum, Back, Jugulum, and in human Bodies to the tendinous Part, or Centre of the Disphragm; where-

such the templates party of Centre of the Longhings; where-are in Bruestir is look.

Its Use is supposed to be to defend the Heart; as like-wife to contain a fost serous Humour, which serves to lubri-op 0

eate and moisten the Heart, and prevent any Inflammation that seez an mount of the first, and prevent any undishmistion of the Heart and its Carpilla. But this latter Ute is controvered, for fome take the Humour found in it to be muntarul, and will have it forcibly leparated by the convolute Agonics Supervising in the Article Or Death. In effect, Annatomits are pushed to find whence it flowld come, or from what Veille is it served. The word Perintribum is formed from drome and for the word f

ut and xastia Heart. about and says's. Heart.

Dr. Keit, in his Treatife of Jaim. Severion shows that the
Liquor in the Personstians much be the most Field of any
feparated from the Blood, because its Particles unite sint,
and are ferered first. For those Particles which unite sint,
will have the greated arreative force, consequently their Particles much be the most Spherical and most Soild; and therethere where the several transitive was the selection of the s

fore their Contact the least of any, therefore the most Fluid.

See FLUIDITY. In the Memoirs of the French Academy, M. de Morral pives an Inflance of a Pericardium, which being open'd, the Liquer contain'd therein, was found congeal'd toto a Condiftence fit to be cut with a Knife, and two fquare Fingers ick about the Heart.

thick about the Heart.

PERICARPHA, from 194/, circum, about, and Corpus
the Wrift, are Medicines that are applied to the Wrift.

PERICARPUS, in Botany, a Pellicle, or thin Membrane, incompating the Fruit or Grain of a Plant. See

FRUIT, SEED, SG.
The Words torm'd of the Greek was about and zapads Fruit.

The Words found of the Grothway about and says) Fruit. PERICHOROUS, is. Antaquity, a Name given by the Grothan and Grothan their practice of the Gods. See Gastra. The Word in the Original, figuine soor or sugglescence; apparently, because some best the People of the Knighbour-loom, the Grothan Gro

PERICRANIUM, in Anatomy, a thick folid Coat or Membrane, covering the out Side of the Cronium or Skull.

See Canasium.

Some call it by the general Name of Parigitum, because of its adhering to the Bose others divide it inn reo Miramoni, the under where of Immediate Programmer, the index can be considered to the Canasium of t

means of feveral Filaments torms that there feels with a file feels, it is fill found connected to the durar Matter by Ji-brees transfinited from it to the Membrane, thro' the Sauretz. About the Origin of the temporal Mucles, the two Ocust of the Theirannum part; the Outer paffing over those Mulcles, and the Inner till adheting electe to the Chemison. See Parad the Inner till adheting electe to the Chemison. RIOSTEUM.

The Word is form'd from the Greek ampl about and sparler Head

PERIDROME, PERIDROMUS, in the ancient Architecture, the Space, Gallery, Alley, or the like, in a Peripre-re, between the Columns and the Wall. Salmafins observes that the Periagrams: ferved for Walks among the Greeks. that the Persistence is revealed by Maiss among the Orbest-PERIOECL, in Geography, fach inhabitants of the Globe as have the fame Latitudes, but opposite Longitudes; of live under the fame Parallel, and the fame Meridian, but in dif-ferent Semi-circles of that Meridian. See Grope. Thefe have the fame common Seafons throughout the

These have the same common Seasons throughout the ear; and the same Phænomena of the heavenly Bodies; but Year; and the lame Phenomena of the Day, are opposite to each other, their Hours, or times of the Day, are opposite to each other, their Hours, with the one 'tis Mid-day; with the other 'tis

When v. g. with the one 'tis Mid-day; with the other 'tis Mid-night. See Day and Season. The Word is form'd from the Greek week about and season.

I inhabit.

PERIEGETES, a Greek Term, fignifying a Perfon who conducts another about a Thing, to thow it him, \$56.

It is applied in Antiquity to Geographers; effectably to their who deteribed the Sen-Coatts. This Diverying is filled their who described the Sen-Coatts. This Diverying is filled.

Periegetes, for publishing a Geography in Hexameter Veries; which Englatens has commenced on, both, in Greek.

which Englatum has commence on, both, in Greek.

The Name Periogeris was also given to those who conducted Strangers about in Cities, to firew 'em the Antiquities, Monument, Curiodities, Est. thereof.

These Periogers were the fame with what they now call

These Periogetes were the same with what they now call Antiquaries in Listy. See ANTIQUANY.

PERIGEUM, PERIGEE, in Aftwoomy, that point of the Havens, wherein the Sun and Planets are at their leaft Diffance from the Earth. See EXCENTRIC.

The Moon in her Perigee is 53 or 54 Semi-dameters of the

The Moenin are region in 3 of the content of the first blank and the first blank are t and vi Torre, Earth.

The Copernicans use the Word Peribelium in heu of Peigeum; because they place the Sun in the Centre. See Pr.

RIHELIUM FIRELEUM, in Aftronomy, that point of the Orbit of a Planet, or Comet, wherein it is at its leaft Diffance from the Sun. See Planet, Comet, Sun, Ec.
The Word is form'd from the Greek sup; and M⊕€;

The word to Sol, Sun,

The ancient Aftronomers, in lieu hereof used Perigating;

because they placed the Earth in the Centre. See Pant-

PEREGRINARY, PEREGRINARIUS, in the ancien

The Perimeters or Surfaces, or rigores, are Lines; those of oddies are Surfaces. See Superpreters. In circular Figures, &c. infected of Perimeter we fay Circumference or Periphery. See Party Fay.

The Word is form'd from the Greek see and payer Mea-

PERINAEUM, in Anatomy, the Space between the Pe-nis or Scratum, and the Fundament; properly the Ligamen-tous Scam; call'd by the Latint, Femen, and Interefermineum. The Word Peringum is form'd from the Oreck med and

PERINDE Valere, in the Canon Law, a Difpenfation granted a Clerk, who being legally incapable of a Benefice, or other ecclefialtical Function, is, se juste, admitted to it. See DISPENSATIO

The Perinde Valere, is a kind of Writ; rhus call'd from two Words therein, fignifying the Differnation to be equiva-lent or tantamount to a legal Capacity.

PERIOCHA, an Argument containing the Sum of a Dif-PERIOD, in Aftronomy, the Time taken up by a Star or Planet, in making a Revolution; or the Duration of its Courfe, till it return to the same Point of the Heavens. See

REVOLUTION.

Remarkation.

The Sank, or rather the Earth Period, is 45 Day, for Hoon, 4. Min. That of the Moon at 7 Days, 13 Hours, 5 Min. The Other Moon at 7 Days, 13 Hours, 5 Min. The Period of the Conces are one many of 'em pure well afternish. See Court. The Special of the Conces are one many of 'em pure well afternish. See Court. The Special of the Conces are one start of the Period Foundation, 1 Days of the Special Concession, 1 Days of the Special Concession, 2 Days of the Period Foundation, 1 Days of the Special Concession, 2 Days of the Special Con

Days h. " I mean Dift. 953800 10179 6 36 26 Jupiter Mars 520110 4332 20 686 27 151369 365 16 49 24 72333 Mercury 87 23 15 38710

PERIOD, in Chronology, an Epocha or interval of Time, by which the Years are accounted; or a Series of Years, whereby, in different Nations, and on different Occasions

whereby, in disherent Nations, and on distrerat Occasions. True is meeting 4. See T.M.s...

Such hare the Califys, and Associate Pariels, two different versions of the Company of the Co

Years It was thus call'd from its Inventor Advins. See Mac-voter. See also Creat. Series of 9 y Years, returning in a perpensal Circle, which chapled the new and full Moose, preparal Circle, which chapled the new and full Moose, College Period is an improvement on the Monseic of y Years, which proving insecuring. Call'prist the Advances multiplied it by 4, and thus arose the Call'prist Period. See Canterior. Hippendrul's Pacano, is a Series of 50 yeal fair Years, per turning in a coultant round's and rethring the new and full Mooses to the face Party of the Sair Year, secording to the

Moons to the time Bay on the totar Yest's accounting to the continuent of Elipsel's monthlying the Calippie Period by a-ffer the Calippie Period by a Higher and the Calippie Period by a-Higheren's affirmed the Quantity of the Iolar Year to be 50 Days, 3 lones, 52 12s. And hence concluded that in to A Teats, Calippien's 'Period wou'd Err a whole Day. He therefore multiple the 'Period by A, and from the Product, call away an entire Day. See even this does not reflore who new and full Moons to the Ease Day throughout the new and full Moons to the Ease Day throughout the See \*\*Period\*\*

Period: But they are formetimes anticipated a Day 8 Hours

Persist just they are formermes amarquetes 1 by 8 Hean, Philipsian Paran, an Internal of 13,2 Philins Yann, which clayed, the new and full Moon, recurs on the firm Pay of the Philipsian Var a seconding to the Seminant of Palternan Same acticle this Pariest to Discoplin coggons; and hence call in the Dissiphian Pariest choice call in the Time of England Goirs; because forecasted for computing the Time of England Lamar Cycle; phy the Conr Cycle is the Persist of the in 543. But teichine does this return to the Time of the theory of the Pariest Constraints of the Persist Constraints to the firm England principles of the Pariest Constraints of the firm England principles of the Pariest Constraints of the Time of the firm England particular the Pariest Constraints of the

to the same LRN LINGUISTON THE MODE DURATION; By I Day, 15 Hours, \$5 \text{ 59} \text{ 40°.} Disception Pearson. See Villarian Pearson. Disception Pearson, a Series of 1980 Fullow Years; ariting by the Multiplication of the Cycles of the Moon, the San, and

the Manipetation of the Cycles or in editor, in comm. Indictions into one another commencing from the first Day. The Indictions into one another commencing from the first Day. The Indian Period is also produced by multiplying the Viltarian Period by 1. Since every Year in the Judica Period bas in particular Cycles of the Moon, Sun, and Indictions; E.g.; only the first has the Moon's Cycle; the Sun's Cycle; and the Cycle of Indictions 1; all the Years of this Period has accurately distinguish of from each other.

Perres are accurately distinguish a ron can other.

"This Perres was inversed by Sessiger, as a common recepacie of Epocha's, to facilitate the redskinn of Years of a
given Epocha, to the of another Epocha likewish given. If
agrees with the Complemingdeliste Epocha, or Perrus, used
by the Greek, except in this tart the Cycle of the Sun,
Moon, and Indiction, are reclosed deliterately, and in that the
first hear of the Complemingdelistes Period cities from that

of the Julian Period.
Confiantinopolitan Period. See Julian Period.

A Period of two Members, Cierro Supplies us with: Hrgo B milis mee prissing vite Consussatinem, C. Casar, interesa-fam apernist; B bis commibus ad bone de republica Peran-

For dyravilla 20 his samilals at lone is regulating Deven-tion and figures allowed flightlift.

A Private of three Members, the fame Corre gives us in the Executions of the Allowed Corre gives us in the Executions of the Allowed Consequence on antierus, for extrement middless significant conference on the Corre ferri significant community and automate temperature. The Execution of the Community of the Correlation of the Conference of the Purificance of Periodices, Institutes at discrete assistant of Cold some specialty. In Administrative are sense for the Community of the Cold some specialty in the Conference for the Cold some specialty in the Cold some specialty in the factor assistant of Cold some specialty in the Cold some special for the Cold some specialty in the Cold some special some size of the Cold some special source in the Special Source of the Cold some special some size of the Cold some special some size of the Cold some special source in the Special Source of the Cold some special some size of the Co

uantur: Ita postremo ejiciuntur ut ne ad Sana quidem mortui mquiestant.

The Laws and Measures of Periods are pretty firicity regarded by Orators; at least by the ascient ones: In ordinary Differentle, and in the modern Torques, Authors are much

Jedi ferceit. In Ornery, the Members of 'Periodi are to be equal or northy equal's, that the Paradio or Redisof the Voice as the election of each Members may be energy equally but in Writings no may intended four or Periodi both longer and Henter than County, which admits of some left hair are Western or County, which admits of some left hair now Members, now greater than four. Short, meulthed Periodi break the Surcan, and check the Counter of the Sahlime and longs and along one embarrali and keep the Mind two long in Suffendir, and even string the Voice which is never to top but at the Biol of 'Periodic Members' and the Biol of 'Periodic

Train the Voce makes a section of the periods of two Members, call'd by the Greeks, Diceles, and the Latins, Hinembers: A Period of three Members, Tricoles, trimon-bris; and a Period of four, Quadrimembris, Tetrackel. See

hets and a Period of loar, Registermanne, accurate MESSER, MANDERE, MARTINE, MARTINE

The LA Co which Strainness in Gierra, who is his Outstra, Gry, Co-flet the Audition of Jones controlled a general perturbation of the Controlled and the Controlled and the Controlled and the Controlled and Controlled

as that the Junctures or Committures are fearce feen; but the whole flides equally round; without any notable Stops or Ine-qualities. Such are the Dicolos and Tricolos of Ciero abovemention'd.

Periods of Difcourfe are terminated and express'd; popularly

Pariest of Difound's are teeminated and caseful'd, propularly cauld a Building or Pariest. See Practices to the U.S. of Pariest and Pariest of Pariest and Pariest of wife not.

with not. One of Difficulty with above, that the Soft appear year for feer a feweral flower densitied highests, whereast does not form there though the Periods A. Things from the Periods and the Soft and could be no blown for detailing as longer. Where the evident has finished Hardel have period Seafest like "Periods"; and could not be marked accordingly that that the Soft and Could be soft and the Soft a the Pointing is neglected.

The Word Period in the original Greek wasiade figuifica

abit, circuit smilet, circuit.

Paraton, in Numbere, is a Dilitodium mode by a Point or Comma, sire; cercy fixth. Place, or Figures; and is used in feveral Figures or Places: which for and Newska Arross.

Paraton, in Medicine, the Space of Time a Difference constant, from its Deginning to its Declaration. See Directations, for the Directal Figures or Places with the analysis of the Directation See. Directations, are called periodical Place of the Arross Agost, in-termining Percent, Ce. See Parats.

In the Phit Translat. Dr. Antigrove gives use to distance of a periodic Policy, The Circuit missure of a periodic Policy.

a periodic Pally 3 Dr. Côt an Infiance of a periodic Convul-fion. Sec Convurtions, Pallry, efficients and comprehends a Period. See Pallron. A prividic Month, is the Space of Time wherein the Mond dilpatches her Period, or prividic Motion, viio. 3, 7 Days, 7 Hoon, 43 Minutes, in which Time the terums to the Game Point of the Zodick, wherein the was when file firthe San.

See MONTH Periodic Difenses, are fuch as decline and rife again with fimilar Symptoms alternately.

Periodic, in Grammar, is applied to a Stile or Difcourfe that has Numbers; or which confiles of juft, and artful

PERIODUS Sanguinit, the Circle of the Blood, or the Tour it makes round the Body, for the Support of Life. See CIRCULATION.
PERIODEUTA, a Church Officer among the Greeks zeflablish'd by the Council of Landiers, in Towns, Sc. where

The Periodeute were a Kind of rural Deans, fo call'd, ac-cording to Zonaras, because always on the Road, going from one Quarter to another to keep the People in their Duty. See

Hence, Gregory of The falonica calls 'em Ambulantes, Walkers. Balannon calls 'em Engreha, by which Name they are flill known among the Greeks at this Day. Sco

PERIOPHTHALMIUM, in natural Hiftery, a thin Skin, which Birds can draw over their Eyes, to defend 'em without shutting their Eye-lids: The same with the Nicititating Mem-EVANCEA

brane. See NICTITATING Membrane.

δρθαγμός Εγς. PERIOSTEUM, in Anatomy, a Membrane, pretty tough, and extremely fenfible, covering the whole exterior Surface of all the Bones of the Body; the Teeth alone excepted. See

Boose.
it is derived from the Dura Mater, and confifts principally
of Fibres detach'd thence; befides which is receives other
Fibres from the Memberas Commanis of the Mufcles, or as
Dr. Havers imagines, from the fieldy. Fibres of the Belly of
the Mutcles, which interfect the Former.
That Pater of it which covers the Canalam or Skull, is by

a peculiar Name call'd the Perieranium. See Pericranium. The Periofician is very thin every where; tho not every ore slike. It adheres closely to the Bone; and in some where slike. Places is observed to scool Fibres into the very Substance

thereof. thereos.

Its principal Ufe is to defend the Muscles and Tendons
from being fretted in their Action by the attrition of the hard
Subtiance of the Bones; and to give Notice, by its fentibility,
of any Thing that might anney the Bones.
Indeed, this laft Ufe is controverted; fome of the latest

Indeed, this last Use is controverted; some of the latest Anatomists maintaining that the Periostom is insensible. The Word is form'd from the Greek and about and sakes. The word is form'd from the Greek wal about and isian-PERIPATETICKS, a Sect of Philotophers, the Followers of Arifleties on the Maintainers of the Peripatetic Philoto-phys call'd also Ariflatchian. See Aristotelian.

phy; call'd also Aristothems. See ARISTOTELIAN.
Citero tells us that Plato left two excellent Difciples, Xenerates and Aristotle, who founded two Scots, which only di erates and Ariffette, who founded two Sects, which only dif-ferd in Name; The Former taking the Appellation of Made-mick, who were thefe that continued to hold their Confer-ence in the Academy, as Plato had done before; the other two followd Ariffette were call'd Periphetatics; from wipsearts, I walk, because they diffranted walking in the Lyourne See Executes.

Ammonius tetches the Name Periparetic from Plate him-felf, who only taught walking; and adds that the Difciples of Ariffotle, and thoto of Xencretes were equally call'd Peri-pateticks; the one Peripateticks of the Academy, the other Peripateticks of the Lycenne; but that at length, the Former quitted the Title Perspassio for that of Academic, on occa-fion of the Place where they affembled; and the Latter re-

tain'd simply that of Peripatetic. See ACADEMIC.
The greatest and best Part of Aristotles Philosophy, he bord from his Mafter Plate : Serranus affirms confidently, row a rom no mance Pages agreems affirms confidently, and type his able to demonstrate it, that there is oothing exquisite in any part of Arigostes Philotophy, Dialectica, Ernica, Politica, Physica, or Metaphysica, but is found in Plata. And of this Opinion are many of the anchest Authors, Cleaners, Alexandrunt, &c. See Platronism.

discontinuit, Sci. See PLATORISM.
Gale endecators to have that Ariffalls berrow'd a good clast of his Philodophy both Physical about in pil Morray and Cast of his Philodophy both Physical about in pil Morray and adds from Cherrism, one of his Christophy Arithman Cherrism, one of his Christophy adds from Cherrism, one of his Christophy Parket and Christophy Parket and Italian just instructions, a long I line; none of his Followers or Commention having a long I line; none of his Followers or Commention having a long the pilotophy perfect of their just pilotophy and continuity and pilotophy and pilotophy perfect of their just pilotophy and p

dared to make any lanovations therein: Till the Beginning of the XIIIth Cenury; when it began to be now model? A reformed System of Peripatricipia was sift introduced into the Schools, in the University of Partis; from whence it from fpread throughout Party and has simbilited in the Schools to this Day, under the Name of School Philiphylog. See Senvot, Sci. tion hereof is Ariftotle's Doctrine, frequently

The Foundation hereof is 27/1516/2 Doctrins, frequently minderlined, othere mingipled: Whence the Realises thereon may be denominated riginary Perforation. The control of the Control of

A Specimen of the Perifatetic Philosophy,

ARISTOTELIAN.
PERIPETIA, in the Drams, that part of a Tragedy wherein the Action is turn'd, the Plot unravel'd, and the whole concludes. See Trageny.

The Periperia is properly the Change of Condition whether appy or unhappy, which the principal Perion or Perions un-tergo; artifug from fome Difcovery or Incident, which gives

a new turn to the Action. The Peripeits therefore coincides with the Cataffrophe, or Unravelling; males we make the Peripeits to depend on the Cataffrophe, St. as an effect on its Canfe. See CATASTROPHER and UNRAVELLING.

The Periperis is fometimes induced by Remembrance or Discovery, as in the Occipier, where the Mestenger sent from Corinto to invite Occipus to the Crown, informs him that Polybus and Marops were not his Father and Mother; which begins a Difcovery, that Lsins, whom he had kill'd, and Jo-

The Word is compounded of the Greek stept about, and caffe whom he had then to Wife, were his Father and Mothers and throws him into the deepelt Diffress. See Discovery This Inflance Arifothe calls a double Peripetia.

This intrance despites calls a solute Perspettins.
The Qualities of the Perspettins are tried by probable and account of the Perspettins are tried by probable and account of the Perspettins are tried by probable and account of the Perspettins are tried as of the colleges of the Control Carlo.

Sometimes the Perspettins is occasional we have any Difference of the Perspettins are tried as the control of the Perspettins are tried as the probable of the Will, which, the many of the Perspettins are tried as the probable of the Will, which, the many and as so become accordably learning and as so become accordably learning and as to become accordably learning and as to become accordably learning and as to become accordably as the probable of the Perspettins is found from the Carlo Section 1.

These two Carlo Applied and faith the Perspettins is finely for the Perspettin is found from the Carlo September 1.

72s. fomething falling into a different State.
PERIPHERY, in Geometry, the Circumference, or Bounding-Line of a Circle, Ellipsis, Parabols, and other simi-Harrigues. See Circumprarance, Circum, San onto the Marker Figures. See Circumprarance, Circum, Sin The Periphery of every Circle is Inpposed to be divided into 360 Degrees, which are again fubdivided, each into 60 Minutos, the Minutes into Seconds, &c. See Degree, MINUTE, &C.

The Divisions of Degrees, therefore, are Fractions, The Divisions of Degrees, therefore, are Flatcions, whole Denominators proceed in a foxestipe Ratio: As, he Minute at, Second Title, Third William See SERRAREMME. But their Denominators being troublelone; in their flead are used the Indices of their Logarithms; hence the Degree, being the Integer, or Unit, immark in yo, the Minute by, Second by "Sc. See Minura, Success, GS. Geometricals demonstrate that a Chick is could to a Tri-Geometrical and consoling that a Chick is could be a Tri-

Geometricans demonstrate that a Carela is equal to a Tri-angle, which Bale is equal to the Periphery, and Alstrade to the Carela of the Carela of the Carela of the Carela Harce in Follows that Carela are a Ratio compounded of their Feripherics and Radii. But they are also is a dauptice Ratio of the Radii sherefore the Peripherics of Grobes are to each other as their Radiii and fines the Pheriphery of con Circle is to like Radius, as the Periphery of any other to its Radius; The Nation of the Periphery to any other to its Radius; The Nation of the Periphery to the Districts of Bale and the Fines in 18 and 18 an

The Word is form'd from the Greek aspector Circumfere, FERIPHRASIS, in Rhetoric, Circumiscution, a Circuit or Tour of Words, much affected by Orators, to avoid common and trite manners of Expression. See Ciacumtocurron,

FIGURE. The Periphrafis is of good nie on many occasions; and we are frequently forced to have recounte to it, to make Things be conceived, which it is not proper to name.

be conceived, which it is not proper to name.

The a Picco of Politensk to simpretis the Names, and only intimate, or defign elm. These Turns of Expression are particularly ferviceable in Octatory; for the Sublime admitting of no direct Citations, there must be a Compast taken to Intimate the Authors, whose Authority is borrowed. A Periperature of the Authors, whose Authority is borrowed. A Periperafis by turning round a proper Name to make it underflood, amplifies and raifes the Difconfe; but Care mult be taken it be not too much fwell'd, nor extended male recognition be not too much iwell'd, nor extended mal a propos, in hich Cafe it becomes flat and languid.

The Word in the original Greek orphopous, fignifies Circum-

PERIPLUS, a Voyage or Navigation round a certain or Sea Coafts.

Arrian has described all the Coasts of the black Sea, after having inspected 'em in Quality of General of the Empe-ror Asrian, to whom he dedicates the Description under the Title of Periphis of the Etasine Son.

PERIPNE UMONIA, in Medicine, an Inflammation of fome Part of the Thorax, properly of the Lungs; attended with an acute Fever, and a Difficulty of breathing. See

with an acute Ferer, and a Difficulty of breathing. See Lunes, 5%. The Performancies is diffinguished into over, true; and notics, species and inflammation of the Lungs, attended with a symptomatical Fever, and a County, the second with

a symptomatical Fever, and a Cough; by the Former of which it is diffinguished from an Ashma; and by the latter from a Plantiy. See Astema and Plantiy. See Astema and Plantiy, Suppose Its usual Causes are, want of Exercise, hard Study, Suppose the Cause of the Caus reffion of natural Evacuations, a moist Air, or the like.

When it arifes from a Phiegmon, the Patient fpits pure Blood; when it is Erefipelatons, the Sputam is yellow, and not much tinged with red. In this laft, the Break is not fo much contracted, but the Fever more violent.

much contracto, but the Fever muce violent.

The Periphenmonal is more dangerous, the' lefs painful
than a Pleanity: Its ufual way of going cff is by Expectoration of well. concocket reddiff, yellow, or white Matter.
The flowing of the Menfes, or any Hemorrhage, a Diarrheay,
Alticeffes about the Ears, or other Parts, are alfo good Prog-

The Medicines prescribed are mostly the fame that obtain a Affamatick and Pleuritick Cases,

The Word is form'd from the Greek est about, and estal PERSPNEUMONIA Noths or Sparis is a Diffeate of the Lungs, ariting from a heavy pituitous Matter generated throughout the whole Mass of Blood, and discharged upon

the Lungs.

"Tis known by the Vifcidity, Paleness, and Slowness of the Blood, Ropiness of the Saliva, Paleness and Want of Scent of the Urine, Swellings and Obstructions in the minuter Vessels, che Uline, Swellings and Obiringthous in the minnere Velfeit, here Breath, Orgention in the Thorax, Ge's wom out, phigo-matic, cold, plabilised, startfrons, Confittutions, are most lighten in: It elegans with a Pechenic, Indoluces, Weiser, Jack and Configuration of the Configuration of the Configura-tion of the Configuration of the Configuration of the Death Helfe, which any Proposite Getter of singer to Death Helfe, which any Proposite Getter of the Cher, Palic, Ed., It is created by Blood-letting, Opflent, shin Diet, Dillering, Ablivergers and Aparticas. PERINTERR, in the anised Architecture, a Building Fernancial Action of the 31 transact.

excompatid without side by a Section of inflatiated Columns, forming a kind of lies at around.

Such were the Zilling-lies at a Section of Sect

For the Difference between Periptere and Periftyle, ERISTYLE

The Word is form'd of the Greek wapi, circum, about and

The Word is normal of the Ories with, ceresson, about along articly, Mar. Wings.

PERISCII, in Geography, those Inhabitants of the Earth, whole Shadows do, in one and the fame Day, seccessively turn to all the Points of the Horizon. See Shadow. Such are the Inhabitants of the frozen Zones, or those who live within the compass of the Arctic and Antarctic Circles for, as the Sun never goes down to them after he is once up, but always round about, fo do their Shadows; in fo much, that in the fame Day they have their Shadows on all Sides.

See ZONE . And hence the Name, from the Greek escussion, Circums

PERISKYTISM, in Chirurgery, an Operation perform'd by the Ancients on the Cranium. See CRASTUM. The Periskyting is an Incidion which they made under the Coronal Suture, reaching from one Temple a croft to the other, and penetrating to the Boson of the Cranium; its Insection was to Separate the Pericanium from the Skull. See

PHRICRANIUM.

The Word is form'd from the Greek wip and swire or the PERISSACHOREGIA, a Term found in the Code about the Meaning whereof Authors are much divided.

Alciar, and fome others will have it to be the Name of an Office viz. that of Curator of the Annous or Provisions; from melessus Abundance and xessystes to bring. Others take it to be the Office of a Magistrate who was to look to the Augmentation of the Annota, and the Diffribution of the

Dom. Macri will have it to fignify a Donative or Diffribu-tion made to the Soldiers over and above their Pay. See

DONATIVE. DONATIVE.

PERISTALTIC, in Medicine, a Motion proper to the Intellines, wherein the feveral Parts are focceffively contracted from above downwards, in a manner efembling the crapping of a Worm, whence it is also call'd the Vernatualar Advisory. See INTESTINES.

100. See INTESTINE. The Perification Motion is perform'd by the Contraction of the circular and longitudinal Fibres, whereof the field's Court of the Intestines is composed. This by Means hereof, that the Chyle is driven into the Orifices of the Intesting and and the Excrements prefixly downwards, and at last expell'd. See CHYLE and EXCREMENT

When this Motion comes to be deprayed, and its Direction

When this Motion comes to be departed, and its Direction changed, for also proceed from before sported, jury choices, being client process where we call the line 'Pelline. See Liaza' Pelline. Perplication of the properties of the process of the proc

The Word is form'd from the Greek were taxe ; and literally

plies fornething fent all a-round.

DERISTAPHILINUS, in Anatomy, a Name fome give

o the Mufcle of the Uvula, more properly denominated Prory-off as brightes. See Uvula and Pterygosyaruminanus. goffspikulum. See Uvru. and PYERYGOVYAPHIENUM PERISITULE, in the ancient Architecture, of Place, or Building, incompated with a Row of Columns on the Indies by which it is diffinguish? I onto the Propriese, where the Columns are disposed without-fide. See PRAIPTERS. Such was the Hypette Temple of Pirrovings and fush are now some Busiliques in Roms, feveral Palaces in Indies, and ont Codifica of Religious.

moit Claitters or Kengous.

Yet, the Word Perifyle is fill used indifferently for a
Range of Columns, either within or without a Building: As
the Cortathian Perifyle of the Portail of the Lowere, Ec.

The Word is form of from the Greek step about and subset,

PERISTSTOLE, in Medicine, the Paule or Interval be-tween the two Motions of the Heart, or Pulle; who, that of the Syftole or Contraction, and that of the Distrole or Dila-tation. See Systems and Disservals. See also Press and

PERITONÆUM, in Anatomy, a thin, foft Membrane, covering and containing all the Vifeera of the lower Belly.

See VISCERA and ABDOMEN. Its Figure and Size answer to those of the lower Belly,

which it lines throughout; its internal Surface is fraooth, and lin'd with an uncluous Humour, ferving to prevent and in distributions, and other Parts it tonches, as well as to lubricate and facilitate their Motion; when the Glands which furnish it are obstructed, the Perisonneum grows thick, as its frequently found in Dropfics.

gows thick, at 'bi frequenty found in Diogles.

The external bridge is threat and unsequal, mea. Limburgh and Limburgh and Limburgh and Limburgh and Limburgh and Limburgh and Limburgh. The Limburgh and Limburgh an

nefs in both, but from to receive the Kidnies. It is perforated in the upper Part to give Paffage to the Cofephagea, Aorta and Cava i in the under, for the Fundament, the Neck of the Matrix, and the Veffeis that go to the Thigha; and in the Fore-part to give Paffage to the Umblical Veffeis.

Its exterior Coat has two Processes; which in Men fall down

The exterior cost may now because which in ficia is it down into the Scremm, wrap up the Spermark veffels, and diar-ing make the Tunica Vaginalis of the Tefficles; in Women they form a Cover for the round Ligament of the Womb. The Peritonsists receives Vetos and Arrives from the Mammaria, Diaphragmartee, Epigalfrica, Saera, and Lumbares: Nerves from the Os Sacrum and Loins. Oh. Russivekins pretends to have likewife difcover'd Lymphaticks, which be-ing fearce visible, except in Hydropic Cafes, an't much taken

notice of.

notice of. In morbid Cafes, great Quantities of Serum have been found between the Duplicatures of this Membrane, when there was none in the Cavity of the Abdomen; which conflicted the true Typspary. See Transaw.

The Use of the Perironeum is to contain, and keep in their Place the Viscera of the Abdomen: This is fo manifelt,

their Piace the Vitcers of the Addoment: I has is to manifely, that when ever this Membrane happens to be broke, or ex-traordinarily dilated, fome of the Parts are apt to fail down, and to form those Tumors call'd Hernia's or Rupsures. See

Verb verrifue circumtando, I firetch all a-round. PERITROCHIUM, in Mechanicka, a Wheel or Circle, as A B, (Tab. Mechanicks, Fig. 44.) concentric with the Bafe of a Cylinder, and moveshie together with it, about an Axis E F.

The Axis, with the Wheel, and Levers fix'd therein to ore it, make that mechanical Power, call'd Axis in Peri-

more it, make that mechanical Power, call'd Asit in Parti-rolls. See Javin in Partura Com-trolls. See Javin in Partura Com-trolls. See Javin in Partura Com-trolls. See Javin in Parturo Com-trolls. See Javin in See Javin in See Javin in Javin In-Justical College See Javin India. See Javin India. See Javin India. Javin Lohi, Javin India. See Javin India. See Javin India. Javin Lohi, Javin India. See Javin India. See Javin India. See Javin India. Javin India. See Javin India Sec OATH.

If a Man call me parjur'd, I have my Action upon the Cafe. If he calls me forefourn no Action lies, because the Forswearing may be extra-judicial.

Perjary is utually excepted out of general Acts of Grace.
The Funifument of Perjary is Collifergium, the Pillory,
burning the Criminal in the Forehead with a P, rooting

up his Trees, and confifcating his Goods. See PILLORY, &c

PER MEABLE, denotes a Body confider'd as its Por capable of letting formewhat pair thro'em. See Pons.

PER MINIMA, in Medicine, denotes a perfect Mixture
of the fmallest Particles of feveral Bodies, or Ingredients. See

MINTERE and MINIMA.

PERMUTATION, the Truck, or Exchange of one
Thing for another. See EXCHANGE.

The Commerce of the Ancients, was perform'd wholly by way of Permutation. See Commerce.

Permutation, in the Canon Law, a real and active Ex-

Elections who Beneficies belongs, give their Confern, or in Calcroft their Neidin, but the Control on the Election of the Confern behavior, and the Confern behavior to the Discrole behavior. Compensation cause on joy, he re-enters with full right-in-to the Benefice behavior and their behavior of the Confernment who has accomplished, emine both Benefices, which they fall most better behavior of the Confernment who has accomplished, remine both Benefices, which they fall most been Regular, but the Confernment who has accomplished, remine both Benefices, which they fall most been Regular, but the Confernment of Enrique to this section of the Confernment of the Confernment

FERNIO, in Modeline, a Difficile utilizing one transit and feet in Wisser time, proposity and its Active or Ediblicat and Feet in Wisser and Active or Children.

The Farn affected feed, inclining from a white to a bine-fit Colony, that and also yet, the "Immore variables without Form of the Colony and the Proper Person of the Property of the Proper

he Ous-fiel of the O. Measural of the line! Tee: In Office is no pull to Four on your Khetzeric, the Epilopor, or this part of the Order of the Control of the Period of the Part of an Oration, wherein, what the Orator had infifted on the 'bit wheel of Different's any dis-ferfle, with greater Vehenances and Pallonn Thus Resemblers. See On-Arrone. In the Sublines of what is diffired throughens the whole Speech, it collected burdly, and careforly; and fermed up and the Tee Control of the Period Control of the Period part of the Period Control of the Period Control of the the Period of the Period Control of the P

des agrettume. See "Assistats.

The Pattiens to be raited in the \*Pervertien\* are various, according to the various Kinds of Oratices: In a Panegyric, Love, Admiration, Emulation, Joy, &c. In an Invective, Harred, Contempt, &c. In a Deliberation, Hope, Confidence or Fear.

dence or Feer.

The Qualities required in the Pervisation are, that it be rehement and pufficiates, and that it be floor: Beccure, as Cerro obferves, Tean fron dry up.

The Pervisation was Gerro's Mafter-piece: Here that great Posses not could be the large and Andirors on Fire, but even feem'd to bourn himself; effectably when he was to talk play and Commissional the country and the property and Commissional to a country when the was to talk play and Commissional to the country when the was to talk play and Commissional to the country when the was to talk the country when the was to take the country when the was to take the country when the was the w imfelf tells us, he frequently fill'd the Forum with Weeping

(790)

1 L. L.

wee are and Lamentation. He adds, that where there were feveral from the fame. Perfon, the Percentile of the control of the c Orators to fpeak for the fame Person, the Percention was always referred to Cicero; and subjours, that if he excelled always referr'd to Cierre, and fabjonas, that if he excelled hences, towars to wing to Genia, but to the Grief he him-led flow'd. This is abundantly evident in his Milonian Pre-tains the second of the company of the Company of the Long-ton in the Company of the far Long-rank stem per the Long-ton in the Company of the far Long-rank stem per second in the company of the Compa

carus min, es me delor accinitati, includatione weccus, PERPENDICULAR, in Geometry, a Line falling di-rectly on another Line, or fo as to make equal Angles on each Side 5 call'd alfo a normal Line. See Line. Thus the Line I G. (Tab. Geometry Fig. 57.) is Perfendi-cular to the Line K. H. i. e. makes right and equal Angles

therewith: therewin: From the very Notion of Perfendiculars, it follows;

1. That the Perfendicularity is mutual, i. e. if a Line as IG be Perfendicular to another, AB; that other, is also

Perpendicular to the first.

2. That only one Perpendicular can be drawn from one coint in the fame Place. That if a Perpendicular be continued thro' the Line it was drawn Perpendicularly to; the Continuation will also

was drawn Perpensionary to the Continuation will also be Perpensionary to the fam.

4. That if there be two Points of a right Line, each of which is at an equal Diffance from two Points of another right Line, that Line is Perpensionar to the other.

5. That a Line which is Perpensionar to another, is also Perpensionar to all the Parallels of the other. See Pa.

6. That a Perpendicular Line is the fhortest of all those which can be drawn from the same Point to the same right

Hence the Distance of a Point from a Line, is a right Line

Hence the Diltimee of a Fuciar town a Line, is a right Line drawn from the Point-Per-presentate to the Line or Pines; and drawn from the Point-Per-presentate to the Line or Pines; and the Vernex to the Bair. See Diava Sea. Y and Y is ord; Y is Y in Y

greater by half than K II strike two Arches interfecting in I<sub>3</sub> the right Line G I is Perpendicular to M. I.

— Perpendiculars are best described in Practice by means of a Square3 one of whost Legs is applied along that Line to, or from which the Perpendicular is to be let fall or raised. See

or from which the Proposition is no be let fill or mird, See System 1, which the Proposition on the lead of a given Lim,  $\beta_{\rm pop}$  of a 18° years your Coloquide to any conventes Dilutes, and dening one Found in G. deficible that  $R, R, P, S_1$  is an additional of the control of the section of the secti

telling and once noon as 1; then my a source room at required.

Bear A. Lederick three has the Vergenstander Perspective of the Control of th

A common Eye looks on this Affectation wither

A Common Eye looks on this Affichation without any Sur-prise but a Man that knows what a Plant is, and how formly, finds it a Subject of Afficially man and the subject of afficially formal, in effect, onto Seed contains a little Plant, already formly, and needing nothing best to be unfolded: The little Plant has its little Roco; and the Pality, which is mically feparated into two Lobes, is the Foundation of the fift Food the Plantule draws, by its Root, when it begins to germinate. See Surp.

RADICIE, &C.
Now, if a Seed in the Earth, be fo difposed, as that the

Root of the little Plant be turn'd downwards, and the Stem follow the fame Direction; and as all together form the Stalk; upwards, and even \*\*Perpendicularly\*\* upwards; 'tis eafly to conceive that the little Plant coming to unfold itfelf, 'its Stalk and Root need only follow the Direction they have, to grow and Root need only follow the Direction they have, to grow Pergensicalizely. But 'tis known the Seeds of Plants whe-ther fown of themfelves, or by the Help of Man, fall in the Ground at random; and among an infinite Number of Situa-tions with regard to the Stalk of their Plant, the Perpendica-

tions with regard to the Salk of their Plant, the Perpendicular on expression bluston Gs. See Santha 710%.

In all the reit therefore, this accellary the Sault refresh or the Sa

mount on high. mount on tight.

M. Diddert, therefore, to account for two fuch different Actions; has recourse to another System: He supposes that the Fibres of the Stalks are of such a Nature, as that they contract and shorten by the Heat of the Sun, and leagthen out by the Moisture of the Earth: And on the contrary, that the Fibres of the Roots contract by the Moitfure of the Earth,

the Fibres of the Roots control by the Meditare of the Earth, and longine by the Hear of the Sant, and the Root a-Tup, the Fibres which compute one of the Himsches of the Root are Tup, the Fibres which compute one of the Himsches of the Root are not equally expedied to the Meditare of the Earth; the lower Part is more expedied than the Upper. The Lower personnel by the Earth; the Roots of the Himsches of the Part is more expedied than the Upper, wherean the San acids with the greatest Poten. Of Confequence, therefore, the Branch of the Root multi-recoil towards the Earth, and infanating thro' the Peres thereof get underneath the Bulb Sa By inverting this reasoning, 'tis easy to show how the Stalk

By intring mounts of the properties of the Root to Hold and the Root to Held and that the San contributes to its Defeot's and on the contrary, that the Sun attracts the Stem, and the Earth, in fone meature, tends it towards the fame. As to the fecond Streightning, vis. that of the Stalks in the open Air; he takes it to artic from the Imprefilion of ex-ternal Caules, particularly the Sun and Rain. For the up-

pends, is fill a Mystery.

M. de is Hire Accounts for the Perpendicularity of the Stems or Stalks of Plants thus: He imagines that in Plants, the Root draws a coarfer and heavier Juice; and the Stem and its Branches a finer and more volatile one. And, in efand its stationers a internation would not as the Stomach of the Plant, where the Juices of the Earth are fubbliled, fo as to become able to rule the or Stationers. This Difference of Juices (ipposits larger Pores in the Roost than the Statis, £5% and in a Word, a different in the Roost than the Statis, £5% and in a Word, a different properties of the Statistics of the Contexture; which Difference must be found even in the lit-tle invitible Plant inclosed in the Seed: In this Plantule, tte invitate Plant inclofed in the Seed: In this Plantale, therefore, we may conceive a point of Separation 5 fach, as that all on one Side Z. gr. the Root, thail be unfolded by the groffer Jukes, and all on the other Side by the more fubrile Jukes.

Juces.

Juces and the planets when it has been to middle, so when the planets of the Rose a Top, and the solid below the planets which me and the Rose will full be coarfed, and when they have opened and calcing die of been, for an admit Juces of a determinant Weight, their Juces full ingeling the Rose more and more, will crite i downwards, after the Rose was a supplied to the planets of the Rose for the R the Lever, will give it more and more every Day. Thus is the little Plant turn'd on its fix'd Point of Separation ; till it

be perfectly creck. The Plant thus

Les puriés y exit.

The Plant thus credited; the Stalk, we know, flord't continue to nife. Performination, to give it the more firm Biding
and easile it to withinted the Elifon of Wall and Wenties,
and easile it to withinted the Elifon of Wall and Wenties
dense that a proposed of the Continue to the Earsemay of a nifing Stalk; afti evapours, in Weight of the Air
which econografies it co all Stales, will make it aftend veriawhich econografies it co all Stales, will make it aftend veriawhich econografies it co all Stales, will make it aftend veriafied to the Extremity whence it as mostly, and off the
Weight of the Air will give it the finne Direction: so that
the Stalk will have acquird a very little one Para, vertically,
the Bidding that it is not Candid held stay how obliquely to
the Horizon, the Is in a Candid held stay how obliquely to
the Horizon. The cost Dropt of Jose that freezed, will
the Aurole, the Les one Dropt of Jose that freezed, will
the Aurole, the cost Dropt of Jose that freezed, will
the Aurole, the cost Dropt of Jose that freezed, will
the Aurole, the cost Dropt of Jose that freezed, will
the Aurole, the cost Dropt of Jose that freezed, will
the Aurole, the cost Dropt of Jose that freezed, will
the Aurole, the cost Dropt of Jose that freezed, will
the Cost of the Aurole of the cost of the Aurole o of the Atmosphere. The new Drops of Juice that fucceed, will

that must of course be Vertical, unless some particular Cit amítance intérvene.

cumilizace instrevene.

As to the Branches, which are at first fupposed to proceed laterally out of the Stalk in the first Embryo of the Plant y the first flower development in a horizontal Direction, you must they raife emselves upwards by the continue Direction of the nutritions place; which at first feature meet any Reference in a tender, supple Branch; and even afterwards, but he Branch and more afterwards, but he Branch and more afterwards. filtance in a tender, tuppue Eminici 3 and even alterwards, tho the Branch grow more firm, yet will it act with the more Advantage: fince the Branch being become longer, tunnilhes it with a longer firm of a Lever. The flender Action of a little Drop becomes very confiderable, by its Confinity; and by the Affiliance of fuch favorable Circumfunces. Hence may be accounted for, that regular Situation and Direction of the Branches, which all, and always, nearly, make the fame conftant Angle of 45° with the Stem and one another. See

BAANER, M. djörne, accounts for the Perspendienderity of the Serias, and their Rederiting themselves; on these two Principes; and their Rederiting themselves; or the series of the Perspendient of the Perspe

by this Means, infinuate more into the Canals comtherewith, and be collected more copioutly therein; thus the Parts on the lower Side will receive more Accretion, and be more nouriffi'd than those on the upper; the Consequences where-of must be, that the Extremity of the Plant will be oblig'd to bend upwards.

to Bend upwares.

The fame Principle brings the Seed into its due Situa-tion at first: In a Bean planted upside down, the Planne and Radicle are easily perceived with the naked Eye, to shoot, at first, directly for about an loch; but thesee forth they begin to bend, the one downward, and the other upward. The like is feen in a heap of Barley, to be made into Malt; in a Quantity of Acores, laid to front in a moil Place, &c. each Grain of Barley in the first Cafe, and each Acorn in the fecond, has a different Situation; and yet, all the Sprouts tend cond, has a different Strauttop and yet, all the Sprouts tend directly upward, and the Roose doweward, and the Curvity or Bend they make is greater or lefs us their Situation ap-proaches more or lefs to the direction wherein an Curvature at all word be occediary. Now, two fish opposite Motions canno arife without tupposing form confidential Difference between the two Parts. The only one we know of, is, that the Plume is fed by a Juice, imported to it by Tubes parallel to its Sides, whereas the Radicie imbibes its Nourifliment at all the Pores in its Surface. As off, therefore, as the Plume is either parallel, or inclined to the Horizon, the autricious Juice either parallel, or incini'd to the Horizon, the courtiests place feeding the lower Parts more than the upper, will descrime in extreme to run upward, for the Renfors already silliged, the the cuttients place penetrating made as in the like Ginzation, the cuttients place penetrating made as in the like Ginzation, Fart than the under 5 there will be a greater Accretion of the former, this the latter and coolingenarity the Raddels will be best downwards. And this mutual Gastriy of the Planas with the constant of the contraction of the properties of the smallel silling the properties of the properties of the properties of the smallel silling the properties of the properties of the properties of the smallel silling the properties of the properties of the properties of the smallel silling the properties of the prope and Radicle muit continue, till fach I lime as their Sutes are nourified alike, which cannot be till they are Persendicular. Memoirs de Acad. Regate des Gien. An. 1788.

PERPETUAL, fomething that endures always, that hits for ever. See Expansive.

The Term is fometimes also used for a Thing that laste,

holds, during a Perfon's Life. or holds, during a Pertion's Lite.

Thus Offices, &c. held duratur vits, are fometimes call'd
Perfectual Offices: In this Scofe M. Fourenolle is faid to be
Perfectual Secretary of the Royal Academy of Sciences.

Hence the French call him absolutely M. le Perfectual.

Hence the Prosto call him absolutely M. le Perpetual.

PERPETUAL Motion, in Mechanicks, is a Motion which
is supplied and renew'd from itself, without the Intervention of any external Cause; or it is an uninterrupted Communication of the same Degree of Motion from one Part of Matolication of the tame Degree or Motion from one part on sus-ter to another, i. a Circle, (or other Curre returning) and it-felt) fo as the fame Momentum fill returns perpetually undi-ministical upon the first mover. See Morrow. To find a perpetual Motion, or to confired an Engine, of the Motion, is a famous Problem that has employed the Maximusticians of two choolined Kenn-pher and the Maximusticians of the Confired Carry.

that has employ of the Indexendential set we thousand Xears at the once perhaps have profesured it with Attention and Earnethnet equal to those of the perfect Age. Infinite are the Schemes, Delipos, Plans, Englises, Wheels, US. to which this long'd for Poperand Month on has given Birth ! Tweera sendled as imperincent to give a Detail of

Nor does any of 'em de ferve particular Mention, fince they bave all equally provid Abortive. It would rather be of the Nature of an African than a Complement, to dittinguish the Pretenders hereto, when the very Thing they are commemo-rated for, cartes with it fo diffagreable an Idea.

In effect, there feems but little in Nature to countenance all this Affidairy and Expectation: Among all the Laws of Mauter and Motion, we Know of none yet, which feems to lay any Principle or Foundation for fuch an Effect. See Na-

Action and Re-action are allow'd to be ever equal; and a Body which gives any Quantity of Motion to another, lofes juff to much of its own: But under the present State of Things; the Refullance of the Air, the Friction of the Parts

of Machines, &a do necessarily recard every Motion. See RESTRICT

To keep the Motion on foot, therefore, I. Either there must be a Supply from fome foreign Canfe; which in a perpenual Motion is excluded.

Ot, 1° all Refillance from the Friction of the Parts of Matter, mult be removed; which implies a Change in the Nature of Things. See MATTER.

For by the fecond Law of Nature, the Changes made in

For by the tecond Law or Nature, the Changes made in the Motions of Bodies, are always proportional to the im-prefield moving Force, and are produced in the fame Direction with it; no Motion, then, can be communicated to any En-gine, greater than that of the first Force imprefs'd. See Cost-

MUNICATION and PERCUSSION

But, on our Earth, all Motion is perform'd in a refifting Fluid; and must therefore of necessity be retarded; confe-quently a considerable Quantity of its Motion will be spent on the Modium. See MEDIUM.

the Medium. See Mil D10M.
Nor is there any Engine of Machine wherein all Friction
can be avoided there being in Nature no finch Thing as exact
Smoothned, or pericle Congruity: The Manner of the Cohedion of the Parts of Bodies, the finall Proportion the folial
Matter bears to the Vaculies between them, and the Nature
of those conditional Particles not admitting it. See Faircross.

or mote continuent Particles nor admitting it. See Fairerrost. This Fridien, therefore, will all foi Time feetfoly diminifi sche impetffed, or communicated Force; for that a perpetual Motion can never follow, under the communicated Force be for much greater than the generating Force, as to recompende the Diminution made therein by all thefe Canfest but mit dat quant much date, the generating Force cannot communicate as

greater Degree of Motion than it hath itself.

The whole Business of finding a perpenual Motion, therefore, comes to this, viz. to make a Weight heavier than itself,

fore, comes to this, crea, to make a Weight hewere than tited, or an claffic Fore preser than itself. See Maching sings [a Graft See Maching and the service of the service

for what is gain'd in Force is fill loft in Time, fo that

the Quantity of Motion ftill remains the fame.

All Mechanicks cannot really make a little Force equal All Mechanicks cannor really make a lintle Force equal, or fugnerie to a larger and wherever a field Force is freshed in Emiliative with a larger or, as Founds with root, that a Kind Emiliative with a larger or, as Founds with root, that a Kind Lemiliative with a larger or, as Founds with root, that a Kind Lemiliative which is the second to Pomedia or the second to Pomedia or the second to Pomedia or the moving, or difficult to move four times as full at the 100. To condider the Weights root and a satired, and immoreable, these of the Sham mittendess of Mechanicks, that has whether the second to the second time of the Sham mittendess of Mechanicks, that has the second time of the second t

Millions; but which is easily diffipated by confidering the four Degrees of Velocity, which are to be given to the 25 Pounds, and which require a Force equal to the Excess of 100 above

2) FORMER.
A Force of 10 Pounds moved with ten times the Velocity of the 100 Pounds, word have equal'd 'em in the like Manner; and the fame may be failed of all the politile Production could be 100. But in fine, there mutil filli be 100 Pounds of Force on each follow hard way fover they be taken; whether her the pounds of the in the Matter, or in the Velocity.

This is an inviolable Law of Nature; by which nothing is left to Art, but the Choice of the feveral Combinations that

PERPETUITY, in the Canon Law, the Quality of a Benefice that is irrevocable, or whose incombent cannot be deurived a except in certain Cases determin'd by Law. See

BENEFICE. Tis afferted with Reason, that the Perfetuity of Benefi-"Tis afterred with Reation, that the Perfetuity of Benefi-ces is etablished by the ancient Casons, and that the Priefit are infeptrably attach'd to their Churches, as by a fpiritual Martiage. "Its true, by the Corruption of the Times, the feetalar Priefit being fallen into great differder, and even Contempt; the Biffnops authentity call'd the Religious to their Affiliance, and committed to them the Cure of Sonls, and the Administration of Parishes; still remanding 'em back again to their Cloisters, when they thought sit, and revoking

But this vague and uncertain Administration only lasted to the XII Century, when Benefices return'd to their effential

PERQUISITE, any Thing gotten by a Man's own In-dustry, or purchafed with his own Money; in contradif-tinction to that which defeends to him from his Father, or Ancestors. PERQUISITES of Court are those Profits which arise to a

PRAGUESTIVE of Court are those Profits which arife to a Lord of a Mannor, by Virtue of his Court-Earon, over and above the certain yearly Profits of his Land; as Fines of Copy-holds, Hardrost, Americannent, Waifes, Strays, CS.
FER, QUÆ förenfa, is a Witt judicksl, fifting from the Note of a Fine, and lies for the Coppines of a Manor, Scignory, chief Rent, or other Services, to compel him that 22 Tenant of the Land at the Union of the Note of the Fine Isto attorn to him.

vied, to attorn to him.

FERRON, in Architecture, a Stair-Cafe lying open, or without fide the Buildings properly, the Steps in the Front of a Building, which lead into the fift Story when naid a little above the Level of the Ground. See Stair-Cass. Perrors are made of different Forms and Sixes, with regard to the Space and Height they are to lead to. Sometiment but 68rep are round, or Ovaly more study.

Square.

PERRUKE, was anciently used for a long Head of natural Hair, fach, particularly, as here was care taken in chadjusting and Trimming of. The Latins call'd it. Comes, where part of Garl took the Denomination of Gastine Comeras, from the long Hair which the Natives were as a Sign of Freedom. Sec HAIR.

An ancient Author fays, that Abfolous's Perruke weigh'd 200 Shekels.

PERRUEE, is now used for a Set of false, or borrow'd Hair, cuti'd, buckled, and few'd together on a Frame or Cawle anciently call'd a felfe P Menage derives the Word from the Greek swillral which

fignifies the fame Thing. againes the same Thing.

This doubted whether or no the Ufe of Parroller was known among the Ancients. This true, they utde faile Hair; Mirratia and Juvendar lanks merry with the Women of their Time, for making 'emfetives look young with their borrow'd Hair; with the Kain who chang'd their Colona scoreding to the Seafons; and the Desards who hoped to decrive the Beffittle by their white Hair.

But these form to have scarce had any Thing in common ith our Perroker; and were at best composed of Hair with our Pervaker; and were at bett composed of Hair penited, and glud degether. Nothing can be more ridicalous than the Defeription Lamprichus gives of the Emperor Com-mondry Pervaker. Twas powder'd with feraphings of Gold, and oil'd (if we may ule the Expredition) with glutinous Per-fumes for the Powder to hang by, in effect, the ule of "Pervaker, at leaft on their prefeat

footing, is not an hundred Years old: The Year 1629 is reckon'd the Epocha of long Perruker; at which time they began to appear in Paris; whence they spread by degrees throughout the reft of Europe.

tegan on appear in 2001; a better the type of the degree Art first it was report a Scendial for young People to we trap by residue the Lofe of the Edit as at the Age was artibleted length the Most permitted by the Age was artibleted length the Mode permitted even the Scraples and now all Ages and Comilions were free, in feregoing, without any Ne-Trus formitted, the Mode Permitted was the Scraples and now all Ages and Comilions were free, in feregoing, without any Ne-Trus formitted the permitted on the Permitted Comilion of the Age of

ERRY, a Drink made of Pears, after the like manner

PERKY, a Drikk made of Years, aree the like manner so Cyder from Apples.

The best Prui for this Ule are fish as are least fit for east-ing ¿E. gr. the Borberny-Peag, Horfe-Peag, Borchaed-Peag, and Choak-Peag and fill the redder they are the better.

The Method of reparing Peryi is perfectly the fine with that of preparing Cyder. See CYDEN. Only Note, that the Pruit mult be perfectly ripe. Some mix Cabb with êm to

end the Liquor

PER SE, in the Schools, is formetimes opposed to fer as-cidens; in which Scule a Thing is said to agree with ano-ther Per se, when the Agreement is not owing to any accidental Event, but that is found in the intrinsic Principles of the Things themselves.

PER Sometimes PPP = P is reproficil to  $PPP = Black_1$  in which Senford and the state is large  $PPP_1 = P$  in the state of Coal state is table to have a listing  $PPP_1 = P$  in the state of ger pr. natus, want we mindlandy perceive it was definit propring of the Terms: As that the Whole is greater
in the Philosophers of the Terms: As the Whole is greater
in the Philosophers of the Terms: As the Confidence of a Thing calling Free, for atta which confidence in Extincts
fash; which they call Freeling, Perplina. See ENLYENCE.
Thing calling Free, for atta which confidence in Extincts
fash; which they call Freeling Freeling. See ENLYENCE.
They allicitude in Encouratione, which a Perfon disgonily initially on another.
The Association of the Confidence of the Confidence
of Contrilians, in Selbell of their Residence, Perce Joseph Freeling Free the Ecd.

The final Perfeverance of the Saints is an Article much controverted between the Aminimists and Calsimifts; The latter of whom maintain it impossible for Gazee to be loft, and therefore make Perfeverance to the End, a necessary Conference thereof; which the former deny; believing the most construid Believers never out of a Posithility of falling Sec GRACE PERSEUS, in Aftro ern Hemisphere. See C The Stars in this Co are 19; in Tycho's as m The Longitudes, Latitu as follow : Stars in the Names and Situations the Ster In Audremeda's Foot, ac 10 Prolomy and Tyris; acc In the Middle of the Swo South in the Hilt of the Swo North, Small one under the Hand North of the Informes b To the preceed. Shoulder (day

| nomy, a l<br>Constitution            | Confb<br>ATI   | on.           | tion<br>toles | of                   | the      | N   | orth-    |   |
|--------------------------------------|----------------|---------------|---------------|----------------------|----------|-----|----------|---|
| onsiellatio<br>any; in t<br>ides; Ma | he Bi<br>gnitu | los,          | en<br>E       | Cs                   | he       | gu  | c 67.    |   |
| Constella                            | tion ]         | PE            | R S           | εv                   | s.       |     |          |   |
| of                                   | Di.            |               |               |                      | ino.     | h.  | Magn     |   |
| Contine 2                            | કં'            |               |               | 100                  | 23       | #   | 1 7      |   |
| ording ?                             | ٠,             | 0 1           | 13            | 36<br>40<br>56<br>34 | 49       | 13  | 13       |   |
| in Perfect.                          | - 1            | 4 19          | 14            | 40                   | 13       | 15  | 6        |   |
| rd                                   | 3              | 1 5           | 02            | \$6                  | 18       | 37  | 6        |   |
|                                      | 1              | 1 01          | 56            | 34                   | 26       | 01  | 6 7      |   |
|                                      |                | 5 39          | 10            | 38                   | 57       | 37  | 6        |   |
|                                      | 1              | 9 01          | 06            | 41                   | 13       | 15  | 6        |   |
| rd against                           | 1              | 5 4 5<br>9 50 | 38            | 35                   | 09<br>43 | 28  | 5 6      |   |
| the Hand                             | 1              | 0 11          | 34            | 41                   | 03       | 30  | 6        |   |
|                                      |                | 0.44          | 42            | 38<br>19<br>37       | 57       | 41  | 6        |   |
|                                      | 2              | 0 15          | 23            | 119                  | 18       | 49  | 7        |   |
|                                      | 1              | 2 47          | 39            | 37                   | 06       | 23  | 7        |   |
| efare Me-                            | 1              | 6 32          | 1.13          | 33                   | 13       | 10  | 6        |   |
| yω's Head                            |                |               |               | 1                    |          |     | +        |   |
| /a's Head                            | 1              | 8 2 5         | 56            | 26                   | 57       | 26  | 6        |   |
| tiore Ate-                           | 2              | 4 23<br>7 25  | 27            | 37                   | 20       | 50  | *        |   |
| Medufa's                             | - 1            | 6 10          |               | 120                  | 46       | l   | 6 5      | ľ |
| [Head                                |                | 3 3 5         |               | 34                   | 20       | 12  | 5        |   |
| Meda/a's                             |                | 80.3          | 00            | 20                   | às       | 41  | 6        | j |
| (Head                                | - 1            | 5 51          | 00            | 20<br>14<br>21       | 24       | 47  | 5 6      | 1 |
|                                      | 11             | 34            | 36            | 21                   | 42       | 15  | 4        | , |
| a's Head                             | 11             | 13            | 28            | 17                   | 24       | 46  | 6        |   |
|                                      |                |               |               |                      |          | - 1 | 3        | J |
| ma                                   | 23             | 10            | 38            | 37                   | 27       | 62  | 56       | 1 |
| Altol .                              | 24             | 34            | 30            | 20                   | 33       | 13  | 4        | i |
| ad ad                                | 34             | 1 50          | 70            | 30                   | 38       | 35  | .4.      | i |
| 172                                  | 2              | 21            | 11            | 2.6                  | 04       | 2.2 | 2 3<br>4 | 1 |
|                                      | 3.0            | 10            | 18            | 20                   | 55       | 56  | 4 5      | 1 |
|                                      | 24             | 5 52          | 43            | 30<br>24<br>30<br>23 | 43       | 10  | 6 7      | 6 |
|                                      | 2.             | 3.8           | 42            | 24                   | 49       | FX  | 6        | 1 |
| ath, Side                            | 24             | 39            | 54            | 30                   | 55 4     | 12  | , 6      |   |
|                                      |                |               |               |                      |          |     |          | ł |
| d Part                               | 27             | 46            | 04            | 30<br>19<br>18<br>26 | 95 :     | 10  | 6        | 8 |
| ied Part                             | 21             | 17            | 42            | 18                   | 00 :     | 24  | 5        | - |
|                                      | 2.5            | 103           | 14            | 26                   | 03       | 51  | 6        |   |
|                                      | 24             | 26            | 13            | 27                   | 56 1     | 25  | 5        | 8 |
| ainft the<br>[Hip                    | II o           | 19            | 07            | 27                   | 15       | 31  | 3        | 1 |
|                                      |                |               |               |                      |          |     |          |   |

In the upper Arm South, of the Informes b Preced, of Inform, under In Perfess's Head

25 In the upper Part of the Ar South, in Madaja's Head In the Middle of the Back

Bright one in In the lower Part of the Art That under d'gel Against the Preceed, and So A Lucid one against the hin Proced, the Lucida of the h Middle of three io the Side Another following thefe ag

Subseq. and less, before Proced. in Medaja's Head Laft of Inform. and, Meda, In the hind Shoulder

| 5 /                    | I E                 | I/      |        |                     |     |
|------------------------|---------------------|---------|--------|---------------------|-----|
| Names and 3<br>the 8s  | icuation of<br>ars. | 66,     |        | Latitude,<br>North, |     |
| yer the Heel of th     | e inner Foot        | 75 24   | 41 20  | 13 53 18            |     |
| the lower Thigh        |                     | 19      | 10 16  | 11 07 03            | 1 4 |
| the Heel of the S      | outh, Foot          | 2.0     | 49 11  | 12 08 36            | 3   |
| the Heel of the f      | ame Foot            | 3.2     | 05 52  | 12 40 PE            | ľ6  |
| the upper Thigh        |                     | TI 1    | 54 03  | 126 20 10           | - 4 |
|                        |                     | 3       | 46 10  | 10 22 04            |     |
| extrem, of South,      | Foot                | Q 18    | 47 44  | 111 17 14           | - ; |
| South Knee             |                     | II I    | 21 25  | 19 04 61            | 1 0 |
| South Leg              | 50                  | 0       | 39 15  | 14 54 06            | 1 3 |
| eced. against Nor      | th Knee             | 5       | 26 24  | 25 51 00            | ١,  |
| eced in the upper      | Leg                 | •       | 10 14  | 26 19 08            | 1.  |
|                        |                     | - 2     | 16 50  | 16 16 17            | 16  |
|                        |                     | 3       | 03 45  | 16 AA 18            | 6   |
| bfeq. in upper Le      | g                   | 6       | 28 68  | 26 40 09            | 1 5 |
| 55<br>form, over North | Knee                | 7       | 54.41  | 31 17 20            | 6   |
| nat following Sout     | h Knee              | á       | 49 40  | 18 53 20            | 1 5 |
| nat tollowing No       | th Knee             | 7       | 19 02  | 28 24 56            | 1 3 |
| uth, of those cont     | iznous thereto      | 2       | 37 99  | 28 08 30            | 1 6 |
| orth, 60               |                     | 7       | 59 23  | 28 58 11            | 7   |
| the Calf of the a      | pper Lee            | 7       | 17 48  | 24 35 00            | 16  |
|                        |                     | 4       | 51 10  | 12 41 48            | 6   |
|                        |                     | - 1     | 37 12  | 12 17 47            | 7   |
|                        |                     | 5       | 37 19  | 12 07 44            | 1 2 |
| the Heel of uppe       | r Foot.             | 8       | 55 46  | 20 49 11            | 6   |
| the Sole of the fa     | me Foot             | 9       | 16 20  | 18 58 00            |     |
|                        |                     | II 10   | 48 19  | 26 52 59            | 16  |
| PERSIAN.or             | he Perstan'         | Tonzne. | one of | the Noine           | 000 |

mial Languages; fpoke in the Empire of Perfis. See LANGUAGE.

The Perfism has two Particularities not found in any of the other Eaftern Tongues, The one that it has an auxiliary Verb, answering to the Verb \*\text{i}\su \text{of} the Greek's; the other, that it has an Aoristus: Both these is borrow'd from the Marit has an Aoristus: Both these is borrow'd from the Marit has an Aoristus: Both these is borrow'd from the Marit has an Aoristus: Both these is borrow'd from the Marit has an Aoristus: Both these is borrow'd from the Marit has an Aoristus and the second from the Marit has a few forms and the second from the Marit has a few forms and the second from the Marit has a few forms and the second from the Marit has a few forms and the second from the Marit has a few forms and the second from the second

cedemians, after the Conqueit of Mexanuler. Soc Greek.
Persian Wiced, in Agriculture, is a Machine for raising a
Quantity of Water fufficient to over-flow Lands hordering
on the Earks of Rivers, &c., where the Stream is too low to do it alone. See WHERE.

PERSIAN or PERSIC, in Architecture, a Name common to all Statues of Men, ferving instead of Columns, to support

Entablatures. See STATUE.

They only differ from Caryatides, in that those represent Statues of Women. See CARYATIDES.

Statues of Women. See CARVATIDES.
The Perfeis is a Kind of Order of Columns, first practived among the Althomora; on occasion of a Victory their General Pausigness obtaind over the Perfeiss. As a Tuphy of this Victory, the Figures of Men dets'd in the Perfeiss Mode, with their Islands bound before them, and other Characters of Sistery, were charged with the Weight of Doric Enablances; and made to due to Office of Doric Columns. See ORDER.

ORDER.

\*\*Derfien\*\* Columns, \*\*M. le Clere obterves, are not always made with the Marks of Slaverys, but are frequently used as Symbols of Virues, Vices, of Joy, Strength, Valour, &c. as when made in the Figure of Hercules to represent Strength, of Mars. Moreover Figure Canass Columns (1998).

when made in the Figure of theremes to repretent Strength, or Mort, Mortany, Fastor, Jastyer, Ge,
Parrian Afre and Year. See Exocut and Year.
Parson, an individual Subfinee, of a rational or intelligent Nature. See Substance, and Individual or intelligent Nature. See Substance, and Individual Subfinee, of a rational or intelligent Nature. See Substance, and Individual Subfinee, or a the Three Parlies and Son are repretent in Law, as the fame Parling, an Embassador repretents the Person of his Prince.

Perion; an Embatsator represents the Ferion of Instrume. See EmbassAnDon.

In Theology the Godhead is divided into three Persons; but here the Word Person carries a peculiar Idea, very different from that attachd to it every where cliej being only affed for want of a Term more pertinent and expressive. See

The Word Person, Persons is faid to be berrow'd a Per-onanda, from personating, or counterfeiting 3 and is supposed to have first signified a Mask: By Reason, fays Boethius, in Larca Congress simil voluntur, and hence the Actors who

The major for the state of the

HYPOSTASIS, Hence Hence also, the Learned imagine, the same Name Person came to be used to fignify some Dignity, whereby a Person is dellinguish'd from another; as a Pather, Hashand, Judge, Magistrate, ES. In which Sense we are to under-sitend that of Cerro: Cesson never speaks of Pensylve, but in Terms of Homour and Respect; hus he does many hard and

Terms of Honors and Kelpert, was he does many fard and injurious Things against his Perjon.

This for the Name: as for the Thing, we have already defin'd Perjon, an individual Subjunce of a resjonable Nature 3, which is the fame Beetburk Definition.

Now a Thing may be individual two ways; 1. Logically, as it cannot be predicated of any other; as Green, Phina, Eg. 2. Physically, in which Sense a Drop of Water separated from the Ocean may be call'd an individual. Perjor is an individual. the Ocean may be call'd an individual. Pergies is an individual Nature in each of their Senties. Legislably thy Berk-dual Nature in each of their Senties. Legislably thy Berk-dual Nature in the Legislably the Singulars and Individuals, we don't say the Pergies of a Anumal or a Man, but of Ceters and Paters. And Psykeally, fince Sorate's Hand or Footare never confider? as "Pergies I'll have been the Pryling is lind to be the whole Princish Talls in Hit Kind of Individual is demainsact two ways positively, as when the Pryling is lind to be the whole Princish Ceter Ceter and Principles of the Principles of the Ceter Sentiment, but the Principles of the Principles of the Ceter Sentiment, but the Principles of the Principles of the Ceter Sentiment, but the Principles of the Princi

that do the Philosophers call a Perfor: And negatively, as when we say, with the Thomitis, &. that a Perion consist a in this, that it does not exist in another as a more perfect

in this, that it does not exilt in another as more perfect. Thus, a Man, the confiling of two very different Phage, see Evoly and Spirit, is not are DeTylen's fines nother First hand the Committee of the Committee one whole Principle of Addion, not does be easily to confiling the Committee of t dial, or Whole is confitured, that is not Principle of affirms for whatever Caffill's Humanisy does, that does his Divinity joiled therewish 50 shar shees a but one Perfor in Chiefi, and Papases, in Gamman, a Term applicable to their and the continued of the state of of dual, or Whole is constituted other is one Principle of acting

A tions, for are Procounts of the first, second, and thrie Perjoin. See Pronouvon. Veries agree with their Nouns in Tenfe, Number, and Perjoin. See Constructions, and Concont. Prason, Profine, in dramatic Poetry, the Name and Part of an Actor, or of him represented by the Comedian. At the Head of dramatic Pieces come the Dreamstir 97-first, the Life of Actors, and Characters that are to appear

on the Stage.

The ancient Tragedy was only a fimple Chorus: Thefris was the first who introduced a Person to relieve the Chorus; Assistance added a second. See Tragenty. See also Cho-Agistyles added a reconst. See Takashi'. See and Chromets. See F. Hoffe observes, that in the Epicand Dramatic Poem, the fame Perjon must reign throughout, i. e. must infinint the chief Part thro' the whole Piece, and the Characters of all the other Perjon be faboralized to him. See Characters.

the courte receptor we substitute to him. See CLBAACTER.

PERSONA ILLA, in Law, implies the being able to hold,

the person of t

the Perion. See Pranon.
In Diffuses among the Learned, there is ever fomething
Perforal internix'd; in Ethicks 'tis a Maxim that all Paulis
are Perforal, i. e. don't pass to our Defendants.
A PERSONAL Allies, in Law, is that levied directly,
and foldy against the Person, in opposition to a real or mix'd

Action. See Acries

Action. See Action.
Paronal Gods, or Perforal Elate, is that confifting of Money, Moveables, Ec. which every Perfor has to his own Difficults in opposition to Lands and Tenements, which are carled real Efface. See Estate, and Goods.
Their is defined a felonious taking a way another Man's moveable Perforal Gods. See Titers.

PERSONAL Titles, are Tithes paid of fuch Profits as come by the Labour of a Man's Perfon, as by buying and felling, a gains of Merchandise, Handicarth, &c. Sec Tithes. Prosons Peasonal, or Verb Peasonal, in Grammar, a Verb, or Procoun, conjugated in all the three Perfons. See

in Opposition to Imperionals which have only the third

PERSONALITY, in the Schools, the Quality of Perfors or that which confittness an Individual in the Quality of Per-

See Parson,

The Philosophera being useful to confidence the Capating of zero-The Philosophera being useful to confidence Matter, and Form in cercy other Things do in team in Profits. The Adstract of white the Capating of the Philosophera Capating of the Philosophera of the Philosophera Capating of the Philosophera Capating of the white the Capating of the Philosophera Capating of the Capating of the white the forestal Sublistance becomes individual. The School Divisions are divided above what is if hat difficult guillets the forestal Sublistance becomes individual. The School Divisions are divided above white it is that difficult guillets the forestal Sublistance in Capating of the Capati

bat diffingalfit the Perfundations which Opinion is the most fiction of ... See Insert A. Addres it did to be in Perfund-tion ... See Insert A. Addres it did to be in Perfund-tion ... See Insert Insert Insert Insert Insert Insert In-ternation ... See Insert Insert Insert Insert Insert Insert Learning ... See Insert Insert Insert Insert Insert Learning ... See Insert I

MACHINE. Persanfying is effectful to Poetry, especially the Epo-pea. See Pourray and Eric.

PERSPECTIVE, the Art of Delinesting visible Objects on a plane Surface, such as they appear at a given Diffance or Height, upon a transparent Plane, placed perpendicular to the Horizon, between the Eye and the Object. See Drr-MEATING.

MEATING.
This, we particularly call linear Perspective, as regarding the Politics, Magnitude, Form, 4% of the feveral Lines, or Contons of Objects; and experting their Diministrian: In Opperation to the Arrist Perspective, which regards the Colon. Luftre, Strength, Boldnets, 4% of diffiant Objects, considered as few thre's Column of Air; and expertise the

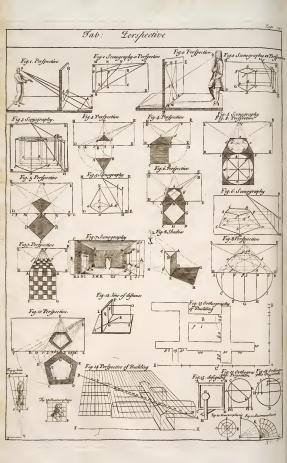
Diminutions thereof The former is a Branch of Mathematicks: Some make it Member of Opticks; others a Rivuler therefrom; and its

The former is a Branch of Mathematicks: Some make it a Member of Quicking others a Kivrale thereform) and in Member of Positive, others a Kivrale therefore, and the Conduct of the Colon, their different Testins, or Degrees, Porce, Wickeley Get. Society, Get. Genom and Contextus, and Control of Contextus, and the Control of Contextus, and the Contextus of the Control of Contextus, and the Contextus of Contextus, and the Control of Contextus, and the Control of Contextus, and the Control of Control of

Luny' And neites Jun, we have a mechanical method of de-lineating any Object very accurately 5 for Designation. Perffective is either employed in repreferating the felno-graphics, or Ground-plats of Objects, as projected on Per-fective Planes. See Lennon April. Or in Seconographics, or Repreferations of the Bodies

Or in Scenographie, or Repredentations of the Bodies emiricus. See Sensona.rur. Germon are the third in The general Laws of each, are inhighted as order to which The general control of the Common in Perpetition. I That the Appearance of a light include the properties wherea, the two Extremes being given, the whole Line is given. I That if a Line be Perpecializate to any right character as the properties of the Common and the Common as Plane, it will be Perpendicular to very other right Line draws on the Sizze Plane.





3. And that the Height of a Point appearing on the Plane, is to the Height of the Eye, as the Diltance of the objective Point from the Plane, to the Aggregate of that Diffance and the Distance of the Eye.

Ichnographic PERSPECTIVE; or the Laws of the Pro-jection of Plane Figures.

## Perspective of a Point.

To exhibit the Apparament by fan obliding Parint, H. (Fig. 3, 1) mount as fine Point, flux v. Fig. 2 and v. The characteristic point v. The characteristic point v. The characteristic point v. The point of Sight v flux v. From the fundament v. Fig. 2 and make F P qual to the Diffiance of the Fig. g. Latily from the Point v Sight f atom v. Fig. and from K to the Point v. Diffiance P, the Line PK. The affective f is the Apparament of the objective Point. See Texts (1) the Apparament of the objective Point. POINT.

POINT.

Hence, I. Since, the Appearance of the extreme Points of a right Line being given, the Appearance of the whole Line is given; the lehnographic Projection of any Rectilinear Figure may be had by this Method. See Rectilinear Figure may be had by this Method. See Rectilinear. And, a. Since any Number of Points of a Carve Line may by this means be projected on the Perfective Plane; the Projection of Curve Lines may likewife be effected after the

fame manner. See Curve. Therefore, this Method will likewife fuffice for Mixtili-

5. Increment this method with necessic tunite for Mixtilinear Figures; and is confiquently universal.
There are indeed other Methods delivered by other Authors, but this is the most offual. To conceive its force and effect, it will be proper to illustrate it with fome Examples.

## Perspellive of a Triangle.

For picture of a Triangle. If the third picture of a Triangle, a Ref. (Fig. 5) whole Birls of Birls a parallel to the tandamental Line D. E. Tota for fandamental Conference of the Stringer of Conference of the Stringer of Line for fandamental Line D. E. Coppelle to the Point of Dilitance K. From  $v_1, v_2, v_3$  and  $v_4$  for the Triangle Conference Line D. E. Coppelle to the Point of Dilitance K. From  $v_1, v_2, v_3$  and  $v_4$  for the Conference Line D. E. Coppelle to the Point of Dilitance K. A. Ban G. S. Tota for the Appearance of the Point of Dilitance K. & Coppelle Conference Line D. C. E. Coppelle Conference Line D

and the Vertex C turn'd towards the fundamental Line D.

## Perspettive of a Square.

To exhibit the Appenence of a Synare, A B D C (Fig.4) from colorand, and having one of its Sides A B in the immunication Line. The Synare heigh rived obliques of the sides of the Synare height of the Synare height of the Synare and Line may fall without the Side of the Square A B, at leaft, may not billed by and make V K the Dilinux of the Synare Tarest the Perspections of the Synare Tarest the Perspections of the Synare A B, at an office B B, and down the right Line K B, K CD, as all of M, Y C Them will A and B be their own A Synare S pearances; and c and d the Appearances of the Points C and D. Confequently Acd B is the Appearance of the Square ABDC.

ABDC. If it is Square ACBD how'd be at a Diffance from the fundamental Lieu Dz, which yet rarely happens in Predicts, the Diffances the Apple A and B must historic be transfer'd to the fundamental Line: As it evident from the preceding Problem. And fine, even the oblique View is not very common; in what follows, we fluid always tippofe the Figure to be politiced directly opposite to the Eye; unlefs,

Figure to be posited directly opposing to the Eps', undefa, where the contrary is expectly mentioner As B CD (Fig. 5) using Empirical AC in Perpresentation to the fundamental Line. Continuous the Side 2D cand CB till they meet the fundamental Line in x and x. From the principal Point the fundamental Line in x and x. From the principal Point of the CD (Fig. 2) and x and vicw'd Angle-wife.

view of Angle-wite.

5. Toeschiut the Appearance of a Synare A B C D Fg. 6.
eabortin another, 1 M G H is inforthed 3 the Side of the
greater, A B being in the fundamental Lince 3 and the Diagonal of the left, Ferpendicular to the Fundamental. From
the principal Point F feet off, each way, on the horizontal

Line HR, the Diffunces VL and VK, draw VA and VB and KA and LB; then will AcdB be the Appearance of the Square ACQDB. Produce the Side of the include Square IL (II) it meet the fundamental Line in I; and IL and the tight Lines IL3, and IL3, IL4 and IL4 IL5 IL5 IL6 IL6 IL6 IL6 IL6 IL7 IL8 IL9 IL10 IL

## Perspettive of a Pavement.

#### Perspettive of a Circle.

6. To exhibit the Apparament of a tortic.
6. To exhibit the Apparament of Carrisk. It is the Cit-cle be finall, circumferche a Square abour it. Draw Diagnonis and Diamenes as and de City, b, interecting one continues to the Comparable to the Diameter 4 to the Square plant in the Comparable to the Diameter 4 to the Square plant in the Comparable to the Diameter 4 to the Square plant in the Comparable to the Diameter 4 to the Square plant in the Comparable to the Comparable to the Diameter 4 to the Comparable to the Comparable to the Diameter 4 to the Comparable to the Com

Circle.

Hence appears not only how any curviliocar Figure may be projected on a Plane, but also how any Pavement, confliting of any kind of Stones, may be delineated in Parynetire.

Hence also, appears what Ufe the Square is of in Pary here, tive, for even in the faccod Cafe we use a Square divided into certain Aresise, and circumferibed about the Careles, tho it be not delineated on the geometrical Plane in the Diagram.

## Perspective of a regular Pentagon.

Performer of a regular Promagn. Assign Protection. The regular Transpare, being a freed Transparent by Lines farmful there is it. From the fivend Angels of the center Protagon AAGOLF, Fig. to to the formation of the Protection of the Transparent by Lines and the Propositions of the Transparent by Lines and Line. Correct the Points 1, a, b, a to the principal Paint f j, and the Points 1, a, b, a to the principal Paint f j, and the Points 1, a, b, a to the principal Paint f j, and the Points 1, a, b, a to the principal Paint f j, and the Points 1, a, b, a to the principal Paint f j, and the Points 1, a, b, a to the principal Paint f j, and the Points 1, a, b, a to the principal Paint f j, and the Points 1, and the Points 1,

I affects and firech'd to the Points of the Divitions or the Obligate, and firech'd to the Points of the Divitions or the fined amental Line; the common learned line the Threads will give the Projection of the feveral Points without Confusions a Thing much to be fear'd from the Multiplicity of Lines to

On the given Point C, (Fig. 11.) to raife a Perfpective Al-fcenographic Altitude requir'd.

# Perspettive of a Solid

To exhibit the Scengraphy of any Salid. Find the Projection of its Bafe in the lehnographic Prefpetives; and in the feveral Points thereof erect the Prefpetive Altitude: Thus will the Scengraphy of the Solido be finitely, except for what relates to the Shadows which mult be thereadded from the Laws of Shadows delivery durate the Article Steeden. For Exc. 18. of Shadows, deliver'd under the Article Shadow. For an Ex-

the control of the c

This Method is general; but its Application is not equal-Article SCENOGRAPHY.

# PERSPECTIVE of Building, &c.

In the Predicts of the Profession of Building, Sec. Great regard is had to the Height of the businesst Lates all as bown the horizontal, being free in the upper Para, and all victed into the English of the business of the Shark State State of the Shark State o In the Practice of the Perffective of Building, &c. Great

In Males Sain divided into two or three hundred equal Pures, either schallay, or to set that end clirical against ears I'm Hy this Saint, and the set of the set of the set of the I'm Hy this Saint, and the set of the set of the set of the line of the Ruse being Ruse, and a Square, which by file-ing the Ruse being way not draw your freependentian entities; reduce it now Purplysites, into Senegraphics, depleterance, per for the Fourto of SRI Lineary, F. F. is, a divided in no a many equal Parts as you find the Bailding has in the Lebuc-garyon, on the reduced Lineary, for F. is, a divided in now with a black Lead Penell draw Linear from the Contra, when you have cholen is which Chiefer equire Judgement or work.

account.

For, if the Centre be too nigh the Front-line, then the Depth of the whole Building will lore-florent too much; if too fir off, it will not fore-florent on cough. This may be illustrated thus; if et an open Tankard, or the like on Stand, for at that it be a little lower than your Eye; if you be a great Diffance from it, you can fee very little or nothing lost it; if the country of th Diffance from 1, you can tee very little or nothing ioot 1; if you come nighter to it by degree, you will percive the far-ther Edge feem to be raid a little higher than that next you, so that you may fee a little Way into it, if you come very night it, you see to deep into it more than can well be excreted in Picture. We shall therefore find some one Place, which we must conclude the most convenient for the Draught. which we must conclude the must convenient for the Drunght, and which may be in general decreasing "to be as far off the Programment of the progra

Scenographie Perffeilive; or the Projedium of Badies

see the Sides that fall between the Ground-line and Top, fall

on a Plane.

Badies

see the Sides that fall between the Ground-line and Top, fall

to very near one another, that 'voind be very difficult to ex
on a Plane. press Particulars to this.

Those Buildings therefore, you would see most of, must be plac'd as far off as you think convenient from the direct Line that runs to the Centre; and the farther they are, the lainer they ar

Place then those Things you would see least of, nighest the direct Line; and see whether the others fall according to your Mind; but this must be done after you have drawn your Dia-

gonal, which is the next Thing.

5. Having pitch'd on your Centre, and having from it drawn Lines to every Division of the Front-line, you are to de-

draw Lines in every Division of the Front-line, you are tode-termine your Disposal, AR, then Hardwig with a pair of Com-puties mentired the Length of the Front-line, tale your Com-lete and the Computer of the Computer of the Com-puter of the Computer of the Computer of the Computer of the other will reach the Herinary on the Stiffer it you placed you here it rells, from the Point draw at threat Line time in the lated Division of the Fronty and this will be reach grown, or pertyr high to the Truth. That this is 6, year many centalir bow it this in referred to the twint Lenne-lines to the Computer of the Computer of the Computer lines to the Computer of the Computer of the Computer of the lines to the Computer of the Computer of the Computer of the Lines and the Lower of the Computer of the Computer of the Lower of the Computer of the Computer of the Computer of the Lower of the Computer of the Computer of the Computer of the Computer of the Lower of the Computer of the Co

linés. You'if where the next Line from the lift is interficied by the Diagona's year lear Partial to the First Beween by the Diagona's year was Partial to the First Beween Sides be perry equal, you may be fure you are night the right; had if the Sides that turn sowand the Centre be to long, then Things will not five flowers cought; if the Sides become the Control of the Control

Control line. In Breath being thirty, I reckon these Divificos, and there is the julk Breath there; and fo on inthe ten placed be Ichnography into Purpletties, you may
have placed be Ichnography into Purpletties, you may
to the Height of the Chappel being 10, Sparse Capt to
the Portelline, I do not a Perpendicular to that Height,
and fo where the other Side of the Chappel is pack, having
consistent Line is the Height; the paining thefe feveral
Heights to feveral Lines, yoo have the Position of the Height,
and the Work of the Height; the paining thefe feveral
Heights to feveral Lines, yoo have the Position of the Building.
Now to divertile thefe feveral Lines, that they confidence
the significant the Height; the ground the Heights in pick's
Lines, and the Tope of each Building to continued Lines, as
the Conneclines set, in the "Links Lines Monthly of the
Horizon where is not the Lines of the Heights up to the Impreded
Horizon where is not the Lines of Thins, by diversing and Radowing,
which is the Life of this hall form'd Figure, and which we see to the Platins.

eave to the Painter

leave to the Painter.

I tremins that we fpeak of the Low-fights: Here we suppose
the Horizontal just the Height of the Eye, about 5 Foot
from the Basis, tho "the generally place" digher, even to
third Part of the Height of the Building, that the Side
Building was the exercised to see present the second

kitel Fore of the Helph servine planting great role to the planting may be reported unone greatly the LD Hilling and the Helph servine for the Forenthie was the Dillines of the Fig. 18th Helph of the Frenchile was the Dillines of the Fig. 18th Helph of the Frenchile was the Dillines of the Fig. 18th Helph servine for the Helph s

PERSPROTIFE, Is also used for a Kind of Picture or Painting, frequently feen in Gardens, and at the Ends of Galleties, designd expectsly to deceive the Sight by repre-ferning the Continuation of an Alley, a Building, Landskip,

PERSPECTIVE

PERSPECTIVE Plane, is a Glafs, or other transparent Sur-ce, Suppos'd to be placed between the Eye and the Obface, supposed to be placed between the Eye and the Ob-jett, Perpendicular to the Horizon, unless the contrary be exface, 1997.

ight perpendicular to the Horizon, university prefix mention d. See Pearer.

See he see "Jenn, 11 (Fig. 15.) between the Eye O and See his the "Jenn, 11 (Fig. 15.) between the Eye O and the Object A 'B' C, centing the opic Rays in a, b, c. Thin, fame call the Object from the Yabbe, and others thin Golff. See and the Object for the Objec

the Gleft. See Section.

PERSPIRATION, in Medicine, the Action of evacuating the Inices of the Body, through the Pores of the Skin. See EVACUATION, PORE, and SKIN. When this Evacuation is copious enough to be perceiv'd by the Senfes, as in fweat, the Performance is faid to be fenfi-ble; where it escapes the Notice of the Senses, as is the Case

in the ordinary State of the Body, the Performation is faid to

in the ordinary Static of the Body, the Performance is take to expendently Societies of the Performance in the Performance of the Period of the P

or Scarkskin. They are inconceivably finall: From a Cake-lation of Lecentracket, it appears that the Months of 13 coco of 'om may be coverd with a common Grain of Sand. See CUTICLE, MILLAR CEME. They theft Vetiles is continually transluting a fabrill whom, from every Point of the Body, and throughout the whom is the Cutiles.

The Matter evacuated this way, is found by fare Experience to be more than equal to that evacuated all the other Ways, i.e. by Stool, Urine, &c. Sautterius found in Italy, un-der the Circumfiances of a moderate Diet, middle Age, and

and the control means, where the consentation means in addy, the extra Like, that the Marter infectible yelfride was a of that taken into Foods to that there only remained a few Nationa, and the Exercisions of the Note, Ears, Interlines, and the Exercisions of the Note, Ears, Interlines, and the Exercisions of the Note, Ears, Interlines, The Interlines of the Note of the Note

The nested of intension "every primar does not seen the fact of the primary of the Manne than Tarlian and the Manne than Tarlian in Intension and the Manne than Tarlian in Intension and the Manne than the Manne of particular discussions of a perfect date of health and the chief Name of particular discussions of a perfect date of health and the chief Name of particular discussions of the Name of the Manne of the Manne

ING Chair

use Clear. Some of the more extraordinary Business of Gra'l here. Some of the more extraordinary Business in Service Services in Services

PERTICA or PENTICAN erre, in oer old Law Books, it he fourth Part of an Acre. Soc. Room.

PERTICA or PENTICAN erre, in oer old Law Books, it he fourth Part of an Acre. Soc. Room.

PERTICAL or PARTON, a Term in one old Law Books.

Pertiples May, Palentanes (feld Pept servidents) If desertment of an International Parton, Pentical Pentic

Tard. Sec PARADISUS.

Speknan observes, that the Lawyers turn'd thirder to meet Spreaman outerves, that the Lawyers turn'd thither to meet their Clients not to hold Moota.

PER VIGILIUM, in Medecine. See VIGILIA. PER VIGILIUM, in Medecine. See VIGILIA. PER VIGILIUM, in Medecine. See VIGILIA. PER J. a long Medium; in English, better call d a Foot.

See Foo

See 1805. "Mandom of great yes bacile gliant ten-pe a Golfel in dermatine calledmen (Alle 18, 1878). The Golfel in dermatine calledmen (Alle 18, 1878). In Hall and the Armstein Called Existing the University of the Existing B. Marie de Natiripalan, Ed delta yes custome in lengitudine elitation politics, E in arrentation quarti-tion to the Called Called Called Called Called Called Annual Falledment Petrics 20, 11, 22 a petions in fair, 8c. Pes Montel, in sucient Records, fignifica a true and tra-chable Adolfutton of the real Value of all current Coin-tendre Called Ca

See Syandard and Coin. PESA, an old Law Term, for a Wey, or certain weight Cheefe, Wool, Efe. See Wry. PESADE, in the Manage, that Action taught a Horfe, herein he rifes with his fare Feet, and bends 'em up to his

wheteen ne rises with nix wire eeer, and needs em up to mis dowly, without firring the hind Feet. The Poffods is the first Letton caught a Horfe, in order to ring him to Carvetts, etc. unlets he perform this well, I li never go well in any Air, yet is he not to be taught it at ne first Riding.

PESAGE, a Castom or Duty paid in certain Markets, &c. for weighing of Merchandices, or Wares. See Weson-

PESSARY, in Medicine, a folid Medicament, of the Length and Thicknefs of the Finger, but a Pyramidal Form; conveyd into the natural Parts of a Woman to provoke, or put a Sup to the Menics, or to prevent a Defects of the Matrix, or on other Occasions of those Parts.

At one End "its faited to a little Ribbon, by which it

At one and its sattend to a little Ribbon, by which it may be drawn out at pleafure. It consists of Cork, or other light Wood, or of a little Linnea Eag, full of Pouders, incorporated with Wax, Oil, and Cotmay cram'd close together to make it folid enough for in-

The Word is form'd from Greek resert, which fignifies the

the fame Thing.
PESTILENCE, in Medicine, a contagious Difeafe, ufuzlly mortal; popularly known under the Name of Plague. See LAGUE

PLAGUE.

The Word is form'd from the Latin Pefin.

The Word is form'd from the Latin Pefin.

PERT-Rough, a Lazaretto or Infirmary, where Goods, Perifors, give infected or intellection with form cornigious Diffetile, are disposed and provided for. See Lazarety FESTILENVIIAL Feory, among Physicians, are fisch as do not only affilic the Patient with a vehament Heat, but, aid to a mallgrant and vectomous Quality. See Ferval.

allo a malignant and vectomous Quality. See Faver.
PRSTIS. See PLAOVE.
PETALA, in Botany, the Leaves of a Flower; fo call'd to diffinguish 'em from the Leaves of the Plant. See Leave.
By Flower is properly meant, That affemblage of Parts call'd Stamins and Pifit, which ferve for propagation of the

call'd X-minus and X-plift, which fares for propagation of the Kind. See Energy which is compaighted Party, see it reality as more than Cafes or Covers to fecture and Kernen the geometric Party, units, as Mr. Bradley conclutes, they are all the control of the c

Blattaria flore sibo, the fingle Plait as in Peafe-blofform; the double Plait as in Blue-bortles. The Coach and Plait together as in Margiolds, £67. The Rowl star Ladder Bower; the Spire as in Mallowa; and laftly the Plait and Spire together as in Concessioulus Discount Folio.

The Callys or Perlandition founctimes ferrees in lieu of Pe-

Sec CALYX. The Word is ferm'd from the Greek wirener a Leaf; And in that Language ferves indifferently for the Leaves of the

Sant and the Flower.

PETALISM, PRTALISMUS in Antiquity, a Kind of Exile, or Banishment for the Term of five Years. See BANISHMENT. or grantingene for the Term of the Lears. See BANJIMANNI-The Petalign at Syracoly was nearly the fame Thing as the Olfrecifin at Alterns; except that the latter was for to Years, and the ferror only for five. See OSYRACISM. The Petalign was performed by the Peoples writing the Name of the Design companying on a Leaft where the

Name of the Perion condemn'd, on a Leaf; whence the

Name, from of rater, Leaf.
PETALOIDES, a Name fometimes given to Urine, when it feems to have little Leaves or Scales in it. See

Uains.

PET/AMINARIUS, in Aniquity, a Name given to certain Perfors who performed extraordinary Feats of Adivity; took perilions Leaps, Vaulus, Edv.

The Word is torm'd from the Greek sixuation, 1979.

Some Authors write it Petininarius, and derive it from Petining, which according to Servini signifies the Bunch of a Camel, in Alicion to the Manner wherein they bent the

a Camel, in Alleston to the Manner wherein they bent the Eody in exhibiting Foltures, Eody Cannon, very fhort, narrow at the Freck, and wide at the Muzzel; made of Copper mix'd with a little Brafs; or of Lead with Tin, uffailly about 11 Inches long, and feven and an half Broad at the Moont's weighing from 50 to 60 Pound. See Cannon and

ORDINANCE.

In Charge is from five to fix Pounds of Powder, which reaches to within three Fingers of the Mouth: The Vacancy is fill'd with Tow, and though d with a Wooden Tampion the Mouth being strongly bound up with Cloth tied very cital which the Mouth being through bound up with Cloth tied very cital which the Mouth being through the Mo Tampion : tight with Rope

tiths with Roper.

"The Eired into a Wooden Plank that has a Cavity cut into it to receive the Nouth of the Com; after the manner exists a receive the Nouth of the Com; after the manner exists a receive the Nouth of the Com; after the manner exists the Com; and the

with Iron Hoops.

The Invention of Petards is afcribed to the French Hugo-mests in the Year 1579: their most figual Exploit was the tak-ing the City Cahers by their Means, as we are told by d'Au-

PETECHLE, are Spots in the Skin, like Flea-Bites, which come out in some Fevers. Hence Perechial Fever is the spotted Fever, commonly so

Sec FRYER.

cailed. See FYFER.

PEPTER Agent, an ancient Levy, or Tax of a Penny on each Houle throughout English. See Tax.

It was call d'arriver, because contected en each Penny on the Percentage of the Contected en each Rome.

The Agent and the Percentage of the Contected en each Rome.

The Agent and English and each Rome, and althy to was called Henrich-Romey, because every Develling-houle was subject to the product the tree to Pence vine premate belonging to it, nay, and every religion. Houle; the Abby of St. Aliman above excepted.

of St. Albant alone excepted.
This Peter-pine was at first given as a Pention, or Alms, by find King of the Welt Sacota, in the Year 725, being then in Pitginings at Rener 1 and the like was done by 0ff King of the Mercaent, throughout his Dominicous in 794.
It was not intended as a Thibate to the Pope, but chiefly for the Support of the Excipt School or College at Rener. the Opp, however, went halves with the College; and at tenth Pope, however, went halves fundlow'd almost the Whole,

Failing & Janesi the Whole.

At fifth it was also mocational Contribution in the Sense at Italia At fifth it was also mocational Contribution in the Sense at Italia at Intending Tax; being eitherlift by the Laws of King Contra, Edwards the Conflicting in, embedding the Conflicting in Laws. See Care.

PETTI Copy. See Care.

PETIT Sericenty, in Law. See SERIEANTY.
PETITIO inductorium, in the civil Law, the fame as
Imparlance in common Law. See Imparlance.

Patitio Principii, in Logic, a begging of Principles; or a precarious supposing a Thing to be true, or taking it for granted, when it really remains either dubious, or elfe is for granten, war

This we popularly call begging the Question.

PETITION, a Supplication in form, made by an Inferiour to his Superiour; especially to one having Jurisdiction. See

PETRA lens, in our ancient Cufforms, a Stone of Wool.

See STONE. PETRARIA, in ancient Writers, is formetimes taken for a Quarry of Stones; and in other Places for a great Gun, call'd a Peterd; 'ris often mention'd in old Records and Hittorians

PETRE Oil, the fame as Petroleum. See PRIROLEUM. PETRIFACTION, or PRIRIFACTION, in Physiology, the Action of converting Fluids, Woods, and other Mat-

The Action of certaining Final, whose, and contention termino Stone. See Strong.

The Paculty of petrifying Wood is aftribed to feveral Springs, Lakes, &C. The ancient Naturalifits mention a River whole Waters rum'd Bodies Into Marble, by mere contact a nay, which being drunk perrified the Vifeera of the Drinker.

Phonen habens Cicones, quod posum faxea reddis Vilvera, quod taclis inducis Marmora rebus.

Smits relates, that the Mud of this Rivers of fuch a Nature as to harden and give together the Parts of Bodies. As, flys as the Mud of this property of the Parts of Bodies. As flys the Parts of Bodies. As flys the Parts of Bodies and Fundamental Smits of the Parts of Rivers of the Parts of Parts of Rivers of the Parts of Rivers of Parts of Parts of Rivers of Parts of Parts of Rivers of Parts of P fame; particularly the River Silsons near Tarensum, whose Waters are yet found very wholesome.

Waters are yet zound very wholetome. To  $\mathcal{P}(iny)$  Little we night add many more among our-felvers particularly the Lake Lakenand in Sections,  $\mathcal{GS}$ . But, in effect, there does not ferre any real Transfunction of the woody Nature into the Nature of Stone, in any of the Cafes, all that is done is this, the Stony Particles which be-fore floated in the Laquor are now lodged, and depolited in the Potres of the Subliance, in forth manner, and in fuch

the Forces of Inter Solutioness, in such missing, and in Loss Plenty as to place little elle but the Appearance of a Stoon. PetrylaClient too, are frequently nothing elle but incruff-tions of floory Particles, which furround the Bodies immergid, as Saits floor upon and abbert to them. See Ischesya xisos. Varenitis: has a Conjecture that Waters only petrify Woods

Foreign his a Conjecture that We was an ENTA MONE by means of certain instance, they and of posted Particles lodge therein, which cut the longitudnal Fibres of the Wood in nininits Number of Points, and thus delitry the Form they were diffinguilful from Stone. The Conference of the Conference of the Conference of the transfer of the Conference of the Conference of the Conference are of into Intellectually where, in a line Time is perigify and of this ferrified Water to be lost a large Carasumfird in the Neighbourhood.

Seghbourhood.

\*Petrification of Waters, or Juices of the Earthane inconcertible. In the Place call'd as Cores Gantiers in France,
the Water falling from the Upper-parts of the Cave to the
formed, immediately hardens into little Stanes, of fuch
Figures as the Dopp falling either fingly, or upon one another chance to exhibit.

their change to exhibit.

Of this Kind of Care in he Tro of Trotten in Register! Mr. Of this Kind of Care in he Tro of Trotten his Mrsel-replies to the their control of the this Mrsel-replies to which we may add an other cull the Effection in Witherstein in Witherstein is lind army with their inhaltical Scoose, hamping like leider; which are manifelying may be supposed to the Mrsel-replies of the Care of the Ca

See all of Land 18 berrie.

See all of Land 18 berrie.

Little for first to become, to do.

PETROBRISSIANS, a religious Seel, which anois in
form the Local region of the Land 18 berrie.

The chief of Bray's Adherens was Monh, one Henry
from when the Petroriffent were all sould Administra.

The chief of Bray's Adherens was Monh, one Henry
from when the Petroriffent were all sould Administra.

Treatist against the Petroriffent is the Petric to which
he reduces that Opinion to five Heads a. They dealed

Treatist against the Petrolicus to see all the Brayillon

Treatist against the Petrolicus to five Heads a. They dealed

Baptilin, a. That so Churches are to be bull, but their their

Baptilin, a. That so Churches are to be bull, but their their

Baptilin, a. That so Churches are to be bull, but their their

Baptilin, a. That so Guide at an Alize.

That the

Cook onlyst to be pull down and burn, in regard we cought

to abhor the Intrimental our Sevient's Paline. A. That Je

voin, That Sevience, alms, Prepring the out variable Dealer

Little Seed on the Seed of the Seed of the Third Seed on the Seed

ius Christ sort in the Lucharint, and that this Sacrament's ain. 5. That Sacrifices, Alms, Frayer, \$26' coin cavailithe Dead F. Langhis objects Manichelim to the Petrobruffsons; are fays they maintaind two Gods, the one Good, the othe Evil; but this we rather efteem an Effect of his Zeal for the

Catholick

Catholick Catale, which determin'd frim to blacken the Adver-faries thereof, than any real Sentiment of the Petrobraffian. PETROJOANNITES, the Followers of Paser John, or Parer Journs, i. Peter the Sen of John, who liv'd in the XII. Century.

His Doctrine was not known till after his Death; when his

His Doctrine was not known till after his Death; a winen ins body was taken out of his Grave and burnt. His Opinions were, that he alone had the Understanding of the true Sends wherein the Applical prenched the Goffiel, that the reafonable Sooi is not the Form of the Man; that there is no Grave infinited by Burjffing, that Jelos Christ was pierced with a Launce on the Cools feet he expired.

PETROL, PETROLEUM, q. d. Petra-olema, Oil of Rock; an Olcaginous Juice, iffuing out of the Clefts of Rocks. See OIL.

Befide artificial and vegetable Oils, i. e. those drawn from Plaors, &c. by Expression; there are also natural and mineral Oils isliking of themselves from the Entrails of the Earth; call'd by a common Name Petrols, or Petrols

call'd by a common Name Patroli, or Ferrolos.
Thefic, according to all Appearance, must be the Work of abternars count File.

Thefic according to all Appearance, must be the more flusher of the property of the Patroline Thefe Patroline Country of the Patroline Country of Rocks, are there collected, and Oose thereo Ground firmilities and the Diffusions of the Ground firmilities are within.

Parance, then is a Liquid Himmen; only differing by the Liquidity from other Himmens, and Afabalum, Jet Galdellor (See Afabalum), Let Afabalum, Jet Galdellor (See Afabalum), Let Afabalum, Jet Galdellor (See Afabalum), Let Mahalum, Jet Galdellor (See Afabalum), Let Mahalum, Jet Galdellor (See Afabalum), Let Galdellor (See Afabal

BITUMEN.

The Naphtha, which is either a Liquid, or at least a very ft Bitumen, is much the fame with the Petrol. See foft Birun Not returned, is much use tame with one 'Perio'.

MAPIFITHA.

Hithere there has been little Patriof found, except in hot Commires. Obstring Eagle the waters geography in the Seamethold in Patriol. There are Patriol in the Southern Provinces of Prames; but the bell are thold in the Douchty of Middens, first discovered by Africo a Physician, in 1626, in a very batter Walley, it Leagues from the City of Mid-

dens. There are three Canals dug with great Expence in the Rock; by which three different Kinds of Perrol are difcharged into little Baleno or Referrois: The first, as white, Cleat, and fluid as Water, of a brisk penetrating Smell, and not different forcome of the Reference of

Bimmen. M. Benidue has made feveral Experiments on the Petrol, deferibed in the Hift of Acad, of Sciences M. DCC, XV. He efective in the Hitt. of Acad. of Sciences M. DCC. XV. He observes, that he could not railf any Philogon or falline Spirit by any Diffiliation, either in Bainso Maria, or in a Sand heat: All that would if le was Oil; at the Bottom of the Pellican remaind an exceeding final Quantity of a thickifth,

rownish Matter. brownith Matter.

Hence, to use Petrestums in Medicine, it must be preferibd just as it is. The a Remedy Nature has prepar do our
Handis, it is found very warm and penetrating; and commended in many outward Complaints, Rheumatick and Arthritick
Palms, and paralytick Limbs.

PETRONEL, a Sort of Harquebus or Hand-guo. See

HARQUEBUSS.
PETROSA Offs, in Anatomy, two Bones of the Cra-

THE ROAD OF IN TABLET, IN CALLED THE RESERVE OF THE

the reft. See Temples.

Their Upper-patt is fquamous or Scaly, the lower Pe-syons, i.e. hard or flony, and hence they come here to be denominated Parrofa.

denominated Patrols,
The Oifs Parrols are the finallest proper Bones of the Cranium: Their Upper-part is Semi-clientar, and their Lower
of a Rocky Make. They are finuted to the lateral and
lower Parts of the Head; bounded a-top by the Justimous
strute, which joins tem to the Parietalia; behind by the
Lambdoides, which joins them to the Occipital, and connects em to Os Sphenoides.

Each has two Sinus's before and behind the Sphenoidal Lect near two onners before and behind the Sphenoidal: the Exterior lin'd with a Cattlinge, receiving the Process of the lower Jaw; the Interior receives the Lower-part of the Sinus Lateralis of the Dura Mater. Each again has four Processes; three External, and one In-

ternal; of the External, the first is call'd Zygomations or Os Jogale; the second Massaides or Massmilleris; the third Styloides, each whereof see under its proper Article. Zygo-MATICUS, &C. The internal Process is properly call'd the Os pessosium:
This is pretty long and large, containing the whole Messus
Auditorius and Cavity of the Tympanum. See TYMPANUM

and EAR PETTEIA or PETTIA, in the ancient Mulick, a Greek Term, to which we have no corresponding one in our Lap-

guage.

The Melopocia, i. e. the Art of atranging Sounds in Succession fo as to make Melody, is divided into three Party, which the Greek's all. Leftjin, Atrait, and Creffs, the Latins Samptive, Mixite, and Ufus 3 and the Italians Prefs, Mefcolumenta, and Ufus

The last is also call'd by the Greeks Harida, Pestein, and the Italians Pettia.

by the Italians Pattia.

Pattia or Pattia, then is the Art of making a jull Difcerment of all the Manners of ranging, or combining
Sounds among themelieve, to as they may produce their Efcick, i. 6, to as they may expende the feveral Pattions intended
to estable 3, thank, E.F.; if throw what Sounds are to be said,
which to begin, and with any of tem are to be repeated, with
which to begin, and with a grave to the said of the said ound to rife, or an Acute one to fall, &c.

Tis the Petteis that makes the Manners of the Munck; it being this that chufes out this or that Pattion, this that or Motion of the Soul to be awaken'd, and whether it be proper to excite it in this or that occasion.

The Petteis therefore is in Mufick what the Manness are in See MANNERS.

We don't fee whence the Word shou'd have been taken by the Greeks unless from Berlois their Game of Chefs; the musical Petreis being a Combination and Arrangement of Sounds, as Chefs is of Pieces call'd cirrot, Cakani, Chefs

Men PETTY-Bag, an Office in Chancery, the three Clerks whereof Record the Return of all Inquititions out of every Shire, make all Patents of Cultomers, Gaugers, Controllers,

Since, make all pracents of Cuttomers, Gaugers, Controllets, 25. See Chiancery.

Privil 1987. From the French Petitic, little, and known proper Wooer, Suite, 25c. A little, Stickling, Solicitor, or Jobber in Law-diffrace, without either Skill or Conticence.

Conticience.

PRITYL-Larray, in Law, finall Theft; or the stealing of
Things under the Value of tad. See Larceny.

The Punishment, anticutty, was fometimes the Lofsof an
Ear; sometimes Cacigelling: After Lessard III. It was for
along Time Whipping, but is now Transportation.

PRITY Pates, among Confectioners, a fort of finall Pies, made of March Pane, and fill'd with fivest Mests. Prity Singles, among Faulconers, are the Toes of a Hawk. See HAWE.

PETTY-Tally, in the Sea Language, a competent Allow-nee of Victuals, according to the Number of the Ships

Company.

\*\*Perry-frasfon, in Law, the Crime of a Servant's killing his Mafter, a Wife's killing her Hashand, a Child's killing his Pretate to whem he ower Obedience. See The Aron.

The Pansithment of \*Petry-frasfon\* is, that the Criminal fhall be drawn on a Strdge, or Huntle to the Gallows, and

there hanged. ent of Petry-Treason in a Woman is the same rith that of High-Treason, vio. drawing and burning alive-

See PUNISHMENT Sec NICOTIANA. PETUM. PEVETTS, the Ends of the Spindle of a Wheel in a fatch. The Holes into which they run, are call'd Pouts-

rer by the Mixture of fix Pounds of Brais, and fifteen Pounds of Lend, with an hundred Weight of Tin. Befide this Composition which makes the common Power,

Beide this composition which makes the compounded of Tin, there are others for other Occasions; compounded of Tin, mix'd with Rezulus of Antimony, Tin-Glafs and Copper,

mix'd with Regulus of Amimony, Tim-Glaff in feveral Proportions. See Trs. Psewter has occasionally ferry for Money, foph. Transact. M. Putland informs us, that Pewster has occasionally iervid for Money. In the Philo-foph, Translath M. Puttland informs us, that K. Fames II, turn'd all the Pewster Veffels, Est, of the Procedants in In-land he could feise, into Money; Half-Crowns were forme-what bigger than Half-peace, and other Pieces in proportion,

See Money and Coin.

He order'd it to be Current in all Payments: Whence, our

He order'd it to be Current in all Payments: Whence, our Author obferves, People ablicated for text of being paid their Debts: He mentions Crown-pieces of this Metal, with the Legand on the Rim, MELLORIS TESSAR FAST.
PHENOMENON, in Phyticks, an extraordinary Effect, or Appearance in the Heavens, or on Earth, differer'd by Obfervation of the Calelital Bodies, or by phytical Experiments and whole Caufe is not orbinous. See Olessarvarrow, EXPERIMENT, Sc. Such are Meteors.

Such are Meteors, Comets, uncommon Appearances of itars, and Planets, Earthquikes; fuch also are the Effects of he Magner, Phosphorus, 5c. Scc Meroura, Comer, Stare, Janett, Rartiquars, Mioner. The a Maxim, that Hypothesis is best, which solves most

The Phenomens of Comets are inconfiftent with the Soli-dity of the Heavens, support in the Protomate Hypothesis

and with the Picnitude of the Heavens afferted by the Car-

and with the Permission of the Previous allerted by the Cartefans. See Proceeding, Pararrupt, EG.

The Word is form'd from the Greek sales, Lappear.

Six If, Newson flows, that all the Phenomena of the heaving podies, follow from the Atmathion of Gravity, which intercedes the Deudes and allend all the Phenomena of the

venly Bottes, fellow from the Armethen of Gravity, which interection their folicies and inhead in the "Polementum of the Polementum of the

The Ephemerides of the Academy of the Curiofi Nature, late that Phagedenic Ulcers have been frequently cured with

Sheeps Dung.

PHALANX, in Antiquity, a huge, fquare, compact Battalion, form'd of Infantry fee close to one another, with their Shields join'd, and Pikes turn'd cross ways; informuch that it was almost impossible to break them.

was amort imponentee to recar them.

It conflicted of 8000 Men: Livy lays, that this fort of Batalion was invented by the Macadonians, and that it was peculiar to them; whence, among Writers, it is fometimes call'd the Macadonian Pholosym.

St. Euremond observes, that the Macedonian Phalaum had the Advantage of Valour and Strength over the Roman Le-See LEGION.

PHALANK, is also applied by Anatomists, to the Rows of the finall Bones of the Fingers, as if rang'd in order of Battle.

PHALEUCUS, in Poetry, a kind of Verfe, in Ufe among the Greeks and Lauris; confifting, like the Sapphie, of five Feet, the first a Sponder, the fectod a DoSyl, the three last Trochees. See Verse, Foor, Sponner.

The Phaleucus is very proper for Epigrams. Casullus ex-cell'd in it. See Epigrams.

cell'd in it. See EFFGRAM.
PHALLOPHORI, in Antiquity, a Name given at Siepon
to certain Minori, who ran about the Streets insutted with
black, cloathed in Sheeps Skin, hearing Banker fall of
various Herbs, as Chervil, Branca Uffina, Violet, Ivy, &c.
They dianced in Cadence and were eround with Ivy, in honour of Bacch The Word is form'd from the Greek ganals Skin and offer

I hore.

FHALLICA, in Autjoulty, Pealts, or Sterigies eclebrated at Albray, in honors of Battimu. See Flast.

The property of the Control of Battimus of Battimus, Soon ster on the Casephers and Control of the Control

Trophies of the Goot, they hore Figures of the Parts successed to EPpfin, Pharastructus, as Philipping, one who figures, the Control of the Parts of

Hence the Word is also applied to Embudsila, Pretendent to Revelation, one Lights, Pophodeis, 456..., a Special of PRINTAGASI, Four states, Plantage and Special of PRINTAGASI, Four states, Plantage of craisful of the Plantage, See Spring and Plantage and Spring a

The Organ of this Senfe is vulgarly supposed to be the middle Parr of the Brain; and its objects, all the Species counmunicated to it by the common Senic, by the comparing of which it frames infinite others to it felf. See IMAGE.

In Melancholic, and mad Men this Faculty is very throng, reprefenting many extravagant and monitrous Things; and framing its Images at ively as those of Scalation; whence the Visions and Deceptions these Persons are liable to. See Pas-

Vition' and Declysions their Perions are liable to. See Plassing, Database, S.C., that from Placelly is to be the Freedmant one; to enable ten to figure, and purific and excess their Pictions of Plades with more Strength, Confiftency, In Mon it is furpored to be full-pict to Readen, bet in Brunt in has no Springers, this being the Readen, bet in Brunt in has no Springers, this being the Readen, bet in True of the Placelly in the Configuration of the Placelly in the Configuration of the Placelly in the Configuration of the Planette, Configuration of the

polition. See STYLE.

podition. See STYLE.

PHANYAFTICAL Colours, is a Denomination given by
the Peripateticks to those Colours exhibited by the R sinbow,
or a Prilin, a st opposing 'em not to be real Colours, but enly
Phantours or Deceptions of the Sight. See Coronx.

But many Experiments of the Moderns, and particularly
those of Sir Jidean Newton demonstrate the contrary; and

prove them as real as any other Colours in Nature. See PRISM.

and R are-bown
PHARISEES, a celebrated Seft among the ancient fews,
fo call'd, fay fome, because speared from the reft by the
Audierity of their Life, by their professing a greater Degree
of Holiness, and a more religious Observation of the Law.
This is the Import of the Word Pharis in the Hibbert
rather the Challes Tongage, whence is form'd the Greek

ander the Catalië Tengue, wheree is found the Greek-equarity and the Land Phologues. One maintain this 12-proaches of the Land Phologues, the maintain this 12-proaches where the Chandree of the Phologues was were set only difficultied. For the real by their manner of Life, but by their Halten. Phologues The Phologues was the contract of the Catalian Chandree of Liferacy location. The Catalian Chandree of Liferacy location is the of Liferacy location. The Catalian Chandree of the Catalian Chandree Land, will use there this Self to have not same gift be given; till a little before the Time of Catalia. Others, perhaps with more publishing, where the Oligan of the Phologues to the Time of the Maccabees,

Time of the manageres. Be this as it will Phenifeifin is fill the prevailing Doctrine in the Freugh Religion, that huge Number of Traditions in the Tahmud which bear to great a Sway among the Freugh coming all from the Phenifeir. See Traditions and Tat-

SMUD. "Globbur, who defetibes their Dogmans, flys, that they at-tributed all to Defiting, and to God; fo, however, as not to despite Man Gibburg. But which statut of dismost this and the first the status of the status of the con-bination of the control of the status of the con-dense of the status of the status of the con-dense of the status of the status of the status of the and unafitted: Fate, loss of Dot preferring of temporal and certed oming agric, manuser terms there humans the treating for earth oming agric passaute terms there humans the treating for

They own'd the Immortality of the Soul, and a future State; but admitted at the fame Time a kind of Metem-pfychofis, or Transmigration of Souls. See Metrmest-CHOSIS.

processing or \*Iranimyarino et Souls. See BRITARENTThe Pharipie were great folkshes for he allegoids of a myficial Seafs of the Scriptures whence and of Convent myficial Seafs of the Scriptures with the Pharipies of the Scripture of the Scripture of the Scripture points to the Schotzur. See SADOCERS. PERAR MACCUTCA, they are ePhysics which direct. PERAR MACCUTCA, the price "Physics which are the price physics," See Perarasary. In the Use, masser of Applicates, Or. See Perarasary. In the Perarasary of Applicates, Or. See Perarasary. The Perarasary of the Perarasary o

The word is from a low the greek property and perform who prepares and fells Medicinet. See Avorrancany.

The Word is feldom used but by way of ridicule. It is form'd from the Greek papears and waker construction, to fell.

PHANACUM, a Medicament, or Medicine. See Mr. et ite One deficible another Circle: The Interaction of the Phana. Hence, positive the Edific, the Quantity of PHANACU, that Branch of Medicine which reaches Obligation, and the College reference of Medicines. See Mrs. Ecrists.

PHEONS, in Heraldry, the Barbed Heads
Gisteniad PHARMACY, call'd alfo fimply "Phermacy, is of Darts and Arrows, utually repreference of
that delvid to us from the Ancients confifing in the the adjoining Figure. Suble, a Felic Ermine
Knowledge and Management of the feveral Parts of the Mabetween three "Pheonology the Name of Eger
Angles and the Angles of the An erra Medica, now in the Hands of the Apothecaries. See

The chief Obstacle in the Way of the Improvement of Phy-, is the Physicians neglecting of Pharmosy. Chymical Pharmacy, call d also Spaggrical and Hermeti-

Chymical Pharmacy, call'd allo Spegyncal and Hermetical, is that introduced by Peraceglis, who calls it Air defiliatories, conflicting in the refolving of mixed Bodies, into their component Parts, in order to feparate the utiletis and III, and collect and exalt the Good. Sec Crimistry.

The Word is derived from the Greek objustues Remedy.

The Word is derived from the Greek assumes Remedy,
—Simples, suggest, famility, edgin pegard, renaily proof
somethy, which is the suggest of the suggest of

Coloffus of Rhodes ferr'd as a Phares.

Ocasion flays, Phoros antiently fignified a Streight, as the Phoros or Phoro of Melfina. See STREIGHT. PHARSANG, or PARASANG, a Torfies Measure of 40, 50, or 60 Furlongs. See PARASANG.
PHARYNX, in Anstomy, the upper Opening of the Octophagus or Guilet, finance at the Bottom of the Fances. See

OKSOPHAGUS.

The Photypus is that Part particularly call'd the Gules or e Threat. It being in this Part of the Gullet the Action of Deglutition commences, and where 'tis chiefly perform'd.
It is affifted by three Pair of Muscles which compose the

It is stilled by three Pair of Mucles which compose the Pharyaw. So Descripting.

The frittenild the Sylapharyagess icree to draw up and dilate the Pharyawa; the Geood the Pharyagepharyagess fewer to continge it; the third, which is called the Oglo-phagess forces to tole it; for each under its proper Article.

STRUMENT is the original Completed to the Control World in the original Completed to the Control Cont

full, fornetimes horn'd, fornetimes gibbous. See VENUS,
And Mercury does the fame—— all the Difference between
thefe, and those of the Moon; is, that when these are full

the Sun is between them and us; whereas, when the Moon is full, we are between ther and the Sun. See Muncuny.

The Word is form'd from the Gresk pairs, apparen, I ap-

Posts.

Settern passied the Attonomers a long Time with his
fitning Vistory of adolphic to the control of the fitning Vistory of adolphic to the control of the fitning vistory of adolphic to the control of the fitning of the control of the fitning to the control of the contro

# To determine the Phases of an Eclipse for any given Time,

Find the Moon's Place in her vifible Way for that Moment; and thence, as a Centre, with the Interval of the Moons Se-mi-diameter, deferibe a Circle. Find in like manner the Sun's Place in the Ecliptic, and thence, with the Semi-diameter

PHIAL, PHIALA, a little Glaff-bottle, popularly call'd The Word is form'd of the Greek plaze which fignifies the

The words is form do to me urese spaces which against an affine Thing.

PHIDTIA, or PHILETTA, in Antiquity, Feal's ele-brented with great Frapality at Londonson.

The state of the state o zens great and fmall.

zens great and fmail.

Bernegger fasy, they who attended at this Feaft, each brought a Buthel of Flower, eight Meafures of Wine, call'd Corns, and five Mines of Cheefe, and as much Figs.

The Biditis of the Greeks were much the imme with the

See CHARISTIA.

Chariffia at Rowe. So CHARIFTIA.

PHILADELPHUS, in Antequity, Title, or Sur-name, beet by feveral ancient Kings; form'd from the Greek observable and advantage from the Bother. Friend, lowing and devantage flowers and fermilled it with 50000 Volumes, by the Advice, and fermilled it with 50000 Volumes, by the Advice, and the Care of Demorting Phateman. See Linnary. It was the laine "Philadelphas, that provid the Greek Care of the Care

SEPTUAGINT. Father Chamillars has a Medal of the Queen of Comagenet, which bears the Title of Philaselphis; without any other Name. M. Vaillant also tells us that Philip King of Spria Name. M. Vaillant also tells had the Title of Philadelphus.

PHILANTHROPY, a Love of Mankind a general Be-

PHILIAN I HINOPY, a Love of Mankind 3 a general Henevoletic toward the Species. See Banevoletises.

PHILIAUTIA, PHILIAUTY, in the Schools, felf Love 3 a vicious Compilatione for a Man's felf. From the Greek giase, canicus, and davis, felf.

PHILIPPICKS, in Literature, a Name given to the Orations of Demosfiberes against Philip King of Masseson. See

OBATION.
The 'Philippicks are effected the Mafter-pieces of that
great Orator: Longinus quotes Abundance of Inflances of the
Sublime from 'em; and points out a thouland latent Beanties therein. In effect, that Pathesic whetein Diemofilemes
caucht'd, the frequent interrogations and Apolitophe's whereexcell'd, the frequent interrogations and Apoltrophe's where-with he attack'd the Indolence of the Althonium, where could they be better employ d? How much Delicacy foever there be in the Oration against Leptinum, the Philippoits have yet the Advantage over it, were it only on account of the Subject, which gives Dismoftlewer to fair a Field to difplay his chief Talent, we mean with Longiants, that of moving and afth-

mining. Description that the Oreston on the History Emerginal History algorithms and paneer it the 9th in Order; but you, the Free and Maglety where Descriptions are yet, that Force and Maglety where Descriptions of the Philippile of Demolforth forms to exclude the Oreston on the History to or the Number; and attended the should the History to or the Number; and attended the should the History to or the Number; and started the Language and the State of the Stat

the Philippicks. Tis an extraordinary Thing to fee fo much Spirit in a Tran-

"Fina a exmondinery Things to fin from Shiftin in a Transition in much of the Trengh and Energy of Demployers, in the Intensity in the Control of the Part of the

ret'd the Philippiers: PHILIPPISTS; the Pollowers of Philip Melantilion. The

who arose in his Time; and the Dispute growing still hotter after his Death: The University of Wirremberg, who espoused Milanchibon's Opinion, were call'd by the Flactions, who at-tacked it, Philippills. Sec Uniquist.

Backed II, "PRIMPIPED. SEC USIQUIES".

PHILIZERS, OF FLANDAR, Oblices in the Nift Prior Office, who make out all Process upon Original Writs, (which are made out by the Courters, Liebs as Gipial, obias, IF plants, 5%, and to whom the original Writs are brought after returned by the Sheriti, as well for their Warman in fugue out Bich Gepias, (S. on them, as for them to fill with the United Prior World Courters, See Fallandar, as for them to fill with the United Prior World Courters, See Fallandar, as Salid Good Broken and Courters an

wrime. See Fig. 18.28.28.
It is no be obleved, that the Subject cannot being any de-tion in this Court by original in 19.28, but must proceed by the interpretation of the second of the second of the court of the second original second of the second of the second of the second original second of the Write of Linea and Allonous which are brought in this Court

by Bill PHILO, a Term originally Greek, form'd of stass, emicus, Friend, Lover; ufed in Composition in feveral Wards in our Language. As, PHILO-ELUTHERUS, a Lover of Liberty; of stass and

hand son, Abor, fice.
PHILOLOGY, a Science, or rather Affemblage of feveral Science, confifting of Grammar, Rhetorick, Poetry, Antiquities, Hiltory, and Criticiim.

Philougy, is a Kind of Universal Literature, conver-fant about all the Sciences, their Rife, Progress, Authors,

Sc. See LITERATURE.

Phiklogy, makes what the French call the Belles lettres. ntiently, Phiklogy was only a part of Grammar. See Antiently, GRAMMAR GRAMMAR
Eratoffbent, Library Keeper at Alexandria, was the first
who bore the gay Title of Philadogus, according to Sustamus; or that of Critics, according to Chimen Alexandrium; the
lived under Ptolang Philadolphus, and died in the 146th

Olympiasi. See CRITICISM.

The Word is form'd from the Greek place, and algor, Lover of Difcourfe, or Words.

of Dilcourte, or Words.

PHILOMATH, PHILOMATHES, a LOVER of the Mathematicks, & See MAYHEMATICES.

PHILONUM, in Pharmacy, an Opiate, whereof there are two Kinds; the Roman and the Perfian Philomium. See

Oriata: The Roman, call'd allo the great Philomium, took its Name from the Phylician Philo who invented it. It conflish of the Seeds of Judianium, Phypy, and other lagredlent. This sidd to promote Sleep, against Colds, Colicta, Co. The Phylin Philosophy Conflish of Reveal lagredlent, among which are Oplium, Term Biplites, Lupis Hematires, Callor, and Sixtion. This sidd to hip Hemethinger, Dy-

Lenton, and Istiton, "Lis uied to itop Hemorrhages, Dy-ferreits, 5%,"

Erreits, 5%, and the Amiquity, a Title, or Sur-name, fi-lamed by fevral of the Kings of Egypt and Syrins, 54, 1997, 1998, and 1998, and 1999, and 1999,

hojator, Sc.
PHILOSOPHER, a Perfon well verfed in Philosophy 3
or who makes Profestion of, or applies himself to the Study
of Nature and Morality. See Pastacopeny.
The Seeks of Philosophers are very numerous 4 and their
Dogmans, or Texets very controllony. See SaxHelmour and flome of the Chymilis denominate themselves

Historia and fome of the Chymitis denominate themfelves phisipheris Perr. Sec Convairers.

The Alchymitis and Adepti are frequently denominated the Phisipheris by way of Eminence. See ALCHYMAIST, SE-PHIL OSOPHERS, STORM, the great Object of Alchymy, is a long toph-for Preparation, which Hall trails mate impurer Metals, as Tin, Lead, and Copper into Gold and Silver. See Tha Assessary Array.

Although The Company of the

and Silver. See Taansutation.

There are three ways whereby the Alchymitis have attempted to arrive at the making of Gold: The first by opportunity for every Mearl yet known, contains four Quantity of Gold: Only, in most, the Quantity is to little that it won definy the Expence of getting it one. — The fecond by Metasting to the Alchymids hold Mercury to be the Estis and restires is en the Arboyniths bold Mercury to be the fishts and Marter of all Mental, when Calculative proget from all terem-hance of all Mental, when Calculative proget from the Inter-bian the Native Quickfilters, And that by fabellings, and purprising and digiting it with much Labour, and long Ope-cations, it may be conventionary. The other Mental it is in-efficiant for, not reasonate: "A security that it is in-efficiant for, not reasonate it is all the contraction of the Calcula-tion of the Calculation of the Calculation of the Calcula-tion of the Calculation of the Calculation of the Calcula-tion which is a contraction of the Calculation of the Calcula-tion of the Calculation of the Calculation of the Calcula-tion in the Calculation of the Calculation of the Calcula-tion in the Calculation of the Calculation of the Calcula-tion of the Calculation of the Calcu

That Reformer having firemoutly oppord the Ubiquifts, Now Mercury has ever force Impurities in it; and thou Now Mercury has ever tome impurities in it; and those impurities are lighter than Mercury. Cou'd thole be punged quite out, as it does not appear impossible but they might. Mercury wou'd be as heavy as Gold; and what is as heavy as Gold is Gold, or at least is very easily made Gold. See

The third Method is, that of Transmuting; or of turning of all Metals readily into pure Gold, by melting 'em in the Fire, and casting a little Quantity of a certain Preparation in-Fire, and catting a more Quantity of a certain reputation into the fulfed Matter 3 upon which, the Faces immediately re-tire, are volatilized and burnt, and to carried off; and the refl of the Mark turned into pure Gold. Now, that which works this change in the Metals is call'd the Philosophers-front. See Taxassuryarious.

Whether this third Method be possible or not is very hard to fay. We have so many Testimonies of Persons, who on all other Occasions speak persect Truth, that it is somewhat hard to fay they lye in this, that they have been Masters of of the Scerer. All required is to do that by Art which Nature does in many Years and Ages. For Lead and Gold do but differ litin many Xears and Ages. For Lead and Gold do but differ lite in Weight. Therefore there is not much in Lead befile Mercury and Gold. Now, if I had any Body which would to agitate all the Patts of Lead, as to burn all that is nor Mercury therein; and had fome Sulphur to fix the Mercury; wood do to the Miss remaining be converted into Gold? There woo is not the Main remaining the converted into Gool ? I net is nothing in Nature to beary as Lead; Gold and Mercury only excepted. "The vident, therefore, there is founthing in Lead that comes very near to Gold. But in Lead there is fome heterogeneous Matter independent both of Mercury and Gold. If now 19 Ounces of Lead be difficived by the Fire,

Gold. If now 19 Unnees or Lead be distoived by the Present and 8 Ounces be thus deflived by which lave good Gold; the Ratio of Lead to Gold being as 11 to 19. If then the Philipphers/one can parity the mercurial Meetal in Lead, fo as nothing fliall remain but the pure mercurial Body, and you can fix and coagulate this, by means of Sulphur; out of 1. Ounces of Lead you will have 12 of Gold. Or, if you re Offices on Lead you win save it at the Colon. Not, so you the Colon to the Colon to

units little to the mercural flosty of the Metals, volatilise and cleares of all that is impure therein, and leaves nothing but cleaned of all that is impure therein. I and leaves nothing but the metal of the metals of the met

PRILOSOPHICAL Month.
PHILOSOPHICAL True.
PHILOSOPHICAL Transactions.
TRANSACTIONS.

PHILOSOPHICAL Egg, among the Chymitts, is a thin Glafs Veficl, or Bubble, of the Shape of an Egg; with a long Neck or Stem 1 uffect in Digefilions. See Dioexerton. PHILOSOPHICANG, the Act of confidering fome Object for Koupelbles, represents its Description.

of our Knowledge; examining its Properties, and the Phono-mena it exhibits; enquiring into their Caufes or Effects, and the Laws thereof: the whole conducted according to the Nature and Reason of Things; and directed to the Improvement Knowledge.

Moon gravitates towards the Earth, alfo, according to its Quantity of Matter, and the Sea again gravitates towards the Moon and all the Pisness and Connect gravitate toward each other: It may be affirmed univerfally, that all Bodies gravitate toward each other in the Creation. This Rule is the Foundation of all "PhiloSophy.

PHILOSOPHY, PHILOSOPHYA, the Knowlege or Study of Nature and Morality, founded on Reafon and Experience.

Sec KNOWLEGE.

See K. NOWLEGE.

\*\*Philopoly owes its Name to the Modelty of \*\*Dyrhagoras\*,
who retuded the Title \*\*orph\*, crife, given to his Predecellors
Thates, \*\*Pherecydes\*, \*\*Ee. as too alluming 3 and contented himfelf with the Application \*\*st goddenses, quaff suchs its orphs\*, a Frants or Lever of W/Your. Name from pale, south, and configurate the Property English, the Action of the Configurate the Property English, the Action of the Configurate the Configuration of the Configuration of the Configuration of the Configuration of Wijs, and in line thereof tool, that of Prolifophers. For International Configuration of the Configuration of th Friend or Lover of Wifdom

eolsteres, took fo well with other Authors; that whoever ex-celled in any thing relating to Widdom or Knowledge had no other Appellation. Accordingly, Scratzs; Plats, U.S., ever refining than the Welling Title of Stylets. See Sorniers. The Word Philippley is utid in various Significations among ancient and modern Witers: I lair laxer Sent, is fig-nifies the Lore of Tribit, thus Plats frequently cells in Phila-ing the Conference of the Philipple of the Philipple of the Williams.

letkeis.— In other Places it fignifies the Knowledge of many Things: Thus Zino calls Philosophy vardends Comprehen-fion; because comprehending all Truth: Agreeable to which pms; occasie compresencing an areath: Agreeacie to which is Corro's Definition of Philospher, etc. He who studies to know the Natures and Causes of all Things human and di-vine, and to attain to every good Rule and Method of

Life. In a firstler Scale, Philosophy is frequently confind to fome Science, or Brunch of Science, v. g. to Legie, as we find in Platia and Affigietis; to Playibles, or the Knowledge of Nature, in which Scale it was chiefly wied in the Spois School; and to Ethick, or the Rules of Monthly Thus Cleaners' Allestands, relates, that among the Greeks there are Philosophers who beld Lightens above France.

Falledisphere with held Higheren aloue Ferrier.
Agrecably hereof Projections defines Their Agrecably the Projections of their Projections of their first of Them; by which, according to False and General is meant an Albacteria. A straight of their first of their the Schooler Neversets, a terrwards call of the Academick School, and among the Stoickt. See Academick and Stroten.

Lattly, Philosophy is frequently uled by Philosopers and Plate to Metaphylicks, or the Knowledge of God, which Plate calls the true Philosophy, others the Prima Philosophy and in refpect whereas, the Platonift call all other Philosophy, Neuroscient Conference on the Philosophy of the Philos

Nelturnal, podero essentia.

Gali timilates at the feveral ideas hitherto delivered, under this one general Delications i Philisphy's is the Knowledge of things Noteaul, Neural Patents, and translitated to see the Henour of the Creator, and the Good of the Universe. That Deficition of Egil Fats is previyed completeliers: Philipphy conflict in three Things; the Practice of Precept, the Rection of Precept, such the Food of Precept.

nogago constitu a three Thiongs y the Fradlete of Precept, the Regime of Venezu, and the Prot of Process.

Regime of Venezu, and the Prot of Process.

Regime of Venezu, and the Prot of Process.

Regime of Venezu (Prot of Venezu). Printiplys, for they, became lapient under Departage (Prot under Egizents), the Protections under Departage (Prot of Venezu).

Regime of Venezu, filtered under Character, Desaglie et under Central Service under Mertheren, Einstelle et under Central Service under Mertigens, Einstelle et under Central Service under Mertigens (Protection under Departure).

Regime of Venezu, filtered under Character, Desaglie et under Central Service under Central Service und Service und

Object are Spirits; their Nature, Properties, Effects, Sc.

ce Spirit and Primartices.

The Second confiders Matter and material Things; its Obects are Bodies, their Properties, Laws, & See Bony and HYSICES

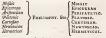
peds are Bodies, their Properties, Laws, Gr. See Boor and
The Third coursed to each indifferently, in Object are
sither Body or Spins. See May are research
in the Chest of our Differency, of Arrival at the Knowledge
The Chest of our Differency, of Arrival at the Knowledge
The Chest of the Chest of the Chest of the Chest
from the two conflicted togethers after an Acquaintence with
God, ourtilers, and annual Bodies, we come to conflict
and thus form a Sort of waverful Fifting Prop. or Fortiges of English of the Chest in general. See Corporaryer, Know, Lastence, 16c.

The in maching, or Isyling Sown their German Bornelse
The Chest of the Chest of the Chest of the Chest
The Spins of the Chest of the Chest
The Spins of the Chest of the Chest
The Che

Practical Philosphy, is properly Ethicks alone, or the Method of leading a virtuous and happy Life: Yet, most Authors divide is into two, antwersby to the two Sorts of human Actions to be directed thereby, viz. Legicks, which govern the Operations of the Understanding. See Lous case and Understanding. And Ethicks properly fo call'd, which direct those of the Will. See ETHICKS and WILL.

# Moral PHILOSOPHY & See SMATURAL.

PHILOSOFHY is also frequently used for the particular Doctrine, or System of Opinions, broach'd by force confiderable Philosopher, and espoused and adhered to by his Followers. See System and Hypothesis. In this Senfe we fay the



PHILOSOPHY is also used for a certain Manner of Philosohizing; or certain Principles, upon which all the Enquiries tereby made, do turn. In this Senfe we fay

Sorby:
SOFHY.
SOFHY.
Machanical Philosofhy.
Soc Such Machanical Philosofhy.
Expression of the control of the co SOPHY.
Mechanical Philosophy. Experimental PHILOSOPHY.

PHILOSOPHY, again, is confider'd with regard to the Age, or the Place wherein it was taught. In this Senie we fav

Scholaffick or School PHILOSOPHY. See SCHOLASTICK. New Pustosoruy, 85c.

PHILTRATION, or FILTRATION, the Separation of the finer Part of a Fluid, from the Coarfer; by paffing it through a Fittre, visc. a Linnen Cloth, Shammy Skin, Brown aper, or the like. See Filtration.

PHILTER, PHILTER, PHILTERM, in Pharmacy, Sc.
Strainer, or Filtre. See Filtra.

a Strainer, or Filtre. See Filtre.

PHILTER, OF FILTRE, is dlu udd for a Drug, or Preparation, which 'tis pertended will excite Love. See Charac.

Philters, are diffinguidful into rers and furnium: The Spurious are Spells or Charma, fuppored to have an Efficie beyond the ordinary Laws of Nature by foom magnle Virtue plant are those faid to be given by old Women, Witchen, Eff.

See Magica and Wircheraft.

by four natural and magnetical to work their lines by four natural and magnetical for their are many grave Authors who believe the Reality of There are many grave Authors who believe the Reality of their Sentiments: among the rest, Pins-Rebuston, who show that upon holding a certain Hard in his Hand for fome time, and taking afterwards a little Dog by the Boo with the Hand; the Dog follow? him wherever he wont, and quite Hand; the Dog follow? him wherever he wont, and quite

deferted his former Mafter.

defected his former Maller.

He adds that Philipse only demand a Conformation of Munia; and on this Principle accounts for the Pharmonean of Love mentplanted by the Teach of an Horb; for fays he, the Heat communicated to the Herb, not coming alone, but animated by the Emmantions of the natural Spirita; determines the Herb towards the Man, and identifies it to him. mines the Heri towards he having, the attracts the Spirit of the other Object magnetically, and gives it an amorous Mo-

the other copiet magnetically, and gives than amorous Mo-tion. See Mustia and Transflantation.

But this is mere Cant; and all Philters, whatever Facts may be alledged, are mere Chimera's. aturalists ascribe an Effect somewhat of Kin to that of a

Naturalitis atente an Effect Iomewhat of Kin to that of a Philire to Casthoridet, taken inwardly theke, this true, tend to excite love, or rather Luft: but 'tis Luft in the General, not determind to any particular Object; and they do it no otherwife than by irritating the Fibres of the Norres and Mul-cles, by whole Action the Emiffic Stanius is effected. See CANTHARIDES.

The Word Philire is form'd from the Greek enders to love. PHIMOSIS, in Medicine, a Difease of the Penis, where-PHHMOSIS, in Medicine, a Direct of the Pents, where-in the Preputium is glued, or fitnogly confiringed upon the Glans; fo as not to be capable of being drawn back, to un-cover the Glans. See Grans and Parevuez. The Word is also uted for a Difease of the Eyes, wherein the Eye-lids are fo bound together by the Mediation of fome

glatinous Matter, as not to be open'd gintinous Matter, as not to be open a.

The Word is Greek, and properly figuifies a Ligature with
Packthread, sisses, denoting Packthread.
Sometimes a Physiofic conceals Shankers on, or about the

Glass; and fornetimes is fo violent as to prevent the flowing out of the Matter, whence it causes an Inflammation or Mor-

out of the Matter, whence it clause an innamination or inclination of the Pincetation of the Control of th

to cut.

Philipsonny is a Manner of Evacuation of the utmost Im-prance in Medicine, an Idea of its Effects, with the Reason

portuncie in Medicine, an Idea of in Efficie, with the Reefic of in UR may be exceed video what followerser, while it in UR may be exceeded the what followerser, while it thrikes upon the antecedent Bood, and drives it forwards, running in to Plast of its own Mondon, and it therefore for must of the Efficiency of the Common of the Efficiency of the Efficiency of the Common of the Efficiency of the Solicients, will be left handed in its Mondon the one state away by the opening of that Vict, these remains be-had a lefter Quantity in the callury Yen, or left is contain-ted that the Common of the Common of the Common of the hand is the Common of the Common of the Common of the hand a lefter Quantity in the callury Yen, or left is contain-ted that the Common of the Common of the Common of the three Common of the Common of the Common of the three Common of the Common of the Common of the Common of the three Common of the Common of the Common of the Common of the three Common of the Common of the Common of the Common of the three Common of the Common of the Common of the Common of the three Common of the Common of the Common of the Common of the three Common of the three Common of the Common of the Common of the Common of the three Common of the Common of the Common of the Common of the three Common of the Common of the Common of the Common of the three Common of the Common of the Common of the Common of the three Common of the three Common of the Common of the Common of the Common of the three Common of the three Common of the three Common of the ed between the tatther Extremity of the axiliary Artery and the Heart, than was before: therefore the Blood being let out by the Vein, the Remainder in the Artery will be left impeded in its Motien than before. See PULSE. Hence the Blood of that Artery which communicates with

Hence the Blood of that Artery which communicates with the Vietin that is opened, will flow with a greater Velocity after the Aperture is made than before. Confequently, while the Blood is flowing out of the Vein in the Arm, that thrown out of the Heart into the Aorta, will find lefs Refifiance in the afficeding. Trunk; than in the Deferoading, and will therefore flow failer in the Afficeding, than in the defeending that the Artery of the Affice and th

right Subclavian Artery than in the left,

right debelvirus Arrey than in the left.
Lally, is knew, purpose, that the Blood Jeing let out of
Visit Mr. Lally, is knew, purpose, the the Blood Jeing let out of
Visit Mr. Larly grant with a great Vectory into the Arrey of
that Arm that is condiguous to it, than though the throad.
Arrey, or the right Scipulary, which is likewife compones
to the state of the state of the state of the state of
the state of the state of the state of the state of
the state of the state of the state of the state of
the state of the state of the state of
the state of the state of the state of
the state of the state of
the state of the state of
the state of the state of
the state of the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state of
the state o Hence it is mainted, that the 1900cd being are out of a Vein in the right Arm; the greatest Velocity of the remaining Blood will be in the Artery of that Arm, because it immediately empties its Blood into the Vein that is opened; and the next

The true Philtres are those supposed to work their Effect greatest Velocity will be in the thoracic Artery, or Scapolar fome natural and magnetical Power.

The true Philtres are those supposed from the axillary Artery, or Scapolar by of the same Side, going out from the axillary Artery. greatelt Velocity will be in the thoracic Artery, or Scapular ty of the fame Side, going out from the axillary Artery. But the Velocity of the Blood will be far left in the bracking Axillary, and thoracic Artery on the left and opposite Side, and least of all in the Arteries arising from the descending Trunk of the Aorta

On this View it may easily be gathered, what is to be done On the vew it may cany be gathered, what is to be done in the feveral Circumflance of Bhote-kiring: For initiance, if we would prevent the Increase of any Humour from the Blood flagmaning in the left Leg, or bring it about, that as little Blood as possible, flouid flow to that Leg in any given figace of Time 5 stift, Blood is to be taken from the Arm or Leg of the right Side, because this is truly making what is

Again, if Blood be drawn away on the fame Side, and am forne Vein that receives the Blood from a Branch of at Trunk which transmits it to the swell'd Part; it will occafion a greater Derivation of Blood to that Limb.

As to what relates to the whole Habit; in all Lentors and feidities, if there be a due Strength and Elasticity remain-As to what related to the Whole state(); in all Lenoors and Virkiddites, if there be a due Strength and Elafficity remaining in the Solids, Philobotomy will make the remaining Blood circulate the fafter, and become thinner and warmer; but in a Pletchera, from Debauch, and too large Quantities of fujritimous Nourilliment, or form a Diministrion of Peripistrion, where the Blood yet retains its natural Fluxillity, Philobotomy will make the remaining Mass circulate flower, and become cooler.

In the former Cafe, a Diminution of the Resistance in the load-Vessels, will increase the contractile Powers of those Broot-veries, win intense the contractine rowers of more Verfein, and make them bear failer, and circulate their Con-tents with greater Velocity, but the latter Cafe a Diminu-tion of the Quantity of a Spirituous Blood will leffen the Quantity of Spirit fecreted in the Brain, the Confequence of which will be that the Heart and Arteries will not contract fo often nor fo firongly as before, and therefore the Blood will move flower, and become cooler. See Heart and Arter. And on these Things depend the whole Doctrine of Blood-

And on their 1 mags septem are word representations. See Eventual Research Section 2. The Head of the

In the Dittillation of Vinegar, as also of all Minerals and inodorous Vegetables, The Margon comes our fift; in that of Wine lait. See Dispitit ATION. This Things in Supported to be the common Vehicle and Diluter of all idold Beddee; and in propertion to its Quantity in the Mixture, are the other Parts more languid and diffabled in the Subtrare, are ine other Parts more languid and diffibled in their Attractions; yet, on the Chymilts Principles, Philogram floor'd be a Principle of Action; as being necessary to the Diffiolation of the Salt in Bodies, without which the Salt mult remain inactive. See Salty.

It is much to be question'd whether this Phigm can ever be procured without any Mixture of other Matters; that which has the least must come nearest to the Nature of a Principie; and on that account Rain-water flou'd afford it moli.

\*Phiegm, Bearbasus observes, drawn by Diftillation from Philogy, Burchasev obferres, drawn by Diffillation from Orgenthele, does alwayscary with if from what of he Smell of the Vegetable, which it detives party from the Oil, and party from the Spirit reliding therein. The fame 2 legan, and principle of the party of the Company of the Smell, and appraches nearer to pure Water, but never be-comes perfectly pitch. Add, that the purell diffill Water, if expoled a few Days to the Sun, is much changed, and metaled turbids.

render'd turbid.

That Polycy as not an elementary Body, Mr. Bryle super-from in different Powers and Properties; the Polycy of Ware, and med Layous, have Qualities have the been been Ware, and med Layous, have Qualities have the been been Vinich that Author obferres is an efficient Remeny against Barney and a valueble Norleam for discloring hard Tumours that of Vinegar will extract a Succlasive Sweement out of Lead, and even diffice Corals with long Digettion yand that of Super of Lead, it hild to diffiore Pearls.

The Differ, the Characters which was a second super-turbation of the Coral second super-turbation of the Coral second super-turbation of the Coral second second second super-turbation of the Coral second second

In Effect, the Characters which ierre to domentures a zow of Phéligue, or Water, among the Chymilits, are Inlightlity and Volatility; yet, Quick-filver has all thefe, which no Body pre-tends to be Phéligue. Add, that it appears from feveral Experiments, that Water itleff, by repeated Diffilliations, may be converted into Earth. Tet Water, the fame Author observos,

has a much fairer Pretence to be an Element, than any of the

tria frims.
Add, that as to the Qualities which occasion that Name to be given any visible Sublance, vie. its being Flukl, Inflight, and inederous as we have never yet feen any of these feparated Sublances, which the Chymrills call Phicas, perfectly defitiuse both of Tatle and Smell.

Gettime both of Tatle and Smell.

defitirate both of Taffe and Smell.
Common Salt, and feveral other faline Bodies diffilled
ever fo dry, will each yield a large Quantity of Phlogm;
which can no other way be accounted for, but from this, thus
among the various Operations of the Fire, on the Matter of a

Shape and Size, requifite to compose such a Liquor as the Chymitis call Philips, or Water.

Philips M, in the Animal Occonomy, is one of the four Hamours, whereof the Ancients supposed the Mass of Blood to consist. See Humours, and Staop.

Philips is the Same that is otherwise called Pinnin. See

PHLEGMAGOGUE, a Medicine proper to purge,

Phigm or Pituits. See Purcarive.
Agaric, Hermodactyls, Turbich, &c. are Phigmagegues.
The Word is form'd from the Greek paifus, pituits, and

PHLEGMATIC, a Temperament wherein Phlegm, or Pituita, is the prevailing Humour. See Temperament and PHLEGM.

Phlegmatic Conflications are subject to Rhennus, Deflu-

Philogometic Confinences are moject to execution, occur-tions, ch. see Constitution.
PHILEGMUN, in Medicine, a general Name for all Tu-mors form of the Blood. See Tusors.
An Inflammation, attended with a confiderable freeling. of the Part, conflitntes a Phlegman. See INFLANMATION If the Blood be good, and landable, and only peccant in Quantity, 'tis call'd a true Phlegmon.

When corrupted and adulterated with Bile, or Pituita, 'tis call'd a battard Phicgmon'; in which case it participates of the Erefyzela, Oedems, or Schirras.

The Blood here extravalated produces a Heat, Redness,

The Blood here extravaled products a transport of Tenfon, Renitency, Pulfition, and great Pain.

The Bubo, Carbanele, Furuncle, Puffles, and other Tubercles ariting from the Blood, are all reducible to the Phileg-

bercles arting from the Blood, are all reducible to the Phileg-mon. See Buso, Carbuncts, Ce.
The Ophthalmia, Parotides, Squinancy, and even Pleu-rilly and Peripneumony, are Species of the Philegmon. See each mader is proper Article.
The Word is form'd from the Greek extyne, to cause an

PHLOGOSIS, in Medicine, a Degree of the Ophthalmia.
When the Inflammation of the Eye is light and gentle it is rall'd a Phlogofis; when very fevere, Chemofis. See Oph-THEFT

PHLYACOGRAPHIA, among the Ancients a merry and burlefque Imitation of fome grave and ferious Piece; parti-cularly a Tragedy traveflied into a Comedy. See TRAVESTY.

The Word is form'd from the Greek gandless, magari, to

trille.

PHLYCTENE or Phlycrenes, little white itching Veficular, artifus on the Skin, chiefly between the Fingers, and about the Wrift, and full of a limpid Serum.

They fometimes degenerate into the ltch, and fometimes into Tetters. See Terris, Gr.
They are curred like other cutaneous Eruptions. See

PSORA and PUSTLE. PHLYCY EN E are also little ulcerous Vesicles, arising etimes on the Adnata, fometimes on the Cornes, of

the Eye, like fo many little Bladders full of Water; po-pularly call'd Blifters in the Eyes.

pularly Cutl Bifders in the Est.
They have like Grins of Millet; and when produced
by a harp correcting Humone, occidion violent Pains: The
Fellits on the Alease are red; hole on the Carea.
They are cured by Executions and Extincate.
They are cured by Executions and Extincate.
PHILYSTENG OF IL 1972 BY A. Minddien, a Distance
which produces Deboy, failed a ferous Humone. Go Buso.
The Philyters is all off Pore—The Babels it needloss
are formerizations big. 18, 1940 Dates, or any oldered mildelith. Generally the Control of the Control

The Harmone of the Control of the Control

The Harmone of the Control

The Ha

Flesh frequently appears ulcerated under 'em.

They are usually occasion'd by a hot, tharp Humour, and arise on all Parts of the Body; but are most dangerous on

arife on all Parts of the Sooy; Due are more unspectation of the Cornes of the Eye.

The Word is form'd from the Greek gades, galk of garlens, both bobble, Cre.
PHOENIGMA, a Medicine which raifes Rednefs, with Billiers, on the Places its applied to. See Elerrate, Ore. Such are Muffard-Sood, Pepper, Veficatories, Cre. See

Phanigma's are applied to draw the Humour to the Part they are applied on, and divert it from the Part affected,

The Word is form'd from the Greek print, red,

PHOENIX, in Aftronomy a Confediation of the South FROMENS, in Autonomy's Contension of the Southern Henrigheer; unknown to the Ancients, and invifible in our Northern Parts. See Constrail\_trion.

The Confiellation took its Name, and Form from that of a Bird famous among the Antients; but generally look'd

and Confession of the State of

VOICE. In ancient Greece, there were Combats, or Conteffs, effablish'd for the Voice, as well as other Parts of the Gym-

fice. See GYMNASTICK.
These Combats were still held in the Time of Galen; dit was these that brought the Phanafeia into Vogue.

and it was their that brought the Phonogles into Vogne.

The Word is form'd from the Greek peak, Votice the Hence the Mufters of this Art, or thole who taught that of managing the Voice, were call'd Phonogles's under whole Tatorage were put all thole definid to be Orators, Singery, Comedians, &c.

PHONICKS, the Doctrine, or Science, of Sounds; otherwise call'd Amountains, and the Company of th

revolved a few field. So Acoustics, or Science, or Sounds; other-wife called Acousticks. See Acousticks.

The Word is derived from the Greek sorth, Sound.

Phomicks may be confidered as an Art, analogous to
Opticks; and may be divided, like that, into direct, re-

fraited and reflected.

These Beanches the Bishop of Ferns, in alluston to the Parts of Opticks, denominates Phonicks, Diaphonicks, and

Physicks is improvable both with regard to the Object; and with regard to the Medium or Organ.

As to the Object, Saund, it may be improved both with

and with regard to the recomm or urgan.

As to the Object, Sausa, it may be improved both with regard to the begetting, and the propagating of Sounds;

The first, in speaking, or pronouncing, in whittling, or finging, or holowing, or laring, which are all distinct Are and all improvable.—The second by the Pusition of the sounds. orous Body.

With regard to the Medium, Phonicks may be improved With regard to the Medium, Phomicis may be improved by the Thinness and Quicierncy thereof, and by the fonorous Body being placed near a fmooth Wall, either plain or archd, epically cycloidally or clibrically, bennee the Theory of Whitpering, Places. See Whitspassisson. Add to their, that by placing the finorous Body near Water, its Sound is mollified; that by placing it on a Palis, the Sound is convey of to a greater Diktance than on

novem Ground is convey to a greater Luttance than on uneven Ground, o're. See Sound.

As to the Organ, the Ear: It is help'd by placing it near a Wall, (especially at one find of an Arch, the Sound beginning at the other;) or near the Surface of Water, or of the Farth.

And by Inframents, as the Stantorophonican, or Speaking-rampet. See Speaking-Thumper. By an Inftrument to help weak Ears, as Spectacles do

By an Infframent to help weak Ears, as Spekthets do Flys's by an Inframent to kise in widly remote Sounds, Flys's by an Inframent to live in widly remote Sounds, ing Ear-Inframent; by a Polyphone or multiplying Ear-Inframent, See Eas, Cr., Complimate, or Refelect Heartins, may be improved by Complimate, or Refelect Heartins, may be improved by Sound falling either directly or obsquely, on any densile Body, of a finooth Surface, whether pitin or archd, is been tank again, or refelected, it one secton more or lefs.

е Ессне

ee ECCHO.

PHOSPHORUS, a Matter which shines, or even burns, pontaneously, and without the Application of any sensible size. See First and Lieur.

The Word is form'd from the Greek \$66, Light, and

pa, I carry.

Phosphorus is either Natural or Artificial.

Natural P H O S P H O R I are Matters which become lu-

minous at certain Times, without the Affiftance of any Art, or Preparation. and or respection.
Such are the Glow-Worms, frequent in celd Countries; Flies, and other thining Infects, in hot Countries; rotten Wood, the Eyes, Blood, Scales, Pieth, Sweat, Festhers, Cr. of feveral Animals; Diamonds when robbd after a certain manner; Sugar and Sulpher when pounded in a dark Pixe; Sex-Water, and fome Mineral-Waters when p 1

PHO

briskly agitated; a Cat's or Horie's Back, duly rubb'd with the Hand, &c. in the Dark; nay, Dr. Cross tells, that upon rubbing his own Body briskly with a well warm'd Shirt, he has frequently made both to finine; and Dr. Showa adds, that he knows a Brigod Gentleman and his Son, both

whose Stockings will thine after much walking.

All Natural Phosphori have this in common, that they don't thine always, and that they never give any Heat-

ee NOCTILUCA

But that which of all Natural Phosphori has occasioned the most Speculation is the Barometrical or Mercurial Phos-

Barometrical or Mercavial P H O S P H O R U S.—M. Picard first observed that the Mercury of his Barometer, when shaken in a dark Place, emitted Light, with this Circum-funce, that in flaking the Mercury with Rapidity, some times above and sometimes below its Equilibrium with the times apove and sometimes below its equalibrium with the Air, the Light is only seen when below it, where it ap-pears as if adhering to the upper Sorface. But this Light is not found in the Mercury of all Baro-

meters, which occasions a great Difficulty.

M. Bernsulli, upon examining the Circumstances of this Phenomenon, invented a Solution of the same: He imapol. aeromous, upon examining the chromatiness of this giant hat upon the Mercury's defecting, the Festivas in the Toble increasing, there is lies out of the Mercury to fill up this Excisi of Vestight, we try the fields Matter better at the fame time there is the state of the Mercury to fill upon the first of the Mercury to fill the model of the Mercury to fill the model of the Mercury to fill the first of the Mercury to fill the fine the Mercury to fill the fine the Mercury to fill the Mercury to the Mercury to

This Reasoning was confirm'd from the Experiments of several Barometers which he made according to this Plan; but the Royal Academy of Sciences, who repeated the Experiments with Barometers made after the fame manner, did not meet with the same Success; the Light being found

in some not in others

old not meet with the lame Success, the Light Semp Joses M. Hankey the store confidence in the different Qualities of the Quickfure: In forces, he othered, he wile Quick-line to purfy it; he meets, he othered, he wile Quick-line to purfy it; he meets, he othered, he wile Quick-line to purfy it; he present the purfy of the present the purfy of the present the purfy of the purfy of

not at all necessary.

And, laffly, from other Experiments he found, that Mercury enclosed in Water, which communicated with the open Air, by a violent thaking of the Veffet wherein it was enclosed, emitted Particles of Light in great plenty, like little Store By including the Veffel of Mercury, O'c. in a Receiver,

and exhausting the Air, the Phanounenon was changed; and, upon shaking the Vessel, instead of Sparkles of Light the whole Mas appeared one continued Circle of Light. Artificial PHOSPHORI are such as owe their luminous

Outlify to fome Art, or Preparation.

Of these there are three Kinds: The first burns and confumes every combustible it touches; the other two have ne fensible Heat.

no fenitate Heat.

The first, or Burning Phosparus, may be made of Urine, Blood, Hairs, and senerally of any Part of an Animal that yields an Oil by Diffillation.—The Matter it is most easily drawn from is human Urine.

The of a sulfacility Command of the Confidence of

ly drawn from is human Urine.

Tis of a yellowifn Colone, and of the Confiftence of hard Wax, in the Condition its left by the Diffillation, and in this State is called Polybour Fulgerons, from its Corructations; and Polybour Sugarons, from its Corructations; and Polybour Sugarons, because its Light is frequently green or blue, especially in Places that are not very dark; and fidid Pholyborus from its Confiltence,

It diffolves in all Kinds of diffill'd Oils; and in that ate is call'd liquid Phosphorus.

It may be ground in all kinds of fat Pomatums; in which

Case it makes a Imminous Unguest.

So that the Phosphorus fulgurans, Smaragdinus, Solid and Liquid Phosphorus, and Luminous Unguest, are all the same

Lépaid Pollyburg, and Limment Vingame, are all the fine Drug, under different Graumthout Committé of the EleChe of Saxway brought into Former by M. Kreft, a Phylician of Porfelow, by World in 100, M. Kreft, a Phylician of Porfelow, by World it was communicated to Me. Boyl in 100, M. Kreft, a Phylician of the Comment of

Preparation of the Solid Phofphorus, or Phofporus of

Evaporate a good Quantity of Urine of Beer-Drinkers to the Confiftence of Honey. Cover it up in an Earthen Vef-fel, and fet it three or four Months in a Cellar to ferment and putrify. — Mix a double quantity of Sand, or Powder of Pot-fhards with one Part of this Urine; put it into a Retort, fitted to a long-neck'd Receiver, with two or three Retors, fitted to a long-neck'd Receiver, with two or three quart of Water.—Diffil it in a nided Fire in a reverbent-tory termec; at first gently; after two Hours, augment the Relation of th and unloofe the Veffels; and throwing more Water into the Receiver flake all well about to loofen what flicks to the Sides.—Pour the whole into a Glafs-Veffel to fettle. The Volatile Salt will now diffolive in the Water, and

The Volatie Salt will now diffolve in the Water, and the Phylpherus and Oil link to the Bottom; pour off the Water, and gathering the remaining Matter together, pot it into a Glab-Veffel with a little frelh Water; and digeft it in a Sand-Heat flirring it from Time to Time with a ooden Spatula.

wooden Spatish.

By this means the Philiphoran will lifeparate from the Oil, by this means the Philiphoran will lifeparate from the Oil, the Philiphoran will be of the Philiphoran will be often will be of the Philiphoran will be of the P

To make it more directly, and to the best Advantage, it may be proper to take a sufficient Quantity of human U-rine, assorded by a Person not much given to drink Wine, tries, affected by a Person not much given to drink Wine, and entheir kasay in an open Veilit to Rob, or the Commend entheir kasay in an open Veilit to Rob, or the Compon Dillikation it will afford have Proportion of Satt, asker which, if first times it gown Quantify of Sand, or licked Dail, be added to the Remainder, and the Dillikation is the Commend of the Commend of the Remainder, and the Dillikation is the Robert of the Remainder, and the Dillikation is the Robert of the Remainder, and the Dillikation of the Robert of the R Distillation with Sand

If with the Properties of the folial Pholyborus.

18, With this Pholyborus one may write on Paper, as with a Pencil, and the Letters appear like Flune in the dark; yet in the Light nothing appears but a dim Smook, zdy, A little Piece rubb'd between two Papers, takes Fire inflantaneously.—If Care be not taken in the Manger ment of it, there is danger of burning the Fingers, the Phoment of it, there is danger of burning the ringers, the ring-fisherus being exceedingly inflammable. See Fixs., 3dly, its burning is very vehement, and penetrates deep-er into the Flesh than common Fire; and 'tis very difficult

to be extinguish'd

to be extinguished.

M. Caffar happening to prefix Piece in a Cloth between his Fingers, the Cloth immediately took Fire; he ended you'd to put it out with his Foot, but his Shoe caught the Flame, and he was obliged to extinguish it with a Brafs-Ruler, Flame, and he was obliged to exclude in a substitution which caft forth Rays in the Dark for two Months after.

The

The field Philiphone never fpoils, provided it be kept in goes divers Coclious, Torcefictons, Calcinations, Diffile a Philof field of Water; that is form of an Ungenet does lathons, Gz. in the Courle whereof a considerable Quantum of the Courle of the Co

Experiments with the Liquid Phosphorus.

By washing the Face, Flands, or the like, with the Liquid Phosphorus, Dr. Sare tells us, they will be made to thine very confiderably in the Dark, and the Lattre thereof be communicated to adjacent Objects, yet without any Ofto the Skin

As foon as a Candle is brought in, the Shining disappears,

As food as a Condie is prought in, the Shining chappears, and no Change perceivable.

This Phosphorus emits frequent Flashes like Lightning, wen when close stopped; especially in warm Weather, tence Mr. Boyle takes occasion to draw a Parallel between Lightning and Phosphorus.

The focond Kind of Artificial Pholyborns, is a Prepara-tion of a Stone call'd the Robinson Stone, from a Cary of that Name in Any and which it is Good Stone Luminous, which was a comparation of the Cartesian Compara-tion of the Cartesian Comparation of the Portra, Letteria, was a Caymilt of that City call'd Finenze Colinaria, Parran, Letteria, Car, have deficited the Process, but mi-thakenty: W. Hindows, who made a Journey to Andy ex-perify to learn the Preparation, first (communicated the lance to M. Lenery, who publish it is the right Riddeo of the Caymilty. See the Method under the Article Boo. NIAN Stone.

NIAN Steen.

This Fleighners has not any fenifile Heat; and only becomes tuminous after being enpoid to the San, or the Daycomes tuminous their being enpoid to the San, or the DayLight free of fix Minnous in the dark, during which Time
is dwindles; and to recover its Light must be crapded a
The third Kind of Pleighners all the Hermetic Prostructure or Prospitotis Faldenin; is a Preparation of
Englis Challs, with Angorderic Spring Vinter by the Fire
Spring Challs, with Angorderic Spring Vinter by the Fire
Spring Challs, with Angorderic Spring Vinter by the Steen
Stone; but it has all the Qualities thereof.

It has in Name from 1s Invector Englise, a CremaClymidi, call'd Hermet, in the Society of the Nature Chridgenes, whence the other Khare Liender.

Some of the late Chymists have hit on other Sorts of

Some of the late Cutymuss nave me to "Plessfown", Mond. Hembers, in a Proceis upon the Feeal Matter, Mond. Hembers, in a Proceis upon the Feeal Matter, and the perfect of the Plessfown, in form of a Powder, the letti quantity and proceed of the Plessfown, in form of a Powder, the letti quantity Afri upon a Pilece of Pless, in a Noment's Time would take Fire, and fet the Paper a simosting, and prefamily born it or any combilities hatter it came near.

This it would do, equally by Night and Day; and with-makes we heatten, or mixing it with any other things which are handless or heatter, in white it with any other things.

This it would on, equality by Negri and Lby; and without rubbing or heating, or mixing it with any other thing to promote the Inflammation; in which he observes, it differed from all the artificial Polylaber's hitherto known. For that e.g., of Urine, requires a small Degree of Warmth to enable it to finine, or take Fire; and the Balmine Stone, and Peofphorus Baldwini only shine by Day-Light.

and Polyherar Balaissis only hine by Day-Light, In Elded, M. Lewery the younger in set tength elicowed In Elded, M. Lewery the younger in set tength elicowed will affined Polyheras—This he experienced in the Seeds Ferinas, Henry, Song, Lewers, Foreov, Woods, Rosts and Che of liver Wines; the Boot and Pich of Chros, Song, Song, Park, Nulsis, and the Day of all Animals. The principal thing added to all their Matters to must quittee, and the second of the Chrosical Con-ciliance of the Chronic Polyhera of the Chronic open the Chronic Polyhera of the Chronic to, even the its yellow the Chronic Polyhera to, even the Chronic polyhera of the Chronic Polyhera to be the Chronic Polyhera of the Chronic Polyhera to be the Chronic Polyhera of the Chronic Polyhera to be the Chronic Polyhera of the Chronic Polyhera to be the Chronic Polyhera of the Chronic Polyhera to be the Chronic Polyhera of the Chronic Polyhera to the Chronic Polyhera of the Chronic Polyhera of the Chronic transport of the Chronic Polyhera of the Chronic transport of the Chronic Polyhera of the Chronic Polyhera to the Chronic Polyhera of the Chronic Polyhera of the Chronic transport of the Chronic Polyhera of the Chronic Polyhera to the Chronic Polyhera of the Chronic Polyhera to the Chronic Polyhera of the Chronic transport of the Chronic Polyhera of the Chronic transport of the Chronic Polyhera to the Chronic Polyhera of the Chronic transport of the Chronic Polyhera to the Chronic Polyhera of the Chronic transport of the Chronic Polyhera to the Chronic Polyhera of the Chronic transport of the Chronic Polyhera to the Chronic Poly

is to be made, Calcination appears to be the effential Part.

Physical Cause of the Phanomena of Phosphorus.

As to the Ranionale of the Effects, it may be observed,

As to the Rationate of the Literates, it may be overvely that in most of the Natural Phosphory, there is a brisk Attitition or Friction concerned; which we may suppose their to give the minute Parts of the Subfrance the proper Mosion and Agitation necessary to convert them into Fire, it was a concerned to the proper the proper than the property of if Fire be fo producible, (as Bacon, Boyle, Newton, and the generality of the English Philosophers have supposed it is) or to expel and emit the Particles of Fire naturally contained in them. See Fire, Flams, Fraction, After-

tained in them. See Fine, 1710N, 6%.

In the Fallitistal Sorts, we may note, that a long Process by Fire is usually required, wherein the Matter under-

eity of Fire mall necettrity be imblods, and may pounty be included to the control of the control of the fire in the control of the fire in the fire i

Water

Water, The Resion why Quick-Lime, which contains a deal of Particles of Fire, as well as our Pewder, does not conceive Heat by the Access of the Air, or the Interes in of its Molifure into the Pores thereof, but that Water moft be found, the Air Could have the Heat of the Air Could have the Air Could have the Air Could have the Molifure readily and copiously enough to excite the neceffiry Friction

And the Reason why Quick-Lime does not produce a Flame, as the Powder does, even when Water is cast on it, is, that it did not retain enough of the Oily Matter to af-

15, that it did not retain enough of the Oily Matter to al-ford Flame: For if Oil be mix'd with it, a Flame will rea-dily enfue. Mem. de l'Asad. Am. 1711. PHOSPHORUS in Alfronomy, is the Morning-Star, or the Planet Venus, when the goes before the Sun. See Venus; The Leains call it Lucifer. The French, Ecoile de Berger, The Greets, Phofiphorus, from 646, Light, and 6490 I bears,

PHOTASCIATERICA, a Term fome Authors use for the Art of Dialling. See Dralling. The Names is derived hence, that the Art not only

The Name's is derived hence, that the Art not only hews the Hours by the Shadows of a Gnonon, whence it is cill'd Scienties, from axe, Shadow; But Iometimes allo by means of the San's Light, as in Spot-Dhak, Reflecting-Dhils, Or. from spin, Lux, Light, See Dr.A.

FHOTINIANS, a Sect of ancient Hereticks, who denied the Dwinity of Yofm Chrift. See Hearters.

They took their Name from Pakinsus their Chief, Bilhop

They took their Name from Pleatinus their Chief, Billipo 6 Srymium, and Dikiplie of Marcellus.

He maintained, as Lee tells us in one of his Sermons, that Tifful Confly was tree Man, but not true God, nor born before all Ages; that he only began to be Chrift when the Halfy Ghoff decended upon him; and the he was call'd only Sen, for no other Reason but because the Virgin had no only Sen, for no other Reason but because the Virgin had no

He was convicted of his Error, and deposed by a Synod

He was convikted of his Error, and depoted by a Symod of string held at Sormium in 321. Sormium in 251. Sormiu

See SYYLE.

The Word Phrafe is fometimes also used for a short Sentence, or small Set or Circuit of Words constructed together. See SENTENCE.

ther. See Sentence.
In this Sense Father Buffer divides Phrases into Complean d Incompleat.

and hecompleat.

\*\*Fledgi's see Compleat where there is a Youn and a Verb,

\*\*Fledgi's see Compleat where the Norm and a Verb,

\*\*Fledgi's see Compleat where the Norm and Verb

\*\*Longingter Fledgi's are their where the Norm and Verb

together only do the Office of a Norm, condition of leveral

\*\*Longingter Fledgi's are their where the Norm and Verb

together only do the Office of a Norm, condition of leveral

\*\*Longingter Fledgi's and which might be

\*\*Longingter Nord.\*\*

\*\*Thes, ther minds' is trees, is an incompleat Phrafic, which

might be experded in one Word, Trabs a 34 that which

\*\*Longingter Fledgi's norm of the Nord.\*\*

\*\*Longingter Fledgi's norm.\*\*

\*\*Longi's norm.\*\*

\*\*Longingter Fledgi's norm.\*\*

\*\*Longingter Fledgi's

machie Nervers, are nervous Branches derived from the Cer-vical Nervess, which joyning in a Trunk, run through the Mediatitium undvided, till arriving near the Disphragm, they again divide, and fend off divers Branches, some into they again divide, and fend off divers Branches, toome into the muscular, others into the tendinous Part thereof. See NERVE and DIAPHRAGM. PHRENIC Voidel, is a Term applied to a Vein, and fonce Atteries of the human Body; from their pailing through

the Disphragm.

The Phrenic Array arises out of the descending Arra, and distributes itself into the Diaphragm and Pericardium. ARTERY, AORTA, O.c. The Physnic Veins are two Veins which the Descending

Caus receives immediately after its piercing the Disphragm. See Vein CAYA PHRENITIS, PHRENESIS, PHRENEY, in Medicine, a conflant and vehement Delirium, or Diftraction: accompanied with an acute Fever, raving, waking, C'v. See

DELIAIOM.
It differs from the Manie, and Melancholly, in that these are without Fevers. See Mania, c.e.,
It has its Name from who, Mens, the Understanding; or as some will have it from a flus, the Diaphragan, in regard the Ancients supposed it to have its Seat in that Part. See

DIAPHRAGM.

DAPHARAGA.

"Plyticians generally make the Floranis to conflit in a Indiamanton of the Menings of the Brain; and diffinguilli it from the Fangeriari, which the pipopo it to an interest of the Participation of the American Conflict in the Participation of the Amina Spirits. He only diffinguillies them as the Indiamanton arises from the Correlation together, and confused to the Correlation (Correlation Option) of the Amina Spirits. He only diffinguillies them as the Indiamanton arises from the Correlation (Correlation Option) of the Correlation (Correlation Opti

Borrhosou makes the Phrenitis either true, wherein the Cerebrum, or Meninges, or both, are inflamed; or fympto-matic, where the Matter of a Fever is translated into the

The true one either kills on the third, fourth, or fifth, or feventh Day, or changes into a Mania, Lethargy, Comus, Cr., Tremors, Gnafaling of the Teeth, grumous Blood difilling from the Nofe, are Prognosticies of Death. Malignant Fevers; the it fometimes also arises from a Sup-

prefition of the natural Evacuations, as the Menfes, Sc.

The Cure is the fame as of an Apoplexy; but where
the Evacuations are concern'd, they mult first be rectified.

the Evacuations are concern'd, they must thue or recurson. See Apoplexy.
PHRYGIAN Mode, in Music, See Mode.
PHRYGIANS, PHRYGES, or PRRYGES, as See Special See and the Modern Modern See and the Modern See and the Modern See and the Modern See and and look'd on Maximilla and Prifeilla as great Prophet telles. See Monrouse

This Spirit of Prophecy, or rather Enthuliam, was their diffinguilhing Character. In the Bufiness of the Trinity they were orthodox.

PHTHIRIASIS, in Medicine, the Morbus Pedicularis, or Louzy Diffule, wherewith Children, and even fome-times Adults are afflicted. See Padicularis.

times Adults are attisted. See PEDICULAINS.
Its Gaile is the Seeds of that Vermin laid in the Cuticles, which here happening to grove a proper Nidars, cherilhes and foffers the Seed io as to batch it. See WOMAM.
The Linnen Cloths used by Goldiniths to wipe their Veilles with after gilding, are excellent against the Pikhirisdir by reason of the Mexicury they contain, when applied by rubbing the Gailet's Head. It is the Contains to the Contains the Conta

The Word is form'd from the Greek \$\psi\_0\$, Louk.
PHTHISIS, in Medicine, in its general Senie, is any
kind of Confumption of the Body, in what part foever it
be feated, or from what Caule foever it agife. See Con-PTION.

Thus we have a Nervous Phthifis, Renal Phthifis, Dorfal Phebia, Pulmonary Phebias, &cc.

But in its proper Sense, Phebias is referain'd to a Pulmonary Confumption, or a Consumption arising from an Ul-

h true (1400 to the Minds, or Truth fittidies the Minds, cere or other Differed of the Lungs, accompanied with a EVENT COLOR (1500 to the Minds of the Lungs, accompanied with a EVENT COLOR (1500 to the Minds of the Lungs, accompanied with a EVENT COLOR (1500 to the Lungs, accompanied with a EVENT COLOR (1500 to the Lungs, accompanied with a SPIRLENS), in Anatomy, the Displayme, See Dia-Origin in the Winter's Cold; from a Burpt Interneuer retailing a limitation of this two at the cell of the Interneuer (1500 to the Minds of the Interneuer (1500 to the Interneuer (1500 to

laling of the Hils; and a colliquative First which is foos fol-lowed by Death.

The time Author adds, that Fithight kills two thirds of those that die of Chronice Discises. See Cerronic.

In the last Suge of the Phichight the Nois appears flart, the Eyrs hollow, the Temples fallen, the Eirs coid and contracked, the Skin about the Forehood hard and dry, and the Complexion greently, or livid, 6%, which is called

and the Complexion greenlin, or livid,  $\mathcal{O}_{\mathcal{C}_i}$ , which is useful the fixet Hypersection. The Diesis may allo be reckend intemperance as it things on a Feshence or Coccloymist. Among the Casts of the Things on the Cast of the Ca all after Eating,

all after Excitage—Scholaton coders the Deflexion on the Fort the Came Scholaton coders the Deflexion on the Fort the Came Scholaton of Scholaton (Scholaton), and the Scholaton of Scholaton of Scholaton (Scholaton), and and Pedrocks to be slid, accommodities, attenuatives, and additionally, on our the Ulera-Source of the Difference, attenuatives, attenuatives, and additionally, on our the Ulera-ton (Scholaton), and additionally on the Patients need not con-fine himidit to any Laws of Dete, Crv. This alsons, he adds is almost as time a Care for a Philips, as the Ceruse for an internating Ferre. See Exacuses.

Is station to a muce 1. Learn mer a presspar, as one curries no an access to the mer a presspar and the state of the state

Bonerus holds the Phehylis to be contagious; and that here are frequently Inflances of its being communicated by Cloaths, Linnen, Beds, &c.
Pitcaire recommends Mercurius Dulcis, in the Beginning

Pittearn recomments Merearist Dates, in the Beginning of a Phibigs. And Barbette and Colbarta affect, that, contary to the Opinion of most Authors, they have frequently used Acids with Success in Phibigs. See Hectic, 67c.
The Word is form'd from the Greek #8ists, Cormption, Attenuation, Ce.
PHYGETHLON, in Medicine, is defined by Colfus, a
PHGETTHLON, in Medicine, is defined by Colfus, a
hard flat Tomor, fomewhat refembling a Puille; occasionhard flat Tomor, and fometimes a Fever. See Tusson.

nard fit I donot, concernat retembling a Partie; occalioning an intense Pain, and fometimes a Fever. See Tumon.
The Phygathim only differs from the Physia, in that ledoes not rife to high; it ripens very flowly, and produces but little Pas. See Patran.

Duthittle Pas. See PHYMA.

The Lating call it Famis, or Famus, and fornetimes Famicular—Govern defines the Physicilon, a Philosome ariting on
the glandilone Parts, effectally about the Neck, Armpits,
and Inguen; which latt is call'd a Bubo. See Philosomon,

The Physiklon has the fime Caufes, and the fime Symtoms with the common Bubo. See Buro.

It frequently arises after Fevers, and Pains of the Belly, d is cured like other Inflammation

and is cured like other inflammations.

The Word is derived from the Greek via, I engander.

PHYLACTERY, in Church-Hilfory, a Slip of Parchent, wherein was wrote fome Text of Holy Scripture, particularly of the Decilogue; which the more derout People among the Free wore on the Forchard, the Breaft, or the Neck, as a Mark of their Religion.

in the general, the Ancients gave the Name Phylotlery to all kinds of Charms, Spells, or Characters which they were short them, as Anukets, to preferve 'em from Dangers or Dieafes. See CHARM, ANULTY, O'r. The Primitive Chriftians allo gave the Name Phylatleries to the Frances wherein they incloided the Relicks of their

deed.

PHTIMA, or Parturuts, in Medicine, a croudili polined Tunote, selfing on the Consolider Parts, effectility under the Three Physics in fulling and intocher; he for all an pinels, than the Divigatilities. See Hermore Parturuts in The Physics is funding and intocher; he for all an pinels, than the Divigatilities. See Hermore Parturuts in the Hermore Parturuts in the Wort of Manustrion; as, by a inpurerising Castronia Book and most common in California, where it for quantity artifus from two cight Bandages.

The California Parturuts in the California Parturuts in the California Parturuts in the California Parturuts and California Partu

PHYSIC, or PHYSICK, the Art of Healing; properly called

For the Rife; Progress, Division, O. of Physic; See Mir-

The Word is form'd from the Greek wire, Nature; in regard Medicine confifts principally in the Observation of Na-

gard Measure countis principally in the Constraints of Section. See Physicss.

PHYSICAL, fomething belonging to, or really exifting in PHYSICAL physics.

Physical Point, in opposition to a latter seek on this Senie we fix a Physical Point, in opposition to a Mathematical one which only exists in the Innighation. See

POISTS.

A Physical Sublinace, or Body, in opposition to Spirits, or A. Physical Subhinace, circ. So. S. otherwise, of Physicals, or Physicals, or Spirits, or Physicals, or Spirits, or See Houston.

PHYSICIAN, a Perfor who provides Medicine, or the Art of Healing. See Miracusa.

Art of Healing.

Belling of Healing.

B

METHODICAL. Degmanical Physicians, those who laid down Principles, and reason'd from those Principles, and from Experience. See

DOGMATIC

Empirical Physicians, those who kept wholly to Experience, and excluded all Use of Reason in Medicine.—Such was Se-

and exculsed all Use of Reaton in Medicine——Such was 6x-point, Aghibiting Charats, 8x. See Esternate. At 1 propring the Character of the Conference of the

Connetick Physicians for the Complexions; Ophthalmic Physicians for the Eyes; Volnerary Physicians for Wounds, &c., Among the Moderns, a general Physician Induc's almost all these several Kinds: Regular Physicians are contraditinguished from Emperical Physicians, who press the armson s, having one or two Remedies which serve in all Discuss. See Essen PERICAL.

PERICAL,
Galenical Playficians are those who prescribe gentle, natural and ordinary Medicines. See Galenical,
Spegivisal or Chymical Playficians are those who prescribe
violent Medicines drawn from Minerals, ctc. by Fire. See
Spagyrical and Giffyi Carlot.
PHYSICES. See the Language CHER DEVISION.

SPACHECAL and CHYMICAL
PHYSICA, by the Latin called PHYSICA, the Great
PHYSICAS, by the Latin called PHYSICA, the Great
PHYSICAS, by the Latin called PHYSICAS, the Great
Latin called Physicas and the Latin called Physicas and Latin
Latin called Physicas and Physicas and Physicas
Caulis, and Elifekt, their surious Michelons, Motions, Operations, Or., See Philiotophysicas and Natralia,
or., See Philipped Physicas and Natralia, and Spirits,
one mader Physicas, which more only one referred to Adv.
physica. See Mitraliyators.
The World is derived from physicas Nation. See PhysicaThe World is derived from physicas Nation.

It of Y. The Origin of Physics is referred by the Greeks, to the Burbarians, viz., the Brachmans, Mugi, and the Heberg and Egyptian Pricilis. See Brachmans, Mugi, and the Heberg and Egyptian Pricilis. See Brachmans, Mugi, and Franciscustry Thats, who is fail to have first professed that the Study of Nature in Greece. See Sorit.
Leace, it defended into the Physiogoric, Platonic, and

Hence it descenced into the Pythagoric, training, and peripartic Schools, whence it was propagated into Any, and thence thro' the relt of Europe; tho' the Druids, Bards, O'e, had Physick of their own. See PYTHAGOREAN, PLA TONIC, and PERIPATETIC; See also DRUID, BARD,

Physics may be divided, with report to the manner where in it has been bandled, and the Perfors by whom, into 12 Symbolicad, sinch was that of the old Egyptous, Pylogarian and Plasmili, who delivered the Properties of Natural Bodies under Arithmetical and Geometrical Characters, and Hieroglyphics. See Symbol, Growerry, Hierocly,

and Hieroglypunch. Der Symmony Stocken 1875 Frankruchen 1871 C. St. 1871 C. St

EXPERIMENT, O'c.
This has been much cultivated fince the Time of my Lord

This has been much cultivated fince the Time of my Lard Bours, and continues to be (a), with good Success, or dis-grame and continues to be (a), with good Success, or dis-terior to the continues of the continues of the con-trol of the continues of the continues of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the con-tr

to the fettled Laws or reasure and recommended processing and Meenantical.

PHYSIOGNOMICKS, a Term tifed by fome Phylicians and Naturality, for fich Signs as are taken from the Contemance to judge of the State, Dilipolition, Or. of the Body and Mind. See Storn and Physiognomy.

tenance to issige of the State, Linguistics, of young and Mind. See Stora and PursionNomy.
PHYSIOGNOMY, the Art of knowing the Humour, Temperament, or Disposition of a Person, from Observation of the Lines of the Face, and the Characters of its Members,

or Features.

Rapsifla Porta and Rebert Fluids are the top modern Authors on Phylogenemy.—The ancient ones are the Sophitt Administry, and Artiflette, the Phylogenemy of which last we have translated into Larin by de Locania.

The Word is format from the Orest elevie, Nature, and

The Word is form a trons use of the physicians is a considered, it knows. There feems to be formething in Physicians y and it may perhaps bear a much purer Philiopophy than what chefe Authors were acquisited within.—This, at leaft, we dure fully that of all the functional farts of the Ancients, disinged among the Moderns, there is none has so much Foundation in Nature 1 and 1

three is an apparent Correspondence between the Face and the Mind; the Features and Lineaments of the one are directed by the Moticos and Affections of the other: there is even a peculiar Arrangement of the Members of the Face, a peculiar Disjosition of the Countemance, to each particular Affection; perhaps to each particular idea of the Mind. See PASSION.

Pastion, and the Language of the Face, Plyforenemy, is an effect, the Language of the Face, Plyforenemy, is an effect, the Language of the Tonguage, Spreek, "Thanks to make partial properties of the Tonguage, Spreek, "Thanks to the Continued as to one early Method of converting with each other, and of learning each other.' I Doughts, we have each other, and of learning each other.' I Doughts, we have the hardward of the properties of the pr

and the Eye; which afford us this further Advancage, that by comparing the Reports of the Tongar, (a Manufer exceedingly little to secure) with those of the Face, the Pre-The Foundation of Pleglanous joints; The different Ob-leds that prefent themselves to the Senfey, any, the different Ideas that arise in the Mind, of each make found to prefilm on the Spirits; and each an Imprefilm corresponding on the Spirits; and each an Imprefilm corresponding to the Carlo Senfey and the Senfey Impreffion

If it be ask'd how fuch an Impression should be effected: If it be asked now men an impression should be effected;
fits eafy to answer, that it follows from the Occomony of
the Creator, who has fird such a Relation between the several Parts of the Creation; to the end we may be apprized of the Approach or Recess of things useful or hurtful

to is.

If this be'nt philosophical enough, take the manner in the
Cortofine Language, thus: The Animal Spirits moved in the
Cortofine Language, thus: The Animal Spirits moved in the
Organ by an Object, continue their Motion to the Brain;
whence that Motion is propagated to this, or that purities
whence that Motion is propagated to this, or that purities
whence that Motion is propagated to this, or that purities
whence that Motion is propagated to this position of Namerical Spirits and the Cortofine Cortofine
The Cortofine Cortofine
The Cortofine Cortofine
The Cortofi

by means of its Nerves, espexially use 1 and 1941Pitte; the forum Materii.

The Face, here, does the Office of a Did-Pitte; the Wheels and Springs within-fide the Machine actuation its Mafeles, flow what is next to be expected from the firiking Part. Not that the Motion of the Spirits is contained all the Way by the Imprefition of the Object; the Imprefition pro-bably

PIC

bably terminates in the Medulla of the Brain; the common Fund of Spirits, the reft Dr. Graviter imagines may be effected much after the fame namer as the Air is conveyed into the Pipes of an Organ, which being ancovered, the Air is converted to the Pipes of an Organ, which being ancovered, the Air seconds of the Pipes of an Organ, which being ancovered, the Air converted to the Pipes of an Organ, which being ancovered, the Air converted to the Pipes of an Organ, which being ancovered, the Air converted to the Pipes of an Organ, which being ancovered, the Air converted to the Pipes of an Organ, which being ancovered, the Air converted to the Pipes of an Organ, which being ancovered to the Pipes of an Organ, which being an organized to the Pipes of an Organ, which be the Pipes of an Orga

into the Pipes of an Organ, which being encoured, the Air milhes in, and when the Keys are the policipal again. See "The Companies of the Companies of the Companies of the New of My repeated Arts, or the frequent enertraining of a Swornter Pallion, or Vice, which natural Temperature has harried one to, or Carlton draught; the Ree is often true will make fact partner being the Companies of the true will make fact partner being story the Nerves, (in which the Effonce of a Habit conditis, fee H as 1 v to D 2), that the Fars is forecritice mathematic in the My the Companies of the that the Sace is founctions unstremby let in that Pollurer (& the Islaim Religions are ye Is not continued fitting in Humps Pollurer in their Pagod) or at least fitting Pollurer in their Pagod) or at least fitting pollurer in their Pagod (or at least fitting pollurer). The Religion of Polluration had the Sac Sacusta. This Religion is confirmed by Observation: These we face the Pollurer, which of the empty of the property of the Pollurer in the Confirmed Po

Mufeles.

Thus also lastivious Persons are remarkable for the Oculo-

Thus in the time of ti

SICKS, G

The Word is form'd of goon, Nature, and ASSO, Discourse,

Acason.
It is to be observed, that the Word Physiology properly denotes only an internal reasonator of diffouring which those rerminests in the Specialist, or additional contemplation of its Object, viz. Astural Appearances, their Canles, O'z. and does not direct or preferable Rules for the making of natural vices.

ral things, e. gr. Stones, Plants, o'e.
In this View Chymiffry does not properly belong to Physiclogy, but is a kind of a counter-part thereto, as imitating or minicking Nature, rather than confidering and explaining her. See Chymistry.

PHYSIOLOGY is particularly used for a Branch of Medicine, which confiders Nature with Regard to the Core of Dilastes; particularly the human Body, its Parts, Structure, Health, Life, Functions, Occonomy, &c. See Medi-

Physiology, in this Sense, is the same with what we other-wise call the Doctrine of Asimal Occurry. See Onco-

PHYTOLOGY a Discourse upon Plants; or a Description of their Forms, Kinds, Properties, Gr. Sec.

PLANT, "The Word is compounded of the Greek works, Plant, and Migh. Diffeoutle, or Mig. forthe, it deferthe, rehearded by 11 Maters, in Anatomy, called allo Mater ensut, and Memine tensit, a fine Cost, or Nembrane, immediately investing the Brain. See Maters, Mantenx and Baaris. PHACHE, PLAZZA, a covered arched Walts, or Portico. See Polyrico and PlazZA.

See FORTICO and FIREZA.

PHASTER, a Spanifo Money, more ordinarily call'd Fiere
of Eight. See PIECE of Eight.
PHAZZA, in Bullding popularly call'd Fierbs, an Indiano
Name for a Fortico. See FORTICO.

The Word literally fightlines abroad open Place, or Square;

whence it became applied to the Walks, or Portico's around

PICA, in Medicine, call'd also Malacia, a Deprava-tion of Appetite, which makes the Patient ablardly cover things unfit for Food, or incapable of nourishing, say Coals, Ashes, Plaister, Salt, Lime, Chalk, Vinegar, Pepper, Oc.

Afthes, Philifter, Salt, Lines, Challe, Vineagra, Ferpera, Ort. See Averative.

See Averative Companies Golfe, and Women with Child.

Man are more rarrier affected with Ri-The Differier is field one original, but to utilitied as Effect on all Hypothordiscal Informity in Mens; and a Collisconis, Suoprages of the Maries, Women: Sometimes its herefittery in Colliscens, from General Confession of the Inaugustation, confined by ill Examples and rifetimes Probations. See haste instructions. In the Philippined Transfellation, Dr. Edwign et al. Belline of a Women in the One Marie The Women in the One Marie The Confession of the Confession of

her Pics to fack the Wind out of Bellows; which as often as the could the took into her Body with open Mouth, ter-eing it in by blowing with both Hands, the Bellows inver-ted.—He adds, he knew another in the fame Circumftances whom nothing would fatisfy but crackling Cinders under her Feet.

Something like this has also been found in Brutes.-The Sometiming like this has an over house in Blutes—The laft mentioned Author mentions a Greyhoused little, who y or 6 Days before cafting her Whelps, long d for another Bitch's Whelps, and eat them all up, and would have eat the Bitch herfelf. Thus it is that Sows are forestimes known to eat pp whole Litters of Pigs.

The ufual Remedies in the Pigg are Bleeding, Purging,

ingly immer animed the line of the lower leads, the Pollowers to abandon themselves to all imputity; making them believe that therein conflited the Liberty of the Sons of God; and that all those not of their Sect were in Bondage.

those not of their Sect were in Bondage.

If hirth began in Germany, and the Low Counties; perlunding many to go naked, and giving them the Name of

Adsametr.—After this, feiring an Illand, he fixed himself and
his Followers therein; appointed his Women to be common, but allowed none to enjoy them without his Permillion. So that when any Man defixed a Woman he car
fixed the second of million. So that when any Man delired a Woman he car-ried her to P.eard, who gave him leave in these Words, Ge, introsfe, multiply and fill the Earth. At length, Zifea, the Great General of the Hafflets, so famous for his Viktories over the Emperor Sigimund, struck

amous for its Victories over the Emperor Soffmand, fittack with their Abominations, march'd against them; and making himfelf Multer of their Island, put them; all to Death, except two, whom he feared to inform himfelf of their Doctrine.

PiCKAGE, or Picaon, from the Luin Piss; an ancient Cailom, or Duty, paid at Fairs and Markets, for breaking the Ground and pitching up Stalls, or Standings.

This Profit of Pisse was utilially given or or floated in the Charters for holding a Fair, or Market.

In Particular or Pisses was used to the Charters for holding a Fair, or Market.

Charters for nothing a rare, or Nearket.

PICKET, or Picquer, or Piquer, in Fortification, a
Stake fharpar one End, and utually flood with Iron; used
in laying out the Ground, to mark the feveral Managares and Angles thereof. There are also larger Pickers, drove into the Earth to

hold together Fascines, or Faggots, in any Work cast up in

PICKETS are also Stakes drove into the Ground by the

Pricaria are also Stakes drove into rac cromin ay re-tents of the Borle, in a Campy to the their Horles toe, and before the Tents of the Foot, where they celt their Mas-kets or Piles roand shout them in a Ring. When an Horleman hith coomitted any confiderable Offence, he is often fentenced to funder the Pieter; which is to have one hand drawn up as high as it can be threached, is to have one hand drawn up as high as it can be iteretric, and thus to fland on the Point of a Fisker, or Stake, only with the Toe of his opposite Foot; to that he can neither fland or hang well, nor each himself by changing Feet.

PICKERS are also Stakes with Notrbes towards the Top, to which are fultened the Cordages of Tents.—Thus, to

og way of Suice, Oz. They jelde Artichokes, Mathrooms, Afhen-Keys, Bir-beries, Afparagos, Beans, Broom-Bods, Oz. PICKEROONING, PICKEROONING, a little flying Wir, or Skirmith, which the Soldiess make when detach from their Bodies, for Pillagos, or before a

main Battle begins

ain Hartle begins.
PICQUET, or PICKET, a celebrated Game at Cards, in fe throughout the polite World. See Game and Cards, in It is play'd between two Perfons, with only thirty or ards, all the Duces, Threes, Fours, Fives, and Sixes, Cards; all the

penny set aftee.

In reckoning at this Game every Card goes for the Number it bests, as a Ten for ten; only all Court-Cards go for eleven, and the Ace for ten! And the ofaul Came is too me. But in playing, the Ace wins the King, the King the Cueten, and fo down.

Queen, and to down.

Twelve Cards are dealt around, ufusly by two and two; which done, the Remainder are laid in the middle: If one of the Gamellers find he has not a Court-Card in his Hand, he is to declare he has Care blancke, and tell how many the control of the Cards he will lay out, and defire the other to difeard, that

he may fhew his Game, and fatisfy his Antagonift that the Carte blanche is real; for which he reckoms ten. Each Perfon diffcards i.e. lays slide a certain Namber of his Cards, and takes in a like Namber from the Stock.—The first, of the 8 Cards, may take 5, 6, or 7; the Dealer, all the

Remainder if he pleafes.

infly of the SCardy, may true 5, 5, 6 or 7; the source, at the elementary files place defed Hand cannine where Subject has most Cards of 1; and recknoing how many Points to has in the State 1; the other have not to many in that or any other Subject has been considered by the state of the Subject has been considered by the State of the Subject has one subject has one subject has one subject has one subject has a Tierce in the other,

a Tierce in the other.

The Sequences over, they proceed to examine how many Aces, Kings, Queens, Knaves, and Tens, each holds; creckoming for every three of any fort, three: But here, too, as in Sequences, he that with the lime Number of Three's, has out that is higher than sup the other has, e.pr., a Aces, hos all his others made good hereby, and his Advartage of the Company o

fary sall set afide.—But four or any orranges and these.
All the Game in Hand being their reckoned; the Eleptorocceds to play; reckoning one for every Card he plays above a Nine; and the other follows him in the Suit; and the highest Card of the Suit wins the Trick.—Note, unless sace magnetic card of the built wirs the Irick.—Note, unlefa a Irick be won with a Card above a Nine, (except the laft Trick) nothing is reckoid for it; the 'the Trick Ferres afterwards towards winning the Cards: And that he who plays laft does not reckon for his Cards unlefs he wins the Trick.

The Cards being play'd out, he that has most Tricks rec-kons ten for winning the Cards.—If they hive Tricks alike neither reckons any thing.—The Deal being infalfid, and each having marked up his Game, they proceed to deal again as before, cutting airest each time for the Deal.

If both Parties be within a few Points of being up, the Carte blanche is the first thing that reckons; then the Point; then the Sequences; then the Threes; then the tenth

He that can reckon 30 in hand, by Carte blanche, Points

Quintes, cre. without playing, e'er the other has reckon'd any thing; reckons ninety for them - and this is call'd a Repique;—if he reckons above 30, he reckons fo many above

90. If he can make up 30, part in hand and part by play, e'er the other has told any thing, he reckons for them 60.—And this is call'd a Fieque. Whence the Name of the Game, He that whis all the Tricks, inflated of 10, which is his Right for winning the Cards, reckons 40,—and this is call'd

PICTS Wall, in Antiquity, a famed Piece of Roman Work, began by Adrian the Emperor, on the Northern Bounds of England, to prevent the Incursions of the Pills and Scots,

WALL At first it was made only of Tarf, strengthened with Pal-lifedoes; till the Emperor Searms, coming in Person into

Britain, built it with folid Stone, reaching eighty Miles in Length, from the bib to the German Sex, or from Carlife to Newsgitte; with Watch-Towers garrison dat the Diffance of a Mile from each other

a Mule from each other.
It was rulend feveral Times by the Pills, and often repaired by the Remans.—At last Actius, a Roman General, rebuilt is of Brick; and the Pills rulining it the Year following, it was no longer regarded, but as a Boundary between
the many Audit of the Pills rulining it. the two Nations

the two nations.

The Wall was eight foot thick, and twelve high from the Ground; it run on the Northide of the Rivers Tipse and Arbing, up and down feveral Hills, the Traft or Remains of it is to be feen this Day in many Places both in Camber-

land and Northumberland PICTURE, a Piece of Painting; or a Subject, reprefented in Colours, on Canvas, Wood, or the like, and inclosed in a Frame. See Painting.

ed in Colours, or Calvers, vector, the distribution of the Colours of Colours o

ances arifing therein. See FAIR.

It had its Name either because most ordinarily held in Sommer, and the that Suiters hereat were chiefly Country-Clowns, with dufty Feet, call'd by the French, pieds posteriue; or from the Expedition intended in the hearing of Canfes

proper thereto, e'er the Duft went off the Plaintiff and Defendant's Feet. The Saxons called it coapung-xemot i.e. a Court of Mer-chandife; or for the Deelfion of Disputes relating to buying

chandile; or for the Decition of Disputes relating to buying and felling. Delive and Student oblives that it is only held during the Continuance of the Fairs, e.g.. PIECE, in Commerce, fignifies, fometimes, a whole; and

PIECE, in Commerce, figuilies, fonectimes, a whole; and Gonetimes, only a Part of a whole.

In the first Senfe, we lay, a Piece of Clash, of Pieces, &c.
In the first Senfe, we lay, a Piece of Clash, of Pieces, &c.
In the other Standard or cert. Sen Chornia.

In the other Standard or cert. Sen Chornia.

In the other Standard own tay, a Piece of Tagodry, meaning a diffinith thember wrought a party, which with interact others make one Hingday. See Internst. With the Interact other make one Hingday. See Internst.

Liquot. Pitters, in matters of Money, finities, formetimes, the time thing with Society as when we by this Piece is to the Society, which was a subject of the Society, it is not to carried fish as have no other particular Nimes 348, Fiere of S Ands, Field of 25 Sefs, for.

In England the Fire is formetimes and of for twenty Shift. In England the Fire is formetimes and for to Currenzy and Pourse, and Tourse, and Pourse, and

lings Stretling; and iometimes for a Chunea. See Culvarsa and Pousda, and Stretling.

Plete of Eighs, or Fielder, is a Silver Money, first struck in posses, afterwards in other Countries; and now current in most Parts of the World. See Colva. It has its Name Piece of Eight, or Ried of Eight, because equal to 8 Silver Rials. See Kight.

equal to 8 Silver Rails. See Real.

Its Value is nearly on the finne Foot with the French
Crown; viz. 42. 6d. Serding.—In 1687, the Proportion of
the limple Rail to the Piafler was changed; and in lieu of
8 Rails they gave 10.—At prefent the Reduction is on its ancient Standard.

ancient Standard.

There are two kinds of Piafters or Spanifo Crowns; the one fituck at Parofo, the other at Mexico: Thefe latter are a little Matter heavier than the former, but in return they

a nuce office fine.

The Piece of Eight has its Diminutions; viz., the DemiPither, or Piece of 4 Rilas; the Quarter, or Piece of 23
the half Quarter, and the Sixteenth.—The Exchange hetween Spain and England is made in Pieces of Eight. Soc Ex-CHANGE.

Piece, is also a kind of Money of Account, or rather manner, of accounting nied among the Negroes of the Coaft of Angola in Africa. See Money.

of Angola in Africa. See MONEY.

The Price of Slaves, and other Commodities, here negotiated, as also the Daties paid the petry Kings, are estimated on both fides in Pieces.

Thus, these Barbatans requiring 10 Pieces for a Slave; the

has, thele Batharian requiring 10 recess for a blive; time European in like manner value the Money, or Merchandize, to be given in Exchange, in Pieces, See Commence.

Ten Anahalites, e.g., are 1 Piece; a Burrel of Powder of ten Pounds, 1 Piece; a Piece of blue Salempouris, 4 Pieces; ten brais Balons, 1 Piece, and College of Change See On.

PIECE, in Harakiry, is an Ordinary, or Charge, See On-

Distant.

The honourable Piece of the Shield are the Chief, fels bend, pal, bur, Crofs, Saltier Chevron; and in general all those which may take up one third of the Fald, when alone, in what manner to ver the.

in what manner to wer it be.

PIECES, in the Military Art, are Cannons, or great Guns, utiled at Sieces, &c. called Pieces of Ordensee, buttering Pieces, &c. See Quannance, Cannons, &c., Eidel-Pieces are those placed in the Front of an Army, &c.

Sec FIELD-PIECE PIEDOUCH, in Architecture, a little Stand, or Pede-fial, either long or figure, enrich'd with Maukding; ferring to fupport a Buft, or other little Figure. See PEDESTALS

The Word is French; form'd from the Italian, peduccio,

PIEDROIT, in Architecture, a Peer; or a kind of square Pillar, part whereof is hid within a Wall. See Pasa and

PILLAR.
The only thing wherein it differs from a Pilaster, is, that the latter has a regular Base and Capital, which the other

PIEDROIT IS also used for a Peer, or Jaumb of a Door,

Princor's Bails side for a Peer, or Jumb of a Door, or Window's compendenting the Chambrande, Cambridge, Letter Compendenting Cambridge, Cambridge, Letter Compendenting Cambridge, Cambridge, Letter Compendenting Cambridge, Dending as Pervey, 1640 in it.

This Record is to be experted in History, as to loc Shiper I may be a protected in the Cambridge of the Cambridge Cambridge, Cambr

with Piercers, or Augers, are round,-If the Hole is

Center be in the Shape of a Lozenge, it is expressed Pierced

All Pictorian mult be of the Colour of the Field, because the piercing implies the flowing of that which is under the Ordinary, or Berling—The when fach Figures appear on the Contre of a Crois, Oz. of another Colour, for its not to be imposed partial, but that the Figures of it is a Charge, and mult be accredingly become. See Pring can among further and the control of the Colours of the Colour

fam, it to pierce it further in.

PIES, in our ancient Law Books. Froze Fiets, were a fort
of Monks, to called because they were short and white Gar-nests, like Maggies.—They are memorical by Weighlaum,
2.124. In quantum correct superficient.

PIESTRUM, since you in Informate wherewight to beat
in pieces the Bones of the Hond, in drawing a Child out of
the Wornh.

PIETANTIA, a Pitrance; or Portion of Victuals diffribu-id to the Members of a College, upon some great Festivals. SEE PITANCE.
PIETISTS, a Religious Sect lately forming up among the
Protestants of Germany.
Lind of mean, between the Qua-

The Pierifs teem to be a kind of mean, between the Qua-kers of England, and the Quietifts of the Romit Church-See Quietist and Quaker.

Their Anton was Sciences, from whom they learnt to defpile all Ecclefishical Polity, all School Theology, all Forms and Ceremonics, and to give themlelves up to Contemplation and the mylfit Theology. See Mystro.

The Pictific are effectued Adiaphorities, or Indifferentifits, the Contemplation and the Mylfit Theology.

The Joseph in whemmed Adaphoritis, or indifferently, i.e., in the Greens way of tabling buy receive, and allow of all Softs among Procedure, performance of all Softs among Procedure, performance of the Softs among Procedure, performance of Joseph Softs, and the Softs among Procedure, performance of Joseph Softs, and the Softs among Procedure, or Softs among the So

use of the Ministers that Cessuries are Emanutions from the Schittner of Gody, than States of Goes is a real Politising soliday, that a State of Goes is a real Politising may be united to God, the bed droy the Divisity of Jisis Chevil, that all Errors is innocent, portioned the Will be to begin the Work of Schratters, the time the Work of Schratters, that core may have Fathwicheat any Spermental Affiliators, 1 that all Loss of the Creature is stripised. Leadings of God in this World. Their brings we find charged on the Firstlip, in a Book intrinsic, Adminish Objeroussman Anti-part bless was — Emiliar Schratters, and Charles of the Firstlip, in a Book intrinsic, Adminish Objeroussman Anti-part bless was — Emiliar Schratters, and Charles of the Firstlip, in a Book intrinsic, Adminish Objeroussman Anti-part bless was — Emiliar Schratters, and Charles of the Parties, and Charles of the Parties, and Charles of the Parties of the Charles of the Parties, and Charles of part of the Charlist Dopferties, others are only vision articles, and others very bound good Peroph, who dignified character with the Ferrors. First of the Armis, was technical to their Party, without global prior the godfert of their Errors. First of the Armis, was technical to their Party, without global prior the godfert of their Errors. Firstlip of the Armis, was technical to their Party, without global prior the godfert of their Errors. Firstlip of the Armis, was technical to their Party, without global prior the godfert of their Errors. Firstlip of the Armis, was technical to their Party, without global prior the godfert of their Errors. Firstlip of the Armis, was technical to their Party, without global prior the godfert of their Errors. Firstlip of the Armis, was technical to their Party, without global prior the godfert of their Errors. Firstlip of the Armis, was technical to their Party, without global prior the godfert of their priority and their Party without their Party without their Party was an extended to the priority of the priority of abstance of God; that a State of Grace is a real Possession

ment Fermiers; cittl' allo "schaims". See Acts a was a month of Per R R A C. & PloMMINTS, Promesters at Personations and by Printers, Edward Control. See Consultation of the Control of the Personation and the Control of the Control

pointed Steel.

The Pike was a long time in use in the Infantry, to enable them to suffain the Attack of the Gavalry; but is now taken from them, and the Bayonet, which frews on at the End of the Carabine, subditituted in its Place.

Yet the Pike Rill continues the Weapon of Foot-Officers, who fight Pike in hand, filate with the Pike, &c. Pilay hays the Lacedemonians were the Inventors of the Pike.—The Macadonius Phalana was a Battallion of Pikenam

See PHALANN.
The Name File is field to be derived from a Billed cull'above for Person who we will be fill as for the first print who works which all list of them the bill Lain Files, or Filesa, which Tillius from the bill Lain Files, or Filesa, which Tilminia Imposes to have been to call'd goof Spiera, because re-dembling a kind of Eart of Corn. Otheroise First reside decives 12 Juliesa.
M. Fander fays, 'tu the File gove Name to the Filesan's, and or size of Corn. Other See Filesan's First gove Name to the Filesan's, and size of Corn. Other See Filesan's Corn. The See Filesan

Finedy, which he will have to be modern, and to have been given on exciton of not People's treasuring the side of the File, as Expressiony with the property of the been given that the People by reason of their Reddings to pick been given that the People by reason of their Reddings to pick Quarries, call'd in French Files, are consumed to the Pice, a lab pice, Pice, in Commerce—To tree mind the Pice, at pice, Pice, and the Pice, and the Pice, at pice, and single Nations, wherein they are to keep on their Guard, and as it were Sword in Hand.—That it is we treat with the Swages of Cameda, Sec. and Gone Negroe Nations on the Court of Affrica.

Coast of Africa.

Training gain is to PAra, 1810 a kind of prohibited Training gain is to PAra, 1810 a kind of prohibited Training gain is to Para and the parameter is proved that the Samily Wife Parameter the Colonius which those two Nations have in the Carablest Hillows.

Perhaps it should be called Training at the PRs.; to We Perhaps it should be provided to the Perhaps in though the Parameter with its provided that the Parameter of the Parameter with the Parameter of the Pa

remember of steams, more requestly was the Combinance of the Governors, &c. come to exchange their Gold Pieces of Eight, Cochineal, &c. for the European Merchandizes. Some will have it treating at the Piec, i. a. at a File's Length, or Diffuse to by reason of the Diffuser's Strangers are obliged to Seep at. See Committee.

PILA or Pile, among our ancient Writers, denotes the
Arms-fide of a Pice of Moncy. The Denomination arole
hence, that anciently this Side bore an Imprefition of a Armis-list of a Freet on county. Less on Immediate of a Chambalit on Plate. Bear list, to Log 19, List who leving our Appel of Bobbers or Their stands consistent, and flow the county of the Chambalit on Dealing, Prints, Platins, Newbork, Mediplers, Plates, Plate

Bridge.

The Peers of a Stone Bridge are not to be less than one fixth Part of the Arch, nor more than a fourth. See BRIDGE. The Word comes from the Latin, Pila, nied in the fame Senie by Vitravius, and this, probably, from wiles, cogo,

Evolus observes, that Pile and their Quidras, as we see them in ancient Altars and Monoments, were used for In-feriptions; but the shorter and more massly serve for Arches and Buttersles to folid Work.—They were sometimes made half circular: But the Ancients preserved those pointed at right Angles, as best able to result the Carrent.

right Angles, as best able to result the Carrent.
PILASTER, in Architecture, a square Column, some-times insulated, but more frequently let within a Wall, and only shewing a sourch or fifth Part of its Thickness. See

The Pilafter is different in different Orders; it borrows the Name of each Order, and has the fame Proportions and

the fame Capitals, Members, and Ornaments, with the Co-Pilaffers are usually without either Swelling or Diminution, as broad at top as at the bottom; the form of the modern Architects, as M. Manford, &c. diminish them at top, and even make them swell in the middle, like Columns; particularly when placed behind Columns. See DIMING

110 N., Peranti obferves, like Columns, become of different Kinds, according to the different Monner wherein clifferent Monner wherein call different Monner wherein call different perantic, Paradinary, others have three freeces there out of the Wall; others two; and others only one; all call diff by Firstonia, Arma. See Abrix and Paradinary. Infinite Philapers are but rarely found in the Antique—The field (Ule they made of Philapers was at the Exercitation of the Columns of the Col

there were made of crimpers was at the extremities of Portico's, to give the greater Strength to the Corners, Portico's to give the greater Strength to the Corners, Portico's to give the greater of the Wall, their Dimination, the Disposition of the Eachbitture when it happens to be common to them and to a Column, and their Busings. and Capitals.

and Capitals.

1º Then, the Projecture of Filafers, which have only one
Face out of the Wall, is to be one eighth of their Breadth;
at most not above one fixth. When they receive Imposts

gainst their Sides, the Projecture may be a Quarter of their himster. See Projecture. 2º Pilasters are but seldom diminish'd, when they have on-Diameter.

2º Plafager are but feldom diminified, when they have one of the Wall.—Indeed where they fitted in you for fect out of the Wall.—Indeed where they fitted in timed over both, without any fireta, the Plafager at to fave the firme Diministration with the Columns; that is to fave the firme Diministration with the Columns; that is to fave the pre-reflecting the Column; they fitted the plant in the Plafager for the Columns they accompany be not; and, on the other hand, the Columns are formerines firsted, when the Plafager clast accompany are formerines firsted, when the Plafager clast accompany.

them are not.
The Flutings of Pilafers are always odd in Number, ex-

The Fluings of Filders are always old in Number, ex-cept in half Finders, meeting at invariant, and hopes, where com-get in half Finders, meeting at invariant, and in-effective theory of the companion of the Capitals of Finders, are the fune as to Friedrich with these of Columns, but differ in Width, the Laws of the former being much wider, be-cause Finders, but of even the considerable of the con-tact Finders, the of even the contact finders, the Dipolition is to have two in each Face, in the lower Row, and in the upper Row one in the multiles, and two halves in the Angles, in the Turns whereof they meet.—Add to this, that the Kin of the Valor Tumoders was finders as lower Parr is, but a little circular and prominent in the middle. See Capital, Oc.

In Pilafters that import Arches, the Proportions, Palla-dio flows, must be regulated by the Light they let in; and at Angles, by the Weight they are to fulfain. For which Reason, says Sir Henry Wotten, a rustic Superficies best be-

comes them.

comes them.

PILASTER-Brick. See BRICK.

PILCHARD Fibing. See Piltbard Fishing.

PILE, in Antiquity, a Pyramid built of Wood, whereon were laid the Bodies of the decased, to be burnt. See
Buryens; fee also Funnal, Borning, Gr.

PILE is also used in Building, for great Stakes rammed in-

Piles also used in Building, for great Stakes ramind in-tent the Earth for-A Foundation to build upon in marthy Ground. See Foundarion; for allo Pallifle Attention. Andforderm, and form other Cities are wholly built upon Piles. The Stopping of Dagenbass Breach is effected by Dove-till Piles, h. e. Piles mostical into one another, by a Dove-tall Joint. See Dove-Fair. Piles is fallo used, among Arthitects, for a Mais, or Body, Piles is fallo used, among Arthitects, for a Mais, or Body,

of Building.

Distance Pile, Pile, in Coinage, is the Punchion, or Matrice, which, in the old way of coining with the Hammer, contained the Arms, Crofs, or other Figures and Interiptions, to be fittick for the Reverte of the Species. Sec Con and Species. Accordingly we still call the Arms Side of a Piece Money, the Pile, and the Head the Croß; because in the ancient Monies, a Croß usually took the Place of the Head in ours. See COLNING.

in time. Net CONNICO.

Hence the Game of Crofs and File.

Some will have it called Files, Files, because on this files,
in our ancient Colins, there was imprecision of a Church
in our ancient Colins, there will be the control of the Colins

There is no control of the Colins of the Colins

Files Files is the color begone or imprecision of Money

This Files is the color begone or imprecision of Money at This Thus Fletz; He who bring an Appeal of Robbery, or Theft,

Thus lettes, the who bring an Appeal of Newbory, or Their, agained another, may feem the certain Quantity, Quality, Park, Weight, Number, Modaws, Valus, and Vile. Pills, in Hendlary, an Ordinary, in form of a Point inverted, or a Stake Barpen'd; controlling from the Chlef, and terminating in a Point towards the Bottom of the

Shield, fornewhat in manner of a Wedge,

It is form'd probably in Imitation of the Roman Pilam,
which was a tapering Dart about five Feet long, and fharperson at the Point with Steel.

Piles, in Medicine, a Difeafe, by Phyfi-cians, call'd Hæmorrhoids. See Hæm o R-

PILETTUS, in our ancient Forest Laws, Et quod Fore-PILE 11US, in our ancient rotter Laws, Et quad fere-facili feit non periodent fagitate berstust for plectors. Charac-Regerie de Gamey: where the Word imports fuch Arrows as had a round Konba Eittle above the Head, to hinder them from going far into the Mark; from the Latin Pila, which fignifies any round thing like a Ball.

figuities any round thing like à Ball.

"PILCR BIA, PILC at Ris, of the rise in Figure, the PILCR BIA, PILC at Ris, of the Line in Figure in PILCR BIA, PILCR BIA, of the Line in Figure in PILCR BIA, PILCR BIA,

cure them from the Violences and Infults of the Savatent and Arabs, &c. fuch as the Order of the Knights Templars, the Knights Hospitallers, Knights of Malta, &c. See Order,

TEMPLER, MALYA, O'c.
PILLAGE, among Builders, is fometimes used for a
fquare Pillar, flanding behind a Column to bear up the
Arrhes, having a Base and Capital as a Pillar has. See

Fillar AR, in Architecture, a kind of irregular Column; round and inflatted; deviating from the Proportions of a just Column. See Column; on the Proportions of a just Column. See Column on millive or too flender for a regular Architecture. In effect, Pillary are not refiralised to

any Rules; their Parts and Proportions are arbitrary.
Such e.gr. are the Pillars which support Gothic Vaults and

Buildings, Che A square Pillar is a massive Work, tall'd also a Peer or Piedroit, serving to support Arches, cre. See Peer a and

1EDROIT Butting Pillar is a Buttress, or Body of Malonry, raised to cop or fulfain the Shooting of a Vault, Arch, or other Work, See Burrass,

Pilla R, in the Manage, fignifies the Centre of the Vol-ta, Ring, or Manage-Ground, round which a Horfe turns, whether there be a wooden Pillar placed therein or not. There are also other Pillars in Manages on the Circumfo-

rence or Side; placed at certain Diffances by two and two.

To diffinguish these from that of the Center, they are called the two Pillars. When their latter are fpoken of, it is usual to fay, Work the Horfe between the two Pillars. When the former, it is

When their latter are spoken of, it is inful to fay, Work the Harder is the Harder when the former, it is the Harder when the harder is the Harder when the former, it is the Harder when the harder harder when harder when the harder when harder whe

In the Laws of Corntus 'tis called Healfelong .- Sir Henry Spelman fays 'tis fupplicii machina ad ludibrium, magis quam

"Twas peculiarly intended for the Punishment of Bakers who should be caught tripping in the Weight or Fineness of their Bread.—In old Charters it is called Califrigiam. See

The Pilary in Paris is in the middle of a round Tower, with Openings on every fide.— This moveable on an Axis, or Arbor; round which the Executioner gives the Criminat the Number of Turns appointed in Court; flooping him at each Opening to filew him to the People.— Twes intended for feveral Kinds of Criminals, particularly frau-dition. Bankrupts; and all who made a Ceilion, or Sur-render of their Effects to their Creditors, were obliged to make some Turns round the Pillory on Foot with a green

make fome Turns round the Phibry on Poor win a Breen Cap on. See Bankrupt, Cession, &c. PILLULA, Pill, in Pharmscy, a Form of Medicine, taken dry; relembling a little Bull; invented in Evour of luch as cannot a-way with Medicinal Draughts, as also to keep in Readiness for occasional Use without decaying.

Pills, are of various Kinds, Anodyne, Somniferous, Laxative, Aperitive, Hysteric, Antinephritic, Ca. but principally

Cathartic. The Basis of Pills is usually Aloes; with which are mix'd Turbith, Hermodactyls, Sonna, Rhubarb, Mercu-

Agric, Turbith, Hermogateyus, source, 175, 100 xs., Cr. 
Perpend Phil, Fille agreete, are Remilus of Antimore 
mode up into Phil; thus call'd, because being fewllowed and 
voited to these, they will page every time with undimimilled Ferre, Southermony: "Time with undimimilled Ferre, Southermony: "Affice Production of the Conference of the Conferenc

Review Fift, see a feet of Fift good against Coughts, for called from the Greek Fift, Cought.—They are also called App-formation of the Cought.—They are also called App-Fifth are tainful surpered up in LacClock, in Sugar, or the like, to prevent the ill Tails being perceived. They take their Arms from the Laten, July, 2011., the Allest Pill of the Cought of the Cought of the Cought to the Cought of the Cought of the Cought of the Cought to the Cought of the Cought of the Cought of the Cought and Cought of the Cought of the Cought of the Cought Theorem of the Cought of the Markets cought of the Cought of the Cought of the Cought The Other an Officer who makes Otherwises and the Attendes coart as Song fish the Quident, pro-Study, worked to The other an Officer who makes Otherwises and the Attendes coart as Song fish the Quident, pro-Study, worked to There are also faited of thevers, Kren, &c. call Leis-mons. See I Coughts. See LOCHMAN.

more, See Lociana's.

The Files is abuse who fected Perfon in the Ship; where it be a Man of Wes, or a Merchine Man,—in the forther it be a Man of Wes, or a Merchine Man,—in the forcome of the Man of Wes, or a Merchine Man,—in the forcome of the Man of the Merchine Man of the Men of the Men

noted.

First are now altogether stude of Bosh Wire Back'd.

First are now altogether stude of Bosh Wire Back'd.

First are now altogether stude of Bosh Wire Back'd.

Effects of those Pinn has quite differed their Use.—The

Foreth however could not be driven off from 'en, without

transit of Pinn's ping's different off from 'en, without

transit of Pinn's ping's forty, the Stutent of fore Millions of

those Pinn's was continued, and the Pinn condemnal to be

much yet common Executions.

DORNING MAY INC. A COMMON EXECUTIONEY.

The Pins molt effected in Commerce are those of England; those of Bourdeaux are next, then those made at Regist, Ningle, and Some Places in Normonto-Stiffings of the Wint, and its blanching, in the Heinds being well turn'd, and the Points filed.

The London pointing and blanching are the most esteemed; because after forming the Points on the Stone, they smooth them again on the Polisher; and in blanching the fine Tin well calcin'd, and fometimes Silver-Leaves prepared by the well chick's, and iometimes bliver-Leaves prepared by the Gold-Batters, whereas in other Parts they use a Mixture of Tin, Land, and Quickliver, which not only blanches worfe than the former, but is allo dangerous, by reafon of the III Quality of that Minetal, which renders a Panchure with a Prin this blanch'd very difficult to one. The Confamption of Pins, and the Number of Artificers employd in the MunaGutur thereof are incredible. In Pa-employd in the MunaGutur thereof are incredible.

rss alone there were anciently above 1000 People employ'd rss anne there were anciently above tool recolle employed in it, at prefeit there are none; yet is there every Year fold above 50000 Crowns worth of the Pin-Wins, to the Pinnaders of the neighbouring Places, all brought thirtie from Sreebolm—In the little Town of Rags in Normandy, there are computed at least 500 Workmen employ d in the Pin-Manufaldure; the whole City being peopled there.

Notwithstanding that there is scarce any Commodity cheap cocommunating mat there is scare any commonly challed or than Pin, there is none that pulse thro more think of the cellively employed in each Pin, between the drawing of the Benf-Wirt, and the fitching of the Pin in the Paper.

Para are difficultiabled by Nomer's, the final left called min N° 3, 4, 5 thence to the talk's, whence they are only accounted by two to two, viz. N° 16, 16, and 2s, which is the Larged Sim. The target real to the three of the target Sim.

Befide the white Pins, there are also black ones made for Mourning, from No 4, to No 10.—These are usually of Iron-

Warr Liftly, there are Pins with double Heads, of feveral Numer's, nied by the Ladies to fix the Buckles of their Hair for the Night, without Danger of being diffurb'd by their

The time region without business to the statutes of the ancient Pin-Choe of the Article of the Statutes of the ancient Pin-makers of Paris, was, That no Mafter thould open more than one Shop for the Sale of his Warres, except on Neu-Tron's-Dops, and the Few thereof: This we mention in an Age of Luxury and Prodution, to recollect the agreeable Sim-plicity of our Forefathers, who contented themselves with giving Paris for New-Year-Gille.

Hence the Coftom of ftill giving the Name  $P_{int}$ , or  $P_{int}$ .

Money, to certain Prefents which accompany the most  $con^4$  inderable Bargains; in which its usual to give fomething to wards the  $P_{int}$  of the Wife, or Children, of the Person with

whom the Bargain is ftruck

NOTION, O'F.

PIN-IPINAL of a Clock, the firme with the firthing Wheel.
See Wirst and Clocksee, the firme with the first and Clocksee, the control of the manual of the control of the Control

said Enthriulian of the whole.

Finding, winner the enumer takes in Name, was of Tesler. Plendar, whence the marter takes in Name, was of Tesler. Plendar, whence the property of the property

of our virters seem to have toccessed in the \*produce Canalca, but Mr. Om-the Phin of the whole is to be drawn fifth, and the Places markd out where the elegant Salits and Wandelings any bed be, and how the Return may be juffly made to the Subject.

P I N CHI 10%, in Gardening, a fort of pruning performed by nipping or becaking off the Branches, or Spring of a Plant, or I resp. between the Nalis of two Fingers.

See PRUNING.

See FEDNING.
Molt Gardeners hold, that pinching contributes to the Abundance of the Fruit, as well as of the Branches; and dist, that young shoots, that slopply, are lefs agt to grow black and dis, than when cut with a pruning Knife.
The Scales for pinches is chiefly in April or Maj, former times that slo practised in James and Yish.
Fanching is most ultual in Malcons, Cocumbers, &c. Quin-Floriday is not titled in Malcons, Cocumbers, &c. Quin-

Proteins in total time and thouse, Gammbers, Gev. Quin-tings also prefirshes it for Print-Trees.

It is claim to be practiced on the large Benaches towards the Trop of the tree, which are tacked and yet continue.

It is claim to be practiced on the large Benaches towards the Trop of the tree, which are tacked and yet continue to the tree Benaches below; which ought always to be pre-ferred for the Winter's prainting, that they may yeld others, the following Yang, tit to fill the empty Eleca—Nor must Shoot; because having only full Superangle for themelites, when they come to put forth more Benaches in the Fluce when they come to put forth more Benaches in the Fluce when they come to put forth more Benaches in the Fluce when they come to put forth more Benaches are being divided, will farme them—The Operation is prefixed to continue to one time Eyes of the Benach they gave one

The Effect of pinching is, that inftend of one nicleft, perhaps burtful, Wood-Branch, a vigorous Tree will put forth two or three at the Eyes remaining; and the Sap being thus divided, the Branches may be left, and fit for Wood and Fruit.

PINCHING, in the Manage, is when, the Horse standing the Rider holds him fast with the Bridle-hand, and applies the Spurs just to the Hairs of his Sides, without pricking him. 

Pinching is accounted an Aid, spurring a Correction. See

PINEA, or PIONE, in Commerce, a Term used in Peru and Chili, for a kind of light, porous Masses, or Lumps, form'd of a Mixture of Mercury and Silver-Dust from the

formed of a Misture of Mercury and Silver-John from the Mines. See Starte-Renal of Silver, being also out of the View of the Mines, is first broke, then ground in Milts for the Purpole, driven by Water with from Petites of 200 Pound-Weight.—The Mineral thus pulsevirely, is next firstly then worked up with Water into a Patie, which when half dry, aren from Peters, called Chargoly, a Foot long, weighing earls board 200 Pound.

Each Cuerpo is again kneaded up with Sea-Sait, wans diffolying incorporates with it.—They then add Mercury from to to 20 Pound for each Caerpo, kneading the Pale a-fresh till the Mercury be incorporated therewith. This Each Cuerpo is again kneaded up with Sea-Salt,

Office being exceedingly dangerous, by reason of the ill Can-lities of the Mercury, is the Lot of the poor Indians. See

lities of the Mercury, a use second of the Mercury, Mercu

Basons that empty fucceffively into one another.—The Pafte O'r. being laid in the uppermost, the Earth is then wasfr'd from it into the rest by a Rivalet turn'd upon it; an Indian all the while flirring it up with his Feet, and two other Indi-When the Water runs quite clear out of the Bafe

When the Water runs quite clear out of the Daions, they find the Metcury and Silver at Bottom, incorporated.—This Matter they call Pella, and of this they form the Pince's by expressing as much of the Mercury as they can; first by putting it in woolen Bags and preffing and beating it frongly then by flamping it in a kind of wooden Mould of an Octa gonal Form at bottom whereof is a Brafs-Plate pierced full of little Holes.

The Matter being taken out of the Mould is laid on a Tri-vet, under which is a large Veffel full of Water; and the whole being cover'd with an earthen Head, a Fire is made

whose being around it.

The Mercury filli remaining in the Miß is this reduc'd into Smoak, and at length coodenfing is precipitated into the Water, leaving behind it a Miß of Silver Grains of diffusion which only infinite or tooching at the Ex-

remes render the Matter very porous and light.

This, then, is the Panea's or Pigne's which the Workmen endeavour to fell secretly to the Vell-els trading to the South for dangerous a Commerce have made fach valt Gains.

lo dangerous a Commerce have made first vait Gains.— Induced the Tradess herein most be very tareful, for the δρα-πήθ Miners are errant Knaves, and to make the Figure weigh the more, make a Practice of filing the middle with Sand or Iron. See Commerce, Pier, 67e. PINEAL, PINEALIS, in Anatomy, a Name which Des Carres gives to a Gland in the third Ventricle of the

Brain; from its Refemblance to a Pine-Apple, See GLAND and BRAIN This Gland he makes the Senforium, or Seat of the reafon-

able Soul. See Sansorium.
Other Authors call it Consider and Constium. See Cons-

PINGUEDO, among Anatomifts, that fort of Fat of Anlands lying next under the Skin. See Far. PINION, in Mechanicks, an Arbor, or Spindle, in the Body whereof are feveral or Notches, into which cutch the Teeth of a Wheet that fevers to turn it round. Or a Pinion is a leffer Wheel, which plays in the Teeth of a larger.

Wheels, See Warch,

Pinnson of Reports is that Pinnson in a Watch which is commonyifixed on the Arbor of the great Wheel, and which in old

Watches used to have but from Leasers; it drives the DilaWheel, and carries about the Hand. See Warchwork.

The Quotient, or Number of Turns to be laid upon the Pi
nion of Report, is found by this Proportion: As the Beast in

mon of Report, is foling by the Frequency of the Beats in an Hour; fo are the Hours of the Face of the Clock, (see, 12, or 24) to the Quotient of the Hour-Wheel, or Dial-Wheel divided by the Pinnon of Report, that is, by the Number of Turns which the Pinnon of Report hath in one Turn of the Dial-Wheel: which in Numbers is 26928: 20196:: 12: 9.

Wheel: which in Numbers is 20028: 20100: 12: 9.

Or rather thus; as the Hours of the Watches poing, are to the Numbers of the Turns of the Fufy; so are the Hours of the Face, to the Quotient of the Printer of Report—
If the Hours be 22, then 16: 2: 12: 2: 9. But if 24, the

If the Houri be 126, then 16:11:11:25.9. But 12:26, the Proposition in 10:11:24.318. When the 11:21:25.9. But 12:26, the Proposition in 10:21:24.318. When the House is the House in one of Reports to say other Wheel, then: As the Beats in one Turn of any Wheel, we to the Beats in an Houry is or the House in the Beats in one of the House is the House in the House in the House in the House in the House is the House in th

and also enables them to carry greater Burdens than others.

They are often used for Store-Ships and Hospital-Ships in

the Fleet. PINK among Painters, a fort of yellow Colour. See YELLOW and PAINTING.

PINNA, a Latis Word fignifying a Feather. See FEA-It is also used figuratively in divers Arts, to express things which bear some Resemblance, in Form, to Feathers; as the

which bear some Refemblance, in Form, to Feathers; as the Fins of Fithes, c.fr. See Fins of Fithes, c.fr. See Fins of Fithes, c.fr. See Fins Pinn A Awit, in Anatonsy. See Eas. Pinn A Awit, in Anatonsy. See Nose. Pinn A Che, to finall Veffel, with a Guare Stern, having Salis and Oars, and carrying three Mafts; chiefly used as a Scout for Intelligence, and for landing of Men. See Vasachus Chem.

One of the Boats belonging to a great Man of War, fer-ving to carry the Officers to and from the Shore, is also cal-

ving to carry the Officers to and from the Shore, is ano cul-led the Finnace, See Board.

PINNACLE, in Architecture, the Top, or Reof, of a House, terminating in a Point. See Roos.

The Word comes from the Latin Finna, or Finnaculum.

—This kind of Roof among the Ancients was appropria-

red to Temples, their ordinary Roofs were all flat, or in the Platform Way. See PLATFORM. Twas from the Pinnasle, that the Pediment took its Rife.

I was from the Pomatic, that the Pediment rook its Ris-land to the Pomatic, and the Pediment rook its Ris-plant of the Pinnard Aris, from Pinna, a Feather, in Boatter, are fach Leaves of Finnts, as are deeply lagged, ont, or in-dented, refembling a Fenther in Sampe. See Leavay, are fach to the Pinnard Risplant of Title top-ther, with Pinnard Risplants and Pinnard Risplants and profits, of the Pinnard Risplants and Pinnard Risplants (Pinnard Risplants and even foundations of dry things, See type of Lights), and even foundations of dry things.

MEASURE.

The English Pint is twofold; the one for Wine-Mexfore, the other for Beer and Ale-Menfore.

The Wine Pint contains a full Found, Assir-due pois, of common running Water; two Pints make a Quart, two Quarts a Pottle, two Pottles a Gallon, &c. See Gallon,

Quarta + Pottle, two Pottles a Casino, were a few Annaulo, Qu'Att, 6°C. and the Casino and the Casino and Cas

Budgus derives the Word Pint from the Greek wiels, Me-

Budeau derives the Word Part from the Greek wing, Menge, from the German Finet, a little Measure of Wine; Nicos from the Greek wines, to drink.
PINTLE, anteng Gunners, an Iron Pin which serves to keep the Cannon from recoiling. See Cannon, Orden

NAMES, RECOIL, C's.

PINTLES, in a Ship, are Hooks by which the Rudder
hangs to the Stern-Polt. See Rudder, C's. hangs to the Suran-Polt. See Kundbars, ore, PIONEER, in Wars, a Labourer employd in an Army, to fmooth the Rands, paß the Artillety a-long, dig Lines and Trenches, Mines, and the other Works. Atmage derives the Word from the Leain Peditance, and

Menage derives the word from the Latin Features, and Penarity of from Familian, a People of Afa, whole principal Emplayment was to dig the Earth in Mines, &r. P1P, Prey of Perly, a Diffuse among Positry; confiling of a white thin Skin or Film, that grows under the Tip of the Tongue, and hinders their feeding.

In unjust arises from want of Water, or from drinking

Paddle-Water, or eating fifthy Meat.—It is cured by pulling off the Film with the Fingers, and rubbing the Tongue with Salt.—Hawks are particularly liable to this Difeste. See Hawk. Silt.—Hawks are particularly flisher to this Difficial. Sec Hawr. UPF 8, in Budding, 67. a. Cand or Conduit for the Con-Pley in Budding, 67. a. Cand or Conduit for the Con-Pley for Water, Water-English, 67. a. v. traflatly of Local, Inne, Early, or Wood.—How of Timber are off-ally cither Oliv or Alder. Sec Timers, 18. Longth about the Conference of the Conference of the Conference of the two foot and shall; feveral of which are pieted loopers, by means of four Secons at each End, with Leather, or of Two for Early are made to the Conference of the Conference of

Those of Earth are made by the Potrers,-These are fit-

ted into one another, one End being always made wider than the other.—To join them the cloier, and prevent their leaking, they are cover'd with Pitch and Tow.—Their Length is usually about the Lime with that of the Iron

The Wooden Pipes are bored with large Iron Augers of different Sizes, facceeding one another from left to larger; the first pointed, the rest form'd like Spoons, increasing in the hirt polated, the rett form'd like Spoons, increasing in Dilimeter from one lich to fix,—They are fitted into the Extremities of each other, and are fold by the Foot. Leaden Pipes are of two kinds the one folder'd, the other not folder'd: For the Confirmation of each Kind whereof,

fee PLUMBERY.

fee Plumbery.

By the Pipes of Organs: See Organs.

Pipe is also a popular Machine offed in the finoaking of Tobacco; constituing of a thoug sinder Tobe, made of Earth or Clay; having at one Enda little Vale, or Furnace, critical controls of the Clay; having at one Enda little Vale, or Furnace, critical controls of the Clay; having at one Enda little Vale, or Furnace, critical controls of the Clay; having at one Enda little Vale, or Furnace, critical controls of the Clay; having at one Enda little Vale, or Furnace, critical controls of the Clay in the

the Boul, for the Reception of the Tobacco; the Fumes whereof are drawn by the Mouth thro' the other End. See TORACCO.

Tousico.

Figur ne made of various Falhiors, long, floott, philips, workly, white, varnilled, uncarnilled, of various Colouns, own the property of the propert

Soptier of 8 Pints.

PIPB, PIPB, in Law, is a Roll in the Exchequer, call'd
also the Great Roll. See Roll, and Exchaguer.

PIPB POPPER, is an Office wherein a Perion call'd the Clerk
of the Pip makes out the Lagis of Crown-Lands, by Wartant from the Lord-Teaturer, or Committeness of the
Treasury, or Cannellor of the Exchequer. See CLERK of

Treadury, or Chinecibor of the Excurgues.

The Bryon of Chinecibor of the Excurgues of the Process of Sherffift, dee an under ply the Carle All Acquired to Sherffift, dee and under the Chinecibor of the Chineci

chief Secondary of the Paper. See Valetti.

Befides the Clerk, in this Office are eight Attornies, or

fworn Clerks, and a Comptroller.

PIRATE, a Perfon, or Veffel, that robs on the high

Seas, or makes Defents on the Confts, c/rc. without the

Permiffion or Authority of any Prince or State. See Par

When Pirates are caught they are usually hangd up with-out Remission, or any formal Trial; fonctiones in the next Port; fonetimes on board the Vessel that takes them. In different Parts they are differently denominated; as in

In different Parts they are differently disformated; as in the Welf India; Buckeners, Free-besters, &C.—In the Mediterrances, Cerjáres, &C. De BUCCASPER, CORSAIR, O'F.
Alexander reproching a Prince with his Condition; was aniwered, II I am a Pirtze, 'tib because I have only along the Welfich and I a Fleet I should be a mighty Capopeuror.

The Word comes from the Greek wie, Fire, becrufe they to bour the Ships, Hoolieg, Ore. of the Illinds where they give to burn the Ships, Hoolieg, Ore. of the Illinds where they

make Defcents.

Pirate Was also anciently fied for the Person to whose Care the Mole, or Peer, of a Haven, in Louis Pera, was intrusted. See Page.

Sometimes, too, according to Spelmon, it was used pro mi-tive maximum, for a Sea-Captain or Soldier.

After in the Life of King Alfred, tells us, juffit naves langus fabricari, impositi qua piratis in illi vian maris custodiendas

commit.

PIRETHER, or PYRETHER, or PIRETTS, or PELLITORY, a Medicinal Root brought from Tomis, of a hot, differentient Quality, used as a Alexpharmic and Phiegmagogue as also to affwage the Toothach, and in the Composition of

Vinegar. Tis of a moderate Length, the Thickness of the little Finger, greyish without, whitish within, and of a sharp, burning Tafte.

barning Talks.

"The petended is took to Mane from Jyrke King of the Company of the Company October to Derrotte Version of the Company of the Company of the Company of the Company of the Mantee Fertiles, from the Greek Sep. Fire. It unaft be chosen sow, day, hard to break, Gr. step it. It unaft be chosen sow, day, hard to break, Gr. step it. It unaft be the Company of the Compan

his Ground.

his Ground.

Frommer as either of one Tread or Pifer, or of two—
The fift is an entire thert Tum which the Herfe natice
popone Tread, and Intella wes Time, is find manner as one
porting out his Hundres——In the Pirmette of two
Treads, or Highs, the time af mail Compile of Cround, almold his Length; and marks both with the fore-part and
the kind. See Parts, and Hiterally English Wibblighe
The Word is Prenty, and Compound of Blummer and Fitch,
See Brussen, See.

See BITUMEN, OF.

There are two Kinds a the one Natural, the other Artifi

The Natural is the same with what we otherwise call slightlam, or Jenish Pitch. See ASPRATIUM.
The Artificial is prepared with equal Parts of the Jenish.
Pitch and common Black-Pitch method together. See

PITCH.

This latter Kind is what is nearly fold in the Shops for the former.—The Coarleness of the black Colour, and the Fetidness of the Smell ferves to distinguish it. The Ancients afed both kinds in embalming their Dead.

The Word is form'd from the Greek wloss, Pitch; and

The Word is form'd from the Greek spions, 19th; and assaults, Blumen.
PISCARY, in our ancient Statutes, the Liberty of Fifting in another Man's Waters. See FISHING.
PISCES, in Aftronomy, the twelfth Sign, or Confletation of the Zodies. See Signs and Constitution.

The Stars in Pifers, in Prolomy's Catalogue, are 38. In Tycho's, 33. In the Britannic Catalogue, 100.—The Longitudes, Latitudes, Magnitudes, & C. whereof are as follow. Stars in the Sign Pisces. Names and Situations of Longit, Latitud, 06 22 7.00 the Stars.

|   | ж        | 11             | 06 | 22       | 7   | 22       | 49                   | В   | ľ  |
|---|----------|----------------|----|----------|-----|----------|----------------------|-----|----|
|   |          | 12             | 06 | 15       | 1 6 | <1       | 40                   | 1B  | ı  |
| In the Mouth of the South, Fifh,  |          | 14             | 35 | 56       | 1 0 | 03       | 10                   | IB. |    |
|   |          | 14             | 41 | 18       | 7   | 01       | 3í                   | В   | ı  |
| South, of two in the hind part of the He                                    | ad       | 17             | 03 | 44       | 1 7 | 16       | 43                   | B   | ı  |
| North, in the hind part of the Head,<br>Preced. of two in the Belk.         |          | 18             | 42 | 17       | . 8 | 32       | 36<br>26             | B   | 15 |
| A final one contiguous to it.   |          | 18             | 34 | 33       | 1 4 | 16       | 40                   | B   | 6  |
| Proced, in the Back.  |          | 20             | 52 | 27       | 9   | 01       | 58                   | B   | ľ  |
| 10 <sub>e</sub>   |          | ١              | ., |          | ١.  |          |                      | Ė   | 1  |
|   |          | 17             | 16 | 47       | 1 2 | 0.1      | 54                   | R   | l  |
|   |          |                |    |          |     | 46       | 20<br>36             | B   | ı  |
|   |          | 19             | 13 | 58       | 1   | 24       | 53                   | В   | 1  |
| 19  |          | 20             | 34 | 43       | 3   | 37       | 54                   | В   | 1  |
|   |          | 21             | 05 | 46       |     |          | 34                   |     |    |
| Subleq. in the Back.  |          | 23             | 18 | 38       | 7   | 12       | 12                   | В   | ŀ  |
| Subfeq. of two in the Belly.  |          | 22             | 10 | 30       | 1,3 | 25       | 07<br>22             | B   | ı  |
|   |          | 23             | 56 | 55       | 4   | 32       | 43                   | B   | ļ  |
| 204   |          |                |    |          |     |          |                      |     |    |
| ift, of thefe preced, the Square<br>under the South, Fift,)                 |          | 21<br>23<br>24 | 48 | 21       | 1   | 19       | 43                   | AB  | 6  |
| mater the South, Pith.  |          | 24             | 50 | 44       | 1 2 | 28       | 47                   | В   | į. |
| Second.   |          | 22             | 47 | 44       | 2   | 11       | 39                   | ٨   | 6  |
| 24  |          | 27             | 22 | 55       | ١°  | 58       | 13                   | В   |    |
| Preced. of North, in the Square.  |          | 23             | 57 | 34       | 1 2 | 07       | 49                   | Α   |    |
| In the Tail of the South, Fifth.  |          | 28<br>24       | 14 | 55       | 6   | 22       | 15                   | В   |    |
| Subfeq. of the North in the Square.<br>Preced, of the South, in the Square. |          | 24             | 53 | 94       | 2   | 57       | 45                   | Ą   |    |
| Proces, or the South, in the Square,  |          | 20             | 40 | 12       | 1 7 | 57       | 15<br>45<br>33<br>50 | B   |    |
| 30  |          |                |    |          |     |          |                      |     |    |
| That which follows over the Tail.<br>Subleq, the South, of those in the     |          | 29             | 38 | 45<br>38 | 7   | 31<br>45 | 43                   | B   | 5  |
| Square under Pifices)   | v        | 2              | 26 | 23       | 1 2 | 12       | 37                   | B   | 5  |
|   |          | 2              | 37 | 16       | 6   | 36       | 03                   | В   | ı  |
|   |          | 2              | 45 | 08       | 15  | 54       | 26                   | В   |    |
| 35  |          | ĺ              | 04 | 06       | İm  | o«       | 36                   | В   | ١. |
|   |          | 3              | 11 | 38       | 6   | 24       | 02                   | В   |    |
|   |          | 6              | 13 | 45       | 13  | 12       | 02<br>04<br>03       | B   |    |
| In the Line next the Tail of Pifer,   |          | 0              | 20 | 16       | 12  | 27       | 36                   | B   | ı  |
| 40  |          |                |    |          |     |          |                      |     |    |
|   |          | 6              | 09 | 48       | 10  | 09       | 08<br>48<br>49       | B   | П  |
|   |          | 7              | 16 | 10       | 0   | 44       | 40                   | A   | П  |
|   |          | 4              | 36 | 55       | 4   | 30       | 42                   | B   | ľ  |
|   | $\gamma$ | 9              | 57 | 40       | 15  | 06       | 45                   | В   | 1  |
| 45 -  | Y        |                | 16 | 42       | 13  | 37       | 31                   | В   | ı  |
|   |          | 8              | 43 | 31       | 12  | 16       | 31<br>56<br>13       | B   |    |
| Second from the Tail in the Line.   |          | 9              | CR | 47       | 11  | 39       | 13                   | B   |    |
| second nom the 12th In the Line.  |          | 11             | 18 | 42       | 15  | 22       | 53                   | B   | ı  |
| 50  |          |                |    |          |     |          |                      |     |    |
|   |          | 10             | 08 | 47       | 10  | 21       | 41<br>24             | B   |    |
|   |          |                |    |          |     | 43       | 42                   | BI  | ı  |
|   |          | 14             | 08 | 49       | 6   | 22       | 42                   | B   | B  |
| **  |          | 14             | 16 | 36       | 13  | 19       | 58                   | B   | E  |
|   |          |                |    |          |     |          |                      |     |    |

55 Proced, of the bright Stars in the Line 9 12 22 1 31 48 B 14 57 38 14 30 43 B 9 37 31 1 37 28 B 9 49 17 2 09 44 B 13 34 02 10 44 49 B

| PIS  |                      |                      |                            |                     |                      | (                          |                       | i           |
|--|----------------------|----------------------|----------------------------|---------------------|----------------------|----------------------------|-----------------------|-------------|
| Names and Situations of St.  | I                    | ong                  | şit,                       | La                  | tite                 | d.                         |                       | Magn        |
| recod. of 3 in the Heid of the<br>North, Fifh.)<br>iddle of thofe in the Head.<br>Rft of 3 in the Head of the North, Fifh.<br>recod. of 2 against the Eye of the | 19                   | 43<br>23<br>33       | 46<br>29<br>22<br>53<br>41 | 19                  | 29                   | 38                         | BBB                   | 66665       |
| North, Fifth, 65<br>fiddle of the bright Stars in the<br>South, Line.)   | 13<br>16<br>12       | 12<br>23<br>46<br>06 | 11<br>36<br>09<br>00<br>21 | 7 1 12              | 04<br>23<br>10<br>21 | 07                         | BBAB                  |             |
| 70<br>hbfeq, against the Eye of the North,<br>Fish.)<br>liddle, in the Fin of the Back.  | 23<br>12<br>24<br>19 | 46<br>41<br>04<br>18 | 30<br>48<br>18<br>25<br>37 | 23<br>1<br>22<br>12 | 06<br>55<br>47<br>28 | 23<br>32<br>51<br>46       | BABB                  | 56667       |
| pper, in the Fold of South, Line, iff of 3 in the Fin of the Tail, orth, of 2 against the Mouth of North, Fish.) South, of the same.                             | 13<br>19<br>24<br>23 | 37<br>17<br>27<br>58 | 12<br>47<br>32<br>26<br>27 | 1<br>11<br>21<br>20 | 30<br>18<br>59<br>42 | 24                         | A<br>B<br>B<br>B      | 1 56657     |
| hat follow the Fin of the Bick,<br>buth, of 2 in the Belly,<br>aft of 3 bright ones in the South,<br>Linc.)  | 20<br>13<br>22<br>15 | 11<br>21<br>08<br>32 | 43<br>16<br>31<br>13       | 12 4 15 0 7         | 25<br>50<br>29<br>13 | 29<br>30<br>02<br>25<br>27 | B<br>A<br>B<br>A<br>B | 57547       |
| 85<br>obth, of 2 in the Fold of South, Line,<br>orth, in the Belly,<br>nother following it,  | 24                   | 27                   | 53<br>04<br>10<br>21<br>54 | 17                  | 26<br>39             |                            | B                     | 6 7 6 5 6 7 |
| reced, of the contiguous in the hend-<br>ing of the Line) Subject, of the fames<br>to the Tall of )<br>the North, Fifh.)   | 17<br>13             | 56<br>56             | 12<br>27<br>00<br>45<br>23 | 93#                 | 23<br>34<br>57       | C3<br>58<br>52<br>39<br>49 | A                     | 5 7 6 7     |
| of those in North Line before the lorth, of 3 in North, Line.  | 22                   | 20                   | 40<br>20                   | 3 5 4               | 04<br>21             | 25                         | A<br>B<br>R           | 4 3         |

T

| ad of those in North Line before the    | 18 46 40                         | 3 04 24                       | Λ   | 5   |
|---|----------------------------------|-------------------------------|-----|-----|
| North, of 3 in North, Line.             | 22 29 20                         | 5 21 07                       | В   | 4 3 |
| Middle of those in the North, Line,     | 23 11 35<br>22 35 18<br>24 41 39 | 4 20 47<br>1 52 05<br>5 51 46 | BBB | 50  |
| 100                                     |                                  | , , , ,                       |     |     |
|   | 23 50 06                         | 3 40 32                       | B   | 67. |
| 2d of those in South, Line before the   | 21 10 37                         | 4 43 12                       | Ā   | 5   |
| Knee.)                                  | 26 47 42                         | 9 01 34<br>8 36 20            | B   | 8   |
| TOS                                     | -, -, -,                         |                               | -   |     |
| That next the Knot in the North-Line.   | 23 24 40                         | 1 38 58                       | Α   | 5   |
| aft before the Knot in South Line.      | 23 11 18                         | 7 55 45                       | Ā   | _5  |
| * | 24 42 05                         | 8 35 05                       | Ą   | 6.  |
| In the Knot of each the two Lines. V    | 25 02 33                         | 9 0; 10                       | Α   | 3   |

PISCIS Volans, in Aftronomy, is a Conftellation of the Southern Hemisphere, unknown to the Ancients, and invisible to us in their Northern Regions. See Constella

PISCINA, in Antiquity, Fift-Pand; a large Bason, in an open gubite Place, or Square; where the Roman Youth learnt to livin; and which was forrounded with a high Wall, to prevent the cuffing of Filth into it. See Swimming.

PISCINA was also the figure Bason in the middle of a Bath. See Bayn.

Bith. See Bayu.

The Word is found to Latin Pilit. Fifth because The Word is full fifth on the Latin Pilit. Fifth because The Word is full fifth and the Market were admitly kept in some of them.

\*\*June 12 \*\*Line Pilit Fifth Control of Water, ener the Court of Solomo's Temple; so called from the Gorder angless, sheep, because they here wall of the Beal's defined for Sacrifice. See Sacrifica.

By this Pilitar it was that our Sardour wrought the nitral was the court of Sardour wrought the nitral was the sardour sardour wrought the nitral was the sardour was

colons Cure of the Paralytic.

colous Cure of the Parayuc.

Daulier observes, there are still remaining five Arches of
the Portico, and part of the Basin of this Pifcins.

PISCINA, of Lawaray, among the Tarks, is a large
Basin in the middle of the Court of a Mosque, or under the

Buon in the middle of the Court of a Mosque, or under the Portico's that encompals it. See Mosque,
Its Form is infaulty a long Square, built of Stone or Marble, furndlifd with a great Number of Cocks; wherein the Mailfulmen wash themselves before they make their Prayers, as being perfunded that Ablution effaces Sin. See A a-

LUTION.
PISSE EUM Indicam froms to be what paffes in the
Stops for Barbadoes Tar,—It has a ftrong Smell not unlike
the common Tar, and is not very pleafant to Sight or Tafte.
It is accounted a good Bulfamick, and where the Stomach

PIS

can dispense with it will do great Service in many Disorders of the Breast, which has also been experienced of common Tax. See Tax.

Tat. Sec Tar.

PISTACHO, or Pastac it Nat, a Fruit brought from feveral Pars of Afia, chiefly Afisps and Perfea.—When wrapt in all its Coats, 'tis of the Size of a green Almond;' but when firipe of all but its Shell it refembles a final Nat.

Amendment of the Afia and Stephen and S agreeable.

The Tree that produces it is a kind of Turpentine-Tree:
The Nuts are to be chosen new, heavy, and full; as to those

The rule are to be ender new, newly autituity as to ender that are broken, fach as have kept their Colours belf are to be preferrd; for as to the Size it a Fancy. Philosober argentive, proper to give Vigour, and are used in Emulsions, &c. in Phinistical and Nephritical Cafes. They allo enter leveral Regouties, are comitteed, made into Con-

ferves, &c.

The Word is form'd from the Latin Pifiatium, of the Greek mainum; whence according to Menage the City Pfit-tacus took its Name.

seasu took its Name.
There is likewise a kind of take pitches brought from
There is likewise a kind of take pitches brought from
all ones, tho' very different, both with regard to the Plant
ones, tho' very different, both with regard to the Plant
that produce them, and their Quality. The Plant does not
grow above a Foot high. Now does the Peult grow on the
Pool formations only contains a fingle Natt, which it refumbles an Olive; but nimity, feveral; and in that Cale
they are irreplain. The Siddhares is white; compact and
they are irreplain.

This Fruit is rarely eat raw, because of the ill Effects it Anno Francis rarely est raw, became of the III Effects it produces; "its unfully roaffed or conflictd; is uffed in Ragouts; and to make Ratifia's.

PISTE, in the Manage, the Track, or Tread, which a Horfe makes upon the Ground he goes over; and which may be either inpule of Analy.

Hore mixes upon the Ground he goss over; and which may be either inghe or double.

Circle, or rather Square, he will make but one; if he elther makes him gallow with his Hanneshes in, or go Tirre A
Terre, he will make two Piller, one with the fore-pure,
another with the hind.—And the time if he likely makes him
pillage, or go file ways, either in a first Line, or an
The World is Error. In all Treat Hemilies Tree.

The Word is French, and literally fignifies a Track.
PISTIL, in Botany, a little upright Part in the middle
of the Calyx, or the Leaves of Flowers; call'd also the Style,

SeeStyle.

The Pilit is an effential Part of a Flower; and the principal female Organ of Generation; it being in this that the

trait influence organ of Ordertation's it towns in that the Seeds or young Plants are form'd. See Flower, It arifes from the Pedicle of the Flower, or the Center of the Calyx, and at length becomes the young Fruit, which is formetimes hid in the Calyx, and formetimes quite out. See Jonetimes nig in the Carys,

FRUITY, CALYX, C's.

The Figure of the Pifitl is very different in different Flowers: Sometimes 'ties a luttle Stalk, which enlarges at the two

ers: bornetimes 'tis little Stalk, wanch enlarges at the two Ends like a Petiles, formetimes tis a mere Samen or Thread: Sometimes 'tis round, fometimes figure, triangular, oval, dr., Almoft 31 Pgill are farnish'd at top, either with fine Hairs, which makes kind of Velveling; or with little Fila-ments dispoled in Plannes; or are be-let with little Velicles

ments unposed in James, or Halles, fill of a glatinous Joice.

Some Flowers have feveral Piffils, or rather the Piffils terminate in feveral Branches, or Horas, which have their Rise minate in feveral Branches, or Horas, which have the second by the feveral Branches, or Horas, which have the second by the feveral Branches, or Horas, which have the second by the feveral Branches, which have the second by the feveral Branches, which have the feveral Branches minate in feveral Branches, which have the feveral Branches minate in feveral Branches, which have the feveral Branches minate in feveral Branches, which have the feveral Branches minate in fevera from as many young Fruits, or as many different Capfulæ,

will rise thro it, as through a Pipe.

Will rise thro it, as through a Pipe.

By opening the Pylls in their different States or Growths,

By opening the Pylls in their different States or Growths,

By appears evidently, that it their form the young Frairs;

and contain within them the Euchero's of the Soeds; whether thoir Seeds be diffused thro' the whole Length of the tone range seeds be dutined thro the whole Length of the Phill; or whether they be all incloted in its Bate: And that they are always open a-top, and perforated, either more or leds tentility, to the Bottom: Though this Cavity is frequent-ly efficed as the young Fruit grows; and fonetimes a Part of the Phill; which Malpipli calls the Syle, or Needle, drys and fille of

The Pifil, we have observed, is the Female Organ of Generation; its Base does the Office of the Uteria, or Womb, in Women; and its Length that of the Vogina. See UTERUS and VAGINA.

It is encoupfied with the Stamina, the Apices whereof are full of a fine Daff, call'd the Enrina Eccundant; which burfling its Velicules, or Apices, when matter, is fined on the upper Part of the Putil, and thence convey'd by the

PIT

Covity thereof to the Bufe or Uterus; where boing fied with Veiffel; and which is appended to have acquired an attribute of the property of th

FARINA, Or.
For a more diffinit Account of the Process of Generation
of Plants. See Plants.
PIST OI, a little Fire-Arm, bore at the Saddle-Bow,
the Girdle, or in the Pocket. See Firm-Arm.
The Pibel is fidd to have taken in Name from Pibel of

The Pifel is that to have taken its Name from xygog a City in Ludy, where, as Kausker tells us, they were fiff mide—Boral derives the Word from Fiftala, Pipe, the Barrelo of this Piece bearing fome Refemblance to a Flutt, Gr. PISTOLE or Thubban, in Commerce, a Gold Coin, frunk in Spain, and several Parts of Indy, Switzerland, &c. See Coin.

See Coins.

It has its Augmentations, and Diminutions; which are
Quadrayle Pillules, Double Pillules, and Half Pillules.

The Pillules is about the fune Weight, Filmentle, and Value, with the Franch Louis d'ors, viz. equal to Sixteen Shillings and Six Pence, Sterling,

In Spain the Pillule is accounted equal to four Pieces of

In Spain the Pillule is a Counted to the Pillule is the More of the Pillule is a Counted to the Pillule is a Counted

The Spann the Pipole is accounted equit to four Friedes on Intelligence and the Pipole is accounted to the Pipole of Marse-philips in Kingle in Pipole in Annalysis of Marse-Monrey current at Serull, Calife, in Andalajo, &c. being 52 per Cun. better than the intelligency Monrey they reckon by at Maderial, Billows, &c. which Augmentation was made by Califer III. 1666. to prevent the Exportation of the New York California of the Marse-ter and the California of the Marse-tine and the

Medi of the Exchanges in feds are made on the Foot or the Piblis. See Excentions.

PISTON, a Parts or Number in ferend Machines, particulty Plumps, Advirungs, Syringes, Oc., cirl dia lib. Excentility Plumps, Advirungs, Original See Carlot allow Land Carlot or the Carlot or the Extra of Body; and which be ing work dup and down alternative pheneins, salies the Vitars, a Valve, whereafth it is framified, and in 6 cleape ther the Node of the Pump. See Puss.

PIT and Gallera, it out an and the Carlot of Ca

C Fossa.
PITANCIARIUS, an Officer in the ancient Mosafleries, whole Business it was to provide and distribute the Pitances of Herbs and Meat, amongst the Monks. See Pir-

TANCE: P. Y., a little formation like, or Cum drawn from firty Wook, child Pimes as if free; due! in Shpping, in Medicine, and various other Arts.

Phel is propelly a juice of the Birt, and it conceived to be no other than the Oft thereof insplittine and turned black, the properties of the propertie very thick, gives it the black Colour we find it withal-Some will only have our common Pitch to be the laft Run-ning, and Tar to be the fifth. See Tar.

ning, and Tar to be the first. See IAR,

Worder gives us another Manner of drawing Pitch, used in the Levan, ... A Pit is dug in the Ground two Ells in Diameter a-top, but contracting as it goes deeper: This they fill with Branches of Pine, cloven into Shivers... The top of the Pit is then covered over with Fire, which burning down to the bottom, the Fiteb diffils and runs out at a Hole

made therein. made therein.

Pitch acquires different Names according to its different Perparations, Colours, and Qualities. As it diffits from the Wood it is called Berrat, but afterwards affiames a double Name, the finelt and cleareft being called Galipar, and the

Name, the finett and cleareft being called Galipot, and the confer, marbid Barras.

Of the Galipot is made what we call white Fach, or Bargand Fitch, which is nothing but the Galipot melted with Oil of Turpentine; the form will have it a nature Fitch, diffilling from a Refinous Tree growing in the Mountains of the Franche Compte.

Of the fame Galpot is likewife prepared what we call Re-fins by boiling the Pitch to a certain Confiltence, and ma-king it up in Caless. See ROSIN.

The black Pitch, which is what we properly call Pitch, is the Diguid Calipot Bernt and reduced into the Form and

Confidence we fee it in by mixing Ter with it while hot.

The best is that brought from Sweder and Normey.—Its
Goodness consists in its being of a shining black, dry, and brittle.

Natual Pitch, Pix Natualis, is that drawn from old Pines, rangel and burnt like Charcoal,—This, with the Mixture of Tow or beaten Cables, ferves for the pitching of Veffels. Natual Pitch is also that feraped from off the Sides of old

and pliable.

The Ancients call'd it Colophony, from Colophon a City in Greece, whence great Quantities were brought. See Colo-

Oll of Pirch, Olean Picinum, is an Oil procured from Pitch, by separating the aqueous Matter that swims a-top of the melted Pitch.—This for the great Virtues attributed

to it also call'd Balm of Pitch.

Pirch, in Building, is the Angle, a Gable End, and confequently the whole Roof of a Building, is set to. See

GABLE.

Gable.

If the Length of each Rafter be 4 of the Breadth of the Buddings, the Roof is that to be rear pixels. If the Rafters are longer, this find to be a high or flower pixels Roof 3, if flowers, which feldom happens, it is find to be a loss or flow pixels Roof 5, if flowers, which feldom happens, it is find to be a loss or flow pixels Roof. See Roof, RAFTER, Gr. Pircu is also a Sea-Term.—When a Ship falls with Pircu is also a Sea-Term.—When a Ship falls with Pircu is also a Sea-Term.—When a Ship falls with Pixels too most limo the Sea, or bests against it to as to

endanger her Top-Mafts, they fay, the will pitch her Malls

by the board.

PITCHING-Penes, a Duty, commonly of one Penny,
paid for pitching or fetting down every Sack of Corn, or
Pack of Merchandize, in a Fair or Market.

PITH, PIT, or PITTE, the inward, central Part of a

PITH, PIT, or PITTS, the inward, central Part of a Tree, or Plant; answering to the Medella, or Mirrow, of ant Animal. See PLANT, TARE, &r.
Some will have the Circulation of the San to be efficient by means of the Pub; others by the Bark; and others by the Wood. See Say, Chrollation, &r.
PITHIA, and PITHIAN. See PYTHIA and PT-

PITT, Carea, of a Theatre, all that Space between the Amphitheatre, or Galleries, and Theatre or Stage; call'd by the Ancients Orchestra, and by the French Parterre. See

TMEATRE, Co.

THENTIA, CT.
This being, the most commodions Part, it was here the
Rosso Senie was placed. See Occusers.
It has its Name Print, in Least Gence, from its being fank
that its Name Print, in Least Gence, from its being fank
PITTAGUM, sersoon, in Chicurgey, a Name which
from Andron give no intel Coah Proposed with a Salve, to
be hids on a Part affected.
PITTAGUM, sersoon, in Chicurgey, a Name which
print and print 
The Word is not much used except among Religious, and those who live in College or Community.— Da Cauge derives it from Pintlantia, rives it from Pintlantia, used in the lower Latin for a Mo-nachal Portion given to two Monks in the same Dish, con-sisting of something better than Pulse.

Hence we fometimes also find it denote a Meal, or Commons, hetter than ordinary; such as is allowed in Communities on Feast Days.

nities on Feifi Days.

Others derive the Word à piesser; and others, with SalassCollers derive the Word à piesser; and others, with SalassCollers derive the Word; or Dendon, allowed the Solicita,
mentioned in Sevent Medi, or Dendon de Collection
mentioned in Sevent Medio and the Collection
mentioned in Sevent Medio and the Salasser
Medio and Medio and the Salasser
Medio and Medio

The Pituita, call'd also Phlegm, is properly the most vif-

The Pittaris, call'd ano Prabegn, is properly the most waid, and gluttinos Part of the Blood, Reputated in the largest Glunds, where the Contortions of the Arteries are general, and give the greaterst Restardation to the Blood's Velority, as in the Glands about the Mooth and Head. See San The Coll of Philosometry, and the College of Particion.

The Coll of Philosometry, Sunnay, Gr., are impossed to pure Pittaria. See Philosometrous, Poncartus, Max-

The Phylicians give feveral Epithets to the Pituita, ac-

The rayucians give several epithies to the Pattura, according to its Condition or Qualities, as Salint, Vitreout, Ogósus, Acid, &c.

The Pitatta is supposed to be the prevailing Humour in cold, heavy, slow Poople, inclined to Scriodness and Study; as the Bile in those inclined to War, &c. See Phleo-

MATIC.
The Pituita discharged at the Nostrils, is separated in the Membrane that lines the Cavities of the Nose, Cheeks, O's. See Nose.

Its Use is to keep the Membrane fost, and defend it from Injuries of extraneous Bodies, especially those of the Air, which passes this Way in Inspiration when the Mouth is shut.

PITUITARY Gland is a Gland in the Brain, fomewhat

BRAIN.

Of the Sike of a very large Pas in the Sells of the Orly Ophendies, under the Infinithum, wherevish it from unministes; reciving from it a Lympha, or Juice, which tenfondbhumle derives from the Plexas Choroides and pleuci Gland; and from this Lympha does the Gland take its Name. See Investing to the Cland take its Name. See Investing to the Cland take its visite Liquor very fieldle, and apparently very flortinous white Liquor very fieldle, and apparently very flortinous.

a white Liquor very notice, and sprace of the Control of Blood, which toaches this Glorady and which is open to it in the Place Control, but the Glorad lies printly in the Blood.

—This, that Author tales too to the Olive of a Rathoras Merical, in keeping, the Clind in the Dogger of Warmah of the Control 
as well as in Men.

M. Littre gives an Inflance of a tedious Difase, and at length Death, atiling from an Obstruction and Inflammation of

this Gland.
PIVOT, a Foot, or Shoc of Iron, or other Metal, ufa-ally conical, or terminating in a Point; whereby a Body, intended to tard round, bears on another fix'd at Reft, and performs its Circumvolutions.

Large Gates, O'c. usually turn on Private. The Ancients tell us, they had Theatres in Rome that held Eighty thousand People; which yet turn'd on a fingle Privat. See THEATRE

and AMPHITHEATRS.
PLACARD, or PLACART, or PLACART, a foreign Term, frequent in Gazettes, the fearer yet natura-

lizzd.

It fignifies a Leaf, or Sheet of Paper, firetch'd and applied upon a Wall, or Poft. — Edifit, Regulations, or, are to be made public in Pleasards.

The Word Pleasard is also nied for a Libel, or Lampoon.—At Rome, Pleasards against the Pope are frequently fixed in the Night-time, to the Statue of Paguin. See Pasqur

NADE.

Placarb, the Door of an Architecture, the Decoration of the Door of an Apartment; confifting of a Chambrante, crown'd with its Frieze or Gorge; and its Corniche fometimes fupported by Confoles. See Doors.

Placarb, no ur Cultoms, a Licence whereby a Perfon apermired to thoot in a Gun, or to nie unlawful Game.

See GAME.

PLACE, Lorse, in Philotophy, that Part of immovable
Space which any Body poffess. See Body and Space.

Artifest and his Followers, divide Place into External and

Internal.

Laterial Place is that Space or Room which the Body fills or contains.

—External is that which includes or contains the Body; call'd by Jerighet, the first or concave and immovable Surface of the ambient Body.

This contracted is the Colonia. movaue surrace of the ambient Body.

Tis controverted in the Schools, whether Internal Place
be areal Entity, or only an imaginary Being; i. e. whether it
be any thing intrinfically; or only an Aptitude and Capacity

of receiving Bodies,

Some maintain it a positive Being, Incorporeal, Eternal, Independent, and Infinite; and affert it to be no other than the Immensity of the Godhead.

the fumensity of the Goshead.

The Carridans, on the contrary, hold Internit Place, sh-firsally considered, to be no other than the vary Extension of the Brists contribuil therein; said therefore in no wife The Schoolmen likewise dispute whether Extensed Place to moving the morable or immersible. Its Immobility is argued from this Goshieration, that what moves must necessified place to the place place of the place place of the place place of the place place in the place place. Whether the control is the place p ins reast, which is cannot do it it go along with the morable.

Others charge an Abfardity on this Opinion of Artifatts,
with That hence it follows, that a Body really at reft is
continually fillifting Place: A Tower, for inflance, on a
Plain, or a Rock in the middle of the Sea, in regard the
one and the other are continually incloded with new Air

Artifacts and the other are continually incloded with new Air

or new Water, must be faid to be in Motion, or to change To falve this Difficulty, and ward off the Abfordity which 

The Cartefans deny External Place to be either a fur-rounding Surface, or a Body furrounded, or a mean Term

between the two; and concive it to be the Situation of a Body among address Bodiese consider as at reful.—The Body among address Header consider the fune Plare, the 'bea emblean' Air be changed union in the fune Plare, the 'bea emblean' Air be changed union the testimal the inter-Situation, with regard to the neighbouring tilling. Trees, and other Parts of the Earth, Sit IJaw Neuron better and more intelligibly diffinguishes Place into Abifects and Relative.

Place fino Adjular and Rations,
Adjular and Promy Place is that Plat of Infolice and Insorting
Adjular and Promy Place is that Plat of Infolice and Insorting
Rationary Place is that Space it postficial confdered with regard to other adjunct Objects.— Dr. Calesdels mother kind of relative Place, which he calls relative
to the conformation of the Conformation of the Conformation
Rationary Company of the Conformation of

remion. See Extrassion.

The proper idea of Plare, he fays, is the relative Position of any thing, with regard to its Diffance from certain fird Points; whence we fay, a thing hasor has not changed Plare, when its Diffance is not altered with respect to those Doubles.

Bodisa.

For the Figur of P.1 a.c. Set Vistors,
For the Figur of P.1 a.c. Set Vistors,
For the Figur of P.1 a.c. Set Vistors,
Which can be Deltake of Oper F.1 a.c. Set,
which can be presented by the Company of the Company
For Figur. Set Don't E. Gibb. Operio, Set, 683, by which
two Specktors in D and E. Gibb. Operio, Set, 683, by which
two Specktors in D and E. Gibb. Operio, Set,
For Figur P. a.c. Set,
For Figur P. a.c. Set,
For Figur of the Operiod Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figur
The Company
Figu to the Diffance of the other Spectator from the same Object

Optic PLACE of a Star, is a Point in the Surface of the Mundane Sphere, as C or B, (Tab. Africasmy Fig. 27.) wherein a Spectator in E, or T, fees the Center of the Star S, See Star and Planer.

This is divided into true and ap

This is divided into rear and apparent.

The or ard Object 1.x a.c is that Point of the Sarfaceof the Sphere, B, wherein a Spectitor, pitted in the Contex the Sphere, B, wherein a Spectitor, pitted in the Contex to Sphere and Spher

rrs. The Diffance between the 1000 Optic Places is what we call the Parallax. See Parallax.

Place of the Sun, a Stor, or Planet, finiply, denotes, the Sign and Degree of the Zodiack, which the Body is in. See

Sign and Degree of the Zollitzk, which the Body is his. See Strong Strate, Order Strate, Order Strate, Decker Strate, Decker Strate, Decker Strate, Decker Strate, Decker Strate, Decker Strategy, and the Effect of Strate, See Strate, Control Louistude city, and therefore conditions with the Louistude city, and therefore conditions with the Louistude City and the Strategy and the

the Sun't Place. See PLANET.

About PLA 2. See PLANET.

About PLA 2. See that Polar of her Orbit wherein the
This, by reafon of the great inequalities in the Luner Motons, which remote A humber of Equations and Rededitions
needings der the hist Polar be fraudi, is of various kinds;
needings der the hist Polar be fraudi, is of various kinds;
needings der the hist Polar be fraudi, is of various kinds;
needings der the hist Polar be fraudi, is of various kinds;
needings der histories histories histories of the polar or the properties of the proper

Eccentric PLACE of a Planet in its Orbit, is the Place, or Point of its Orbit, wherein a Planet would appear if feen

from the Sun. Thus suppose NEOR the Ecliptic, NPOQ the Planet's Orbit, the Sun in S, the Earth in T, and the Planet in P: the right Line SP express the Eccentric Place in the Orbit. the right Line SP expreshs the Executive Place in the Orbit. Heliocetarie Place a, of a Planet, or its Place E, of a deed seed to the Ecliptic, or the Executive Place in the Edigici, os that Point of the Ecliptic to which a Planet, view'd from the Sun, is referred. See Heliocentrace.

This coincides with the Longitude of a Planet view'd from the Sun. See Longitude of a Planet view'd from the Sun. See Longitude.

Thus the right Line R.S. (fame Fig.) deligns the Heliocentric Plate, or Plate reglated to the Ecliptic. Geographic Pt. A'CE is that Point of the Ecliptic, to which a Planet view'd from the Earth is referred. See Geogra-

Thus, NEOR (Iame Fig.) representing the Ecliptic, &c. TR will represent the the Goesentric Flact.
PL.ACE of Radiation, in Optics, is the Interval, or Space in a Maclium or transparent Body, thro' which any visible Object radiates, See Radiation, or Co. PLACE, in Geometry, is a Line used in the Solution of oblems; more usually call'd by the Latin Name Locus.

Problems; See the Doctrine of Geometrical Places, under the Article Locus.

PLACE, in War, is a general Name for all kinds of Fortreffes, where a Party may defend themselves; and may be defined to be a Place so disposed, as that the Parts which encompais, it defend and flank one another. See Form and A from Place, is a Place flank'd and cover'd with Bafti-

ons. See Bastion.

Regular Flace, is that whose Angles, Sides, Bostions, and other Parts are equal; and is usually denominated from the Number of its Angles, as a Pemagon, a Hexagon, &c. See Pentagon, Hexagon, &c.

Palma nova, built by the Venetions, is a Dodecagon. See DODECAGON.

Irregular Place is that whose Sides and Angles are un-

PLACE of Arms, in Fortification, is a firong City, or Town, pitch'd upon for the chief Magazine of an Army,

Town, putted upon to a constraint of the Arms in a City, is a large open Spot of Ground, where the Garrison holds its Rendezvoes at Reviews, and in Cales of Alarm, to receive Orders from the Governor. See GARRISON.

PLACE of Arms in a Siege is a spatious Place cover'd from the Enemy, where the Soldiers are kept ready to sufigin those at work in the Trenches, and to be commanded flain those at work in the archange, to the Places where they are wanted.

PLACE of Arms particular, in a Garrison, is a Place near every Bastion, where the Soldiers, sent from the grand

near every Bittion, where the Soldiers, lett from the grant Place to the Quarters affigned them, relieve tolde that are either upon the Guard, or in fight.  $P_{1A.G.G.} = gAmm milvas_1$  is A Place allowed to the Co-vert Way, for the planting of Cannon, to oblige those who advance in their Approaches to retire.  $P_{1A.G.G.} = gAmm$  in a Cannp, is a large Space at the Head of the Cannp, for the Army to be ranged in and drawn up

There is also a Place for each particular Body to affemble.

See CAMP. in Battalia.

PLACE of Arms of a Troop, or Company, is the Spot of Ground on which the Troop, or Company, is drawn up, See TROOP, &c.

PLACE, among Logicians, Orators, &c. is the Seat of a Argument, or that from which it is taken. See Arguan Argume NT and Topic.

There are two forts of Places, viz. Inartificial and Arti-ficial.—The first, the Place of Testimony, Authority, &c., The second, that of Reason; as when we argue from Univerfals, e. gr. from Genus, Species; from Causes, as the End, Efficient, Matter, Form, O'c. Common Place. See Common Place.
Place of Units, Tens, C's. See Unit and Numera-

PLACENTA, in Anatomy, a foftish Mass, found in

the womb or a pregnant woman't, wherein the Ameters in simposed, the Blood was purified and prepared for the Non-rithment of the Fectus. See Fortus. Hence they also call'd it Heper Uteriaum, the Liver of the Womb5, as if it did the Office of a Liver in preparing the Blood. See Liver. It is call'd by the Moderns Placenta, q. d. Cake or Cheefe-

It is called by the Moderne Plannta, y.d. Calte of Carly-Carly because in Port of a Calter to be only a Mod for explained Blood; so for in the preline, or washine it, it clif-lower; and it real the Unablical Velfels to reft on. So Unra LTCAL:
It figure is not malbe that of a Plance without Parties and Plance for the Unablical Velfels to reft on. So Unra LTCAL:
It figure is not malbe that of a Plance without Plance in The Carlo C hatever fome pretend, is not certain.

In Women, unless in case of Twins, &c. there is

one: However, the Number generally answers the Num-ber of the Feetus.—In some Brutes, especially Oxen or Sheep, they are vere numerous, sometimes near an hundred, even for one Foctos, finall, and refembling pretty large conglomerate Glands

Tis a great Dispute among the Anatomists of the Royal This pure Diffuse among the Anatomitis of the Royal Acadomy of Pains, whether the Hazaras have any external Cost, whereby it is considered to the Womb.—Mergy multitains it has none; and that nothing in indirect the Blood of the Mother from pulling out of the Womb into the Pieces and Womb into the Pieces and Womb into the Womb into the Pieces and Womb into the Contrary, but cally a Portion of the Chorion condensed or thickend, Sec Choratton.

PLACITA, Pleas, a Term frequent in our Laws and offoms. See PLEA. Cuffoms.

Cuffoms. See Pl.BA.
Originally, Placine fignified certain publick Affemblies, of all Degrees of Men, wherein the King prefided, and where the great Affairs of the Kingtom were confilted upon.
These Affemblies were call'd Placine generalia, because Generalitas univerforum majorum tam Clericorum quam Laico-rum ibidem conveniera.—And, hence, the Decrees, Ordi-nances, Sentences, &c. of the Affembly were also call'd

Sim. Dunel mensis tells us they were held in the open Fields; for, siys he, Nullam operate Regem in literia assessor curiam, quia ubi rex judicat in apero, ibi est Caria sua. See Count and Cunta.

Some will have these Placita generalia, and Carie Regis, to be much the same with what we now call a Parliament. See

PARLIAMINY.

The Lords Courts came hence also to be call'd Placita generalia, tho oftener Caria generales; because all their Tenants and Vassals were obliged to appear in them. See LORD

VASSAL, O.C. We also meet with Placisum nominatum, for the Day ap-pointed a Criminal to appear in and make his Defence, Leg. Hen. 1.—And Placisum fractum, i. e. when the Day is

laps'd. my Lord Coke derives the Word a placendo, quia bene pla-citare super omnia placet. Indeed this seems a very funciful Definition; and others have more Reason in deriving it stoom the German Plats, or the Lann Platsis, Fields, or Streets, where thee Affemblies were originally held, PLACITARF, in the old Law-Books, fignifies to plead Gauses. See Planding.

Mos placitandi ante conquestum, fuit coram aldermanno, Correctibus, O corum Hundredaviss, sc. Baronibus, Mayoribus, Melieribus, Senioribus & Urbanis. Ms. in Bibl. Cott. sub Vitellins.

Hence, Placitator, a Pleader,—Ralph Hambard is recorded to be to inst Regai Placitator, in William the fecond's Time. PI. A CITU M, in Law, a Sentence of the Court; or an Opinion, Ordinance, or Decree. See SENTENCE, DECREE.

CANON, Or.
PLATFOUND, in Architecture,
PLAFOND, or PLATFOUND, in Architecture,
the Colling of a Room, whether it be fifst or arched; limit
with Plainter, or Jointer-Work, and frequently enriched
with Plaintings, Or. See Critisho.
PLATFORD is also more particularly used for the Bottom
of the Projecture of the Larenter of the Conniche; call distoSee. See Softry and Larenting.

PLAGIARY, in Philology, Author-Theft; or the Pea-ctice of purloining other Peoples Works, and putting them

off for a Man's own.

off for a Marks own.
Among the Eumant, Plagiarias was properly a Parfin who bought, slot, or retained, a free Man for a Slave; to ciled, while the county of 
gives them a Title to every thing that may be for their purpole, wheever they find it; and if they rob, they don't do it are yorderwise, han as the Bee dony, for the policit Services and the services of the property of the

ving morat. See Distants.

The Figure is commonly does onely to be efficiently if the Ferre not being the Elizac, but only a Symptom, or Effect, of the Figure, See Ferral. Figure, and many charge state of the Figure and many charge as an English Disting, near price or propagate in English See Figure 1. The Figure 2 of the Figure 2 o

Subject of Controverly among Phylicians.—The Diforder is generally supposed to be communicated by the Air; but how, and in what manner the Air becomes thus deadly, is the Queftion. Some will have Infects the Caufe of Plaguer as of Blights, which being brought in Swarms from other Parts by the Winds, are taken into the Lungs in Respiration, mix with the Blood and Juices, and attack and corrode the

Viscra. See BLIGHT.

Mr. Boyle attributes it principally to the Effluvia or Exhalations breathed into the Atmosphere, from noxious Mine-

lations freathed into the Atmosphere, from notions Mine-tale. See Estual, 2013; Ozer. In rone Pines the Mark, in effect, in depress with fiberarizones Pepta-tion and the Atmosphere of the Martiness Pepta-tions—Indeed sumper to Minetal Sections 10 see from many more nocious than wholefome; and the Power of the formet to do Midskind, in more efficiency than of the Letter formet to do Midskind, in more efficiency than of the Pineta propriet of Health, by the Effinive of any Misceral or other known Foffis, in comparison of the great and Indeed Da-mage often done by the Efficiency of Copiency, Suida-damont the significant of the Copiency of the Copiency Amount the Significant Section (Section 1) and the Copiency Amount the Significant Section (Section 1) and the Copiency of the Amount the Significant Section (Section 1) and the Significant Section (Section 1) and the Significant of the Significant Section (Section 1) and the Significant Section (Sectio

Among the warious forts of Particles wherevoils the Al-monpheric integles, done may be for fail, and folial, or is con-veniently finished, as to enter many of the numerous Oritics of the numer Confusion of the Salin, or a south Prove threeto, in minuse Chinesto of the Salin, or a touch Prove threeto. Parts of the Air; yet may either of them be cally penetrated by other Corpusion of the Atmosphera; and Mr. Boyle in your person of the Confusion of the Salin Salin Salin Salin without writing or efficiencing or any way family uter, yould, without writing or efficiencing or any way family uter, which will be supported to the Confusion of Salin Salin Salin to the Salin Sali Amongst the various forts of Particles wherewith the At-

at fome Diffance beyond them.

This is confirmed from the fudden Check almost every
Summer given to the Plague at Grand Cuiro; for fince mor-Summer given to the Plague at Grand Cairo, I for time morbific Caulies operate more efficiently than curative ones, it fecus more than probable, that Exhalations akeading from under Ground, may produce pefficiental Fevers, and the Plague itself; fince the Corruptles which impregnate the Egyptian Air upon the fwelling of the Niles, put a specify flop not only to the Contagion, but to the Malignity. of the Plague, affifted even by the Summer's Heat, which there is excellive. See INUNDATION.

Tis posible there may be noxious Minerals in a Country, that are not often able to produce Peffilences; they may be in Strata, or Bods, fo deep, that even a small Earth-quake shall not affect them, tho a more violent Shock may.

quake intall not attest them, the a more violent Shock may, See Syrant, Earthquare, Cr.

And hence may we account for the Plane's raying in some Parts of Africa once in thirty, or once in a hundred Years; since there may be periodical Paroxyma, or grand and whement Commotions in Subterraneal Parts, the not

yet observed in then

yet observed in them.

"The probable peculiar kinds of wenomons Exhalations may fomenium be emitted, dipeculiar after Earthquakes; and more than the probable peculiar kinds and the probable peculiar diperior more of another, and in this or that Flace, and not eliewhere.——Emerdian gives man account of a Places, or Murrian, in 1743, which invaded non both Cate Emoglish? I would not be the probable peculiar in the peculi nort; and we have Initiances of the same kind of a later flanding. Cardan speaks of a Plague at Bagli, with which the Switzers, and not the Insisms, Germons, or French were instelled; and 946, Urnehoust takes notice of a cruel Plague at Gyrenbegen, which, the it raged among the Dosne, spared the Germans, Darche, and English, who went with all Freedom, and without the lettle Danger, to the Houses of the infested.

F. L. A.

The Pager, scordingtes, Sydnates, usually begins with it.

Calillanes, and thireties, litte the Accels of an intermitting.
Fever; then come on a Munic, with webment Vomitting, and the Pager; the come on a Munic, with webment Vomitting, and the March Pager; the come of the California of the

A great deal depends on the Circumstances of the Tumors, A great deal depends on the Circumitances of the Lumons, or Plague Sories: as they appear, and increde, the Fever abutes; and as they fink, or diminifih, renews again. When they happen about the Time of the Crifs, and foppurate kindly, they are good Prognofticks of a happy Recovery. See Charst.

Sec Christ

In Acute Dificules, by a Hippermete, Proposition are ever
fallacious. However, in the terrible Plage at Mininguen,
Domentorel, who attended the Sticktown thew what Pro-goth Berecol, relates, Tala those Laben ill bout New and
Publication of the Heart, were detailed sediely Silesy, in intermitting Palle always mortal; Dowlinels, Seccious,
terminolom, Mothon, Douing, for Thront, Cr. were III Omans: Plennilis, always mortal; Coliversed's apod Sings,
a Diarrham almost Condibuty fairs: Soody Stoois or Orline

always prefaged ill.

shways prefiged III.
A to the Care, Phyficians are much divided. It is generally attempted with Alexpharmachicles and Carefuce, with the Affiliance their of Suderfice, or Pubbetonary, or both the Affiliance their of Suderfice, or Pubbetonary, and the Affiliance their of Suderfice, or Suderfice, such as the superficient of the Suderfice of Suderfice, Suderfice, particularly, fair, that if suder opions, and in time, it never yet did harm, but that Suderfice often prove permiclose: Dimensional Suderfice, and the Contentry, with other very experienced Witters, provide spatial Philebotomy as very dangeous; and often deadly; The chef I topes they bell in Daphoretics and Suderficies. Emetles and Purgatives are absolutely forbid : and yet Dr. Saper used the former with good Success, in the Beginning of the Disease in the Flague at London, Ann. 1640. See A-

of the Dissig In the Flagur at Lumbon, John 1540; See A.
LEMBARGE, Gross is commended as of Binglate Efficarly in the Flagur, and publication if Sevens. Pife relates that it is the pricing Hancerly or the Hallman, and protein the 
it is the pricing Hancerly or the Hallman, and protein the 
its the pricing Hancerly or the Hallman, and protein the 
the Hancerly of the Hallman, and protein the 
that the flow is what the Tree's have principally obscured 
that the flow is what the Tree's have principally obscured 
the Comment of the Hallman Hallman Hallman 
that the flow is the Market Hallman Hallman 
that the Comment of the Hallman 
that the Comment of the Hallman 
that the Hallman 
that the Hallman 
that the Hallman 
that 
For Prefervatives against this Difease, they are usually fumm'd up in the popular Diffich;

#### Het tria labificam tollam abverbia pestem, Mox, longe, tarde, sede, resede, red

Caravies, and affectably fiftes, and decrea in the instantant are found of parts a Ferrica in preferring from Institutes. A Firece of Myrria beld in the Mouth in consupon Fisces, is also commended. For Disturbers of History, that the most time of the Caraviers of History in the Caraviers of the Caraviers of History in the Caraviers of Caraviers of an extra of the Caraviers of t

DYURAMORES.

PLACUE Water, Agust Epidemica, is one of the Compound Waters of the Shops. See WATER.

PLAIN, an Epithet applied to various Things, generally importing them to be finestly, every level, or faper-stial, or finely, or debiling, or the like.

In this Senie the Words stand opposed to rough, fislid, the

in this Sente the Words Stand opposed to rough, filled, the board, curiolid, &c.
It is a Murium in Heraldry, that the plainer the Cost the nearer to Antiquity.——Plain Coats are such as are least encumbered. See Coar, e.e.

PLAIN Figure, in Geometry, is an uniform Surface, from every Point of whose Perunieters, right Lines may be rawn to every other Point in the fame. See FIGURE; for alio PLANE and SURFACE.

PLAIN Angle is an Angle contain'd under two Lines, or It is so call'd in contradiffinction to a fold Angle.' See

SOLID.

PLAIN Triangle is a Triangle included under three right

Lines, or Sarfaces; in opposition to a spherical, and a mixt Triangle. See Triangle.

PLAIN Trigonometry is the Doctrine of plain Triangles, their Massires, Proportions, Cr., See Triangles, their Massires, Proportions, Cr., See Triangles,

P. 1. a St Tigiomeary is the Dolchies of plain Tringles, that Mediuries, Proportions, Cr. So E. Int. αυσουστατε, which Carlies is the control of the Control of the State which Carlies is flat or even. See the Phanomena Laws of plain distorers, notice the Article Matton, Laws on Plain distorers, are with or popularly call Looking-Cliffer's for the names of printing, polithing, and preparing them, P. A. 1 N Side. See Trix. Control of P. A. 1 N Side. See Trix. Control of the Control P. A. 1 N Side. See Trix. The Control of the P. A. 1 N Side. See Trix. Control of the Mathematics, that the third of Control of the Con

Oc. or rendy Use in moli Parts of the Mithematicks, chiefy in Navigation. See Linsu, Gre-See its Defeription and Use under the Article Scalt.
PLAIN Cherr, in Navigation, as Sea-Chart, wherein the Meridians and Parallels are represented by parallel firnit Lines; and where, of Confequence, the Degrees are the firms in all the Parallels of Latitude. See the Properties, Construction, &c. of this Chart under the Article CHART.

PLAIN Sailing, in Navigation, is the Art of working the feveral Cases and Varieties in a Ship's Motion, on a plain foveral Cuies and Varieties in a Ship's Motion, on a passe Chart, See Plain Chark?". Plain Sailing is founded on the Sayth being a Plane or flat; which, the notoriously falls, yet Places being laid down accordingly, and a long Voyage broke

beling a Plens our flax; which, the more only little, yet an impact of the plane of flax; which, the more offer of the plane of the pla

taken on the Spot, without my finine Prometion or plot-ting. See Suarviving, Pro-triving, 6"e.

The Plain Table, represented Tab, Sarveying, Fig. 31. con-fits of a Parallelogram of Wood, about 13 lathes long and 12 broad; round this goes a Boxen jointed Frame, by means whereof a Sheet of Paper is faithered tight to the Table, to as Lines may be conveniently drawn upon it.

Lines may be conveniently drawn upon it.

On each fide the Frame, which may be put on either fide upwards, towards the inward Edge, are Scales of Inches, fabdivided, for the ready drawing of Parallel Lines.—Beide which, on one fide are projected the 360 Degrees of a Circle, from a Braß Center in the middle of the Table, (each Degree halved) with two Numbers to every 10th Degree, the one expreiting the Degree, the other its Complement to

before a measure of the Decree she cache in Complement to the Complement of the Bending, and at 2 of the Bending, of the Complement of the Bending, of the Complement of the C

## Use of the PLAIN-Table.

indefinitely. After the fame manner term about the Index, on the line Voint, 'Ill thro' the Sights you for the Point Age, and the County of the County of the County of the Angle Lid County of the Angle Lid County of the County of the Angle Lid County (See Catasha) and from a Scale, for off the Medirect substances for the County on the reflective Lines; which happole to reach from each on the reflective Lines; which happole to reach from each of the County of t

and from to a.—Into was a second of the first of the firs Station to A<sub>2</sub> and let it off from the Scale, upon ca. 20 Remove the Table to A<sub>3</sub> where place it 60, as that the Point a reprefenting A<sub>3</sub> and the Index hid along the Line ac, you fee, backwards, the former Station C. (Note, in this fix. fee, backwards, the former Station C. (Note, in this fix-ing the Inftrument, lies the Ue of the Compais, for the Needle will hang over the fame Degree of the Card in the first and the second Case; so that some fer the Instrument y the Needle alone; others only use it to shorten Trouble, by bringing the Inftrument nearly to its due Poli-tion by means thereof; and then fixing for good by the

ton by mens theirod's, and then fixing for good by the Black-Oshph.) 2" The Influment field, for min heights 10 Black Black-Oshph.) 2" The Influment field, from the Solphs 10 Black terral also which will be the Dilance of A B tequility Influence 2" 3" Find the Dilance of A B (coll Surveying, fig. 43) 2" Find the Dilance of A B (coll Surveying, fig. 43) Tables.—Supplie the Dilance of A B (coll Surveying, fig. 43) Copylited Paller and Tables, and their the testing to the Lines of A for the Conference of the Conference of the Conference (D.) and the Conference of the Conference of the Conference (D.) and the Conference (D.) a fet this off, from a Scale, on ed .- 30 Removing the Table lef this oil, from a Scale, on c.d.-3? Removing the Table from C, fix it in D<sub>3</sub> to a ste Point of hanging over the Place D<sub>3</sub> and the Index lying along the Line c.d., thro' the Sights yoo fee the former Station C. The Informment them fix'd, direct the Sights to A and B<sub>3</sub> and draw the right Lines d.s. and d.b. Laitly, find the Diffance of a.b. you the Scale; this will be the Diffunce of A B required.

Solve a family the Liblin on 18 in humanists.

Alter the turn Manner, may the Dilathone of any Number of Pilecas be found from two Stitions; and than may a family of Pilecas be found from two Stitions; and than may a fast Angle for a fair of Family of States of the Angle for a fair of Family of States of the Angle for the Pilecas the property of the family of the Pilecas the property of the family of the Pilecas the Pilecas the Pilecas the Indian Collection of the Pilecas to the Pi

Faller, so represent it, so tent yout as neces, successfully and the second of a red B, and from a Scale for it is allowed on a constant of the second of A and B, and from a Scale for it is off on the Line thus forward, the Exercising of this Dilinea well represent the contract of the through the second of th the Diffance, O'c.

In this manner having compated the whole Field, you'll have its whole Perimeter plotted on the Table; which may be now caft up and its Contents found, as in the Article of SURVEYING.

## Manner of Shifting Paper on the Plain Table.

When in large Parcels of Ground, the Plot is found to exceed the Dimensions of the Plain Table, and to run off from the Paper; the Sheet must be taken off the Table, and a Ireth one put on . The way of imanaging which fulfillings as follows.—Suppose H, K, M, Z, (Fig. 35.) the Limits of the

(823)

Plant Tolde's, fo that having laid down the Finist from A tolds, Illans. Such problems on only have two Solutions, in rethemes to C and D by you must room, the Line D T entiting
and a Right line on only or a Clork, or, one Carle or
with well hold, we go the France, draw the Line P C, the O Q, see
and will well hold, we go A and the Line D and the

We of the Plain Table, as a Theodolite, Semicircle, or Circumferenter,

The great Inconveniency of the Plain Table is, that its Paper renders it impracticable in moilt Weather. Even the Dew of the Morning and Evening is found to swell the Pa-Dew of the Morning and Evening is found to well the Pa-per confiderably, and of confequence to itretch and diffort the Work.——To awold this inconvenience, and render the Infrument object in all Westhers; by leaving off the Paper, and fetting up a Pin in the Centre, it becomes a Theode-lity, a Semiricit, or a Circumfarence, and practicable like

them. Palestrate Integral of its Passes, becomes either a Thinking to a montple or a state that of the France Science Theorem and the state of the France Science and the Science of the Passes of a Science of the Index, which as a Finan Tailed turns on any Point as a Center, but the day, which as a Finan Tailed turns on any Point as a Center, the Modelle of the Tailed board the Einstein Contract Hole in Modelle of the Tailed and the Tailed and the Tailed and 
LUTE.

To take an Angle with a Plain Table, confidered as a Semicircle.—Proceed in the fame manner with the Infirament
confidered as a Semiconfidered as a Theodoconfidered as a Semiconfidered as a Theodoconfidered as a Theodoconfidered as a Theodoconfidered as a Theodolite; only laying the Semicircular Side upwards, and turu-ing the Index on the other Center Hole in the middle of the Length, and at about ‡ of the Breadth of the Table. See

Sixter Lett. Angle mids the Plain Tables, employed as a Corassirant — suppose the former hapfe E KO required. The Corassirant — suppose the former hapfe E KO required. Direct the Signia of E KO required. Direct the Signia of E and deleyer the Degree cut by the South End of the Needle which shoped 206. Turn the International Corassirant Plain of the Needle, which shoped 126. Subtred the left the Fight of the Needle, which shoped 126. Subtred the left that the Angle sought, if the Restricted forms 106. This is made to agin flowered from 106. This processes were the proceeding the Needle 106 of the Needle Needle 106 of

PLAIN Members, is a Number that may be produced by the Madisplication of two.

PLAIN Members, produced by the Madisplication of two.

PLAIN Products, required by the Madisplication of yimo 4. See Nousan.

PLAIN Products, in Ministry, is feel, as one, a PLAIN Products, in Ministry, but by the Interction ei-ther of Right I and and Circle's or for the Circumference of two Orices. See Plaintim. Given, he greated Side, and this time of the other two Sides, of Right-angled Trangle; to find the Triangle.

Service of the Arthur Members of the Circumference 
This has been fometimes used as a Mark of Bastardy, and call'd Champagne: For when the legitimate Defeendants of call'd Cosmogages: For wheat the regionnate descendants or Baffards have taken away the Barr, Fillet, or Traverse bore by their Fathers, they are to cut the Point of the Shield, with a different Colour call'd Plain. See Basyard, Dimir-

with a director condition of pears. See Dastard, Plane NUTION.
PLAIN, or PLANS, in Perspective, in Mechanics, Aftronomy, Cr., See PLANS.
PLAINT, in Law, is the proposed or exhibiting any Action, real or perional, is Writing. See Action.
Hence, the Party making this Plaint, is call'd Plaintiff.

See PLAINTE, to the ancient Coffons of Forers, was a Request, or Petition, precisited to the Kiege annial the Request, or Petitions, precisited to the Kiege annial the Seesandan See Telegraph (See Seesandan See Telegraph (See Seesandan See Seesandan Seesan

null. This was a kind of Supplement to the Way of Appeals, which was then that up.—I their Plainter, in the Capitals—its of Gauterooko, are call'd Rajphome.
PIAINTIFE, in Law, he that five, or complains, h an Affize, or in an Affize, port an an Affize, port an an Affize, port in an Affize, port in the complex of the Capital 
TAR, O'C.

TARROW.
PLAISTER, in Medicine. See EMPLASTER.
PLAIT. See FOLD.
PLANE, Repreferation of fomething drawn on a Plane.
See PLANE, fee also Mary Grart, Orc.
Such are Maps, Contast, throographies, Orc. See PLA-

NISPHERE. NISPHERE.

PLAN, in Architecture, cfc. is particularly used for a Draught of a Building, such as it appears, or is intended to appears, on the Ground; shewing the Extent, Division, and Distribution of its Arca into Apartments, Rooms, Pringes,

O'c. See BUILDING.
The Plan is the first Device or Sketch the Architect makes; it is also call'd the Ground-Plot, Plat-Form, and Icimography of the Building. See ICHNOGRAPHY, C.c.
The Geometrical Plan is that wherein the folid and vacant

Parts are represented in their natural Proportion. Rair'd Plan is that where the Elevation, or Upright, is fliewn upon the Geometrical Plan, so as to hide the Diftri-

Perfective Plan is that conducted and exhibited by Dogra-tions, or Diminutions, according to the Rules of Peripe-

See PERSPECTIVE. ctive. See Plastective.

To render the Plast intelligible, 'is ufint to diffinguish the Missives with a black Walb. The Projectives on the Ground are drawn in full lines, and those imposed over them in detted Lines. The Austrications or Alterations to be made, are diffinguished by a Colour different from what is already built , and the Feints of each Plan made lighter as the Stories are mis'd.

In large Buildings 'tis usual to have to many several Plane for the first three Stories.

for the fuft three Stories.

For the Profession of the Carona, See Preservery, British Profession of Architecture, the number Peri of the Carona, or Dip's, unking the September Pett of the Carona, or Dip's, unking the September Pett of the Carona, Control, Control, Carona, Caro

in the fame.

as the hanc,
As the right Line is the shortest Estent from one Point
to mother; so is a Plane the Shortest Extention between
one Line and another. See Lines and Staces.
Planes are frequently offed in Astronomy, cfr. for
magniny Smries, spaped to out, and past share Solid Bodiet; and on this Founcition it is that the whole Doctrine
of Occis Settlons and of the Sparre turn. See Securious,

When a Plane cite a Cone qualità to one of its files, it mattes a Pauloida i wins. It mis the Cone parallel to its Bids, it makes a Circle. See Convers.

The Sphere is wholly explained by Planes, insufged to cut the Caleful Luminaries, and to fill the Arcas or Circle. See Convers.

Affernoment flow, what the Planes of the Moon's Orbit in facilised to the Planes of the Barth's Orbit, or the Editpic, parallel planes of the Moon's Orbit in facilised to the Planes of the Earth's Orbit, or the Editpic, and the Conversion of the Conve the Earth. See ORBIT

the Earth. See Onary,
The Interfection of this Plane with that of the Ecliptic,
into a proper Motion of 3 '11" each Day, from Eaff to
Werf 3 that the Modes anderse facethright but in the Day
Werf 3 that the Modes anderse facethright but in the Day
Werf 3 that the Modes anderse facethright but in the
See The See One of the See One of the See
The Planes of the Other of the See — The
Planes of the Other Others of the See — The
Planes of the Other of See The See Other Other
See Other Other Other Other Other Other
See Other Other Other Other Other Other
See Other Other Other
See Other

and PLANET.

The Centre of the Earth, then, being in the Plane of the Moon's Orbit, the Circular Section of that Plan in the Moon's Disk, is represented to us in Form of a Right Line passing thro' the Center of the Moon.—This Line is inclined to the Plane of the Ecliptic by 5° when the Moon is in her Nodes: But.this Inclination diminishes as that Planet recedes from

Bu.Lhis Inclination dissimilates as that Pinact recoles from the Nodax; and at three Degrees difficience, the Section of the Monni Othet in its Disk. Seconic parallel to the Element of the Ecliptic. The lime Appearance stated the primary Bot the Cole is very different in the Pinaces Gen from one mother, effectivili from the Element Test and the Bot the Cole is very different in the Pinaces Gen from one mother, effectivili from the Element Test Water is the Cole is very different in the Pinaces of the Cole is expected. The standard water the Cole is the Cole is the Cole in the Intelligence of the Cole is the Cole in the Pinace of the Orbit on its Disk, or in the Orbit of one of list Statilities, does not appear a Right Line, but an Ellipsis, broader or of the Orbit of the Pinace test above the Pinace. of the Orbit of the Planet,

of the Orbit of the pranet.

PLANE, is a Plane level or parallel to the Horizon. See Horizon.

The determining how far any given Plane, &c. deviates from a Horizontal one, makes the whole Bulancis of Level-

ling. See Livelling.

Inclined Plane, in Mechanicks, is a Plane which makes
an oblique Angle with an Horizontal Plane. See Onlique.
The Doctrine of the Motion of Bodies on Instituted Planes
The Doctrine of the Motion of Bodies on Instituted Planes
Colombia Article in Mechanicks, the See flance whereof is as follows:

Laps of the Descent of Bodies on an INCLINED PLANE.

If a Body be placed on an inclined Plane, its relative Gra-vity will be to its abfolute Gravity, as the Length of the Plane, c. gr. AC (Tab. Mechanicks, Fig. 58.) to its Height AB. See Gravity.

Hence, 1° fince the Ball D only gravitates on the inclined Plane, with its relative Gravity; the Weight L, applied in a Direction, parallel to the Length of the Plane, will retain or suspend it, provided its Weight be to that of the Ball, as the Altitude of the Plane BA is to its Length

A.C.

2º If the Length of the Plane C.A be taken for the whole

Sine 3 AB will be the Sine of the Angle of Inclination A.C.B. The ability of the Body, therefore, is to its re-fpective Gravity applied on the inclined Plane; and therefore, also the Weight De to the Weight Laking according to the Direction DA which hithins it; as the whole Sine to the Sine of the Angle of Inclination.

3º Hence the respective Gravities of the same Body on different inclined Planes, are to each other as the Sines of the

different internet Planet, are to each other as the other of the Angle of Inclination.

4º The greater therefore the reflective Gravity is, the greater is the Angle of Inclination.

5º As, therefore, in a vertical Planet, where the Inclination of the Planet of the Pla

"" As therefore, in a writted Hone, where the inclusions in practice, by expendient, the refigience cravity degenerates into a bedding to fin a hardman Hone, where the state of Hones on the Aller of Hones, where a Hones on which a given bover will be able to infainh a Plence, to six the whole Sime Du Roise of the Hones of Indianation of the Hone. Thus, they do not contain a proper of the state of the Hones of the Hone

Hence, 1° The Height of the Defent CD of the Weight Lis to the Height of Afent DH of the Weight Dyracpro-cully at the Weight D to the equivalent Weight I. 2° Since than CDL—DHD, and the Afthas of the equipolentering Boist. D and Lare equal; the Moneau of the Weights D and Lare in Afthi composited of their heights D and Lare in Afthi of composited of their heights D and Lare in Afthing After Since I weights D and Lare in Afthing After Since I weight D and Lare in After Since I weight D and Lare in After Since I weight D and 
38 The Powers that rails Weights time Antonies recognically proportional to them, are equal.—This Des Centrallomes as a Principle whereby to demonfrarte the Powers of Machines. Hence we fee why a loaden Waggon is drawn with more Difficulty on an included than an horizontal Plane, as being prefed with a Part of the Weight which is to the whole Weight in a Ratio of the Altitude to the Length U Weights. E. and E. geomoderating non-confident IV. Weights IV. Weights E and F, equiponderating upon incli Planes AC and CB of the fame Height CD, are to e other as the Lengths of the Planes AC and CB.

other as the Lengths of the Planes A Cand Cit is Theo. Scripton gives a very protty Demonstration of its Theo. Scripton gives a very protty Demonstration of the State S

that the Parts of the Chann IH and off; and contequently all other Bodies which are as the Lengths of the Plante IH and I, G will balance each other.

V. A heavy Body defends on an inclined Plant, with a Motion uniformly accelerated. See ACCELERATION, Hence, 1° The Spares of Defend the in a deplicare Ratio of the Sines, and like wife of the Velocities; and therefore it cannot time to be the property of the Velocities.

in equal times increase according to the unequal Numbers i a cited tables interests according to the inequal Rembers 1, 3, 55, 73,9 fer.

The Space past over by a heavy Body deficacting on an inclined Plane, is fabbaiple of that which it would pass over in the fame Time, with the Velocity it has acquired at the End of its Fall.

The End of its Fall.

3º Heavy Bodies, therefore, defeend by the fame Laws of inclined Planes, as in perpendicular Planes. Hence it was, that Galilea, to find the Laws of perpendicular Defens, made his Experiments on inclined Planes, in regard of the Motions being flower in the latter than the former; as in the following the Planes of t

Motions seign lower in the nature than the following Theorem.

VI. The Velocity of a heavy Body defeending on an inclined Plans, at the End of any given Time; is to the Velocity which it would acquire in falling perpendicularly, in
the fame Time; as the Height of the inclined Plans is to its

Length.
VII. The Space past'd over by a heavy Body on an inclined
VII. The Space past'd over by a heavy Body on an inclined
Plane AD, (Fig. 60.) Is to the Space AB, it would past
over in the fune time in a perpendicular Plane: As its Velocity on the inclined Plane is to its Velocity in the perpendically Defense the End of non-incurrent.

locity on the inclused Plane is to its Volocity in the perceived dirther Delectra, as the End of any given time.

Hence, it's The Space pulse over in the included Plane, is to the Space in would delecal in the fine state in the perceived of the Space in the Space is the Space in the Space i

to D.

3' The Space, therefore, of perpendicular Deficut being given in the Altitude of the Plane AB; by letting fill a Perpendicular Deficut and the Altitude of the Plane AB; by letting fill a Perpendicular than the Altitude Plane Boll of the Perpendicular Plane Boll of the Rome time of the color and Plane and Plane Boll of the Altitude Plane Boll of the Altitude Plane Boll of the Altitude Plane Boll of the Plane file Boll of the P

B. 5° Hence in the Semicircle ADEFB, the Body will defend thro' all the Plant AD, AF, AF, AC, in the fine time; oxiz, in that time wherein it would fall thro' the Diameter AB, improving that perpendicular to the horizontal Plant LM.
VIII. The Space AD, pafeld over in an inclined Plant AB.
Change when it advanced to the Space AD, before the account of the Company of the Space AD, and the Space AD, the Space AD.

VIII. The Space AD, pefel over in a instinate Hear A. Cheing given; in observable was been perfectly to be detrained be a perfect which would be proposed to the control of the perfect of the space of the space of the perfect of the perfe

Hence, fince A B is to A D, as the whole Sine to the Sine of the Angle of Inclination C. And A B is to A E as the whole Sine to the Sine of the Angle of Inclination F; Since of the Angle of Inclination C. And A B is to A E as the whole Sun to the Since of the Angle of Inclination F<sub>2</sub>, the binner Three of different scaling of Theology, and the Angle of Inclination C, and E<sub>1</sub>, and necessary the Angle of Inclination C, and E<sub>2</sub> and necessary the Angle of Inclination C, and E<sub>1</sub> and necessary the Angle of Inclination C, and E<sub>1</sub> and necessary the Angle of Inclination C, and E<sub>2</sub> and necessary the Angle of Inclination C, and E<sub>2</sub> and E<sub>3</sub> and E<sub>4</sub> and

it would acquire in descending perpendicularly to the same

it would acquire in defecuting perpendicularly to the func-box. The Time of Defect along a mainteal Plane A S., M. The Time of Defect along a mainteal Plane A S., is to the Time of perpendicular Defect thro A B., as the Length of the Face of the Indian A B. The Time and A G., are as the Lengths of the Planes. A G. are as the Lengths of the Planes. A G. are as the Lengths of the Planes. A G. are as the Lengths of the Planes. A G. are as the Lengths of the Planes. A G. are as the Lengths of the Planes. A G. are as the Lengths of the Planes. A G. are as the Lengths of the Planes. A G. are as the Lengths of the Planes. A G. are as the Lengths of the S. are as the Com-say Const. The Company of the Const. The Com-let of the Planes of the S. are as the Con-let of the Const. The Const. The Con-trol of the Const. The Con-trol of the Const. The Const. The Con-trol of the Con-trol of the Const. The Con-trol of the Const. The Con-trol of the

## Laws of the Afcent of Bodies on Inclined Planes.

I. If a Body afcend in a Medium void of Refulance, in any Direction, whether perpendicular, or along an inclined DATION.

BATTON:

Rence, 1º Å Body afending either persendicularly or obligately, in fach - Medinup pales over - Spece which is horizontal Planes, with a misform Colerity could be obtained by the minimal collectify could be distributed by the minimal collectify could be distributed by the minimal collectify could be distributed to have a superior of the Motion.

It is not seen that the collectify of the minimal collectify conference with minimal collectify conferency, when the imprefel force is exhalted, the longer querity, when the imprefel force is exhalted, the longer querity, when the mirror of large is exhalted.

create in a serrogarde Order, is the interest Numbers 7, 5, 1, 2 to all pression for Advant 6 in Order 1 and 
Whence, the Times of Afcent and Defcent thre' equal Spaces

On this Principle is founded the Conftruction and Use of

On this Principle is founded the Constructions and use or Pendulums. See PENDURUM and OSCILLACIONS.

PLAN is of Greenly, or Consistence, his Place ingplied to Place in the Pendulum of the Pendulum of the Direction of its Teacheny; that is, perposited in the Borchion of its Teacheny; that is, perposited in the Horizon, See GRASSIVE and GRASSIVEATION.

PLAN IS of Refillering, in CARPORTICS, is a Place which paffer through the Point of Reflections, and by perposited the Pendulum of the Chiffs or refierting leady; See Research of the Chiffs or refierting leady See Research of the Chiffs or refierting leady. See Research of the Chiffs or refierting leady See Research of the Chiffs or refierting leady See Research of the Chiffs or refierting leady. See Research of the Chiffs or refierting leady See Research of the Chiffs or refierting leady. See Research of the Chiffs or refierting leady See Research of the Chiffs or refierting leady. See Research of the Chiffs or refierting leady. See Research of the Chiffs or refierting leady See Research of the Chiffs or refierting leady. See Research of the Chiffs or refierting leady See Research of the Chiffs or refierting leady See Research of the Chiffs or refierting leady. See Research of the Chiffs or refierting leady See Research of the Chiffs or refierting leady. See Research of the Chiffs or refierting leady See Research of the Chiffs or refierting leady See Research of the Chiffs or refierting leady.

FLECTION FEECTION, PLANE of Refraction is a Plane drawn thro'the incident and refracted Rey. See Refractions. See Refraction of the Plane of the Plane of the Plane to perpendicular to the Herizon, and placed between the Speciator's Eye and the Object be views; thro' which the optic Rays, emitted from the Several Points of the Object, are supposed to past to the Eye, and in their Passage to leave Marks that represent them on the fall Plane. See Plan-

Such is the Hase FII \( \) (The Perfective Fig. 1) fome cell is the Tolic, because the Drught, or Peripetive of the Objeck, in Springle to be thereous, others, the Sching, from the Great the State of the Hase o metrical one, at right Angles.

Vertical PLANE, in Perspective, a Plane puffing thro' the Spectator's Eye, perpendicular to the Geometrical Plane, and usually parallel to the Perspective Plane. See

Delta L. D. Derfpeckive, is any Plane finate in the horizontal Plane, whole Representation in Perfpective is required. See Object.

Plan N of the Horopter, in Optice, is a Plane that pales their between the Horopter, AB, (7th. Optice, 5a Plane that pales there is they the Horopter, AB, (7th. Optice Ages) (7ch. and is perpendicular to a Plane pulling thro' the Optic Axes I CH. See Horopter, AB.

perpendicular to a rame parties, and the second perfection of the Speries. Price the projection, in the Stereographic Projection of the Sphere, is the fame with the perspective Plane, which fee. See also Projection, \$\oldsymbol{G}^{\phi}(\epsilon)\$ and \$\oldsymbol{P}\_{\phi}(\epsilon)\$ are sufficiently an expectation of the sphere of the sufficient and \$\oldsymbol{P}\_{\phi}(\epsilon)\$ and \$\oldsymbol{P}\_{\phi}(\epsilon)\$ are sufficient and \$\oldsymbol{P}\_{\phi}(\epsilon)\$ are sufficiently an expectation of the sphere of the sufficient and \$\oldsymbol{P}\_{\phi}(\epsilon)\$ are sufficiently an expectation of the sphere of the sufficient and \$\oldsymbol{P}\_{\phi}(\ol

fee. See also Projection, &c.

Planes of abid, or Dud Planes, the Surface whereon a Dials drawn. See Dial.

We have Horizontal, Vertical, Inclining, Declining, Reclining, Deinclining, Direct, &c. Did Planes, See InEnviron, Declining, Arcelining, Direct, &c.

Planes Glufy, Advisor, &c. See Planes Glufy, AfriAnn Glufy, Advisor, &c. See Planes Glufy, Afri-

ren, &c.

Pians, in Joinery, &c., an Edge-Instrument, used to
pare or shave Woods innooth, even, &c.,
It consists of a Piece of Wood, very fmonth at bottom,
ferving as a Stock, or Shaft; in the middle whereof is
an Aperture, story which palles a Steel Edge, or Chiff,
obliquely placed, and very sharp, which take off the Inequalities of the Wood it is filled Janng.

qualities of the Wood is filled shone.

The Pleas experies various Numes according to its various forms, States of the Land States of the Common States of the Common States of the Common of the States of the Land States of the States

Place, and prepares the Wood for the Juniter, when the Propagation of Indiang on the West Statis's Breath, it comes after the Smoothing-Plane, and is chiefly intended to those the Education of Place and the Propagation of Place and Plac

Commodated to the various Forms and Profiles of the Mouldings; (See MOULDING) as the Roward Plane, the Hellion, the Off, the Suige's Bill, O'e. which are all of feveral Sizes, from half an Inch to an Inch and half. See

Mouts Isin, Cr.,
I out it to Adulding Plants on fort Wood, as Desh,
Tear Tree, Cr., they let the live to san Angle of 43" with
The Plant Company of the Company of the Company
The Company of the Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Company
The Comp MOULDING, C'c.

PLANET, PLANETA, in Aftronomy, a Celeftial Body, revolving round the Sun as a Centre, and continually chang-ing its Polition, with respect to the other Stars; whence its

Name whaters, Wanderer; in opposition to a fix'd Star-See STAR.

The Planets are usually diffinentified into Primers and

1.00 Finance are used.

The Primary Planers, call'd slo, fimply, Planer, by way of Eminence, see those which move round the Sun as their groper Center.—Such are Saram, Japher, Mars, the Earth, Founi, and Marsay.

Secondary Planers are lard as move round some Primary Marsay the Planers ex-their enfocitive Center, in the lame manner as

Planet, as their respective Center, in the same manner as the Planets do round the Sun ... Such are the Moon moving round our Earth; and those others moving round Sarara and Jupiter, properly calld Saraties. See the Delivine of Se-candary Planets, under the Article Satellites.

The Planets, or Frimary Planets, are in Number fix; which are again diffinguithed into Superior and Inferior. The Superior Pranars are those further off the Sun than

The Suprime Person's new hole further off the Sun than Open Tearth in-Sun's new Monty Japan, and Source.

The Tearth in-Sun's new Monty Japan, and Source.

Earth, and finiste between the Earth and Son.—Such travellers, and the Sun's Sun's Monty Sun's Model, Sun's Monty Sun's Model, Sun's Monty Sun's Model, Sun's Monty Sun's Model, Sun's Mode

about 30 Years. See Savaran.

"Spairer, marked u, is a bright refulgent Star, finishing
18 Courle round the Sun in about 12 Years. See Juvirra,
Marz, chardsreid 2, is a rody flery coloured Planer, finillhing its Courle in about two Years. See Mars.
Years, 2 is the brighteit of all the Planers, conflantly
attending the Sun, and never diffant from him above 27
Degrees—It finishes its Courle in about two Months. See

When it goes before the Sun, 'tis call'd Phosphorus, and Lucufer', and when it follows him Hesperus. See Phospho-

Lachyris, and when it follows that Hiffersas. See Prostruc13, 1967. When I state bright Heart, who Savie condition
Companies, from whole fine it never departs show all?
Companies, from whole fine it never departs show all?
and by that means adults bld in his Septemon—I performs
its Confrict has been three Mondas. See Marce 12, market
from the Endeming its Confrict showth the Sam, between
Mars and Prims, in the Space of a Year. See East 11.
Trans their Declinitions, a Perform may eafly affiningation
Trans the Endemines, a Terrior may eafly affiningation
the End thus the Well, he may conclude its notion: After
a prince with Marce 11.

The Marc

#### Nature of the PLANETS.

From the feveral Phases and Appearances of the Planets,

From the Grent Phuse and Appearances of the Elmans, they are found to be all perfectly like nor Earth, whence it between the best perfectly like our Earth, whence it between the perfectly like our Earth, whence it between the perfectly like our Earth, see Moor. This may be there almost a to Demonstration—19 Practs, otherwise the Confedence in the Particle of like, but with a second to the second the second to the Membells perfectly and the Well whom the Evening-Start, and the Well when the Evening-Start for the Membells of the Well when the Membells with the Earth of the Well when the Membells when the Appearance in the Start, where the most be sime appearance.

fame Appearance.

3° De la Hire, in 1700, with a Telescope of 16 Foot discover'd Mountains in Venus, larger than those of the Monn

See MONNAIN.

4º Caffini oblev'd two Spots in Vesus; four in Mars, likewife oblev'd by Campani; and feveral, at feveral times, in Jupiter; and from his Observations of these Spots found in Jupiner: and from his Observations of thele Spots found, that they had a Rotation round their Azes; and even deter-mind the Velocity of that Rotation, are Herized wherein Men 24 Horse 440. And that of From, 24 Horse. See Spots—And fince the San, Menn, Jupiner, Man, Frans, and the Earth, are found to revolve on their Axes, i.e., to have a dimmi Rotation; no doubt Mercury and Saraws have the a dimmi Rotation; and south Mercury and Saraws have the and the rever Diffuse of the Matter, preprint any Spots from and the erest Diffuse of the Matter, preprint any Spots from and the great Diffance of the latter, prevent any Spots from being oblerv'd on them, whence that Rotation might be demonstrated.

5° In Japiter are observ'd two Swaths, or Belts, brighter than the rest of his Disk, and moveable; fometimes found in one part sometimes in another, sometimes broader some-

s? In Typiere are observed your Sweaths, or Bettle, bringues than the crit of his blast, and movabels; Sometimes for some than the crit of his blast, and the control of th

larger than themleves. Now, to finm up the Evidence,—1° Since in Penus, Mar-Now, to finm up the Evidence,—1° Since in Penus, Mar-Son, and Lafes, only that Part of the Disk Hilliamined by the Son, and Lafes, and the Early and the Son, appear like after Son's or Macole, on the Son's Disk; 'tis evident, that After, Ta-pure, and After,,"are copial Eodics, illimined with the bor-cow'd Liphi of the Son. And the time appears of Typingro-form it to being void of Light' in that Part to which the Sis-form it to being void of Light' in that Part to which the Sisfrom its being you of Light in that Fart to when the Shi-dow of the Stellites reaches, as well as it that Fart turn! of from the San; and that his Sutellites are opake, and re-flect the San's light; is shouldnedly thewn. Wherefore fine Sauran, with his Ring and Satellites, do'only yield a faint Light, fainter confiderably than that of the fix'd Stars; ho' Saures, with me same are the fix'd Stars; the Light, fainter confiderably than that of the fix'd Stars; the thefe be validy more remote; and than that of the reft of the Planet: 'tis pail doubt, he, too, with his Attendants,

are opake Bodies. are opace money.

2º Again, finer the Sun's Light is not transmitted thro

Mercary and Venux, when placed against him; 'tis plain
they are denie opake Bodies; which is likewise evident of

Sun's plain of the sun's plain of the sun's plain
therefore, by Analogy, the same may be concluded of Sa
therefore, by Analogy, the same may be concluded of Sa-

turn.

3º From the varible Spots in Penus, Mors, and Tsysters, the writest these Plasers have a changeable Atmosphere which changed he Amonghere may by a like Argament, be which changed he Amonghere may be just be fragment, but the state of the plane o

encompas'd with a changeable Atmosphere; they have, of confequence, Waters, Seas, &c. as well as dry Land, and are Bodles like the Moon, and therefore like the Earth. Q. E. D.

And hence, nothing hinders but that the Planets may be concluded to be inhabited.

Q. E. D.
And hence, nothing kinders but that the Henses may be confident to the Henses of the Henses in the He

## The Motion of the PLANETS.

That the Planets do all revolve round the Son as their Center, and not round the Earth, is evident from a thoofand Phenomen—1° The Orbit wherein Penas, e.gr. moves, does certainly encompais the Sun, and therefore in deferibing that Orbit, the Planet must turn round the Sun. See O a-

BIT.
That her Orbit includes the Sun, appears hence that the is fometimes above the Sun, fometimes below it, fometimes beyond it, audfometimes on this fide; all which are evident Chap Phylins. See PHASE. See PHASE.

beyond it, audiometimes on this fide; all which are ovident from the Circumflances of her Philes, See Pitasis. That the does not move round the Earth is no left appar-uant from her being from him above 45°—50h enver therefore cames to be in opposition to the Sun; no, not to be in a Quartile dipcel, or to have Quarter of the Hewen between them; both which, like the Earth, the mult fre-der the state of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of goently have, did the artend and move round the Sun appears in like manner from his Phales, which refemble those of Venus and the Moon; and from its Neighbourhood to the Sun, from

the woon's and room its registrounced to the Sans noun-whom Mercary never recedes to fix as Fenan doss. 3" That the Orbit of Mers includes the Sans is evident from that Planer's being found both in Conjunction and Op-phition with the Sans, and in both Cafes flaining with a full Face.—Indeed, from the fame Circumstances it appears,

full Face.—Indeed, from the lime Circumfunces it appears, that the Orbit of More encompaight the Earth, but them, it takes the work of the Company of the Co from the Earth moves very irregularly; is fometimes teen to proceed flower, fometimes filter; fometimes stands filling fometimes goes backward; (the Resigns wheree), fix maker the Article OPTIC Irregularity) but viewed from the Sun, will ever appear to move with the time conflant uniform Tenor; whence 'it's evident, he reflects the Son, not the Earth, as the Center of his Motion.

Tento, a the Center of his Motion.

Earth, as the Center of his Motion.

"The fine Appealances whence Afars is thewn to reoff the fine Appealances whence Afars is thewn to reoff the fine and Afarsa, whence the fame Conclusion may be
made of them.

"The Afarsa of the fine Afarsa on the Sun, as a Cenmate of them.

Laftly, that the Earth revolves round the Sun, as a Center, is evident from her Place which we have observed to be between the Orbits of Mars and Vienus; and from the Phæ-

nomena of the fuperior Planer view'd therefrom.—If the Earth flood filll we should never see those Planer either stationary or retrograde; the Earth therefore moves, but it is fill soon between the Orbits of Mora and Venna which encompass the Sun; therefore the Earth too encompassits. the Spn.

the Sun.

To this Aftronomical Demonstration, may be added a
Physical Demonstration, of the Earth's Motion from Sir IJaar
Neuron.—It appears from abandant Observation, that either the Earth turns round the Sun, or the Sun round the Earth, fo as to describe equal Area's in equal times: But he demonfoas to deferbe equal Areas in equal times: But he demon-fitates, that Bodies revolving about one another by fuch Law, do of Neceffity gravitate towards each other. (See GRAVITATIOS. Whence if the Sun gravitate to the Earth, Action and Re-action being full equal, the Earth will like-wife gravitate toward the Sun. (See Re-action.) But he proves, further, that two Bodies gravitating towards each

ECCENTRIC.

The Planes of these Orbits do all intersect in the Sun; The Planes of these Orbits do all interfect in the Son; nor are their Extensities in \*\*part\*\*—In effect, they are but little inclined to one another; and the greatest Angle any of them makes with the Plane of the Earth's Orbit; i.e. of the Ecliptic, is that of Marcayy, which lies at an Angle of \$7 \; 27\$, that of Fams is \$3 \; 23\; that of Marcay \$7 \; 37\; that of Jupiter 19 \; 20\; and that of Saturn 28 \; 36\. The Line wherein the Plane of each Orbit cuts that of the Earth, is called the Line of the Nodes; and the two Points wherein the Orbits themselves touch that Plane, the Nodes.

The Diffance between the Center of the Sun, and the Center of each Orbit, is call'd the Eccentricity of the Planet. See ECCENTRICITY.

And the Angle at which each Plane cuts that of the Ecliptic, the Inclination of the Plane, See PLANE, INCLINA-TION, and ECLIPTIC.
To account for the Motion of the Planets about the Sun;

To account for the Motion of the Planets about the Son; there needs nothing but to luppod an uniform projectile Motion, in druit Lines, a first given them; and a Power of Motion, in the Company of the Company of the Company Bodies in our Sythem—For a Body A, (Toh. Advenues, Fig. 6.) proceeding uniformly along the Line A B3, with by the Intervention of the attracting Body C, be every Mo-ment diverted out of its redilinent, and bent ture a current linear, Parky according to the Lines of Cantral Force, see CENTRAL Force.

Cast att. Force.

If, then, the projective Motion be perpendicular to a Line
CA, drawn from the strateling flow C<sub>3</sub> and in Velocity in
proportional to the force of charaction of A<sub>3</sub> as that the
proportional to the force of charaction of A<sub>3</sub> as that the
proportional to the force of charaction of A<sub>3</sub> as that the
proportional to the force of the Cast of A<sub>3</sub> and the
control of the Cast of the Cast of A<sub>3</sub> and the Cast of the
Canatas to fall to the central flowly C<sub>3</sub> in a right Line, A C<sub>4</sub>
and that to proceed in the Direction of the Tangeart, A<sub>3</sub>
balance sets office: The Body will revolve in a creater O<sub>5</sub>
--Ta not impropolish, that at the Beginning, this seath to
State of change, and that the Velocities impected on the Cast
State of things, and that the Velocities impected on the Cast
State of Linear Veneza

Flow in Proceedings of the Cast State

The Cast State of Cast State

The Cast State

dive Force, and be precifely counter-blanced thereby; whence the primitive Orbits must have been perfect Circles, from which they don't even now deviate very far; the Ercentrity of the Earth's Orbit being only 1974 of its Semidlameter. See Eccentricity.

If the Planer's projectile Motion be not perfectly adju-fted to the Son's Attraction; the Orbit described will be an Elliptis.—If it be too swift, the Orbit will be greater than a Circle, and the nearer Focus coincide with the central Ed-dy; if too flow, the Orbit will be lefs than a Circle, and the further Focus coincide with the central Body,

the further Book colorder with the recent Body, noted the Form of the Phentry Oblits, does not only depend on the Additioner of the first projectile. Velocity with Assira's Areatics, her 1st do not Duction wherein with Assira's Areatics, her 1st do not Duction wherein were according to the Tampart A B; as slowe Epopheli, and the central Force scally balances, he show the projection as the H that Direction were oblition, in now manner, and the state of the Assiration of the Additional Conference of the Additional Conference on the Assiration of the Ass

The Motions of the Planers in their elliptic Orbits are not equable, by reason the Sun is not in their Centers but their Focus.—Hence they move, sometimes faster and sometimes Form—Hence they move, functions falter and founctions flower, as they are nature of farther from the Sun, but yet these Irrepublities are all-certain, and follow according to an immutable Law, Form, and follow according to the control of the cont

Executivity; and E.S. the mean Luttance of the Flame from the San. See Aprils, A.P. Hallon, P. R. Hiller 10, N. Cr. Now the Motion of the Plane in its Perihelion, is fwilted; in its Appleion, flowerly, at E. the Motion as well as the Diffance is mean, i.e., fach as would defire the whole Orbit in the fune time it is really described in.

Obstruction of monable for the reality saffried in.

The Law whether the Motion is regulated in every Point of the Oblis, in that a Law, we Radia, shown from the Oblis, in that a Law, we Radia, shown from the Oblis, in that a Law, we Radia, shown from the Control of the Oblis, in the Control of the Oblis, in the Control of the Oblis, and the Control of the Control of the Oblis, and the Oblis,

S P. Law was first demonstrated by Koler, from Ob-fervation; and is fince accounted for from Phylicks: And to this all Astronomers, now, subscribe, as of all others that which best solves the Planeary Phanomena.

# Computation of a PLANET's Motion and Place.

As to the Periods and Velocities of the Planets, or the Times wherein they perform their Courtes; they are found to have a wonderful Harmony with their Diffances from to have a wonderint rarmony with their Dillances from the Sun, and with one another. The nearer each Plants is to the Sun, the quicker fill being its Motion; and its Period the shorter.— The great Law they here all immuretably observe is, that the Superace of their proisided Times we at the Cobes of their Dillances from the Centre of their Orbits.

See Payron, Districtor—fire

as the cubes of their Diblomes from the Centre of their Orbits.

See Panion, Distance, Cr.

This Law we owe to the Signify of Kepler, who found
it to obtain in all the primary Planets; as Altronomers
have fince found it to do in the Secundary ones. See Sa-TELLITE.

Kepler deduced this Law, meerly from Observation and Comparison of the several Distances of the Planes with their

Comparison of the fewent Diffunces of the Plasart with their periods: The Glayor of investigating it from Physical Principles, is due to Sir Jiese Parens, which is the Plant Principles of the Plant Principles of the Plant's Motion or Diffunce from It Appears is certified to the Plant's Motion or Diffunce from It Appears is certified to mean January of the Plant and its When the Plant arrives at the middle of its Othit, or the Polat C, the Diffunce of Time is call'd the raw January When the flance or Time is call'd the true Anomaly.—When the Planer's Motion is reckon'd from the first Point of Aries, 'tis

finnce or Time is called the rire domain)—When the Planet's belosis to school from the fall bound of Jein, is the Darmet's belosis to recover from the fall bound of Jein, is defined to the Jein of J

MIDIAMETER, &c. PLANETARY, fomething that relates to the Planets. In this Senfe we lay Planetary Worlds, Planetary Inhabitants, &c. See Planets.

PLANETARY System, is the System, or Assemblage of the Planets, primary and secondary, moving in their respective Orbits, round their common Center, the Sun. See Selar System.

celles Orbita, found their common Centure, the Sun. Sec. Self-SYSTEM. Perior Chrosology, Sec. Bronz.
P.J. AN IMETER Y, P. LAND METERS, Sec. Bronz.
P.J. AN IMETER Y, P. LAND METERS, S. Bronz.
P.J. AN IMETER Y, P. LAND METERS, S. Bronz.
P.J. AN IMETER Y, P. LAND METERS, S. Bronzer
Geometry which consider Lines and pulse ligence with control of Dischool and Confederation of the Software and Confederation of the Software and Confederation of the Software Confederation of America Confederation of Confederation of America Confederation of Confederation of America Confederation of Confederati

of the Sphere. See CIRCLE.

Among the infinite Number of Planifisheres, which the

Among the infinite Number of Plenifiphera, which the different Plenes of Projection, and trea different Polices of different Polices of the Eye, would familia, because we we are true that where the Plane of Projection is partially the Projection is the College, or Solithin Merchins, and the Eye fire Police of the Plane of Projection is a Kardisin, and the Eye fire Police of the Association of Projection is a Kardisin, and the Eye fire on the Association of Projection is a Kardisin, and the Eye fired on the Association of Projection is a Kardisin, and the Eye fired on the Association of Projection is a Kardisin, and the Eye fired on the Association of Projection is a Kardisin, and the Eye fired on the Association of Projection is a Kardisin, and the Eye fired on the Association of Projection is a Company of the Police of Projection is the Common Diebet of all their Projections is, the The common Diebet of all their Projections is, the Theoremson Diebet of all their Projections is the Projection of the Projection is the Projection in the Projection in the Projection is the Projection in the Projection in the Projection is and Projection in the P

are common Defect of all these Projections is, that they diffort and after the Figures of the Confichations, to as it is not easy to compare them with the Heavens; and that the Degrees in some Places are so finall, that they afford no Room for Operation.

ford no Room for Operation.

All thick Fastis M, de la Hire has provided againft in a new Projection, or Planifphere; where 'tis proposed the Eye shall be so placed, as that the Divisions of the Carcles projected shall be Sensibly equal in every Part of the Intrament.

—The Plane of his Projection is that of a Meridian.

ment.—The Plane of his Projection is that of a Margiana-PLANO-Conserve Golfs, or Leas, is that, one of whole Surfaces is concave, and the other plain. See GLASS, The Concavity is here imposed to be pherical, entits the contrary be expressed.—For the Properties, Grinding, Ore. of Plane Concrete Leas's, fee Lass, fee also GRANDING

Or.
PLANG-Correc Glui, or Lenis, is that, one of whole Surfices is coopers, and the other plain. See Corvers.
Correction of the Correction of the Correction of the Correction of the Correction of the Correction of the Correction of the Correction of the Correction of the Correction of the Correction of the Correction of the Correction of the Correction of Corr

Or, a Plant may be defined, in Boerharov's manner, to be an Organical Body compoled of Vessels and Juices; to which Body belongs a Root or Part whereby it adheres to

which Body belongs a Root or Part whereby it atheres to tome other Body, and particularly the Earth, from which it detrees the Matter of its Life, and Growells, See Woorzanes, and confitting of Veffels and Justice; (See Fo Ser 1.2) and from an Animal, by its adhering to another Body, and de-riving its Noorthiment theoretion. See ANIMAL. Plant is a general Name, under which are comprised all the second of the Company of th

SHRUE, and HERE.

Shruns, and Itera.

From the Observations of Malpighi, Dr., Grem, M. Reneaume, Bradley, and others, there appears a great Similitude between the Mcchanifin of Plants, and Animais; the
Parts of the former feem to hear a conflant hanlogy to thole
of the latter; and the Vegetable and Animal Occonomy appear both form'd on the fine Model.—To give an loss.

The Parts of Paris serve—" the Rev. 14 poney licely, whose Pores are disposed to dendit certain humde Particles represent in the Grounds: On the Site of the Vedicia and to depend—— the Paris serve the Paris serve the Control of the Paris serve to depend—— Robertser conditions the Rose as comport of a Animeter of Borborne Vedicia, unalogue to the Lackeal is Animeter. As Roberton Vedicia, the Rose as comport of a Animeter of Borborne Vedicia, unalogue to the Lackeal in Animeter. As Roberton Vedicia, unalogue to the Lackeal in Animeter has Control of the Stomach, Interflience, Serv. Ser Royal Roberton Statis—"The Borborne Statis—The Rose and Control of the Rose and Control

reference and control to the proper a veltor, and the project of the proper conduction of the pr

Now, for the Occonomy or Use of these Parts.—The Root having imbibed the faline and aqueous Juices of the Earth, and fill'd itself therewith for the Nourishment of Earth, and filled infell therewish for the Nonirillament of the Irrey thole are put in Motion by Heart, e., a seem fined to the Irrey though the Irrey that the Irrey that the Irrey Motinto of the Arterial Veiffel, and meents to the top with a force andworshot to the Heart that puts it in Motion—By the means it gradually opens the minute Vadelute roll up a Vapours, upon Eeiting the Cold, naturally conderies, to this, when arrived at the extreme Parts of the Arteries, i. e. the Irrey that the Irrey that the Irrey that the Irrey that it is a Lincon, is which Irrem it extrame by its own Veiffel, they like Irred its Errei to the Bart will receive. Parts of its Juice, as the Texts and requires for its Suffenance,

Figure 1 june; a set of the darw var ecces, These does the Julee continue to orientate; till the Viffer Levi Congulius it into the Confiltency of a Cum, it from the Confiltency of a Cum, it is the Confiltency of the Confi to the Principle of Attraction, and impose the Power that raties the Sap in Vegetables to be the fame with that whereby Water aftends in Capillary Tubes, or in Heaps of Sand, Aftes, or the like; but neither will this alone fuffice to raise Water to the Jops of Trees. See Attraction, Ascent;

Capillary, or.

One would fulped, therefore, that the first Reception of the Food, and its Propagation thro' the Body, were effected by different Means; which is confirmed by the Analogy of

by different Means, which is confirmed by the Analogy of Animals. See Poor, HEARY, OCA.

Than Meaton of the National Control of Plazar is produced. The Meaton of the National Control of Plazar is produced. The Meaton of the National Control of Plazar is produced. The Animals of the Addison of the Arian of the Animals of the Addison of the Arian of the National Control of the National Con

hereof, it will be needing to defenile the Parts whereof Planes could.

Sentlare and Occuming of PLANTS

The Parts of Heart xxx——"The Dart, a frong picture of the Street of the Verificia and the work Freeze are differed to deather carried in the order of the North, of Couldry of the Kort in found much forces of the Mora, the Couldry of the Kort in found much forces of the Mora, the Couldry of the Kort in found much forces of the Mora, the Couldry of the Kort in found much forces of the Mora, the Couldry of the Kort in found much forces of the Mora, the Couldry of the Kort in found much forces of the Mora of the Street of the Couldry of the Mora of the Couldry of the Mora of the Mor

The Juice having thus gone its Stage; from the Root to the remote Branches, and even the Flower; and having in every Part of its Progress depolited something both for All-

the fedings of the city, our even mer formers, you missed an amount and Defining value if a reliable trapillo out in my the Bart, the Validis whereof are indeplated with shock where the Part, the Validis whereof are indeplated with shock whereof are indeplated with shock whereof are indeplated with shock whereof are indeplated with the constant of The Veffels or containing Parts of Plants, confift of meer

The Veffs of combining Parts of Phens, confid of more Earth, bound or connected togsther bOil, as a clienter, which being chaudted by First, Air, Aeg., or the like, the Plant motalities, or returns usen in two its Earth, or Dudies of the Veffs of the Veffs is left entire, he is consultably upon the transfer of the Veffs is left entire, he is consultably to the Veffs is left entire, but the veff of the Veffs is left entire, but the veff of the Veffs is left entire, but the veff of the Veffs is left entire, but Earth alone. See Eartzt. The July, or Soy of 1 Phens, is thorner funcified by The July, or Soy of 1 Phens, is through the following the Veffs of the Veff

the more action it has initiation, and the nearer it approaches to the Nature of the Vegetable. See DIGESTION.

Confequently, when the Joice enters the Root, the Bark whereof is formithed with excretory Veffels fitted to different the Confequent of the Parket of the Confequence and fearned the secretory veffels fitted to different the Confequence of the

In the Trunk and Branches it is further prepared; the it fill continues acid, as we see by the tapping or perforating of a Tree in the Month of Frenzey, when it diffils a wa-

and commence stee, is we lee by the draphing of referrenting the property of t PISTIL, OG.

# Generation of PLANTS.

The Generation of Plants does also bear a close Analogy to that of some Animats; particularly such as want Local Motion; as Musikas, and other immoves ble Shell-Fills which are Hernaphrodices, and contain both the Mule and Female Organs of Generation. See HERMAPHRODITE.

The

The Howere of the Plans, for all its finery, is found to be the Pulcadoun, or principal Organ of Generation, but to be the Pulcadoun, or principal Organ of Generation, but to be the Pulcadoun, or principal Organ of Generation, but to the Command of the Pulcadoun of the Pulcadou

be well accounted for.

The Fruits a large was the Balasof the Fifth, 50 that when The Fruits and Wat relief of the Flower, the Fruits para is in fleet,—Indexes, frequently, the Fifth is the Fruits fleet, because it is fleet,—Indexes, frequently, the Fifth is the Fruits fleet, but fill they have both the fines Situation in the Context of the Flower, whole Leaves disposed around the little Embryo, only frem defithed to prepare a time Judice in their flithe Veifich, for its Support, during the little Time they little, and frequence : the Me. Brailey takes their chief

Use to be to defend the Pittil, Cro.

The Apices of the Stamina are little Capfulæ, or Bagsfull of a Farina or Dust, which upon the Capfulæ growing ripe

of a Fariac of Pulit, wincen upon the corporate governor, and burifless, fall out.

M. Townsfort took this Daft to be only an Excrement of the Food of the Furth, and the Stamina to be no more than a kind of excretory Dafts, which filtrated this affelds Matter, and than dishraped the Emptyo-Plant. But Mr. Mor-Land, M. Cropfroy, and others, find nobler Ules for this Daft.

Land, M. Cropfroy, and others, find nobler Ules for this Daft.

ten, and this canange to a tempty of ream. The real properties of the control of

the Plate was the Embry 9 or 10 fer these meaning in cours.

The Disposition of the Pills, and the Agices show it, is, always facts, as that the Farina may fall nor its Orlice.—The industry lower time the Agices show they were the property of the Agices show the Agices and Ag

solicit in the Works of Natives', and extrise with it all the multi-actual color of Natives', and extrise with it is all the color of the Natives' of 
M. Tisourijest conjedures, that the fine Filaments, Tomentain, or Down, always found on the Fraits of their
mentain, or Down, always found on the Fraits of their
mentain, or Down, always found on the Fraits of the
filament of the filament of the filament
mentain of the filament
mentain of the filament
Mind, doing the Diffice of a Validic, brings the Farins of
In this cpilane is a confirmed by a Story in greiner
Fonement, who relates, Tatt in this Time there were two
Fonement, who relates, Tatt in this Time three were two
Fonement, who relates, Tatt in this Time three
Fonement, who relates the size of the Found, to
that it a length rings sow the cohest recor of the Found, to
Foundation of the Foundation
for the Foundation of the Foundation
Foundation of the Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
Foundation
F

For the manner wherein the Farina fecundifies; M. Geof-frey advances two Opinions.—10 That the Farina being al-ways found of a fulphurous Composition, and full of subtile "More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"More Than Serial beings."

"M

in the Female Ovum, and needs only the Male Seed to excite a Fermentation, Or. See Conception, General

M. Geoffrey rather takes the proper Seed to be in the Fa-rina; inalmuch as the best Microscopes don't discover the least Appearance of any Bod in the little Embryo's of the leaft Appearance of any Bod in the little Embryo's of the Grailes, when cannical before the Apices have fluid their Dott.—In legominous Plants, if the Lexves and Stamina be Pool, be viewed with the Microsops, etc. yet the Flower Pool, be viewed with the Microsops, etc. yet the Flower be opposed; the little green transparent Veficiales, which are to become the Grains, will appear in their natural Order; a but fill flowing nothing elfe but the mere Coat, or Skin of the Grain. If the Otherwation be continued for leveral Days the Grain. If the Onfervation be continued for leveral Days functively, to include the Powers, as they advance, the Vicineir Receivery, to include Powers, as they advance, the Vicineir Receivery, the Continue of the Power to fall, we observe a time and the Leaves of the Flower to fall, we observe a time and the Leaves of the Flower to fall, we observe a time of the Power to Flower to

The manner wherein this Germ of the Apex enters the Veficula of the Grain, is not very difficult to determine.—
For, befides that the Cavity of the Piftil reaches from the top, For, betides that the Cavity of the Futur reaches from the top, to the Embryo's of the Grains, thole Grains, or Veficulae, have a little Aperture corresponding to the Extremity of the Cavity of the Fifti, to that the small Duft, or Farins, may easily fall thro' the Aperture into the Mouth of the Veficis, which is the Embryo of the Grain.—This Cavity, or Cavity, the small of the small for the small in the Mouth of the Veficis. which is the Embryo of the Grain.—This Cavity, or Caca-tricula, is much the fame in moff Grains, and 'tis eafly ob-ferved in Peafe, Beans, etc. without the Microkope. The Root of the little Germ is just against this Aperture, and 'tis thro' this it passes out when the little Grain comes to

germinite.
The Froncis of Nature In the Generation of Ventrales, and the Appetrian like has construct for that Purpois are for all the Appetrian like has construct for that Purpois are for all the two shall illustrate them further with Pigures; taking the Makin for our Ennsylvis, in regard the Paris of Genera-Bir the West of the and Female Flower.

Fig. 15. (Tak. Nai: Hilbery) reprefents the Male Flower, or Blotfors, of the Malon, the Leaves being fittinged from off the Carcle FF2—Ab Expression the Bleed, placed in the Carcle FF2—Ab Expression the Bleed, placed in the the Apices B, and fulfatted by four Columns GG GG. —The PRT & GO the Head repression the Chramovalizes of the Apices White yet that y and the Part Expression of the Apices white yet that y and the Part Expression of the Apices white yet that yet and the Part Expression of the Apices white yet the Columns of the Columns of the Apices white yet the Columns of the Columns of the the Place arrives at Maturity. Each Apice forms a kind of Carcli Equatic by A Particlos into two. A Crain of the Israin is represented by L. — — Sec. 24, 14, in the former which in the Miller-Hower produce mobiling the Parets, and

Fairfa is repretented by 1.6.——95, 1.9. Ts, 10 mc counter. Figure, reprecises in the Poilett, their inflaints the Elower, and which in the Mole-Flower produces mobilize, 1000 mm of the Moleco, or that which bears the Frint.—The Larner ser fullying off the Circle FF, as before, the better to flow the tooler First. The Knot of the Flower, or the Embryo of the Frint's Rots of the Flower, or the Embryo of the Frint's Rots of the Flower, or the Embryo of the Frint's Rots of the Flower, but the Flower of the Frint's Rots of the Flower of the Frint's Rots of the Flower of the Flower of the Frint's Rots of the Flower dies, eich feptrable into two Lobes. These Bodies are ve-ryrough, furnish'd with Hairs and little Velkeles proper to arch the Deft of the Male Flower, and to condect them to the Mouths of the Canals, which communicate as far as the Cells of the Grants contained in the young Fruit. Upon cutting the Pitili transfersfely in its simalich Part, we find as many canus as there are Divisions in its Head; which Ca-nals correspond to as many little Cells, each including two Orders of Critics, or Seeds, rated in a sponger Hacenta, ter, improves, exc. the Tafte, Form, Flowers, Quality of Faitis, core, and proposed the Hacenta Core, improves, exc. the Tafte, Form, Flowers, Quality of Faitis, core, and proposed the Hacenta Conference of the Samuel Canal To this accidental consistens and least-

the Farina of another of the fame Clafe,
To this accidental coupling and intermixing it is, that the
humberlest Varieties of new Fritis, Flowers, &c., produced
every Duy; with many other Phanomena in the vegetable
Kingdom; are to be afcribed. See Mule.

The Company of Dermondicularity observed in the Stalks

The Americation of Perpendicularity observed in the Stalks or Stems of Plasast, as well as in their Branches and Roots makes a fine Speculation.—This a Phanomenon never attended to till very lately. The Cane is very shotlie, and has employ'd the Wirs of several of the present set of Philosophers, particularly Affray, de la Hirr, Dodart, and Parent; see their several Systems under the Article Planus.

Nor is that conflant Parallelism observed in the Tufts of Trees, to the Soil or Ground they grow upon; a Circumstance to be over-lookd. See Parallelism.

For the Focundity of Plants, &c. See Freundity.

#### Distribution of PLANTS.

Plants may be divided, with regard to the manner of their generating, into 1º Male, or fich as bear no Fruit or Seed, and have only the Male Organ of Generation, viz. the Faina.—Of this kind are the Male Palm-Tree, Willow, Po-

sina—Of this kind are the Male Palma-Tree, Willow, Ro-pper, Heump, Nettle, and Hep-Tree.

2º Famil, or facins bear trist, and have the formtle Organ,

etc. the Hills, or Userus, but want the Farina.—Such are

to the Common Palmar, or facin as have both male and formtle

Party, the Farina and Prills.

Their are again fishibiteded ano thoic jus whole Flower

both Secus or uniform, and Prills.

at which generate Part of the vegetable Species whole Hill is

flower and the Common Palmar and the William and th ferroanded by the Stamina.—And those whose mule and fermine Pertir are difficiled, and at a Dilatine, from each other; fishes he Rods, whose Uterus is keneath the Pertils; the Me-lous, and all of the Committer Kind, which have their guid-ant members to the property of the pertil the pertil the season and the state of the pertil the pertil the pertil the pertil the and pertil the pertil the pertil the pertil the pertil the pertil the state of the pertil the Fadd, and the Element they live is, into--1" Trense, which are child that the only on Land; a Olds, Beech, I

Cr.

2. Agazin; which live only in Water; either in Rivers,
as the Water-Lilly, Water-Plattan, Oz., or in the Sea, as
the Water-Lilly, Water-Plattan, Oz., or in the Sea, as
the Water-Lilly, which live indifferently other in Land or
Water; is the Willow, Alder, Mintle, Oz.
Plantar expain difficulties, which ray to their Age or PeTolo, into; "Amond, which are took whole Root is found
Whater, Ray, Oz. "S. "Affamently, which only produce Prowers
and Seals, the focund or even third Yaur after their being raid,
and then ties; India re Fennel, Mont, Or. "S. Terming,
and then ties; India re Fennel, Mont, Or. "S. Terming,
Seals, and then the control of the Control
Seals, of their found or Fernel, Seals, and
Seals, and the Seals of their found or Fernel
Seals, of their found or Fernel, Seals, and
Seals, and Seals, Sea

let, O'c. others lose their Leaves one Part of the Year, as Fern, Colts-foot, O'c.

Plants again are diffinguished with regard to their Mag-

Plant spiln see difficipationed with regard to their Mag-nitude, Oct. 18th; "Twee, Arthors; as the Oak, Plane, File Elm, Syramore, Cr.-2s" downly, Sufferniteers; as the Holty, Bear, Ivry, Junifee, Ver. 18—2s" follow, as which, Seas, See See, Ivry, Lougher, Ver. 18—2s of the Seas, 18th; Alexander, Ivr. 18th; See, Colley, George, Seete, Cr.-2s with regard to their Marre-form with, Cr. 18th; Alexander, See, Ivr. 18th; See, Ivr.

room what confideration the Divilion into Genera is befit taken; Some, as Gejaere, Calaman, Tasaroffert, &c. choing the Flower and Frolt; and others taking in the Roots, Leaves, Stems, &c. See farther under the Article Ganus. Our ingenious Mr. Roy diffributes Plents into 25 Genera, or Calife, under the following Denominations.

or Culfis, under the following Evenimation.

\*\*Pt Imperfile Burst which are fine a support to want before the proper to a support to the proper to the prope

6º Herbe capitate, or those whose Flower is composed of long fisher flowers gathered into a round Head, and co-vered with a featy Coat; as the Thistle, great Burdock, Blue-

7º Corymbiferous Plants with a discous Flower, but no Down; as the Daify, Yarrow, Corn-Marygold, &c. See

CORYMBUS.

CONTINUE.

SP Floar with a prefet Henry, but only one Seed to each hones, as Violetia, harmony, barnet, One Pettly, and Tonger, as Violetia, harmony, barnet, One Pettly, and two Seeds to ach Honey, See Unit at 1. a.—The being a large Genni is fieldwided into fewn Species, viz. Participe with a sought and large Seeds freelling in the match, a Cowweel, and with Charvill with a floarer to the special control of the control of Thoro-Wax.

10° Stellar Plants, whose I caves grow round the Stalks; at certain Intervals, in form of Stars; as Mug-Weed, Mad-See STELLATE.

110 Rough leaved Plants, which have their Leaves placed alternately, or in no certain Order along the Stalks; as

Flounds Tongue, Moule Ear, O'r.

14 Soffration, or Verticillar Plants, whole Leaves grow
by pairs, on their Stalks, one Leaf right againft another,
the Flower being monopetalous, and utually in form of a Helmet; as Thyme, Mint, Pennyroyal, Vervain, O'c. See

Heimet; as in the property of the with many niked Seeds, 13° Polyfermout, or those with many niked Seeds, 13° Polyfermout, for their Flower; as Crows-Goot, Marth-Mallows, Cinquefoll, Strawberries, Or. See Polyf-

14° Essciferous Plants, or fuch as bear Berries; as Brio-ny, Honeyückle, Solomon's-Seal, Lilly of the Valley, Nightshade, Afparagus, &c. See Bacciferous, Berry,

ROUS Oc. 19° Those with an uniform terropetalous Flower, bearing file field Seeks in oblong file outs Cases; as Stockgilly-Flower, Mustard, Radish, Oc.

Multred, Ratifih, O'c.

180 Fefselligress Plants, with a ferming tetragnalists
Besser, but of an anomalous or uncertain kind, and in reatify only monograthous, falling of almost the flowers,

190 Legaminus Plants, or fact, as beer Pulis, with

190 Heart Superior Configuration of four Paris joined at

Edges; as Peafs, Benn, Verther, Tures, Itentils, Isigno
fice, Trefold, O'c. See Lacoustroots.

30° Pafashferus Henrs, with a penagesahus or five-had-ed Elmer's in Miden-Pinis, Camploine, Odckrowed, St.
21° Fleur with a rea sladue Fork is detailed, Delice of the Pinish Station, Ore. See Busin.
21° Their with a rea sladue Fork is detailed, Delice of the Pinish Station, Ore. See Busin.
22° Thoir whole Rear approach to place Fork is 22° Clamferous Pleus, with a graffy Lesf, and an imported Flower, buring a lamosh hollow bletde Solly, with a proposite Flower, with a graffy Lesf, and an imported Flower, buring a lamosh hollow bletde Solly, with taken in a chally Flowing a lamosh hollow bletde Solly with taken of Camplorous Pleus, with a graffy Lesf, and in imported the offense See Campasproach Camplorous, with 25° Florar with a graffy Lesf, but and Calmofron, with Camplorous Pleus and Reights Chell Tall, Camplorous of Martineous Flowers; as Reiffers, Chell Tall, Camplorous Pleus and Reiffers, Chell Tall, Camploro

250 Plants whose Place of Growth is uncertain; chiefly Water-Plants, as the Water-Lilly, Milk-Wort, Mouse-Tail,

Or.

For the Transformation of our Species of Plants into amelies,
See The associate Arton, Amelian Amelian See
The associate Arton, Amelian Amelian Amelian
For the Market Amelian Amelian Amelian Amelian
In the Philipphical Transforms, we have a Difocutive of
Market Joseph Fatter, to flower, That Plants of the finence
Amelian Amelian Amelian Amelian Amelian Amelian
Interference of the Amelian Amelian Amelian
Interference of Interference Amelian Amelian
Interference of Interference Amelian
Interference and Interference Amelian
Interference and Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interference Amelian
Interf than the laft, and therefore may be reputed Aromatick, being proper for Nervous Diforders. The Tetrapetalous ing proper for Nervous Diforders.—The Tetrapetalous Kind are hot like the two formers, but exert their Power in a different Way, viz. by a Diuretick Volatile Salt, which makes them of Ule in Chronical Difeases, Obstructions, Cacochymias, Or.

PLANTA, in Anatomy, the lowest Part, or Sole of the lot of Man. See Foot and Sole.

Foot of Man. See Foot and Sole,
PLANTAGENET, in Hiftory, an Addition, or SurName, bore by many of our ancient Kings. See SURNAME,

The Term Plantagerer has given infinite Perplexity to the Criticks and Antiquaries, who could never fittle its Origin and Etymology.—The allowed it fifth belonged to the Honle of Anjase, and was brought to the Throne of England by Henry II. where his Malle Pollerity preferred it till the Time of Henry VIII. a Space of above 400 Tenr.
"Is dispated who it was that fifth bore the Name. Most

Its diparted who it was that brit bore the Name. Most ofour English Aluthers conclude, that our Henry II. inherited it from his Father Geoffrey V. Earl of Anjan, Son of Falk V. King of Greylehen, who died in 1144.—This Geoffrey they will have the first of the Name; and our Henry II. the lifue of Geoffrey by Mand only Daughter of Henry I. the second. Yet Menage will not allow Geoffrey to have bore the Name;

Yet Monage will not allow Geograp to have bone the same, and in effect the old Annalli to dayes, ? Bourdages, never calls him for.—The first, Menage adds, to whom he gives the Appellation, is Geograp that do not this Geograp V. even the total the Name be much more ancient than either of Yet runtit the Name be much more ancient than either of the Princes, if what Skenner fays of its Origin and Etymology be true. That Author tells us, that the Houle of Anjou derived the Name from a Prince thereof, who having

Anjas derived the Name from a France thereon, who raving shill shi Brother to enjoy his Principality, took to Repen-tance, and made a Voyage to the Hely Lead to expite his Crime; disciplining himself every Night with a Rod made of the Plant Genet, Genited, Broom; whence he became nick-named Planta-ge

make a medical programment of the Tour of Menagement Now, the certain that our Geoffrey made the Tour of Menagement of the Brother, and then he did not kill his Brother; nor did he go there our of Penance, but to affilt King Amenir his Brother—Who then fineld this Prince of the Brother of Angewell Per Nis 1: Falk IV ? "Its true he dispossed his elder through the Menagement of the Menagement of the Prince Per Nis 1: Falk IV ? "Its true he dispossed his elder through the Menagement of Menagement of Menagement of the Menagement of Menagement

be? Was it Full V?? The true he disposition in educ itso-ther Confeye, and clot plan in Priling. In all dot out bill may the Confeye. And could be the principle of the fine by the Son Goffey V. Alexay ment to the Confeye by the Son Goffey V. Alexay ment to Toronform, and that, too, partly on of a positional View, you are difficulty of Goff and external Dimentals, for the great Efficient of Conffine Blood, in the many mouth fittle he had been in. The Confeye of the Confeye of the Confeye of the Confeye was not sent Goff Thanks for his Mercia, Cr. To you'd, we may add, that fall was now call? Hamagener, so that Three is mother common Options which appears no best founded; and 'no this, that the Name Planagener was for Y, whereas in fall the Name Planagener was for Y, whereas in fall the Name Planagener was

sommon to all the Princes of the House or Anyon, after user-frey V; whereas in Fact the Name was only given to a few; and that, as it should ferm, to diffinguish them from the rest. Thus Boundagen never applies it to any but the third Son of Confirey V; and diffinguishes him by this Appellation from the other Princes of the fame Family.—The 'tis certain it was likewise given to the elder Brother, Henry of England, as before observed.

PLANTARIS, in Anatomy, a Mulcle which has a firthy Beginning, from the back part of the external Protuberance of the Thigh-bone, and defending a little way better Commellia and Soleas, becomes a long and finder Teaching which marches by the inside of the great Tendon and the comment of the comment of the post and the comment of the co the Sole, upon the Mukulus perforatus, to which it adheres closely, as the Palmaris does in the Hand. See Foor, PALMARIS, CO.

Some reckon this among the Extenders of the Foot. See

PLANTATION, in the Colonies, a Spot of Ground which fome Planter or Person arrived in a new Colony, pitches on to cultivate and till for his own Use. See Co-

PLANTING, in Agriculture and Gardening, the fer-ting of a Tree, or Plant, taken up from its former Place, in a new Hole or Pit proportionable to its Balk; throwing Ireth Earth over its Root, and filling up the Hole to the Leva of the other Gresind. See PLANT, TRASSISTEANTING, GARDENING, O'c.

GARDENING, C., PLANTINO an Orchold, See ORCHARD, TREE, C., PLANTINO of Forel-Treet.—After 2 Years Growth in the Nurfery, Stone-Fruit, being first inoculated or gasticely are ready for Removal; which is belt done in Oldebro or No-

eventure. To prepare the Soil for its new Gueft; a Hole is day, a found early or if the Soil he not very good, the Pit is a mude for the Soil he had been seen to the Pit in the Hole of t

Towards of from-warts the wall, and leaving only rise use Branches, which are to be nailed to it.

Will so done, the Tree is fet in its Hole, as far from the Wall as is conflictent with the Heads freeding thereon; that the Root may have the more room backwards, and the Hole then fill dup with the Compotit.

If the Soil be poor 'its proper to manute round the Tree; and in the end of February, to cover it with Fern or Struw.—Twill be neceffary to prune and nail the Tree to the Wall, at least twice or thrice every Year. See Wall.

Reperfe-Planting, is a Method of Planting wherein the ordinary Polition of the Plant, or Shoot, is inverted; the Branches being fet in the Earth, and the Roots rear'd into

the Air, which is monitrous Way of planning, which be defined as closed as the control of the planning of the Partic Trees, Timber Trees, Cr., feetgen and stoudfell, Breddy affirms as to have feet a Limit-Tree in Fishma growing with its first Rooms in the Air, which had show the control of 
formance thereof. Chaffe a young Tree of one Shoot, of Alder, Elm, Wil-low, or any other Tree that takes root readily by laying, Bend the Shoot gently down till the extreme Part be in the bend the shoot gently sown in the taken good Root.— Earth, and so let it remain till it has taken good Root.— This done, dig about the first Root, and gently take it up out of the Ground till the Stem be nearly upright; in which ftate ftake it up

fine files it up.
Then prime the Roots, now cracked in the Air, from the
Bruifss and Weeneds they received in being due ups and anonic
and the state of the state of the state of the state of the state
at Rofin, and of Turnprofine of all the Buds or Stote
piled pretty warm—Then prime off all the Buds or Stote
opon the Stem, and dress the Women's with the fine Componitions, to pretent any colleteral Shootings; and leave the refDescription of the State of the State of the State of the State

\*\*Pretty warm—Then remove called the State of the State

\*\*Pretty warm—Then prime of all the Buds or Stote

\*\*Pretty warm—Then prime of all the Buds or Stote

\*\*Pretty warm—Then prime of all the Buds or Stote

\*\*Pretty warm—Then prime of the State 
to Nature. See FEGUNDITY.
PLANTING, in Architecture, denotes the disposing of
the first Couries of fold Stone on the Massacry of the Econdation, laid level according to the Massacry, with all the
Exactness possible. See Foundation, Building, Housis,

PLASM, PLASMA, a Abould, wherein any Metal, or fuch like running Matter, which will afterward harden, is calf. See Mounty is feat for [14,837].

PLASTER, or PLASTER, in Building, a Competition of Line, fonetimes with Halt, fonetimes with Sand, 6%, to parget or cover the Nuclities of a Building. See

PLASTER of Paris, is a Folfil-Stone, of the Nature of a Lime-flone; ferving many Purposes in building; and used likewise in Sculpture, to mould and make Status, sales Relieved

Relievo's, and other Decorations in Architecture. Sec Syons, SyaTus, &c. 1 It is dag, out of Quarries, in feveral Parts of the Neigh-bourhood of Paris; whence its Name.—The fineft is that and other Decorations in Architecture, Sec.

of Montmartze, on postmarize.

This Plater is of two kinds, viz. Crade, or in the Stone; and barm, or beaten.

The crade is the native Plater as it comes out of the Quarry; in which fatte 'tis used as Shards in the Foundations of Buildings.

The barw Plater is a Preparation of the former, by calcining it like Lime in a Kiln or Formace, and then beating it into Powder, and diluting and working it. See Lima, Or. In this fate it is ufed as Mortar or Cement in Buildings. ee MORTAR.

See Monra M.

This, when well fifted and reduced into an impalpable Powder; is wied to make Figures and other Work's of Scarlperty, and is deliked of Monrell for in haing nost possible to the Scarl Figure, Scarl

any thing. See FACULTY.

The Word comes from the Greek masses, of mason, fines.

The Word comes from the Greek meases, of reasons, fings,  $J_{plikes}$ ,  $f_{prin}$ ,  $S_{prin}$ ,  $S_{prin}$  and  $S_{prin}$  the Periputation of the section  $J_{prin}$  and  $J_{prin}$  the Periputation of  $J_{prin}$  the  $J_{prin}$  the

PLASTICE, or the PLASTICE Art, a Branch of Scul-

PLASTICE, or the PLASTICE An, a Branch of Scul-pture; being the Art of forming Figures of Men, Birds, Beatls, Fifthes, Plants, &c. in Platter, Clay, Stoc, &c. See Schletters, PLASTER, &c. The Workmen concerned herein are called Plate. Plattice differs from Carving, in that here the Figures are mide by Addition of what wants: But in Carving always blade by Montton of what wants: But in Caving aways

by Subtraction of what is inperfluous. See Carvino.

The Platic Art is now chiefly used among us in FreeWork-Cielings; but the Italians apply it to the Mantlings
of Chimnies with great Figures. See Free-work, Cielino,

PLAT, a popular Term among Mariners, &c. for a Sea

PLATA, PLATE, in Commerce, a Spanific Term, fig-nifying Salver; as Vellon, which they pronounce Veillon, fignifies Copper. See SILVER, COIN, 6°c. Ignilist Gipper. See Silvirs, COIN, OY.
—Their two Ferms are not only did to be diffinished between the control of their Monits of Account.—Thus they type, and a Rist of Vellon, a which Denominations agreement and diminifinith vivilue by almost one half; 34 Maravediot of Plans being count to 65 of Vellon, a must be Place of Eight beling only 272 Maravedios of Plans be 150 of Vellon. See Divolving the Control of Plans be 150 of Vellon. See Divolving the Control of Plans be 150 of Vellon.

Only 272 Marketon of Final, out 340 of Venan.
Cart, Piece of Eight, Rial, and Maravedis.
Playe, in Commerce, denotes Gold or Silver wrought into Veffels for domeflick Uses. See Gold, Silver, Mark,

PUNCHION, &c.

PLATE, in Heraldry, is a round, flat Piece of Silver, without any Impreffion; but as it were form'd ready to receive

The Term is used only by English Heralds: for in other Nations they are known by the Name of Bezants, Argent. See BEZANTS.

PLAT-BAND, in Gardening, a Border, or Bed of Flowers, along a Wall, or the fide of a Parterre; frequently edged with Box, &c. See Bounday, Parterra, Enc-

PLATBAND, in Architecture, is any flat square Mould-ing, whose Height much exceeds its Projecture. See Moul-

Such are the Faces or Fascize of an Architrave, and the Buch are the Paces of PARIME of an Architzava, and the Plan-band of the Modillions of a Cornich. See Archit Praye, Cornich, Or. The Plan-band is fignified in Virusium, and others, by the Words English, Tanin, and Corfa. See Fascia, Tania,

PLAT-BAND, of a Door or Window, is used for the Lintel, where that is made fquare, or not much arch'd. See

tely water take is made are ulfailly croft'd with Bars of Iron,
Thele Plat-hond; are ulfailly croft'd with Bars of Iron,
when they have a great Bearing: But 'tis much better to
eafe them by Arches of Dikharge built over them. See
Door, Wirdow, Or.

PLAY-BANDS of Flurings, the Lifts or Fillets between the Flutings of Column. See Fluring.
PLATFORM, in War; is a Place prepared on the Ramparts, to raife a Battery of Cannons upon. See Rast-PART, BATTERY, C'e

It is made by the heaping up of Earth on the Rampart; or by an Arrangement of Madriers, tiling infentibly for the Cannon to roll on; either in a Cafemate, or on an Attack in the Out-works.

in the Out-works.

PLATFORM, in Architecture, is a Row of Beams, which fupport the Timber-Work of a Roof, and lie on the top of the Walls, where the Fatablature ought to be railed.

The Word is also also fed for a kind of Terrats-Walk, or even Floor, on the top of a Building, from whence we may take a fair Profect of the adjacent County.

may take a fair Profect of the adjacent County.

Language of the County of the Co

hen it is flat a-top, or has no Ridge. See Roor.
Most of the Oriental Buildings are thus coverd; as were all those of the Ancients,-Cafor was the first among the Romons who procured Leave to Build his House with a Ridge, Pinnacle, See PINNACLE.

of Prinacte. See Prinacte.

Playroam, or Odep, in a Man of War, is a Place on
the lower Deck, aboff the Main Maft, and round about the
main Capfan; where Provision is made for the wounded
Men, in time of Service,—It is between the Main-Maft and
Contract.

PLATONIC, formething that relates to Plate, his School, Philosophy, Opinions, or the like. See Plate-NISM.

PLATONIC Bodies, are the fame with what we otherwise all Regular Bodies. See REGULAR Bodies. call Regular Bodies. See REGULAR Bodies.

PLATONIC Loved, ednotes a pure fightinal Affection, fubfilling between the different Sexes, additacted from all carand Appetites, and reparding no other Object but the Mind,
and its Beauties; or a interce diffusecrited Friendfling, fubfilling between the fame Sex, abstracted from any leffish
Views, and regarding no other Object but the Perfon.
The Term took its Riffe from the Philosopher Plans, a

ennous Advocate for each Kind. See PLATONISM.
The World has a long time laugh'd at Plato's Notions of The World has a long time laught at Plan's Notions of Love and Friendflip.—In effect, they appear arrant Chi-maras, contrary to the Intentions of Nature, and inconfi-fient with the great Law of Self-Prefervation; which Love and Friendflip are both ultimately refolvable into. See

PLAYONIC Tear, or the great Tear, is a Period of Time de-termined by the Revolution of the Equinoxes; or the Space wherein the Stars and Conftellations return to their former Places, with regard to the Equinoxes. See YEAR, STAR, PRECESSION of the Equinoxes, &c.
The Platonic Tem, according to Tycho Brahe, is 25816; ac-

he E-Hatanic Low, according to Tycke broke, is 2516fg, ac-cording to Kitchia 2520-1, according to Colfur 24200 Years, This Period, which is more than five times the Age of the World, one accomplished, it was an Opision among the Andents, that the World was to begin \*new, and the Eme Series of this extra over 3201. See Parson, and PLATONISM, the Doctrine and Sentiments of Place and his Followers, with report of Philodophy, Ce. See and his Followers, with report of Philodophy, Ce. See

PRILOSOPHY.

The Founder of this System of Philosophy, Plate, the Son of Arifforder, was an Athenian; born about the Year of the of Jergoetes, was an Jetterman's court about use least of the World 3652; who after having from this Youth in Exer-cises of the Body, Painting, and Poetry, because a Difciple of Secreter—After his Mitter's Death, be applied himilaif to Complas and Hermignenes; Yill being a Mister of the Greek Philolophy, he travelled into hady, where he learnt that of

Philosophy, he travelled into Anja, where he learnt that of the Johnspran, See Principal Monte, in thirty Years Reidence he become fully acquisited with the Secrets of the Eppiral Princips, See Synaco, to creat the Secrets of Larring Rieman on Johnspran has constructiven philo-phic and the secret of the See See See See See See See Johnspran of the Anderson, a delicious Villa fit the Neighborhood of that Gry, See Academy—And hence In Phirice, See Cheffy followed Herselinus; In Ethics In Phirice, See Cheffy followed.

his Disciples were cilled Academick.
In Phylicis, he chiefly followed Heraclinus; in Ethicks
and Politicks, Secretz; in Metaphylicks, Psychogorus,
After his Death, two of the principal of his Disciples,
Arigistle and Xenerates, continuing his Office, and teaching,
the one in the Academy, the other in the Lycenm; formed
two Seeky, under different Names, the in other respects the filme; the one retaining the Denomination of Academicks; fee ACADEMICE. The other affuming that of Peripas-

rich. See PRITAFITICE.

In after-times, about the first Ages of the Christian Church, the Followers of Plaze quitted the Title of Academics, and rook that of Plaze quitted the Title of Academics, and rook that of Plazemir.

This ipposed to have been at Accordation in Egyst that they first allumed the new Title, after having restored the ancient Academy, and re-diffibility of Face's Scribingers; which in process of Time had many of them been laid aside.

> 10 C Perphyry

Perplyry, Plotin, Inshlichus, Preclus, and Plutarch, are thole who acquired the greatest Repotation among the Creek Platonists. And among the Laines, Apaleius, and Cockeldius—Among the Hebrews, Philo guadas—The modern Platonists own Plotis the Founder, at least the Reformer, of their case.

dern Vistoniis own Pietes the FOODACE, at least the Recon-ter, of thir Sci-Biologh's appears very confiftent with the Pleasure Philosophy appears very confiftent with the Philosophy appears are party of the primitive Fathers follow the Opinions of that Philosopher, as being favourable to Chari-linity——Toolin is of Opinion, Pleas could not learn many things he has faid in his Works, from mere Natural Rection; a post thinks he might have learnet them from the Books of Mofes which he read when in Egypt.

Hence Numerius, the Pythogorean, expressly calls Ploto the Artic Moses; and upbraids him with Plagiarism in that he stole his Doctrine about the World and God, from the Books of Mofes

Theodoret lays expressly, that he has nothing good and com-mendable about the Deity, and his Worthip, but what he stole from the Hebren Theology; and Clemens Alexandrinus

calls him the Hebrew Philosopher cais mm the Februm Philipopher.
Gale is very particular in his Proof of the Point, that
Plaze borrowed his Philiophy from the Scriptures, either
immediately, or by means of Tradition 1, and, befud the Authority of ancient Anthors, brings some Argaments from the
thing itself——3s. e, gr. Plaze's Confession that the Greek's
borrowed their Knowledge of the one infinite God, from
annient Promp. between dearners. Call these that the an ancient People, better and nearer to God than they; by which People, our Author makes no doubt, he meant the Jens: from his Account of the State of Innocence; as, that cred Original

cred Organsi.

As to the Minner of the Creation, Plato teaches that the
World was made according to a certain Exemplar, or Idea,
in the Divine Architect's Mind. And all things in the Uniwerfe, in like manner, he shews, do depend on the Efficacy

of eternal ideas,

of eternal Ideas.

This Ideal World is thus explained by Didgeger at Figure 1. This Ideal World is thus explained by Didgeger at Figure 1. This Ideal World Ideal 
Further, Place teaches that the Universe is an intellgent whereof this Body was form'd, he observes, was a rude in-digested Heap, or Chaos: Now, adds he, the Creation was a mixt Production; and the World is the Result of a Combination of Necellity and Understanding, i.e. of Matter, which he calls Necellity, and the Divine Wistom.

For the Anima Mundi, or Soul of the World; see Anz-

M. Affails.

M. Af

nns 1001 900 of Longs, and his Paramonides.

St. Asymtim commends the Plasmic Philosophy; and even five, that the Plasmift were not far from Cariffanity: He adds, that the Generality of the new Platonifts of his Time embraced the faith.

embrece the faith,

"falia Mary profiles, that Plan's Dottriae was of the

strond Advances to him, I helping hinto believe the My
theries of the Chritton faith,—To which it may be added,

there is a constant of the control of the control

faith of the Christon faith, the control

faith of the control

fai

MICES.
PLATTOON, in War, a fmall, funare Body of 40 or 50 Men, drawn out of a Battallion of Foot, and placed between the Squadrons of Horie, to fuffain them; or in Embufcades, Streights, and Defiles, where there is not room

for whole Battallions, or Regiments.—Platteons are used when they form the hollow Square to firengthen the Angles. See Mussquartars, Hollow Square, Bartallion, Cr. The Grenadiers are generally posted in Plateons. See

The Utenhauer are pensany power on the Branch pe GRENDLER. The Word is form'd, by Corruption, of the Branch pe-lators, a Bottom, or Cue of Thread. P.I.A TTS, on board a Ship, are flat Ropes, made or Rope-Yam, and woren one in another. See Rope, Or., Their Ule is to five the Cable from galling in the Hungor to wind about the Flakes of the Anchors, to five the Pet-dant of the Fore-fleet from galling against them. PLATYSMA, Mysides, in Anatomy. See Quadra-

PLAY, Lufus. See Game, and Gaming. Play, in Poetry, &c. See Drama, Tragedy, Comp

DY. &c. PLAY-Houfe. See THRAPRE, AMPITHEATRE, &c.
PLEA, Placitum, in Law, that which either Party in a
Canfe alledgeth for himfelf in Court. See Placitum.

Cante alledgeth for numeu in Court, See PLACTUM, CAONS, and COURT, See all PLEADING, OF LEADING, See Pleas, are either of the Crown, or Common Pleas, Pleas of the Crown, are all Satis in the King's Name, for Offences committed against his Crown and Peleze—Such are Treasons, Felonics, Misprilions of either, and Mayhem. See Traesons, Felonics, Pleasons, Peleze, Pleasons, Pleasons, Pleasons, Pleasons, Pleasons, Pleasons, Plea

Edward I. enfeoffed Walter de Burgo in the Land of Older in Ireland, &c. excepting the Piets of the Crown, viz Rapeftal, willful Firing, and Treasure-trove. Cam. tip. Ireland.

Common Plass are those agitted between common Per-lons; tho, by the Definition above hid down, they should comprise all other except those there enomerated, norwith-flanding the King be a Party. Plass may further be divided into as many Branches a Adding, in as much as they are in reality the fame thing.

Sec ACTION. There is also Foreign Plea, whereby Matter is alledged in

There is allo Ferrigo Pleas, whereby Matter is alledged in gry Court, that ought to be tried by another.—As if one by Bellevity to another in a Court-Birron. See For a trios. Please to the court of the court by the court of the court printed to his Birron of Caghire, as a supply of 2 Hear III, portice, exergity plastic and dealton menon perimetarilus. The Reasin of the Exception way, that Villam the Con-puter of the Caghire of the Caghire of the Court of the Exception way, that Villam the Caghire than the Caghire of the Caghire of the Caghire of the level and Caldinus. See that the Caghire of the Caghire level and Caldinus. See that the Caghire of the Caghire of the Caghire level and Caldinus. See that the Caghire of the Caghire o

bere ad Gladium, ficut infe Rex tenuit Angliam ad Coronam. Accordingly in all Indictments for Felony, Murther, &c. Actoringry in an inflactments for resonty observed on the Country Palatine, the Form was, Contra pacen Domini Comitis, gladium & dignitatem fram, or course dignitates Gladii Corria.—Such were the Plens of the Dignity of the

Earl of Cheffer. See GLADIUS. Court of Common PLEAS, call'd also Common Bench. See Соммон

COMMON Pleas.

PLEA DING a Discorrie spake at the Bar, in Defence
of the Causic of a Party. See Plea and Bar.
From the Time of the Conquest, all Pleasing was performed in French, ville the Time of Ection III. when it was
proposed that the Pleas should be pleased in Designify, but to
be the Arthur and well of Fourier and Ecolomb, it was protakened in the Pleas and Ecolomb, it was protakened in the Pleas and Ecolomb, it was pro-

At Athems, and even in France and Enatumb, it was pro-biblied to have any form'd or prepared Pleading, or to a-muse the Court with long artificial Hurangues; only, inia-portant Matters, twoss the fettled Cofnon to begin the Plea-dang with a Pafige in holy Scripture. See Taxx. "Is but of late Years that Eldopence was admitted to the Bar; and it may be faid there is fairce any Nation in Ex-were where it is the Grafficial or accommend the more

rope where it is less practiced or encouraged than among us. The Elecution of the Bur, like that of the Pulpit, definies the Roles of Rhetoric. See Acrion, Elequence, ORATORY, Oc.

PLEADINGS are properly the Allegations of the Parties to the Suits, made after the Count, or Declaration. See Di-CLARATION.

In this Senie the Pleadings expects what is contained it in be Day, Replication, and Reforder; and not what is in the Day, Replication thick—Hence Definite in the Matter of Exchanged Control of the Con In this Sense the Pleadings express what is contained in

feme future Good, or confided Senfition of a prefent one, fith, or cut the Throats of the Natires while they work for an inflance of either.—A Man frequently finds Ples- for an inflance of either.—A Man frequently finds Ples- for in cuttog a Fruit he was before unacquainted within 1 dertaking, or answering, for another. See Source and Indiana.

For an inflance of either.—A Min frequently finds Plan-fuer in eating a Fruit he was before unexquainted withat! This is anticipating Pleafure, which he feels e'er he knows the Fruit to be good.

On the other hand, a hungry Hunter expects, or perhaps actually finds, ViRtuals, where the Joy he conceives, is a Pleafure that follows from the Knowledge of his preient

Among the Multiplicity of things to be done, and to be avoided for the Preferration of animal Life, or, how should we have diffinguished between the one and the other, but we alway antisymmetro Detween the one and the other, but for the Senfations of Pleafare and Pain? There are not on-ly Spors, to urge us on, but allo Guides to direct us whi-ther we are to go. Wherever Nature has fird a Pleafare, we may take it for granted, the there enjoins a Duty; and founching is to be there done, either for the Individual or

the Species,

the species,
Hence it is that our Pleasure vary at different Stages of
Life; the Pleasure, e. gr. of a Child, a Youth, a grown
Man, and Man, Orc. all tending to toke particular things
required by Nature in that particular State of Life, either for
the Prefervation, fumply, or for that and Propagation, Orc.
Bence, from the different Conflictions of the Body, at different Ages, it were very easy to account for all the par-ticular Taffes and Pleasures thereof: Not by deducing the Pleasures mechanically from the Disposition of the Organs in that State; but by confidering what is necessary for the Perfection, and well-being of the Individual in that State, Perfection, and well-being of the Individual in that and what it is to contribute to that of the Species... Child, c. gr. mere Prefervation in the prefent State is not enough; it must likewife grow: to bring this to pass, Nature has made the Returns of Hunger, &c. more frequent, as well as more acute; and the Pleasares of feeding more ex-quifite. And that the Excels of Aliment in Proportion to well as more stone; and the reacts of Aliment in Proportion to the Bolk of the Body may be differend withal, the has made one of the great Plesspires of that State, to conflict in a Series of iportive Exercises, by means whereof the Parts of the Body come to be opened and expanded, and arrive at Maturity. This done, the Pleafures that conduced thereto disappear; and others fuited to the new State, forceed. See NATURAL Inclination; fee also Passion.

For the Pleasures of Benuty, Music, &c. See Beauty, Mu-

SIC. Cr.
PLEBEIAN, PLEBEIUS, a Person of the Rank of the Populace, or Common People. See Populace, and

The Term is chiefly used in speaking of the ancient Romans, who were divided into Senators, Knights, and Plebeians. Sec

SENATOR, KNIGHT, O'C PLEBANUS, was anciently the Title of a Rural Dean,

See RURAL Dean, The Denomination arose hence, that these Deaneries were The Denomination arole hence, that these assures were then affixed to the Pilebain, or chief Mother Church within fach a Diffrid, which as first was usually ten Parishes. The Term ferms also to have been used for a Parish-Priest, of such a large Mother-Caurch, as was exempt from the Jurislikiston of the Ordinary, to that he had the Authority of a Rural Dean committed to him by the Archbishop,

the Church was immediately fubject. to whom the Courte was immediately more at Law enacted PLEBIS CITUM, among the Romant, a Law enacted by the Common People, at the Request of the Tribune, or fome other Plehelan Migistrate. See Law.

The Word Plebifeitum is particularly applied to the Law which the People made, when upon a Mitanderstanding with the Senate, they retired to the Avenine Mount. See Caviz. PLEDGE, PLEGIUS, or PLEGGS, in Common-Law, a Surety, or Gage, either real or perfonal, which the Plaintiff finds to profecute his Suit. See GAGE and SURE-

The Word is fometimes also used for Frank Pledge, which See also PLEDGERY. To Pledge, in Drinking, denotes to warrant, or be Surety to one that he shall receive no harm while he is taking his

Draught.
The Phrase is referr'd by our Antiquaries, to the Practice of the Dauet, heretofore in England, who frequently used to

PLEDGS.

The Appellant fhall require the Conflable and Marchal to deliver his Pleggs, and to diffuring them of their Pleggs ry; and the Conflable and Marchal fhall ask leave of the King to acquire his Pleggs, after that the Appellant is come into the Lifts to do his Devoir. Orig. Jun. or Va. Cod. MS.

into the Lifts to do has Levour. Longs January and Ball. Sedies.

FLEGIIS acquisituadis, a Writ that lies for a Surety, and the pay not the Monory to the Company of the Co

PLEIADES, in Aftranomy, an Affemblage of feven Stars, in the Neck of the Confiellation Tapras. See STAR

Syan. They are thus call'd from the Greek www, manigore, to fail; as being termile to Marianes, by reason of the Reims and Soomen that Grouper (in with them.) Soomen that Grouper (in with them.) Greek was the Greek of their ridge about the Vernal Equinos. See Vernal 12. The Irregit is of the third Magnitude, and call Leading Phinadum. See their found Lampitade, Lamitade, Adaquitade, Oct. and the Adried La now. A wind of the Coretic greek of the C

my Philadelphus.

On the fame Model, some of their Anthors are projecting a new Pleiades of the Latin Poets of the present time; But a new Personal of the Latin Poets of the present time; But they are not yet agreed about the Names of thole that are to compose it; much less on him who thall be the Lacida Petisadum—N. Beilder has named F. Ropin, F. Commire; F. de la Rue, M. de Santzail, M. Memage, M. du Perier, and M. Petis.

PLENARTY, in Law, a Term need in Matters of Benefices, in opposition to Vacancy. See Vacancy, Va-Inflitution is a good Plenarty against a common Person, but not against the King, without Industrion. See INSTITU-

out not against the King, without induction. See INSTITU-TION. Coke on List.

PLENARY, formething complext, or full.—Thus we fly
the Pope grants Pleasy Indulgency, i. e., full and entire Remillions of the Penalties due to all Sins. See INDUI-

The Word is form'd of the Latin Plenwins, of plenus

PLENILUNIUM, in Aftronomy, that Phafis or flate
of the Monn popularly call'd the Fall-Monn. See Moon.
The Word is a Compound of the Latin plenus, and

PLENIPOTENTIARY, a Person who has full Power and Commission to do any thing.

The Word is chiefly understood of the Ministers or Embasfadors fent from Princes or States, to treat of Peace, Marriages, and other important Matters. See Manister, Em-

8585, and other important.

EASADOR, Orc.

The first thing done in Conferences of Peace, is, to eximine the Powers of the Hempotentiavies. See TREATY,

The Word is compounded of plema fall, and Petentia

PLENITUDE, the Quality of a thing that is full; or PLENTICULE; the third which for a Redundancy of Blood and Flumours. See REPLEYION.

Flumours. See REPLEYION.

Physicians recken two kinds of Plenitude.—The one call'd ad Verst, when the Abundance of the Blood oppress the Patient's Strength.

The other ad Verst, when it fills the Vessels too much; strelling to a Degree of bursting. See Plentworks.

PLE NUN, in Physics, a Term used to signify that state of this case to the state of the second of

of things, wherein every Part of Space, or Extention, is supposed to be fall of Mitter.—In opposition to a Paxam, which is a Space supposed devoid of all Mitter. See VA-

The Courefans adhere firmly to the Doctrine of an absolute Planum.—This they do on this Principle, that the Effence of Matter confifts in Extension; from whence, in-Effect of Patter Comms in Extension; nonesceptible deed, the Confequence is very easy, that wherever there is Space or Extension, there is Matter. See Extrassion. But this Principle we have thown to be falle; and therefore the Confequence drawn from it falls to the Ground. See

MATTER.

But that there is a real Vacuum in the Nature of things, is likewise demonstrated by Arguments a posteriors, under the Article Vacuum in the Nature of the Article Vacuum in the Nature of Nature of Perchange of Speech, whereby we make use of Words feemingly needless and superfisions, in order to experts a Thought when your long restree Force and Energy. Such by, June 3 with my orner of the Nature of the Nature of 
Eyes, &c. See Figure.
The Plesmann is call'd by the Latins, Redundancy. See

REDUNDANCY.

PLEONASM, in Grammar, is usually defined a Fault in DIfcourse, wherein we say more than needs,—As, he heard it with his Ears.

with his Euri.

M. Fongrias will not allow the Phrale, I form is with noy
some byte, to be a Hennylin', instinute as there are no Upper
some best of the control of the thing affirmed.—"The Similicant
that one of the Phrale Sip Somewhat more than the other
avoid the Imparision of a Plennylin Plannylin to any thing.
In effect, the we give the Name Plannylin to any thing
that is not be celling, you that other he labeled to the proper significant of the property 
dently of the Senfe, or Conftruction; yet there are frequentare used to good purpose to give a greater Force, or Grace

to Discourse.

He ficke with his Mouth, is a Pleasafur in English; 'tis none in Latin; First frys, he are locatus.—Some French Authors deny wine wie mehr, to unite together, to be a Pleasafur in the control of the co

The Word is form'd from the Greek entenerals, Super-AlPLEROTICKS, in Medicine, a kind of Remedies,

The Word is form'd from the Greek and green in III.

PLETED OR A, in Medicine, ford an Abendance of any good and landable. Humour as proves hortful to the animal

good and Inadable Humour, as proves harital to the animat Fanklians. See Humour, or, Flethwais chiefly underflood of the Blood; the fometimes of the other Humours. See Broom. The Flethwa is the Confequence of a good Cityllfication, Sangilification, ove. attended with a too flating Diffiliarge by Perfifration, ove. It is usually defethed as either ad virzs, or ad vofa. See

Dr. Freind makes the Catamenia, or Menies, the mere Re-Dr. Premat makes the Cataments, or Menties, the mere Re-fall of a Plethway, and will have them only an Evacuation for Relief against the Quantity of the Blood, which he simposes to be natural to Women, from the Hamility of their Tem-perature, the Smallings of their Velfels, Oz. Hence a Cos-ceration in the Blood-Velfels, of a Superficity of Allment remaining over and above what is excreted by the common Ways. See Mentes.

Ways, See Menses.
PLEVIN, in Law, a Warrant, or Affittance. See REPLEVIN, WARRANT, &c.
PLEURA, in Anstony, a Membrane which lines the
Breaft and enclose all the Parts contained therein; being of
the time Figure and Extent with the Thorax itelf, and of
the time Sublance with the Pertionatum. See Iroqua.

Tis very fine and thin, yet manifelly double; thickeft about the Back, where it is faltened to the Ligaments of the Vertebre.—In the middle of the Thorax it is doubled, which Duplicature forms what we call the Mediafinum, which divides the Thorax longitudinally into two Parts. See

Which divides the 1 notate congruences.

The Use of the Plants is to defend the Inside of the Thoraxs, and render it smooth, that the Lungs may not be hurt in their Motion. See Lungs.

The Word is derived from the Greek wange, Side. The arius call it Succingens. PLEURITIS, PLEURISY, in Medicine, a violent

PAIN IN THE UNITED PRINCIPLE A THE PAIN IN PROBLEMS, A THORNE PAIN IN THE DESCRIPTION OF THE PRESENT OF THE PRE

and PLEGRA.

and Prieza.
It usually arties upon cooling too halfilly, after violent
Heat; a shy drinking cold Water, lying open to the Air, &c.
This halfamation felezs any part of the Integraments of
the Thorax, wiz, either the Pictra or Mediathinam; and
therefore the pricking Pain may be felt in any Part of the
Thorax to but the place it most ordinarily infelse is the Side;
formetimes the right, founttiness the left, formetimes higher, fometimes lower.

This makes what we call the Pleasinit wire, or true or internal Pleasify, in expolition to the Nubs, or fjuritan or external Pleasify, which is a Pain in the Side, without any every, and frequently without any Googh; and is fuppode to arise from a firm Secolity lockd on the Pleasi, or higher among the internoials Molitics.

among the infectional systems.

The great Remedy in the true Pleurify is copious and repeated Bleeding. In Adolts, Sydenham observes, it is feldom corred with lefs than the Loß of forty Ounces of Bleeding.

By omitting Philebotomy the Patient is frequently fufficient.

The Plearify fometimes facceeds another Fever; occasion'd by a Precipitation of the Febrile Matter upon the Pleura. When it rifes to an Imposthume, it is call'd Empyrma, See EMPYEMA

When it happens in the Mediaftinum, or Diaphragma, it

When it lappens in the Medialitious, or Daphergams, it is called Turnjerimis. See Prantustration. See Prantustration is called Turnjerimis. See Prantustration is called Turnjerimis. See Prantustration is called Turnjerimis. See Prantustration is seen to the Prantis see Investment See Prantustration is seen to the Prantustration in the Prantustration in the Prantustration is seen to the Prantustration in the Prantus Prantustration in the Prantustration in the Prantustration in the Prantustration in the Prantus Prantustration in the Prantus P

The state of the s Plexus Presumanicus. See Presumanicus, — In each Trunk
of the Intercoftal, before it arrives at the Thorax, are two Plexus Ganglioformes, call'd Plexus Cervicales.—When arrived in the Ihorax, it receives three or four Twigs from the Vertebral Nerves, together with which it conftitutes the Plexus Intercalatis, whence descending into the Abdomen, it forms that famous Piece of Network, call'd on the Right Side Plexus Hepaticus, and on the Left Plexus Splenicus,-Side Plawa Hapatiess, and on the Left Plewa Splenius, From the Hapaties Plewa stife A Number of Branches, pro-ceeding fome to the Liver, others to the Panchreas, others to the Capfalio of Colfan, and other larger ones to the Right Kid-ney—The Splenic Plewa fends one Franches to the left Part of the Ventricle and Planchreas, the Splens, the left Artobliny Capfala and left Kidney.—Laftly, Several Branches both Capital and left Natury.—Latity, feveral Branches both from the Hepatica and Splenic Plexury affining long the Medinetric Arteries, especially the upper to which they ferre as a kind of Corey, form the Medinetic Plexus, which bears fome Refentlance to a Sun, from the Circumference whereof proceed feveral little Branches or Threats in manner of the Medinetry of the Circumference of the

PLEXUS Chroides is a wonderful Contexture of fault Arteries and Veins, and, as fome fay, Lymphaticks, in the Brain, on each fide of the Thalami Nervorum Opticorum, and just over the Pincal Gland. See Chonoloss and REATN.

It is fometimes also called Plexus Reticularis, from its net

It's fometimes also called PLEASE GENERALTS, INDICATE OF LIRES STRUCTURE. See REFIGURARIS.

PLICA, in Medicine, a Diffasie of the Hair, peculiar to Pelanda, and hence denominated Pelanics, the 'there are inflances of it in Hungary, Alfasia, Smitzerland, &c. See

Helica of the second se the Hair become complicated, a violent Pain ; a Sweat ufually attending it. An unleafonable cutting off of the Hair in this Cale is dan

An unfeinathe cutting off of the Hair in this Cale is dis-gence. To or his easy proper and adequate Remerly of me-perature of the Hair in the Hair i

feeming to have been originally intended to keep the

PLOW, or PLOW, in Navigation; an ancient Mathematical infirument, made of Box, or Pear-tree, used to take the Height of the Sun or Stars, in order to find the Latitude. See HEIGHT, LATITUDE, O'c.
It admits of the Degrees to be very large, and is much

effected by many Artiffs; the new generally diffifed a-mong us. See ALTETUDE. PLOW-Land, or PLOUGH-Land. See CARUCATA

Piow-Alms, a Duty anciently of a Penny, paid to the Church for every Plough-Land, or Hide of Land. See

De qualibet Caracata juntta inter Paſcha & Penteshoftem weum

De qualitet Cerucaus justife siter Poplishey Peatstelightun name demanus, qui distert Plou-Alines. Mennél. Age.
P.I.U G, a large wooden Peg wherewith to Hop the Bottom of a Ciffert, Cask, Pipe, or the like.
P.I.UMAGE, the Feathers, or Covering of Bilets; For the Alteknamija, Rec. whereof, lie Feathers, In Falcoury, Plannage is particularly underflood of the Feathers under a Huwle's Wing. See Haws and Hawk.

ING The Falconers also give their Hawks Parcels of small Fea-thers to make them cast; and these they call Plumage. See

PLUMB, in Matters of Spicery. See CURRANYS and

PLUMB-Line, a Term among Artificers for a Perpendi-It is thus call'd because usually described by means of a

Plummer. See Plummer.

PLUMBAGO, among the Ancients, was the Oar of the Black-Lead, used in making Pencils for designing, See. See BLACK-LEAD.

Penner adds, that Plumbage was the Sea-Lead of the Ancients; who, he notes, took that Drug for a Production of the Sea, not a Mineral, as it really is; but this is fearee cre-

dible. UMBERY, the Art of editing reporting and work-bit Leady, and ching in Building programs. As all and the Leady and ching in Building and the Leady Fachasian, Lead. The Word is form will of the Leave Fachasian, Lead, the Leady of the The Lead will be Thanker's far faulth form the Leady. As a ching of the Leave Fachasian, Lead, to editarily weighing shout an hundred Pounds spices, during the program of the Company of the Company of the Company of the Ching of the Ching of the Minds of the Plumbers of the Company of the Ching of

give a Description of:

## Method of valting large Sheets of Lead,

The Lead defined for this use is metred in a large Caul-dron or Fornace, usually boilt with free-Stone and Earth free-Stone and Earth free-Stone and Earth ferr. At the bottom berrof is a Pitze final lower than the refl, wherein is disposed an from Pot, or Peck, to receive what may remain of the Metal Bette Sheet is run. The Farnace is 6 mird above the Area of the Floor as that the ron Top ight earth scheeces.

To Uit he Former they heat it with Wood laid within it; that done they throw in the Last, pell-mell with be borning. Only, to notit—Near the Fairnes is the Table, the Fairnes is the Table, the Fairnes is the Sandard Sandar To Use the Furnace they heat it with Wood laid within

from 18 to 20 Foot.

The Table is cover'd with fine Sand; prepared, by moiftening it with a Watering-Pot, then working it with a Scick; and at laft, to render it fmooth and even, beating it fits with a Mallet, and planing it with a Ruler or Slip of Parend.

Over the Table is a kind of Rake of Wood, which bears Over the Table is a kind of Rake of Wood, which bears and piays on the Edges of the Frame by means of a Notch cut in either End thereof; and so placed, as that between it and the Sand is a Space proportionable to the intended Thickness of the Sheet.—The Use of this Rake is to drive the Matter, while yet liquid, to the Extremity of the

A-top of the Table is an Iron Pan, Peel, or Shovel, bearing, before, on the Edge of the Table itielf, and behind

This is an anderst Piece of Hubbandry, Xmoplum, Pinder, on a Tredit Gunerwhat tower than the Table—In Uii, it and Frigit recommend it; witted bode Verles of Frigit.

It is a subject to the subject to t

mooth and strait,

# Method of casting thin Sheets of Lead."

he Table or Mould here used is of a Length and Breadth The lable or Moold here used so or a Length and Isreactin at differetion, only ledged on one fide—included of Sand they cover it with a Piece of woolen Stuff, nailed down at the two Ends to keep it tight; and over this lay a very fine lin-nen Coth—The Feet of the Table are uneven, so that it

nen Cloth.—The Fect of the Table are uneven, to that it does not final horizontal, but moverably inclined.
Great Regard is had to the Lead while melting, that it have the juft Degree of Heat, to as it may run well, yet not burn the Linnen.—This they judge of by a Piece of Paper, for it the Paper take fire in the liquid Lead, the too hor, and if it be not thrunk and feored a little, tis not hot enough

Being then in its just degree, they have a Rake, but dif-ferent from that described in the former Article; as serving both for Peel and Rake, to contain, and to conduct the li-quid Lead.—Tis in effect a wooden Box without any bot qual Lead.—Its in circet a wooden box winnout any bot-tom, only cloded on three Sides. It is pretty high behind, but the two fides, like two acute Angles, fill diminish to the tip, from the Place where they are joined to the shird or middle Piece where they are of the same Height therewith, wie. 7 or 8 Inches high.—The Width of the middle makes that of the Rake, which again makes that of the Sheet to be caft.

be cash.

The Rake is placed a-top of the Table, which is, before, covered in that Part, with a Pafte-board that ferves as a bottom to the Box, and prevents the Linnen from being burnt while the liquid Lead is pouring in—The Rake is fo diffosed on the Table, as that the higheft Part looks to the lower end of the Table, and the two floping bides to the higher end.

End. Rate is now filled with fast according to the Quar-ter to be field, which does, bow. More going the Carlot-the Table, let the Rake defected down the Table, or died draw it down with a Velocity grater or left, as the Sheet is to be more or left thick; the Thickneft of the Sheet fills down the Inclining Mold.

The firm from the Sheet of Lend are forestime find by tween the Johns of type Shores it agest Building, dry.

#### Method of making Piges without foldering.

To make these pipes they have a kind of Furnace, confling of a lurge Iron Furnace or Cauldron, supported on a perty high Iron Stand. The Cauldron is encountable with a Massive of Bricks and Lourn; only leaving a Mouth or Passing or the Conveyance of Wood underneath, and lighting the Fire; and another little Aperture behind, to ferce

as a Vent-hole In this Fornace they melt the Lead, after first heating it with a Fire underneath: To forward the Fusion they put in burning Faggots along with the Metal.—The Metal is skim-

Durming isagons along with the Metal.—The Metal is skin-med and lade on with the luftruments mentioned above. Near the Furnace is a Benth, farmillal at one End with Proncy Girt, armad with an Iron Hook at one Extremity, is inference by the other to the Axis of the Mill, atomat which it turns when in Motion. On this Benth the Monids of the Pipes are placed horizontally; and rhe Mill and tuck office from the Axis of the Mill and the Mill and the Girt farve to draw out the Iron Core after the Pipe is

The Moulds of these Tubes are of Brais, and consist of two Pieces which open and that by means of Hooks and Hin-ges their inner Calliber, or Diameter, is according to the Size of the Pipe to be made; their Lough is uttailly two Foot and a half.

In the middle is placed a Core, or round Piece of Brass or Iron, fomewhat longer than the Mould, and of the Thick-

The Method of Plasting, where the Angles are taken by the Theodolite, i.e. by Back-fight and Forr-fight, (as tis call'd, less Backsoff, co.); is foundation that angles for plating, the Quantity of each must first be found; by substracting the Degrees of the Forcificht and Back-fight from each other: The Remainder is the Angle to be protracted, See THEODOLITE

protected, See Tutopourts.

The Uie of puriled lies is here excluded, and sifteed of laying the Percardur continuity on, or puriled to, Meridians, its Direction is swind an every Angle——The Prediction is swind an every Angle——The Prediction of the Prediction of th now are country of the range A nave been found 140°; the Diameter of the Protractor is to belaid not the Line AK, with the Center over A, and against the Namber of Degrees, with 420, a Mark made, an indeterminate for Line draw thro it, and the Diffusire of the Line A B laid down from the Scale theretopon.

the Selle therepoor.
These we glist the Point B<sub>3</sub> upon which laying the Control of the Potrastlers, the Diameter, along the line AB is Number of Sergers, the Manufers of the Potrastlers of the Potrastle

See PLOTTING.

It is demanimate from its Ule in plotting or ucromas, Dr. one fide of the linflument (represented Tab. Surveyor, E. E., 32) are ferm ferral. Scales, or Lines, divided into equal to a mile of the link Scale for link scale fo

COOM not two cames of cooking the cooking of the back fide of the Influment is a Diagonal Scale, On the back fide of the Influment is an Inch long if the being the cooking of the fide is another Dagonal Subdividoo, of ball the length of the former, into the lame Number of Parts, ear.

length of the former, map the manufacture of the top.

See Diagonal.

Next the Scales, is a Linedvided into hundredth Parts of a Foot, number of 10, 20, 30, %c. and a Line of Inches fubdivided into tenth Parts markd 1, 2, 3, %c.

## Wie of the PLOTTING Scale,

1. Am Diffuete being neufured mich the Chain, to lay it down m Jour,—suppose the Diffuete to be of Chains so Chains so chains to the Chains to the Chains for the Chains, for the Chains for the

To find the Chains and Links contain'd in a right Line, c. gr.

To find the Coisin and Links commaid in a right Line, e.g., that yet draws, security to any Soda, or, that do 20 in a links—Take the Length of the Line in the Compuffic; and applying it to the given Study, 2004 find in extend from a papilly all the private Line Study. The Line is the Coisin Study of the Line is the Line in the Line is the Line in the Line is the Line in the Line is the Line is the Line in the Line is the L

The Parts of the Plough are, the Plough-Beam, the

Handle, Tail, Seiler, Hales or Staves, Neek or Share-Beam, Earth-beard, Mendel-beard, Break-beard, Farrow-beard, Shield-beard, &C. The Sheath, Sheer-Iron, Coulter, Plangh-Fin and Caller-Links, Plangh-Pillow and Bolfter, and Constitutes Ul. J. 1988.

The Structure and Contrivance of the Plough is various in various Kinds of Grounds: A particular Description of all would be endless.—The most usual are

would be endiefs.—The most fluid are
'I 'The dealth' endered Plengh doed throughout Herrigat,
John's, See.—This is apparently one of the bells, fittengant,
and of cainful Promjets, of may; a difficult like all laids of Laids
Glays in Winter; which are not to the the
Wheels, which was the seed of the seed of the
Theore-Wheel formeliness larger than the offier;
2° The Lineachighire Plengh is fingular in its Shapes, and
very spoof for Marth of Ferny Lands, Johget to Words and
Sedros, but free from Stones; by realen of its Coulter and
the Largezed of its Starre, which is donn a Foot Board and

the Linguistics of its oracle wants when the very tharp.

3 The Soffer finite Wheel Plength is of a clumity Make, wery wide in the Beeach, so that the Draught of it must be very hard.——It is chiefly remarkable for its Shape, were hard.——It is chiefly remarkable for its Shape.

I tenth——The Moule-board is three times the ubal Length, to this He Tard 3 great way of from the Tenth. and half at 100, and a Foot deep; and is drawn with treatp Horfes, "I hee Dray Plaudi 1 the most 1 from 1 fr

End, with the convex Side turn'd to the Plowman, and the concave Side (a little inclined) to the Horfe. Its Tail is in a right Line with the Share,

With this Plags and one Horfe the Spaniards plough two or three Acres of their light Ground in a Day. 7° The Colebetter Plough is a fine light Wheel Plough, with

7º The Colebefer Plough is a fine light Wheel Freeze, with which two Hories will cut up two Acres of their light Land in a Day.—It is peculiar for its Iron Earth-Doard made rounding, which turns the Tarf better than any other Plough

8° One Wheel Flough may be used in almost any kind of Ground; being lighter and nimbler than other Wheel-

of The Double Plough. In this, there is one Plough fix'd to the fide of another; so that by means of four Hories and two Men a double Furrow is plough'd, the one by the fide

two men a double purion a property to the other.

10° Add to the canother kind of Druble Plaugh, whereto Add to the property and to note, one under another, by which the Earth is filir'd up 12 or 14 Inches Depth, which to draw Remofil. which is of great Benefit.

which is of great Rendell.

P to 0 or is, around Boobbeders, is to Oo wherevith they be perfectly the property of the property ploughing confifts,

ploughing contusts.

Pleaphing of Euleous, call'd also following, is a Preparing of Land by ploughing, long before it be ploughed for Seed.—
This is a confiderable Benefit to Lands, few of which will bear above two Crops faceaffively without fach Respite.

Hence Landbords aft to bind their Tenants to it once in 3 When this is done twice, 'tis call'd enrifallening, when

When this is done twice, '95 call'd ranjoillaring, when their crijidaring, as as the Hubandrann has done fowing that Corn; and this is to be very ballow, well rarrid, and the Corn; and this is to be very ballow, well rarrid, as the corn; and this is to be very ballow, when they go the fall Depth.—The third, which is just you then they go the fall Depth.—The third, which is just to the party of the fall Depth.—The third, which is just to the party prived Sury, or plough it up again into Ridges. In Supfrield's party ballow the three Summer Fallowing, they falley give their Land a Winner fallowing. Hisy com-monish the plenging of Lands four times, and to does Free

Ills demum seges voris respondet avari Agricola bis que solem, bis frigera sensit. Georg, lib, 1;

This is an ancient Piece of Husbandry, Xenophon, Pindar, and Virgil recommend it: witness those Verses of Virgil.

Alternis idem tonsat, cesare Novaleis, Et segnem patiere situ durescere campun, Georg, lib. 1,

PLOW, or Plow, in Navigation; an ancient Mathematical Infrument, made of Box, or Pear-tree, ufed to take the Height of the Sun or Stars, in order to find the Latisade. See History, Latvrops, or.
It admits of the Degrees to be very large, and is much effected by many Artifle; the now generally dissided among as. See Altritops.

PLOW-Land, or PLOUGH-Land. See CARUCATA PLOW-Alms, a Duty anciently of a Penny, paid to the Church for every Plough-Land, or Hide of Land. See

HIDE-De qualibet Caracata juntta inter Pafcha & Pentechoftem unum

De qualitét Circusus spents unter régent de Pentecogrem anume menvum, qui deistur Plou-Almes. Mannes. M. P. L. U.G., a large wooden Peg, wherewith to ftop the Bot-mon of a Cilfern, Cask, Pige, or the like. P. L. U.M.A.G. E, the Feathers, or Covering of Birds; For

the Michanifm, &c. whereof, see Feather.

In Falconry, Plumage is particularly understood of the Feathers under a Hawk's Wing. See Hawk and Hawk-

The Falconers also give their Hawks Parcels of small Fea thers to make them caft; and thefe they call Plumme. See ISTING.
PLUMB, in Matters of Spicery. See CURRANTS and

RAISINS.
PLUMB-Line, a Term among Artificers for a Perpendi-cular Line. See Parenticular.
It is thus call'd because oftally described by means of a Plummet. See Plummer.

PLUMBAGO, among the Ancients, was the Oar of the Black-Lead, ufed in making Pencils for defigning, O'c. See

BLACK-LEAD. Pomer adds, that Plumbage was the Sea-Lead of the Ancients; who, he notes, took that Drug for a Production of the Sea, not a Mineral, as it really is; but this is karce cre-

Work in Building; the Process of these, therefore, we shall give a Description of:

## Method of cofting large Sheets of Lead,

The Lead defined for this use is melted in a large Caul-dron or Furnace, usually built with free-Stone and Earth, fortified on the out-fide with a Maffive of Shards and Plafor the bottom hereof is a Place funk lower than the reft, wherein is disposed an Iron Pot, or Peel, to receive what may remain of the Metal after the Sheet is run. The What may remain of the Nectal after the Sheet is run, The Furnace is fo rais'd above the Area of the Floor as that the Iron Pot just refts thereon,

To Use the Furnace they heat it with Wood laid within

it; that done they throw in the Lead, pell-mell with the burning Coals, to melt.—Near the Furnace is the Table. burning Coals, to melt.— Near the Furnace is the Table, or Mould, whereon the Lead is to be crift.— It conflits of large pieces of Wood, well jointed, and bound with Bars of Iron at the ends. Around it runs a France, confliting of a Ledge or Border of Wood two or three Inches thick, and one or two high from the Table. The ordinary Width of the Tables is from three to four Foot; and their Length

the sauces is from inree to four root; and their Length from 18t 20 February and the sand; prepared, by moliter-ing it with a Watering-Pot, then working if with a Stek; and at haft, to render it finooth and even, beating it flat with a Millet, and planing it with a Kuler or Slip of

Brais,

Over the Table is a kind of Rake of Wood, which bears
and plays on the Edges of the Frame by means of a Notch
cut in either End thereof; and so placed, as that between it
and the Sand is a Space proportionable to the intended
Thickness of the Sheet. — The Use of this Rake is to drive
the Maria Committee of the Sheet. the Matter, while yet liquid, to the Extremity of the Mould.

A-top of the Table is an Iron Pan, Peel, or Shovel, bearing, before, on the Edge of the Table itself, and behind

on a Treftle fomewhat lower than the Table.——Its Uic is in conveying the Metal into the Mould; and the Defign of its oblique Disposition is, that it may by that means be able to retain the Metal, and keep it from running off at the fore-fice, where it has no Ledge.——Some of their Peels are

fore-field, where it has no Ledge.—Some of thefe Pedis are by enough to hold litteen or fixteen hundred Weight of Lend, and even more. Things being thes disposed, with a large Iron Ladle they take out the melted Lead, Casis and all, out of the farmace; which takes mired as it is, fill the Iron Pedi-Wiles fall, which are mired as it is, fill the Iron Pedison. When fall, when the Iron Spoon pieced spiles, and clear the Leaf with another Iron Spoon pieced spiles, and clear the Leaf with another Iron Spoon pieced spiles.

Iron Spoon pierced after the manner of a Scammer.

This done, they holif up the lower Part of the Peel by
its Handle; proor which the liquid Mitter running off and
foreading it fell on the Mondle, the Plumber conducts and
erives it to the Extremity of the Table by means of the
Ricke, which the Workman piffesslong the Ledges, and thus
renders the Sheet of an equal Thickreft.—The Sheets thus
clif thece remains nothing but to edge them, i. e. to take off the two Sides with a Plane, in order to render them fmooth and firsit.

# Method of casting thin Sheets of Lead.

The Table or Mould here used is of a Length and Breadth at discretion, only ledged on one fide.—Instead of Sand they cover it with a Piece of woolen Stuff, nailed down at the

cover it with a Vicco of woolen Stuff, nalled down at the web finds to kept it tight, and over this by a very fine lin-nea Colob.—The Feet of the Table are uneven, both it has been as the second of the table are uneven, but it forest Regard is had to the Lead within melting, hat it have the just Degree of Heat, to as it may run well, yet not born the Linnea—This they judge of blv a Piper of Degrey for if the Paper take fire in the liquid, lead, 'its too be the control of the second of the liquid of the liquid of the hot enough.

hot enough. Being then in its juil depree, they have a Rake, bet dif-ferent from that described in the former Articles; as furing both for Pedu and Rake, an contain, and to conduct the Line of the Control of the Control of the Control of the ton, only cloid on three Sides. It is prorty high. The control ton, only cloid on three Sides. It is prorty high. The control they have been been been been as the control of the third or middle Piece where they are of the untellight therewish, etc. 7 or 8 inches high.—The Witth of the middle makes that of the Rake, within again makes that of the Schetz that

that of the craste, wouter agent access the beautif.

The Rake is placed a-top of the Table, which is, before, overed in that Part, with a blite-board that ferves as a bortoverd in the Box, and preventy the Linear from being burnt while the Box, and preventy the Linear from being burnt while the Box and preventy the Linear from the fight of the Box and the Box and the Linear from 
The Rake is now fill'd with Lead according to the Quan-tity to be nied; which done, two Men, one ar each fide the Table, let the Rake defeend down the Table, or elfe draw it down with a Velocity greater or less, as the Sheer is to be more or less thick; the Thickness of the Sheer fill depending on the Promptitude wherewith the Rake slides wn the inclining Mold. These fine smooth Sheets of Lead are sometimes used be-

tween the Joints of large Stones in great Buildings, &c.

## Method of making Pipes without foldering.

To make their Pipes they have a kind of Furnace, confi-fiting of a large from Furnace or Caudiron, sineported on a perety high Iron Stand. The Caudiron is encopying of with a Malifave of Bricks and Lourn; only leaving a Mouth or Paffage for the Conveyance of Wood underneask, and light-ing the Fire; and another little Aperture behind, to ferve as a Vent-hole.

as a vent-note, in this Fornace they melt the I cad, after first heating it with a Fire underneath: To forward the Fusion they put in burning Fuggots along with the Metal.—The Metal is skimmed and baden off with the Instruments mentioned above. Near the Furnace is a Bench, furnished at one End with

Nert the Furnace is a Bench, turnished at one End with a little Mill, with Arms or Levers to turn in withal— fitrong Girt, armd with an Iron Hook at one Extremity, is inferned by the other to the Axis of the Mill, around which it turns when in Motion. On this Bench the Monids of the Pipes are placed horizontally, and the Mill and the lift ferre to draw out the Iron Core after the Pipe is

The Moulds of these Tubes are of Brass, and confist of two Pieces which open and shut by means of Hooks and Hin-ges their inner Calliber, or Diameter, is according to the Size of the Pipe to be made; their Length is usually two Foot and a half.

In the middle is placed a Core, or round Piece of Brais or Iron, fomewhat longer than the Mould, and of the Thick-

nels of the Inner Diameter of the Pipe.—This Core is paired thro' two Copper Rundles, one at each end of the Mouds, which they ferre to clofe, and to the Rundless is indeal time Copper Tube about two Inches long, and of the Thickness the leaden Pipe is intended to be of.—By means of these Tubes the Core is retained in the middle of the Carity of the

The Core being in the Mould, with the Rundles at its two Ends, and the Lead meted in the Farmers they take it up in a Lallie and poor it into the Mould by a little Aperture I at Lallie and poor it into the Mould by a little Aperture I at Lallie and poor it into the Mould by a little Aperture I at Lallie and poor it into the Mould by a little Aperture I at Lallie and poor in the Mould is fully, and the Ments cold, they pass the Hook of the Core. and turning the Mill with the fined, draw out the Core. and turning the Mill with the fined, area out the Core. and turning the Mill with the fined, area out the Core. and turning the Mill with the fined, area out the Good of the Core into it, then that the Mould again and pass the Ends of the Core into it, then that the Mould again to the Core of Rundles, 67s. at the other End.

Things the replaced, they poor in first Mental into the Mould; also are questioned to the Mould; also are the Mould and the Mould

#### Pipes made of Sheet-Lead foldered.

The Plankov have wooden Cylindra, or Rollers, of the Leopth and Thicknet required: and on their they from their Pleys, by wrapping the Sheet around em.; foldering up the Edges all along, thus—Affer grating the Lead well with a Gratter, they rolk Rolin over the Part time greated, then pourn not fome Solder matted in a Ladle, or elfement it with a hot foldering Iron, functing those Parts where they would not have the Solder earted the Milk, or the they would not have the Solder earted with Chilk, or the Soil of the Hand.

The Solder which the Plumbers use, is a Mixture of two Pounds of Lead with one of Tin. See SOLDER, see also

Connet on Lead with one of Pin. See SULDER, see and Fin and Tinsnino.
PLUMBUM. See Lead.
PLUMBUM—See Lead,
PLUMBUM—See Lead,
among Chymift, a Composition
under of two Parts of Lead, and one Part of Sulphur. See

FRED. PLUME Allum, Alumon Plumofum, See Alum.
Plumes, a Set or Banch of Olfrich-Feathers, poll'd
out of the Till and Wings, and made up to ferre for Ornament in Funerals, che.
Plume, in Euleonry, is the general Colour or Mixture
of the Feathers of a Hawk; which thews her Confiltration.

See HAWK When a Hawk feizes her Prey and difmantles it of its

When a Hawk RIESS HET PTCY and diministics it of its Feathers, the is fide to plane it.

The Word is form'd of the Latin Plana, Feather.
Plume, or Plumels, in Botany, a little Member of the Grain, or Seed of a Plant, being that which in the Growth of the Plant becomes the Stem or Trunk thereof.

Growth of the Putt becomes the Stem or Trush thereof. See The Putter is a Colonial to Activity Form'd in the Lobe on Purpole for its Reception.—This almost of the fine Coloni with the Radio, or little Rose, on the Blist where. The Flame is the first Putter Is almost of the Earth, as in cellst, it set Pett that first papers out of the Earth, as in cellst, it is the Putter that first papers out of the Month of the Putter Is the Radio and the Colonial is in the Mumbarne, thry which it makes in Experient it in the Mumbarne, thry which it makes in Experient It in the Apparature of the Flame without the Cativi of The Radio Radio Cation of a Plant. See Cristitatives it for falls Plant of Colonial Coloni

Plant. See Germination; ice allo Plant.

The Plants is 6 call'd, because confilting of feveral Pieces
bound together in manner of a Feather.—In Corn., the
Plants is that which after the Radicle is floot forth, shoots
out towards the finaller End of the Seed; whence fome call
it the Acrofore. See Acrostrar, Malt., Oc.

out towards the finaller land of the seed; whence tome can the Aeropher. See Accessings, MALT, 60°.

PLUMMET, PLUM-Relat, or PLUM-Litte, an Information tidel by Malons, Carpenters, 60°. to draw Perpadiculars within in order to judge wheether Walls, 60°. to purple, the late, buffercoil, and the like.

PLUM-Litter by March 100° Litter of Letd, Plumbum, fiftened to the End of a Thread or Cord, which distilly confittues self-tillmanning.

to the EBG OF A FLIGHT OF CORD, THE BERG OF A PROOF OF WOOD OF WHITE SOMETIMES THE STREET OF WOOD OF THE STREET OF

Subfractives usually become planel by the Addition of an a or st to the Singular. See Singular.

Nouss Adjectives are the firms in both Numbers, and in Verbs, the Number is diffinguished by that of the Pronouns. See Numbers, Adjectives, Vers, Pronouns,

PLURALITY, a discrete Quantity, confishing of two. or a greater Number. or a greater Number.

A Plarality of Worlds is a thing which Mr. Hoygens has endeavoured to prove in his Cofmathenou.—The fame is likewife contended for in a very pretty Treatife of M. Fantande,

under that litte.

See the chief Arguments for a Plurality of Worlds, under
the Articles Moons, Planter, and EARTH.

The greatest Absurdity in the Pagan Theology, is, the
Plurality of Gods. See Goop.

The Plurality of Bonsfeet is a thing tolerated in the Church,
have recovered of See Benneger.

but never approved of. See BENEFICE.

Twas the Smallness of some Benefices that first gave occasion to Plavalities; for an Ecclesiastic net being able to substitute on a single one, was allowed to hold two: ar length the Number increased without Bounds.

the Number increased without Bonnds.
The Abute was candawouted to be remedied at the CounClark and the Abute and Council and American Milwhen the Laureau under Affenderfer III. And American
When the Abute and Abute and Abute and Abute and
When the Abute and Abute and Abute and Abute and
Power to dispende with it in Favour of Persons of diffusBuilt Aberts, there were to many found a Title to this
Merits, that the Prohibition became utiled.
Merits, that the Prohibition became utiled.
Plantily of Burgles, on Presence that the Ereldisher a Planality of Benefices, on Pretence that the Exclessific Princes there, need large Revenues to bear up against the Protestant Princes.

PLUS, in Algebra, a Term commonly used for majus,

Its Character is +. See CHARACTER.

norce.

That 4.1 to 12.4 is real, floar, job., or more, 10.3 is equal to 14. See Quartury for gold Abbrillow, to 14. See Quart

lem.—Be this as it will; 'its certain, the French are the People who make the most of it; there being feweral very considerable Plujh Manufaltures at Amiens, Abbevulle, and

Compared.

In their art other binds of Pinds, all of Silks, form of which here art other binds of Pinds, all of Silks, form of which here are the Pinds of Pinds of Pinds, form of Pinds of Pinds, formers of Pinds, for all of Pinds of Pind

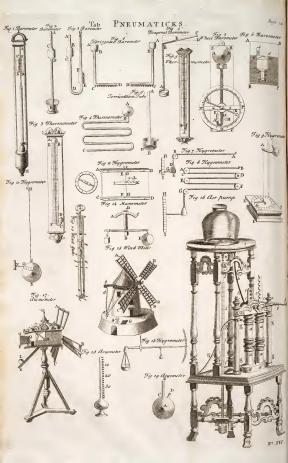
PLUVIUS, in Antiquity, an Attribute of Justice; im-dying him the Author of Rain: q. d. he that fends Rain. See

Dottrine and Contempeation or Spinish and Proceedings of the Word is formed of the Greek orders, Spiritus, Breath;

The Word is formed of the Greek orders, Spiritus, Breath;
whence, from the different Acceptations of that Word, either as an incorporal Subflance, or as Air, there arise two

PNEUMATICKS, in the Schools, is frequently used for the Doctrine of Spirits, as God, Angels, the human Mind-See Spirit, God, Angel, Sout, &c.





In the seas the Word coincides with shall we other-wise all Managebia Sts. Coincides with a shall we other-wise all Managebia Sts. One commonly used among my. PA & DA A Y 1 C X 1 is more commonly used among my. For the Dodfring of the Air's or the Laws wherein that Flidd is condented, striffed, gravitates, Or. See All X. He was a superior of the Common Condented and the Common Condented it condifies the Air in Modion, with the Effects thereof-Tis certainly a Silter of Hydrodisticks; the one condicating at in the finne manner that the other does Water. See

Air in the lame manner that the other does water. See Medicalancia, and Hydrogostylicas; Wedikar, in lieu of Premanicks, ties the Word Arrometry, ad, the Doctrine of Medicain for Air. See Arrometry. The Doctrine and Laws of Premanicks will be found under the Articles, Airs, Armospheris, Elasticity, Gravity, Compression, Condensation, Rarefaction,

XPANSION, Crc.

EXPANSION, GT.,
PNEUMATICK Engine, Machina Pneumatica, the AirPump. See AIR-TOM.
PNEUMATOCELE, in Medicine, a flatulent or
Windy Hernia, of a Tumor of the Membranes of the Tefilles, proceeding from pent up Vapours, and attended with

a tenfive Pain. See HERNIA.

Sometimes, one of the Toles only is thus inflated, fome-times both, and fometimes likewife the Scrotum. See Te-

STICLE, This Hernia is of all others the lightest, and least dangerous.—It is cared by Difcutients internally, and Foments-tions and Cataplains externally.

The Word is form'd from the Greek writing, Wind, and

zian. Tumo ZOAM. Tumor.
PNEUMATOMACIII, ancient Hereticks fo call'd because they opposed the Divinity of the Holy Spirit; placing him in the Number of Creatures. See Epiphamiae.
PNEUMATOSIS, a Term which fome Authors and for the Generation of Formation of Animal Spirits, in the Brain. See Strays and Brain.

POCK, Sec Pox.

POCKET of Wood, is half a Sack. See PACK of Wood.
POD, probably of the Datch Boade or Bode, an Habitana; the Husk of any Pulfa. See POLSE.
PODAGRA, in Medicine, the Gout in the Feet. See

It is thus called from the Greek wis, Fost, and alease, Ifeice.
Podagra dentium, fometimes, the with Impropriety
enough, is used for the Tosth-ach. See Odontalora

d TOOTHACH.
PODESTATE, or Podest, a Magistrate, or Officer

PODESTAILS OF OBEST, a Magnitude, or Olmer of Inflice and Policy, in a free Twenty of the Control of Inflice and Policy, in a free Twenty of the Control of

PODEX, in Anatomy, &c. the fame as the Anas, or andament. See Anus. PODOMETER, or PEDOMETER. See PEDO-

POEM, PORMA, a Composition in Verse, of a due Length and Measure. See Verse. Poems are of as many kinds as there are Branches of Poe-

From see of a miny kinds as there are Banches or Iver Vs. See Portry.
We have Epic-Powns, Damatic-Powns, &c. See Epic,
We have Epic-Powns, Damatic-Powns, &c. See Epic,
We De Sty, Post 1s, See Post 2s,
The Word is formed from the Grede wants, of onion, 6:Cho, Indicate, Impair, Joseph, Jewers,
Grede, Joseph State, Joseph, Jewers,
POE TI CAL, Something, that relates to Postry of Poets. See Fourtzy and Fors.
Postry Lot, Tydies, is chiefly field in respect of the Demonstration of the Company of the Whatever Difficulties and Diffreffes the Virtuous and In-

noceat may labour under, and how proferroily fover it may go with the wirked, in the Courfe of the Piece; the Poet withill the scare to give each of 'em their due e'er he parts with jogm,—'Tis controverted whether this Piece of Justice

be indispensible, and whether it mayn't be allowed to have Virtue oppers'd and Vice flourishing? See TRACEDY, or. Most Languages have their PORTICAL Words, which are Most Languages have their Pourical Worsts, when are never nick on other Octafions.—Their proved great Advan-tage to the Poets; who are hereby enabled to raise the Style and Diction into the Poetsical Character, with the greater Ele-The Provols lament the want of a Set of fact Worsts in

The French lamont the want of a set of 16th Worss in their Language; for want hereof their Poetry appears in a too familiar Garb, not infliciently diffingailhed from the common Language. Tis too reckred; not being allowed any Boldneffes, or Flights, but what might pais in Profi-To this, in good meafure, is attributed the little Success their Authors have met withal in the Epic Way. See Farneria. Epic, Oc.

POETICAL Rifing and Setting, See RISING and SET-

TING.

The ancient Poets referring the rifing, o'r. of the Stars to that of the Sun; make three kinds of rifing and fetting; vir., Coffnical, Armyola, and Hafton.

See each under its proper Arricle Cosmical, o'r., o and the poet Arricle Cosmical, o'r., o and the POETICKS, POETICE, the Doctrine of Poetry; or the Laws and Roles of conducting Pieces or Compositions.

See PORTRY

of Postry. See Postry.

Architekt Festick is Work infinitely wheel, and M. Desier's Comment thereon is one of his helf Prece.—Hence,
in the Comment theore is one of his helf Prece.—Hence,
in the Comment theore is not of his helf Prece.—Hence,
in the Comment that the Comment the Comment that the Comment that the Comment the Comment the Comment the Comment the Comment that the Comment the Comment the Comment that the Comment th

Thofare of Midness, and Anjohair calls Poets expressly, Admon. See Exercistation, Condition, Midness, Marian, See Exercistation, Condition, Midness, Admon. See Exercistation, Condition, C

The Word is form'd from the Greek Honers ; of ween, fa-). See Ponsy.

If a Verse be consider'd as a mere Series of just fix Feet

following one after another in the fame Line; Petry and Verification will appear two very different Things: But Boffa, in his Idea of Verfe, includes Cadences, peculiar Con-Assign, in his idea of Verte, includes Cadences, petunist Con-minations Arrangements and Expericitions, unknown in com-mon Difcourle; and above all, a certain Solds, and the following and the control of the control of the con-beferens, are to effential to Pearry, that without them the most exact Arrangement of long and thort Syllables, makes little elle hat a kind of messified Profe: wheters thick, in a Difcourle that ins no positical Feet or Messires, do yet give it the poetical Character, and make it a kind of amendanced

The Rules of Poetry and Verlifying are taught by Art, and mired by Study; but this Force and Elevation of Thought, The Kules of Petry and Verifying are raught by Art, and acquired by Study, but this Force and Elevation of I hought, which Hernace calls founding desons, and which shown such the Petry of any Value, mult be derived from Natures, or, according to Aristels, from fone happy Transports to Which that Author gives the Name of Madness Europe is Homes-tee, a Nainai—But there multi ever be conceived a fail for Eos, in Nainai—But there multi ever be conceived a fail for Judgment at the Head of this Fury of the Proofs Imagina-

Hence, the Critic concludes that, the End of Poetry is to pleafe; it Cayfe, either the Excellence of the Poet's Genius, or a poetical Farry, and Transport of the Soul manageable by the Judgment; its Matter, long and thort Syllables, and Feet composed hercef, with Words famithd by Grammar; and its Form, the Arrangement of all these things in just and agreeable Verse, expressing the Thoughts and Sentiments of

agreeable Veric, experiting the Loopids and Sciulineas of the Author after the manner already mentioned. But, after all, how narrow are thele Bounds, if we con-flete Petry in the Light wherein the Works of Homer and Virgil have let it? What is here bid down pretends to no Praife which a mere Translator may not rile to, and which the War of Cardine might not mericif turned out of the Profe of Saluft .- 'Ils with reason, therefore, that we diffinguish

the low and fample, from the grand Poetry; by giving the for-mer the Title of Verification: and that we make Poetry and Verification two diffined Arts. In effect, there is not more difference between Grammar and Rhetoric, than between the Art of making Verfes and that of inventing Poems. See

VERSIFICATION.

VERISTICATION.

The Grand Pestry, then, conflits principally in Fiction, or the Inventions of Fable; in the exprelling of things by Allegories and Metaphors; and in the inventing of Actions under which the Truths which the Poet has to teach, may be agreably difguis'd. See FABLE.

be agreetly disjected. See Fairs.

In this view, force my Poens; retain the Nature and Effective Process of the Engineer Transfer and Case-day, the control of the Process 
oice of Brutes. See FABLE.
At first, Fables were chiefly used in treating of the Divine Nature, after the manner they then conceived of it: This occasioned the first Poets to be called Divines, and Poetry the Language of the Gods.—The divine Attributes they separate

the Language of the Cond.— the driven Attributes they lega-rated into a Number of Perforas, by parable the Weaken's of the Condition of the Condition of the Condition of the Condition of the Month of the Condition of the Condition of this almight, Not could they first, of the Operation of this almight, Config. without peaking likewife of its Elicits.—They there-fore added Phyficis to their Theology, handling both after the Lang Manuer, without patting their Vells or Allego-the Language without patting their Vells or Allego-

ries. See ALLEGORY.
Now, Man being the most considerable of all the Works
of the Delty; and there being nothing to proper for Poets,
or of such general Use to Mankind, as such a Subject; they or or men general the to sangung, as such a Subject; they therefore added Ethicks to the former, and treated the Do-chrine of Manners in the fame way as they had done Divi-nity and Physiology.—And hence arose the Epopea, or Epic

nity and Professors—man some some many from the Professors and the Pro

Effine of Gol line fewent Ferfine moder different Nomes; as *splainty*, "Bay, Aprense, & Co, on the contrary, the Nuture of Moral Philosophy, which never gives any until the contract of the

counts, and the Platture reapd from a Defign laid in Vitros, and conducted by Prudence.

Thus, according to our Critic, the postical Actions and Perfons are all legical allegorical, and university in on thifo-tical and fingular.—This is likewise the Sentiment of Ha-zace, who adds, that Posts teach Morality as well as Philo-fophy, but the Preference herein he gives to Homer. See MANNERS.

This Advantage of the Poets over mere Philosophers arises hence, that all Pectry is an Imitation.—Now Imitation is a thing extremely natural; and hence this manner of pro-poling things becomes better fitted to engage the Aupoling things becomes better litted to engage the Au-ditors. Again, lunisation is an Infiraction given by Ex-amples; and Examples are the more proper to perfurde, in regard they prove the thing politics.—in effect, lunitation is fo much the Nature of Peerry, that Ari-Fast tells us its to this the Art owes its Rife. See lar-

"ATTOMS. as been by becoming Philosophen did not read to be Divines; on the contrary, the Meeting Pair, ready look get them frequently to introduce the Dairy in their Works; and the Share is namiful a Being had in the Aftine, obligated them frequently to introduce the Dairy in their Works; and the Share is named to the Aftine, obligated the Aftine Af

them to the particular Purpoles they were intended for;

Poets found out various Forms.-Hence the Epopea and Epic Postry is more for the Manners and Habitudes, than the Paffions; these last rise all at once, and their Violence is but of a floort Duration; but the Habitudes are cooler and more gentle, and rise and fall more flowly. See Ha-

RITUDE The Epic Action, therefore, could not be reftrained to a Day, or two, as that of the Drama; a longer and a juffer Space was required for this, than for Tragedy, which is only for the Paffions.—And hence arofe a ftill greater diffe-

only for the Fillions.—And hence arole a fill greater difference between Trapely and the Epope.

For the Trapic Violence required a througer and more freely Repredictation than the leges and accordingly to complete the control of t

Natar, Indivisible, O'c.
Walter defines it, that which terminates itself on every

Wolfaw defines it, that which terminates trieff on every test, or which has no Terms or Boundries diffined from itself. See Taxas, the second trieff of the test of the second trieff of the second trieff, and is only conceived by the Imagination, year is that that all Quantity begins and ends; the Flux or Morins the Point generating a Line, that of a Line as Service, See Quartity; for also Lines, o'r.
See Quartity; for also Lines, o'r.
See Conversity and Macontenna inceptive of Magnitude, See Versprays and Macontenna.

See INCEPTIVE and MAGNITUDE.

A Line can only cut another in a Point. Any three Point being given, out of a right Line, a Circle, or part of a Circle, may be drawn that shall pass thro' them all. See

CIRCLE. To draw a parallel Line, a Perpendicular, a Tangent, &c., to a given Point, are popular Problems in Geometry. See Perpendicular, Parallel, Oc.

## Proportion of Mathematical Points.

The a current Meedin, that all Infinites, whether infinites by parts or an increase and a request, yet in the Mexim Infinite both Cleicy. Finite and the report of the ment of the state of

greater than that between a Circle and a Tangent; and that the Points of Contact in Spheres of different Magnitude are to one another as the Diameters of the Spheres, Sec Con-TACT, O'C.

TACL OF.

POINT of controp Electron, in the higher Geometry, in Point of the control of control control of control of control of control of control of control of control contr

in finding the Four or Coherent Lawrent Lawrent Carrier, See FLAXION.
POINT, Pandlaw, in Phylicks, is the finalleft, or leaft memble Object of Sight, markd with a Pen, Point of a This is what we popularly call a Phylical Faint, which is relility has Parts, the titled Faints are not here reparted—Of fach Paints does all Phylical Magnitude conflik. See

Montrum.

This Bigled Pinet coincides with what Mr. Leck call the Table Bigled Pinet coincides with what he drive to be the leaf Bracket of the Pinets, and which he drive to be the leaf Bracket of Pinets, and which he drive to be the pinet Bracket of the state of t

et intimating fomething to come after it;-this we call a

Colon. Sec COLON.

A Point with a Virgula, call'd a Semicolon, marks a Senfe lefs compleat than the Colon; the Authors feem to the them indifferently; no rare Grammarians agreed about their precise Difference. Sec Samicolon.

them indifferency; nor are transmartans agrees about treer prefile Difference, See Santzcolon.

The Virgula, callfd Comme, marks a Sch-divition of a Member of a Period. See COMMA.

A Print of Interreguising as 7 marks fomething to be pronounced in a higher Tone, as intimating a Queltion ask'd. See INTERRODATION,
A Point of Admiration! marks a fudden Surprize and

Wonderment. See ADMIRATION. Wonderment. So endamination.

Our Points and Accents were entirely anknown to the Ancients. And in the ancient Greek Manuferipts, the whole feems worte with the firme froke of the Pen; the Words and Letters being join'd throughout.

words and Letters being pink an active out the Puris, the Institute of Institut

The Antiquity of the Points in the Hebrew Tongue makes he Subject of a celebrated Controversy among the Learned; ome maintaining their Origin to be the same with that of lome maintaining their Origin to be the lame with that of the Heberra Language; and others afferting them to have been first introduced by Efebras, after the Robbinia Capiti-ty, when he compiled the Canon, transferred the Books in-to the prefent Chaldec Character, and restored the Purity of the Heberra Lext.

the Hebrer Text.

Others will have then invented by the DoRors of the School of Tiberias, usually called the Majforets, five or fix hundred Years after Chrift.—The Rabbin Elias Levita was the first who flarted this question in the last Gentary; and maintain'd them to laves been an Invention of the Majforets.

retes, for the Ease of those who were to learn the Hebren

Tongue. See Massoreres.
This Sentiment was espood by Capella, to whom adher'd This Sentiment was ofpound by Copola, to whom ather? Lather, Calving, Calaine, Scaley, 6c, 5c, 5marty stacked Cop-pel velocity on this Article, and gain it a pear Number of prices with the compel velocity of the copper of the cop-per of the copper of the copper of the copper of the cop-per of the copper of the copper of the copper of the cop-per of the copper of the copper of the copper of the cop-ten of the copper of the copper of the copper of the cop-ten of the copper of the copper of the copper of the cop-per of the copper of the copper of the copper of the cop-per of the copper of the copper of the copper of the cop-per of the copper of the copper of the copper of the cop-per of the copper of the copper of the copper of the cop-per of the copper of the copper of the copper of the cop-per of the copper of the copper of the copper of the cop-per of the copper of the copper of the copper of the cop-per of the copper of the copper of the copper of the cop-er of the copper of the copper of the copper of the cop-er of the copper of the copper of the copper of the cop-er of the copper of the copper of the cop-per of the copper of the copper of the cop-per of the copper of the cop-er of the copper of the cop-er of the copper of the cop-er of the cop-er of the cop-ten of the cop-er of the cop-er of the cop-ten of the cop-er of the cop-ten of the cop-er of the cop-er of the cop-cer of the cop-cer of the cop-cer of the cop-cer of the cop-ten of the cop-cer of the cop-ten of the cop-cer of the cop-cer of the cop-cer of th

to diffinguith the Iones. See Norg. Hence we fill call it Simple Counter-Point, when a Note of the Bafs, antiwers precisely to that of the Treble; and Figurative Counter-Point, when a Note is fyncoped, and one of the Parts nakes several inflexions of the Voice or Tone,

of the Parts makes feweral Indexions of the Volce or Tone, while the other only makes one. See Courstra-Cours, We fill use a Point to raise the Value of a Note, and prolong its Time by one half, s.g., a Pown added to a Semi-brew, infleed of two Minins, makes it equal to three, See Table, and Characteras in Adoptic.

Pornt, in Altronomy, is a Term applied to certain Parts or Places a marked in the Heavens; and diffinguished by

Pars of Falco many proper Epithers of Divisions of the Horizon, viz.,

The four Grand Points or Divisions of the Horizon, viz.,
the East, West, North, and South, are call'd Cardinal Points,
See Cardinal; fee also East, West, Oc. each under its proper Article,
The Zenith and Nadir are the Vertical Points. See Var-

TICAL, ZENITH and NADIR.

The Points wherein the Orbits of the Planets cut the Plane

of the Ecliptic, are call'd the Nodes. See Node.

The Points wherein the Equator and Ecliptic interfect, are called the Equinocities Points. See Equinocrial.

Particularly, that whence the Sun akends towards the North-Pole, the Vernal Point; See Vernal: And that by which he defeends to the South-Pole, the Antarmal Point.

See AUTUMNAL.

See ADVINNAL.

The Paints of the Ediptic, where the Sun's Afects
The Paints, and Debent below \$\foather{c}\_{1}\$ consists, and Debent below \$\foather{c}\_{2}\$ consists, and Debent below \$\foather{c}\_{3}\$ consists, and Debent below \$\foather{c}\_{3}\$ consists, and \$\frac{1}{2}\$ consists \$\frac{1}{2}\$

The Number of the Points, therefore, is really the fame with that of the Points conceived in the Horizon, i.e. infi-

nite: Tho' in Practice we only diffinguish 12 of them, See Some nie Point, for the Intersection of a Vertical Circle, with a Circle partiel to the intertection of a vertical carcle, with a Circle partiel to the Morizon; and even fome, for the Segment of a Vertical intercepted between the Meridian and Horizon, or a Circle parallel thereto.

The Points are thewn by right Lines drawn from a Point silimed in a borizontal Plane.

attained in a horizontal Plane.

So that a Point of the Composit, is popularly taken for a
33d Part of the whole; or for an Arch of 11 Degrees 15
Minutes, half of which, 91c., 2° 38' is called a helf a Point;
and half of that, or 2° 49' a Demiter Peint. See Compassion
Thele Points of the Composit are divided into Cardinal and llateral.

Constrain, Points are the Interfections of the Horizon and Meridian, call'd the North and South Points; and the Interfections of the Horizon with the Prince Vertical, called the Edit and Wolf. See Noarry, Sours, Ore.

These contined with what the Latin call Cordinas Mangarette.

di; and are a Quadrant, or 90 Degrees, diffant from each other. See Cardinal.

Collateral or Intermediate Points, are those lying between the Cardinal Points.—Which are either Primary, viz. those equi-diffant from the two Cardinals, as North-East, South-

the Carinal Point.—Which we either Primary, six, this
work for from the two Carinals, a Work-Lixi, SouthGreen Carinality, which are assis, either of the foll Order,
princips are compiliant from a Carinal and the next
perfect as are compiliant from a Carinal and the next
perfect as are compiliant from the Carinal and the Carinality
is a compiliant between a Carinal or Primary, and first
Society as North-Lixib Polymerhoese, are 47e diffinite
from the Carinality, the first Society are 15e of the following
Cardinal end are through California 22° por from the
Cardinal end are through California 22° por from the
Cardinal end are through Carlinality and the Society
for 15 years, a superior and the carried of the Carinality
for the Carinality Society and the Carinality
for the Carinality Society
for the Carlinality of the Carinality
for the Carinality Carinality
for the Carinality
for the Carinality
for the Carlinality
for the Carinality
for the Carinalit

This Point is in the Interfection of the Horizontal and

his foot is in the interaction of the avoiced by vertical Planes. See PLANE.

Some Authors call the Point wherein the Eye is actually placed, and where all the Rays terminate, as O, the Point of Sight or Fifters, and define the Principal Point to be that wherein all the Lines drawn from the horizontal Plane to

wherein all the Lines drawn from the St. 18.4, the Plate wherein all the Lines drawn from the fortioned Plane to the Line of View or Diffuse, terminate, See Parise 18.4, the Wheel of Lines of Lines and Line

of 18 Order, the Lye indute he as he off as the enumpace is high, we, no Foot.

But to examine the Correctness of its Profiles, and the Spirit of its Ormanents; the Eye should only be distant the Height of the Davie Order, which is about 40 Foot; if it be nearer, the Parts too much shortened will appear out of the nearer, the Tarts too much flortened will appear out of

Proportion. Vague or indeterminate Point has a different Effect from the Point of View; in that, in looking at a Building from an indeterminate Point, the Eye can only form an Idea of the Magnitude of its Mass, by comparing it with other Buildings adjacent to it.

POINT of Reflexion, is a Point on the Surface of a Glass or other Body whence a Ray is reflected. See REFLE-

XION. POINT of Refraction, is a Point in the Surface of a Glass or other refracting Surface, wherein the Refraction is effected.

See REFRACTION POINTS, in Heraldry, Divisions of the Ekutcheon into feveral Squares, fometimes to the Number of 9, sometimes to 15; some whereof are of one Colour or Metal, the

others of another; called also Equipallent Points.

There is also another Division of the Escatcheon into
Points, which have several Names and Values, according to Points, which have their feveral Places,

B C E HI

There are nine Principal Points in an Efrutcheon; as mark'd in the Figure adjoin icuteneon; as marked in the righte adjoin-ing.— A represents the dexter Chief Point. —B the middle Chief Point.—C the finiter Chief.—D the Homour Point.—E the Fefs Point, call'd also the Center.—F the Nomwil or Navel Point,-G the Dexter Bafe, the Sinifter Bafe,-H the precise middle Bafe, See each further described in its Place. Colombiere makes the Points and their

Situations fymbolical.--- As the feveral Bearings in an Escutcheon are to many Types representing the commendable Actions of the Person they are given to the commendable Actions of the Perion they are given to; fo the Efetucheos itself represents the Body of the Man that perform'd them, and the Poinz, or Parts, fignified by these Letters, the principal Parts of his Body.—Thus, A, B, C represent the Head, in which the three great Faculties relde:

D, the Neck where Ornaments are chiefly bore: E, the

art, &c. See Escurcheon. Heart, Gr. See ESCUTCHEON.
Porn r is also an Ordinary, something like the Pile, rifing from the bottom of the Ekutcheon to the Top, very narrow, and only taking up two Thirds of the Point of the Ekutcheon.—When it thus rikes from the Bafe, it is peculi-

Encurrence - when it thus these from the issue, it is peculi-arly call'd Paint-in-paint.

Point inverted, is when it delected from the Chief down-wards; poffelling two thirds of the Chief, but diminishing as it approaches the Point of the Escurcheon, the without

concuring it.

Peint or Band, or Peint or Barre, is when the Peint is placed
transverse, in the Situation of a Bend or Bar.—When it
comes from the Sides of the Edurcheon, it is also called a
Peint Dexter or Smiller, according to its Situation.

The Peint Dexter is commonly reputed an Abatement
due to a Braggadotio.—Peint Champion Tree due for killing a
to the Contract of the Contraction of

Prisoner after Quirter demanded. Point in Point, a Di-minution belonging to a Coward. Point plain, an Abatement belonging to a Lyar, &c. See ABATEMENT, DIMI-

NUTION, O'C.
POINT is also used in Heraldry, for the lower part of the Escutcheon, which usually terminates in a Point. See SCUTCHEON.

In the French Arms the Flower de Lys's are two in Chief and one in Pant.
POINT, is also an Iron or Steel Instrument, used with

fome Variety in feveral Arts.

Engravers, Etchers, Wooden Cutters, Stone Cutters, &c.

ule Points to trace their Deligns on the Copper, Wood,

Stone, &c. See Engraving, Erching, &c.
Statuaries, &c. have likewise Points in manner of little
Chiffels, used in the first lorming or sketching out their
Works. See Syatue, Founders, &c.

Turners work or fashion their common Works between two Points faitened to the Puppets.—Lapidaries have Iron Points, to the Ends whereof are faitened Pieces of Diamonds, ferving to piece the precious Stones withal. See Turning. LAPIDARY, Oc.

POINT, in the Manufactories, is a general Term used for all kinds of Laces wrought with the Needle,—Such are Point de Venics, Point de France, Point de Gena, &C. which are diffinguished by the particular OEconomy and Arrange-

ment of their Points.

The Word is fometimes also used for Lace wove with Bobbins; 25, English Point, Point de Malines, Point de Harre, &cc.

POINT, in Poetry, is a brisk lively Turn, or Conceit, EDIGRAM.

EPIGRAM.

Point-Blenk, in Gunnery, denotes a Shot or Bullet to go directly forward, in a first Line, to the Mark; and doth not move in a Curve, as Bombs and highly elevated random Shots do. See Montar, Projectile, Gunner, POINTED—A Crofs pointed, is that which has the Ex-tremities turn'd off into Points by firalt Lines. Colombiere calls it aiguifee See Cross.

POINTING the Calle, is a Set-Term, denoting the m-twifting it at the End, and leffening the Yarn, and twifting them again, making all fast with a Piece of Marline, to keep it from rayelling out, See Caple,

POINTING, in Grammar, the Art of dividing a DE-courfe, by Points, into Periods and Members of Periods; to facilitate the Pronunclation and Understanding thereof. ee PUNCTUATION.

POINTING, among Seamen, the marking on the Chart in what Point or Place the Veffel is. See Chart, Rhums,

All the Difficulty in pointing a Chart arises from our Igno-rance of the Longitude.—The Pilot easily finds the Latitude by taking the Height of the Pole; but for the Longitude

By Leaning the freight of the Pole; but for the Longitude there is no coming at it but by Computation which is ever uncertain. See LONGITUDE, LATITUDE, SALLING, OF, POINTING, in War, the levelling or directing of the Cannon or Mortar-Piece, has to play againful any certain point. See LIVELLING, CANNON, ORDNANCE, MORTAR, DORDNANCE, MORTAR, PROJECTILE, C'v.
This is done by means of a Quadrant with a Plummet, See

GUNNERS QUADRANT.
POISON, in Medicine, a malienant Quality in some

FUJUE in Medicine, a management egality in Some Animal, Vegetable or Mineral Body, which renders it harr-ful, and even moral to those who take it. Some define a Fossow to be any thing taken inwardly, whole Properties are contrary to those of a Food, or to what they hould be in order to Nutrision. See Food.

Poifors are of various kinds; and operate in various manners: fome by diffolying the Blood, others by coagnisting it; and others by corroding and deftroying the folid Parts. See BLOOD, DISSOLUTION, COAGULATION, COR-ROSION, O'C,

Some attack, equally, all the Parts; fome only a particular one......Thus the Lepus Marinus is an Enemy to the Lungs, Cantharides to the Bladder, &c.

Some again, which prove Poisson to Man serve for Food to other Animals.—Thus Mandragora and Jusquiannus seed Hogs, kill Man; and thus that deadly Posson Hemlock is Hogs, kill Man; and thus that deadly Paijar Hemlock is wholefome for Goxts, Baffards, and, as Galen tays, for Statings too. The Calledar Plant, Sir Hour Slowse tells us, points, unprepared; but prepared is the very Bread of the West Indust; particularly Jamaica and the hotter Parts; and is used to victual Ships.

is ufed to vidual Ships.

Nay, what is more, fome Poifous are not only Food, but even Phylick to other Animals.—In the Phil, Translat, we have an Inflance of a Horfe troubled with the Farcy, which could not be cared by the most famed Remedies, which yet coura not be carea by the most timed Remedies, which yet cared himself in a flort time, by feeding greedily on Hembock. —Fintance tells us of a Woman who eat Hembock for fome time to procure Sleep; and with very good Effect; tho're-peated Doles of Opiam had no Operation.

Dr. Tane, Resinjon, in a Letter to Mr. Roy, gives an Ac-count of feveral polionous Plants, which if truly corrected, or exactly doled, he fays, may prove the most powerful Remedies known.—Thus the Hellebores incorporated with a medies known.—That the Helberes incorporated with a Susy, or Attiley Sais alone, are faceford in Helberges, Ver-Susy, or Attiley Sais alone, are faceford in Helberges, Ver-The Rosts of Cietas, Afgirman, and Nagillas, in Agues and periodical Plain: 10de, et to al., The Helpigeman in He-morrhighes, violent Berts and Indiamunitorsy. Dole et al. Vigilit's, Rheemalings, Hydric Cles, 6°c. Dole et al. Electrons, Saldamha O' Greatly, in Hydropic Cles, Opium, central Dels in Couralties Cale, Fluxer, Centrella, O'r. The Word Pafin is derived from the Lain Paris, Drugsle, and was anciently did in an Innovant Sends. See Potrons.

and was antiently used in an innocent Sense. See POTION.

Physicians diffinguish three Kinds of Possen: Animal Possens; i. e. those drawn from Animals; as the Viper, Aspec, Scorpion, Lepus Marinus, &c. See VIPER Vegetable Poifons, as Aconite, Cicuta, or Hemlock, Hellebore,

P'graide l'aylan, as Aomis, Gana, or Hombes, Hillewis, Nogolia, & Co. & Accourts, Gutta, Ott. Hillsman, G. Paylin, as Argini, Carrige Selfamas, Carrige, Optimen, Rodgol, &C. See Abassisti, Gord, Garrige, Carrige, Optimen, Rodgol, &C. See Abassisti, Gord, Arian Della, and Arabinat Pallina, is very accurately and mechanically delivered by De. Mostá; in thois terminated Cast, the Bills of a Pign. Towardia, and a med Dig. See his Dolfrine under the re-foculty for the Carrige Carriage and the Carriage Carriage. The Carriage 
the Article Objacts, they all bear so much Analogy to that made of Qoickstiver in the common Sublimate, that their Operation will estily be conceived from what we have already laid down under the Heads, Marcurx and Sublimate. The area in more or less dangerous, as their Sults receive a greater or less soprome the metallick Particles, and

a greater of less force from the metallick Parficies) and benece, as the most virulent may be mitigated by breaking the Points of the fallin Ceyfalls; the most lancest with the property of the most lancest from the property of the propert

ANTIDOTE, ALEXIPHARMIC, O'C.

Country

Contrer-Poison, See Counter-Poifon. To Po I son a Piece, among Gunners, is the fame as to clog and nall it up.

sion to a Person.

This, by a Law of Henry VIII. was made High-Treason;

This by a Law of Homy VIII. with made High. Treaton; but that Law was afterwards repealed; and the Pontifinement made for it was to be put alive into a Cauldron of Water, and boild to Death.—At prefent it is only Felony without Benefit of Clergy. See Pointsiment.

POLAR, fomething belonging to the Poles of the World. See Pole.

In this Sense we fay, Polar Virtue, Polar Tendency, O'c. Sec POLARITY.

Polar Circles, are two Circles parallel to the Equator, at the Diffance of 23 Deg. from each Pole; ferving to mark the beginning of the Frigid Zone. See Circle and

The Polar Circles are particularly denominated from their respective neighbouring Poles, the Artic and America.

Potan Dids are those whose Planes are parallel to some great Circle passing through the Poles, or to some one of the Hour-Circles; to that the Pole is neither elevated above, nor depressed below the Plane.

Such Dial therefore can have no Center, and confequently its Style, Subftyle, and Hour-Lines are parallel. See

This therefore will be an Horizontal Dial to those who live under the Equator or Line.

Bre under the Equator of Line.

76 confired a POLAR Did. See DIAL.

POLAR Pepicition is a Representation of the Earth or Hewests, projected on the Plane of one of the Polar Circles. See PROJECTION.

POLARITY 5, the Quality of a Thing confidered as having Poles. See Poll.

By heating and Iron Bar, and letting it cool in a vertical

Poflure, it acquires a Pelarity.—The lower End becomes the North End; the upper the South. See Inon. Iton Bars acquire a Pelarity, by being kept a long time in an erect Poflure, even without Heating.—Thus time in an erect Potture, even without Heating.—I must the Bars of Windows, ofe, are frequently found to have Poles. Nay a Rod of Iron acquires a Polarity, by the unert holding it erec't; the lower End in that Cale attract-ing the South End of a magnetic Needle; and the upper the North End.—But thee Poles are mutable, and Inite with the Situation of the Rod. See MAGNET and MAG-

NETISIA. POLUS, in Aftronomy, the Extremity of the Aris whereon the Sphere revolves. See Axts and Sphere. E-Thefe two Points are called, by way of Excellence, the Polat of the World. See WORLD.

The Word is form'd from the Greek washin, vertere, to

turn.

The Sphere through which the Main on the states of the Sphere through which the Main galls; find are the Points FQ, (Tak., differences), Fig. 32) ——whereoff, that visible to us, or raid above our Horizon P, is citled the points FQ, (Tak., differences), Fig. 32) ——whereoff, that visible to us, or raid above our Horizon P, is changed to state P, and the P, and the C, the A, and the control P, and the P, and the C, the A, and the control P, and the P, and the C, and the P, an

See GLOBE.

Dr. Halley shows, that the folistital Day, under the Pole, is as hot as under the Equinochial, when the Sun is in the Zenith; in regard all the 24 Hours of that Day under the Pole, the Sun's Beams are inclined to the Horizon with an Angle of 23½ Degrees; whereas, under the Equinoctial, tho' he becomes vertical, yet he shines no more than 12 Hours, and is ablent 12 Hours.—befies, that for 3 Hours 8 Minutes of that 23 Hours he is above the Horizon there, he is not 6 much clevated as noder the Pole. See Hear, The Altitude or Elevation of the Pole, is an Arch of the Meridan, intercepted between the Pole and the Horizon.

See ALTITUDE. To find this Elevation is a very popular Problem in Aftronomy, Geography, and Navigation; This and the Latitude of the Place being ever the fame. See Latitude

To observe the ALTITUDE of the POLE. With a Quadrant, observe both the greatest and least Me-

with a Quadrant, observe both the greatest and least Me-ritian Altitude of the Pele-Str. See Mar. PDIAN. Sublitraft the least from the greatest, and divide the Dif-ference by two, the Quotient is the Star's Diffunce from the Peler which added to the teller Altitude found, gives the Elevation of the Pele required.

Thus M. Couples the younger, at Ulifyppo, in 1697, at the

End of Sparenium, oblive's the greatest Meridian Altitude
40° 9' 40°. The faustleth, 50° 20' 0°. The Difference
40° 9' 40°. The faustleth, 50° 20' 0°. The Difference
40° 9' 40°. The Market of the Theorem of the Theorem
40°. The Altitude of the Theorem of the Theorem
40°. The Altitude of the Pales trustleth of the Are of
40°. The Altitude of the Pales trustlethen of Kirchitzus,
40°. The Altitude of the Pales trustlethen of Kirchitzus,
40°. The Altitude of the Altitude of the Are of
40°. The Altitude of the Pales trustlething of 20°. The
40°. The Altitude of the Pales the Are
40°. The Altitude of the Pales their,
40°. The Altitude of the Pales their Altitude of the Pales their,
40°. The Altitude of the Pales their Altitude of the Pales their,
40°. The Altitude of the Pales their 
teaves the Altitude of the Equator. See Equator.
 If the greatest Meridian Altitude of this Star exceed

the Altitude of the Equator, the latter fibility acted from the former, leaves the Declination of the Star Northward; If the Altitude of the Star be less than that of the Equator, the former subftracted from the latter leaves the Star's De clination Southward. See DECLINATION.

common ownerward. See DiscLINATION:
Dr. Hosk, and four others, imagined, the Height of the Poils, of the Foliation of the Circles of the Height of the Poils, of the Foliation of the Circles of the Height of the United States of the Height o

Indeed 'tis no wonder they should err in their Observations, confidering what Infruments they used: He adds, 'tis probable there may be fome Variation in the Height of the Pole; but thinks this never exceeds two Minutes; and the Pac; but times this never exceeds two parities; and that even this will vanish, after it is arrived to its highest Difference. See Equation, or. Polle, in Sphericks, is a point equally distant from every Part of the Circumference of a greater Circle of the Sphere;

as the Center is in a plain Figure. See CENTER

Or, Pole is a Point 90° diffunt from the Plane of a Circle, and in a Line palling perpendicularly thro' the Center, called the Axis. See Cracis.

Critical Country of the Maria See Cricis.

The Zenith and Nafeliar to the Poles of the Horizon—The Poles of the Equator are the fame, with those of the Sphere or Globe. See Zenith, Nadra, 6%.

Poles of the Ecliptic are Poles in the Solitical Colore 25° 30° diffant from the Poles of the World. See Sphere Sphere 18.

23° 30' diltant from the Pates of the votors. See SPHARE, EGGATOR, HORIZON, &C.
POLSS in Magneticks, are two Points in a Loadflone, corresponding to the Pates of the World 3 the one pointing to the North, the other to the South. See Magnet; If the Stone be broke in ever for many Fisces, such Fragment will have its two Pates.—If a Magnet be biffielded

ment will have its two Poles.—If a Megnet be billefeld by a Line geopendicate the Asia, she two Polits being sold will become oppolite Poles, one in each Segment.

For the Second Secon Pole, 'tis always weaker than a fix'd North Pole got the fame Way.

Fire deffroys all fix'd Poles ; but strengthens the mutable es. See Fire. The End of a Rod being hested, and left to cool North

The End of a Rod being heated, and left to cool North-ward, Dr. Giffert 18ys, becomes a fixed North Pole; if Southward, a fixed South Pole; yet this does not hold in all Cale,——If the End be could held downward or to the Nodit, it acquires somewhat more Magnetiffus, then if cool'd horizontally cowards the North, But the belf Way is to horizontally towards the North. But the best Way is to cool it a little inclined to the North. Repeated Ignitions

don't a fittle minner to the Fortin. Repeater ignities to the Vietner than a fingle one. Dr. Pener keys, that if the hold a Rod Northwards, and bruner the North End in that Pofition; it will become a Brill of North Pafe; and contratily, if you hanners the South Fafe in the Contractily, if you hanners the South Pafe; and of Hammering is to be likewise underflood, for it is did of Hammering is to be likewise underflood, or in the continued long, will produce Pafes. See page 1919.

The more heavy the Blows are, ceteris paribus, the Mig The more heavy the Blows are, centri positive, the Mig-cellful is the five-ger—A low have flowed so is much as cruite almost continuity used downwards. New Dollis are either mattale Farlor or weak North Fatta. Dolling with farls a one Southward bortonnilly, 'ti's a Chance if you produce a ried South Fatta, much all Frost delli South forth one Southward bortonnilly, 'ti's a Chance if you produce a ried South Fatta, much all Frost delli South fartd South July.

A weak farl Fatt may degenerate into a mattale on in a Day; any in a few bittents, by holding it in a Polition contarty to its Patt. The Control of the Willows and the Contrary to its Patt. The Control of the Willows and the

to F

fix'd Pole in any Iron. 'Tis required the Iron have a length, if it be thick, Mr. Ballard tells us, that in fix or feven Drills made before his Face, the Bit of each became a North Pole, merely by hardening.

Pole of a Glafs in Opticks, is the thickeft Part of a Convex, or the thinneft of a Concave Glafs. See Convex and

CONCAVE

If the Glass be truly ground, the Pole will be exactly in the Middle of its Surface. See OPTIC, GLASS, GRIND-This is sometimes also called the Vertex of the Glass. See

VERYEX.

PERFEX.

POLE in Surveying, is a Meafore, containing 16 Foot and an half; called alfo Peroh. See PERCH.

POLE-Stop, or POLEA-Stor, is a Star of the second Magnitade; the last in the Tail of Urfa Minor, or Little Bear.

tole; the laft in the Tail of Urls Monor, or Lattic sous-sec Uras Mirson.

Its Longitude Mr. Finnifead makes 24° 14° 41″, its LatiThe Neuraeds of this Str to the Pds, whence it happens that it never feet; renders it of walf Service in Navigation of Nr. for determining the Meridian line, the Elevation of the Pds; and conference with a latted of the Place, Or. POLIS M. Mem. 4 Edm. IV. (vo.g., 7 was a thurp or

See Foles; ice allo Meridian and Latitudi.
POLEM, Ame A. Edw. IV. cap. 7 was a flarp or picked Top, let in the Fore-part of the Shee or Boot. This Fashion was first taken up in the Time of King William Rafair, whe Picks being made folong, that they were tied up to the Kness with Silver or Godden Chains: They were forbidden by Edw. IV. Tunc fluxus Crinium, tunc luxus Politium, tunc ufus Calcovum cum arcuatis aculeis inventus eff. Malmf. in

POLEMICAL, an Epithet applied to Books of Con-troverfy; especially those in Divinity.

Hence also we say Polemical Divinity, for Controversal,

Hence allo we us a summer of the Greek whaten, War, Bittle.

The Word comes from the Greek whaten, War, Bittle.

Scaliger's Exercitations against Cardan make a pure polemical Book.

Israical Book.

ED LE MOSCOPE, in Opticas, a kind of crocked or ED LE MOSCOPE, in Opticas, a kind of crocked or ED LE MOSCOPE, control of the feeding of Objects that don't lie directly before the Eye.

It was invented by Israilian, 1877, who gave it this Name from the Circick anakane, pages, because it may be of Something of the Kind are those now known among as under the Name of Ogling Glaffles, or Opera-Glaffes, throwish one feed a Ferfon in appearing to look at another.

Confirellion of the Polemofeste.

Any Telefoop will be a Polemofeste, if the Tobe be but crooked, like a rethingular Syphon A B DM (Tak. Opints, Fig. 70.) And between the Object Glafs, A B, and fift Eye-Glafs G if (if there be feveral) be placed a plain Aftror, in finch manner as that the Mirror is inclined to the Horizon. at an Angle of 45°, and its reflected Image found in the Fo-cus of the Eye-Glas G H.

For, by this means, Objects fituate over against the Lens A B will appear the same as if the Mirror K were away, and the Object-Glas with the Objects were directly oppo-

and the Object varie with the Objects were directly oppo-face to the Ex-Caliss. In at 2, not at 1M, mother plain Mirror, N mult be added. Set It assesses.

FOLETA, in our ancient Law-Book, finglishe the half of the California of the California of the California of Pol-taria. Mark part of the California of the California of Sets 100 per companies of the California of California of Sets 100 per companies of the California of California of Sets in the general, Pair's useful on opposition to Berkerita.

—Different States have different Kook of Policy; thus Logica observes, the Policy properly figurity and California and Kalendhiration of Julice in a City. —The Urcicion and Kalendhiration of Julice in a City. —The Urcicion Set Marco.

See MAYOR. At Paris they have a Chamber of Policy, where People are verbally accorded for Contraventions of Policy.

are verbally accessed for Contravensions of Felicy.
Some divide Fully into two Parts, Ageomorp, that re-lating to the Affairs of Merchandile, and Affairsony, that concerning the Could and Indicatory Government of the Ci-tizens: Some add a third Branch, viz. what relates to the Ecclashified Government. See Ecclassiastractics. Billiop Hosker has a fine Treatile of the Laws of Eccla-fillied Felips.

The Word is of Greek Original; being derived from the

The Word is of Greek Poliginal; being derived from the Greek ways, Grutar, City.
Polity of Alfarance, or Infarance of Ships, is a Contract or Convention whereby a Perfon takes upon himself the Rifques of a Sex-Voyage; obliging himself to make good the Loffes and Damages that may befal the Veffel, its Equipage, Tackle, Victualling, Lading, &c. either from Tenguing, Tackle, Victualling, Lading, &c. either from Tenguing.

polls, Shipwrecks, Pizzes, Fire, Waft, Reprizals, Ø'z, in Part er in whole; in Confederation of a certisis Sum of \$5- evers, Edishs, of in por Gen. proce we falls, securding to the polls, securding to the polls, and the polls, securding to the Allience, pond his figuring the Policy. See Anna. And There as frome Affilances for the Cohing, from for the Allience pond his figure of the See Anna. And the Market and Dockling of the See Anna. And the Market and Dockling of the See Anna. And the Market and Dockling of the See Anna. And the Market and Dockling of the See Anna. And the Market and Dockling of the See Anna. Anna the Market and Dockling of the Market and the Market and Dockling of the Market and 
field to have used this as a Means to incumate are transporting of their Effects,

The Term Policy is Spanifo, and comes from Polices, Scheduck but the Practice comes from the Indians and the

Lambrards, who, again, derived it originally from the Little

Policitation, Pormilla—Some fay, the Merchants of Manifestic

were the first who fet on Foot this Kind of Commerce.

were the first wan let on Foot this Kind of Commerce.

Anciently, Policies were given by Word of Mouth, called
Policies of Credit; it being supposed the Affurer would enter them in his Leidger: but of late that Honesty is become less frequent among Traders, they have been conflantly in Writing.

flantly in Writing.

The Grand Mart for the Affarance of Ships is the City of Amfardam. Tishere not only the Darch Traders affine their Velfals, but, what is infinitely more confidentles, fack is the Riches, Repatation, dr., of the Inhaliants, as to engage the Generality of Merchants of other Countries to prefer them to their own Countrymes, and to affine with the Trade Martin Countrymes, and to affine with the Darch and the Sanda American Country of the Country of t Datch, when it would be much eafier for them to find

Dates, when it wouse so much enter for them so used and forcers at Home, or in the Ports where the Veilds are laden. The Number of Affurers at Amiltendam is not show Fifty or Skry Perfons, yet is their Wealth and Chardefr fach, and the Amilton of the Mangare and the Amilton of the Chardefr fach, and the Amilton of the Chardefr fach, and the Amilton of the Amilton ever fo imminent.

ever lo imminent. Politic y of Alfarance, or Infarance of Hinfet, is an Infranaent formed on the Model of that for Velkits; whereby a Perfor, or Community of Perfons, take on themselves the Rifques and Damages that may be all Hooke, their Fundantar, in whole or in Part, Ver. from Fire; on Confidencian of a certain Sum or Suns, to be paid by the AC dentition of a certain Sum or Suns, to be paid by the AC dentition of a certain Sum or Suns, to be paid by the AC dentition of a certain Sum or Suns, to be paid by the AC dentition of a certain Sum or Suns, to be paid by the AC dentition of a certain Sum or Suns, to be paid by the AC dentition of a certain Sum or Suns, to be paid by the AC dentition of a certain Suns of the Agreement. See Assertion of the Agreement. SURANCE

SAN ANCE.

The Affirmer from Fire is now a popular Piece of Commerce; and we have a Number of Societies exceled into Corporations, for that very Purpules. See Int. CP24.CA., 1975.

Society of Perfors exceled into Corporation, Crys. Advanced to the Commerce of Perfors exceled into Corporation, Crys. obligation of Perfors a certain Sano flower, e. f. as I have dead by the Commerce of the Commerce

actorsing, our as a work of the property of the first of

Rule that regulates the roumber of Letters of each sang una complete Four, i.e. to determine how many, in Proportion to the whole Set, there are to be of each particular Kind. See Learner, Or.

For inflance, in a Font of an hundred thousand Characteristics where we have a building for the e. For thousand the same than a building for the e. For thousand the same than a building for the e. For thousand the same than a building for the e. For thousand the same than a building for the e.

For instance, in a Font of an hundred thousand Caracters, there are to be a thousand for the r, five Thousand for A, three thousand for the x, they and z; and in Proportion of a little more for the x, they, and z; and in Proportion for the other Letters, the great and little Capitals, the in-lit Letters, Points, Comma's, double Letters, o'c. Soc Letter-FOUNDEAY.

POLIOPTRUM, or POLYOPTRON, in Opicks. See "POLIOPTRUM, or POLYOPTRON, in Opicks.

POLITOR I R. on Informent call'd sife a Barsifer, proportion of the proportion of th

their Metals before Gilding, and the Blood Stook to give The Feigher stied by the Makers of Sport, Blan, der, la part Icon, part Stead, and part Woods.—The Infrastructure conflict of an Iron Bar, with a wooden Handle at one End, Wood had in the Wei, while the Operator is at Wei, in the Middle of the Bore, within field, is what they pro-tiful the Weiller of the Born, within field, is what they pro-tiful the Weiller of the Born, within field, is what they pro-tiful the Carlein call their Faiffers, are a kind of wood-What the Carlein call their Faiffers, are a kind of wood-What the Carlein call their Faiffers, are a kind of wood-What the Carlein call their Faiffers, are a kind of wood-What the Carlein call their Faiffers, are a kind of wood-What the Carlein call their Faiffers, are a kind of wood-What the Carlein call their Faiffers are kind of wood-What the Carlein call their Faiffers are kind of wood-ward of the Carlein Carlein Carlein Carlein Carlein Carlein Market Carlein Carlein Carlein Carlein Carlein Carlein Carlein Market Carlein Carlei

Patty.

The Polifiers used in the Manufactures of Glafi are very different from all theke.—They consist of two Pieces of Wood, the one flar, cowerd with old Hat; the other long and half round, is fattered on the former, whose Edge it exceeds on both Sides by fome Inches, which serve the Workman to take hold of, and to work it backwards and

exceeds on Done States by now a normal variety and control and forwards by See Carts.

The Polithers used by Spechale-Maters are Fleece of Tener of the See Carts.

The Polithers used by Spechale-Maters are Fleece of the See Carts.

The Polithers used by Spechale-Maters are Fleece of the See Carts.

The Polithers of the See Carts and the See Cart of 
In this Senile we bay, Political Interests, Palatical Vience, Political Officency, Sec. The Wood's form'd from the Greek wass, Cuitas, City. POLITICAL Arithmetick is the Application of arithmetical Calculations to Palatical Ufex as, the publick Revenote, Number of People, Extent and Value of Lanks, Taxis, Tax

would, Stee Arthmetick, of an any Nation, or Commonwealth. See Arthmetick, of the chief Authors who have attempted Calculations of this Kind, are Sir William Petty, Major Grant, Dr. H. May, Dr. Davenows, and Mr. King; and the principal Points fettled by each hereof are as follows.

tied by each here'd are as follows.

According to Sair William Party Computations, the' the Land of Followid and Zealand be not above recoooce diverse are near a third pert as with and flood as the latter.—

That the Rents of Lands in Followid are to those in France, as 7 or 8 to 1.—That the People of Ampleredam are; of this of Paris or London, which, according to him do not diffire phown a 10th Paris from London; which, according to him do not diffire phown a 10th Paris from London;

ditter above a 20th Part from one another.—That the Va-lue of the Shipping of Europe is about Two Millions of Tans, whereof the English have 500000, the Dutob 500000, the Eventh coopso; the Hamburghers, Dante, Swedets, and Dantzickers have 250000; and Spains, Portagals, Engly, Re-about as much.—That the Value of Goods exported yearly about as much.—That the Value of Goods exported yearly from France into all Parts, is quadruple of that exported into England alone, and confequently in all about 50000000 What is exported out of Holland into England is worth What is exported out of Holland into England is worth 300000 l. and what is exported thence into all the World \$000000 l.—That the Money yearly raised by the French King, in Time of Peace, is about 6 2 Millions Sterling; And that the Monies raised in Holland and Zedand are a bout z100000 l. And in all the Provinces together about 3000000 I .- That the People of England are about 6000000, 30000001.— That the 'Foppe of Employand are about 6000000, and their Expences at 7 l. pr / Annum a Head, 40000001. or 8000001. a Week, — That the Rent of the Lands is about 8 Malions, and the laterells and Profits of the perfonal Effates at much.— The Rent of Houses in England 40000001. That the Profits of the Labout of all the People is 30000001. Yearly—That in Irishand the People amount to about 1200000— That the That in Federal the People amount to shout 1200000—That the Corn ficent in Englands, at 5.1 the Builtel for Whest, and 2.1. 6.4 for Brirley, amounts to Ten Millions per Amount,—That the Navy of England (then) required \$6000 Men to man it, and other Trade and Shipping about, 48000—That in France, to manage the whole Shipping Trade, there are required \$6000 Men. That the whole People of France are quired \$6000 Men. That the whole People of England, about Thirteen Millions and a half, and those of England, Scotland, and Ireland, together, about Nine Millons and a half.—That in the three Kingdoms are about 2000 Churchmen; and in France above 270000.—That in the Dominions of Espland above are 40000 Seamen, and in France not above rooo.—That in England, Scotland, and Ireland, and all other Dominions depending thereon, there was then

47 J

F U Li

short focos Tim of Shipping, which is worth short Focos
Millions and a half in Meery. —That the Sas-Line round
Englands, Storland, and Friends, and the algorited High, is regularly
Englands, Storland, and Friends, and the algorited High, is a selfplaned, Storland, and Friends, and the algorited High is a
Bernard of High Commerce, are not howe Sa Millions
—That the Value of Commodities trade for in the whole
of Millions of Demonstrates are not howe Say Millions
—That the Value of Commodities trade for in the whole
of England amount to about 5 pocosol. or Monor. That
Tim, and Couls to 5 pocosol. per Amo. —That the Value
of England amount to about 5 pocosol. or Monor. The Couls
Tim, and Couls to 5 pocosol. per Amo. —That the Value
of excess of the Couls of the Couls of the Couls
Tim, and Couls to 5 pocosol. per Amo. —That the Value
of excess of the Couls of the Couls of the Couls
Tim, and therefore advances others of his own, bounded on
their the Couls of the Couls of the Couls
is 3pt Millions of Acros. —That the Number of Popole, according to his Account, is about 5 popole. Solid to
consign to his Account, is about 5 popole. Solid
is 3pt Millions of Acros. —That the Number of Popole, according to his Account, is about 5 popole.
The Popole of Account, is about 5 popole.
The Popole of Account, is about 5 popole.
The Popole of Account is about 5 popole.

The length of London he rections at \$50000. Thois in the the third of the Whites Rep and the London at \$10000. The London the Whites Rep and the London to the London the Whites Rep and the London th — In c value of the Woodlen Manutature made here is a bout 1,000000.1 per Animum; and our Exports of all Kinds of the Woodlen Manufacture amount to above 2,000000.1 per Anim.—The animal Income of Employed, on which the whole People live and fability, and our of which Taxes of all Kinds are paid; is now about 4,30000001.—That of France 8,0000001, and that of Heliand 18,2500001.

Major Grast, in his Observations on the Bills of Morta-lity, compares that there are 30000 square Miles of Land in England.—That in England and Wales there are 4,600000 

ble itelf in shout 64 Years.

Sir William Petry, in his Difcourfe about Duplicate Proportion, further tells us, that it is found by Experience, that there are more Perions living between 16 and 26 than that there are more Perions living between 10 and 26 than of any other Age 3 and laying down that as a Suppofition, he infers, That the square Roots of every Number of Mens A-ges under 16 (whofe Root is 4) flews the Proportion of the Probability of inch Perions reaching the Age of 70

Thus, It is 4 times more likely, that one of 16 Years Age lives to be 70, than a Child of one Year old—It is thrice as probable, that one of 5 Years lives to be 70, as fach a new-lorn Child, 6%—That the Odds is 5 to 4, that one of 37 dies before one of 16 Years—That it is 6 to 5, (fill as the square Roots of the Ages) that one of 36 Years old dies before one but of 3 Years of Age. And fo on according to

before one bat of 25 Vars of Age. And fice on according to any declining Age to 70, compared with 4, 6: which is nearly the Root of 2st, the Law-Age.

Dr. Hally has mode a very exist Efficients of the Degree.

Dr. Hally has mode a very exist Efficient of the Coprese

Dr. Hally has mode a very exist Efficient of the Coprese

Both of the Degree.

Birth and Britis, at the City of πνόσω, the Cigital of

Stokies with an Attempt to affective the Price of Annualies

upon Lives, —From a Table which he has calculated thence,
possible of the Part First Price of Propriet.

1°, To find in any Multitude or body of Prople, the Proper
tion of Man Hale to best Arms; which he recrease from 2 for

56 Years old; and accounts about \$ of the whole,—2°. To flew

the different Degrees of Mortality, or rather Vitality, in all Ages; by which means he finds the Odds there is, that all Ages is by which fields he made the Under uter. s<sub>1</sub> can any Ferion of any Red ordh not de in a Yarf- Ilman any Ferion of any Red ordh not de in a Yarf- Ilman ber of Yarris it is neven I say that field a Perfor hill dies, and finds, for inflance, that it is an even I say, that a Man of thirty Yarso of Age lives between twenty feven and twenty eight Yarrs. "A To regulate the Price of Infrance upon Lives. S<sup>2</sup>. And the Valention of Annatties upon Lives. S<sup>3</sup>. And the Valention of Annatties upon Lives. S<sup>3</sup>. And the Valention of Annatties upon Lives. S<sup>3</sup>. The two violent to woo of three Lives after the time Man-

of the state of the late and the late and the late and the state of th that are born, do not live above seventeen Years.

2. That the Growth and Increase of Mankind is not so

nuch flinted by any thing in the Nature of the Species, as it is from the curious Difficulty most People make of venturing on the State of Marriage: And therefore that Celibary ought to be every way difcouraged by all wife Governments; and those who have namerous Families of Children to be countenanced and encouraged by good Laws;

Children to be continued and encouraged by globel Laws; find a the Tyu International Continued to the Remain. In the Children of the Children of the Children of the America and Rarids, the Properties of Males and Farnder, &C. See support the Children of the Children of the Children of POLITICAS, POLITICS, the first Brate of Occomous Children of the Children of the Public Safety, Order, Tanogality, and good Moralis See Enrices, Pintosoparis, Tanogality, and good Moralis See Enrices, Pintosoparis,

GOVERNMENT, O'C. My Lord Bacon divides Politicks into three Parts; with

regard to the three grand Ends thereof, or the three Offices incumbent on those who have the Administration s, etc., the Preferencies of the Sutes, the Happiness and Harpiness of the Sutes, the Happiness and Harpiness of the Bounds, Ord, by recent I Anthers, the about the their there is a deep Silence—II happens and Spring of the Professional Office of the Professional of the Professional Office of the Professional of the Professional Office of

the Book being all Quotations,

the Book being all Quostations.

The Word is formd from the Greek mass, Grostan.

POLITY, or POLICY. See POLICY.

Be POLICY.

The Word is formd from the Greek mass, Grostan.

POLITY, or POLICY.

See POLICY.

See POLICY.

The Word is the Control of Marinamines. See Tars.cvi.

It grows in assontations Places, and is thence denominated Admentages. The Tops of its Flowers are different Ge-phalick, proper to promote Urine and the Menfies, and to prevent Corpurplement the Greek and White: to recommend the Control of 
Prevent Corruption.
It has its Name from the Greek anales, White; in regard the Heads of the Polism of the Ancients, according to Discovides, and the Leaves according to Pliny, were white.
POLL, a Term used in ancient Writings for the Head.

TABH T

The Word is doubtles form'd from Part, this Part being ast tweer the Pole of the Microsofts. See Posts.

The Word is doubtles form'd from Part, this Part being ast tweer the Pole of the Microsofts. See Posts.

When the Pole of the Microsofts. See Posts.

When the Pole of the Microsofts.

For the Pole of the Pole of the Pole of the Pole of the Words.

Poll 1820, or Polesogt. In Agriculture, so old Tree which has Don often logs. See It are.

Poll 1820, or Polesogt. See It are.

Poll 1820, or Polesogt. See It are.

Poll 1820, or Polesogt.

Poll 1820, or Pol

n 12d.

foo 12.6. no new Taxa, a species by former Arts of Parlments, particularly that Andre 350, where, Out live to many particularly that Andre 350, where, Out live to man conjugate speem feiture, writing factors, per Gapter live live requirements of the Andre Arts of the Andrew Arts

The Indians are to imperititious on the Head of Pollution,

that they break all the Veffels which those of another Religion have drunk out of, or even touch'd; and drain all the Water out of a Pond a Stranger has bath'd in.

Water out of a road a Shanger has occur in.

Pollution, or Self-Pollution, is also find for the abusing or defiling of one's own Body, by Means of life in the
ous Frictions and Titillations, rais'd by Art, to produce an miffion. See Emission.

We read in Scripture, that Err and Onan were feverely

We read in Scripture, that Err and Onan were feverely Emission.

We read in scripture, that Err and Onan were tweeted pumified for having pollured themselves by fulling that is on the Ground; whence the Crime has been denominated by fome Emperics, Onania. See Orantia.

Of Pollurions fome are Voluntary, others Involuntary, and

Nothernal POLLUTION is an involuntary Emiffion of Seed, from a too great Turgescency of the Seminal Vessels, or

from the Seed's being too flarp and irritating, or from a Weakness of the Parts. See Seed.

The Romith Church puts up Prayers in the Close of the Evening Office, to be preferred from Nocturnal Polla-

POLLUX, in Aftronomy, the Hind Twin; or Hind Part of the Confedition Gemini. See GEMINI.

"O'LLUA, in Attronomy, the fund I win, or Hild The Confellation Gennis, See Grasser, The Other Confellation Gennis, See Grasser, the Con-ficultion Gennis, or the Twits. See Grasser, the Lis Flace is in the Fland of the Hild-Twin, named Peker, —Ins Longitude 189 (s) 697, Its Latitude 67 307 297 M. Fell Lis Sia Gold in Meteorology. See Garron. PELLUX is allowed in Meteorology. See Garron. POLITAGON, or POLITAGO, The Grant General County Compet to perform any thing great, or nobies, See

The Word we borrow from the French, who, according to Salmofius, derive it a Pollice transato; because antiently

to Saimajus, derive it a Police transato; because antiently Thumbs. See THUMES. But Menage, with more Probability, derives it from the

Italian, Poltrage, and Poltro, a Bed, because timerous, pa-fillanimous People take Pleasure in lying a Bed.—He adds, minimous recopic take recurre in 1740g a near-tre agos, that the halam, Paltra, is again derived from the German, Palfer, a Pillow or Cuthion.

Others derive the Word from the Italian, Paltra, Colt;

Defense derive the Word from the Indians, Peltro, Ook; because of that Ceature's Readine's to run away.

POLTRON, in Fankconry, is a Name given to a Bird of Proy, when the Nalls and Talons of his Hind-Toes are cut off, wherein his chief Force and Armour lay; in order to intimidate him, and prevent his flying at great Game. See

HAWK and HAWKING POLYACOUSTICKS, Inftruments contrived to mul-tiply Sounds; as multiplying Glaffes, or Polyfcopes do Ima-

of Objects. See PHONICES, SOUND, 600

gó of Oblech. See Pitonicas, Sound, etc.
The Word is companded of the Greek ense, much, ind
seus, andis, I bett. See Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustrees:
Acoustree

And the second section is the second section of the second section sec

arto, Flor, Flower, The Word is more particularly used for a Species of the

Hyacinth,
POLYGAMY, a Plurality of Wives, or of Husbands,
held by the fame Man or Woman, at the fame time. See

Wife and Hessand.

Polygamy is prohibited among Christians, but was allowed
by divine Appointment among the Jews; as it fill is among the Mahomeran Maj. Grant observes, that the Males and Females brought

into the World are nearly on a Balance; only abating for a little Excess on the Side of the Males, to make up for the extraordinary Expence thereof in War, and at Sea: the extraordinary Expense thereof in War, and at Seat-whence it follows, that Nature only intends one Wile, or one Hosband for the fame Perfon, fince, if they have more, fome others mad go without any at all — Hence he con-cludes, that the Chriftian Law, which prohibits, is more agreeable to the Law of Nature than the Adobastom, and we may add, than the Jenijo Law, which tolerates, Pely-gamy. See Markaca.

Yet Selden has proved, in his Oxor Ebraica, that Plura-lity of Wives was allowed of, not only among the Hebrers, but almost among all other Nations, and in all Ages. Tis true, the ancient Romans were more fevere in their Tis true, the ancient Romans were more fevere in their Morals; and never practical is, the 'tween not forbid among them: And Mark Anthony is mentioned as the first who took the Liberty of trow Wives. See Concensive.

From that Time it became pretty frequent in the Empire, till the Reigns of Theodofact, Elmorias, and Areadins, woo first prohibited it by expects Law in 393,—After this they

Emperor Valentinian, by an Edich, permitted all the Sub-jects of the Empire to marry feveral Wives; nor does it ap-pear from the Exclehaltical Hiltory of those Times that the Bishops made any Opposition to this Introduction of Paly-

per de la company de la company de la contina Co-finit wede ont tous en régions y an inferi rentant-private deserves, that the Probibition of Polgony is a positive Live, from which a Mon may be exempted by loveraging to the per company of t

railty of Wives, the only had faccellively, or one at a Time. See Wire Jourch his fill disputities a Man for the Landson of the Control of th

and Criticate, a base prission in the particular state of the first threat life on the Creek week, and yadde, Tongue. The first helighter-libble is that of Cardinal Xinener, principle in 1835, at Ideals de Henovy and commonly cill'd the Bible of Complutume, or Completering Ribble. It contains the Henove Ever, the Collect Varieties on It contains the Henove Ever, the Collect Varieties on the contains the Edition. See PARTATRICE, PARA-WHARE, GE.

ancient Latin Edition.

PHEN AS IS, Select there is no other Latin Version from the Hebren beside this last, but there is added another literal one from the Greek Septuagint.—The Greek Text of the New Latin Lat reframent is here printed without Accents, to bring it near-er to the Original of the Apofiles, or at leaft to the most ancient Copies, wherein there are no Accents found. See

ACCENT At the End is added an Apparatus of Grammars, Dictiont the final 8 added an Apparatus of Grammars, Dictionaries, and findices of Tables.—The chief Author, Xinness at Citerros, Cardinal and Archifflop of Teleds, in his Delication to Pop Leo X. oblerves, that it was needfary to give the Holy Scriptures in their Originals; there being no Transfusion of the Company of the Scripture of the Company of the flation, how perfect foever, that can render them perfectly.

heetty. The Scoond Polyglest is that of Phillip II., printed by Plan-tin at Advancery, in 1572, and the Cite of the Edition Int. 100 policion Arist Manienau. In this, belides every thing in the Bible of Completana, are added the Chaddee Paraphrafies on the reti of the Old Teltanent belide the Prontensis, with a Latin Tradition of this Paraphrafies. In the Polygetin is likevite a very literal Latin Vertion of the Hebrew Text, for the Ule of those who have a mind to learn the Hebrew Language.

have a mind to learn the Hebrera Language.

As to the New Tellament, befire the Greek and Lasin of
the Bible of Aleala, in this Edition is added an antient Syriae
Version, both in Syriae and Hebrera Characters, with Points, to
facilitate the reading thereof to those accritioned to read
Hebrera—To the Syriae is likewise added a Lasin one, conposed by Gay le Ferre, who had the Care of the Syriac Ver-

ion of the New Tellament.

Littly, in the Region of innersy is added none explored.

Littly, in the Region of innersy is added none explored.

Complana ; with feveral little Treatiles justife necessity for Complana ; with feveral little Treatiles justife necessity in the Tellament of the Tellament in the Tellam

whe the Flewer and Samorton 1 ext, and the Somerion Vertica in Somerion Characters. As to the New Teflament, befide every thing in the Polyslett of America; here is added an Arabic Translation, with a Latin lipterpretation.—But here wants the Appartus, and the Grammars and Dictionaries, which are in both the former Polygiots, which renders this steat Work very imperation.

The fourth Polyglost is that of London, printed in 1657, call'd Walton's Polyglost, from the Author of the Edition Dr. Brian Walton afterwards Bilhon of Wineboffer.

This is lacked left magnifector than that of M. Jip; with regard both to the Size of the Paper, and the Beary of the both to the Size of the Paper, and the Beary of the both menty has in all other regolds prefeatible; being him to be the size of 
The Laim Verlion of the Greek of the Sewny is that published by Haminus Nobilius, by Authority of Pops Sixta V. Add, that in this Polylets are found fome Parts of the Bible in Ethiopian and Perfan, nothing whereof appears in any of the relit.

any of the reit.

Lattly, this Edition has the Advantage of Preliminary
Diffourties call'd Preleasement, on the Text both of the Originals, and Verfions, with a Volume of various Readings of
all the different Editions.

all the different Editions.

To the Number of Palphetrs may likewife be added the To the Number of Palphetrs may likewife be added the Section of Palphetrs of Pa

of the Pages, and at Doctom is source the Community.

After the Control of the Pages in the Community in the Control of the Law in three Columns like the former.—The Hebrew Text of the Law is in the middle, a Translation into the Vulgar Greek on one field, and a Samilé Translation on the other. These Control of the Cont the Chaldee Paraphrate of Onkeles, and at the bottom the Commentaries of Rofes.

Commensaries Of Koffes.

To their may be added as a feventh Palgelest, the Philter published by Ang. Sufficiency, a Dominican, and Bishop of Nybies, at Green 15165, containing the Hebrery, Greek, Analois, and Chaldee, with Lasis Interpretations and Gloffes. See PSAITER.

There are various other Editions of the Bible either in whole or in part, which might be ranged under the Article of Palgletrs, the 'they are not foderonianted—flich are the Hexagla, and Oliagla, of Origen. See Hexagla, and Oliagla, of Origen.

And the Bible of Hatter printed at Hambourg, in Hebrew, Choldes, Greek, Latin, German, Saxon, Italian, French, Sclavanic, Dongle, &c. See Bible. POLYGON, in Geometry, a multilateral Figure; or a Figure whose Permeter consists of more than four Sides,

and Angles. See FIGURE, PERIMETER, &c.

If the Sides and Angles be equal, the Figure is call'd a Regular Polygon. See REGULAR.

The Word is form'd from the Greek man and ylou, Knee,

Pagess are diffinguish'd according to the Number of their Steen—Thole of fives Sides are call'd Panagon; t thole of first, Hazagon; thole of eight, Ottagon; thoir of seen, Hazagon; Ke. The particular Properties, O'c. of each where of, the under its proper Article, Passyanos, Hazagons, o'c.

#### General Properties of POLYGONS

Exclid demonstrates these which follow .--- 10 That every Polygon may be divided into as many Triangles as it hath See TRIANGLE

Sides. See IRLANGE.
This is done by affiniting a Point as F, (Tab, Geometry),
Fig. 20.) any where within the Polygon, and thence drawing Lines to every Angle Fa, Fb, Fe, Fd, Cre.
2º The Angles of any Polygon taken together, make twice
as many right ones, abating four, as the Figure hath Sides.

Sec Avol. .

Thus, if the Pulyon have five Sides; the double of this is 10; whence labriacing a, there results of right ones. To 10; whence labriacing a, there results of right ones. To 10; whence the results of the control of the Circle, and the other the Perimeter of Sum of all the Sides of the Pulyon to quad to a Rectungle Trill ones, every Replate Pulyon is equal to a Rectungle Trill ongle, one of whole Legs is the Perimeter of the Pelgran, played, one of whole Legs in the Perimeter of the Pelgran, Sec Angli

Nothing therefore is wanted to the Quadrature of the Circle, but to find a right Line equal to the Circumference of a Circle. See Circle, Circumference, Quadrature,

Cor.
To find the Area of a Regular Polygon.—Multiply a Side
of the Polygon, as A B, by half the Number of the Sides, e.gr.
he Side of a Heragon by 3. Again, multiply the Product
by a Perpendicular let fall from the Centre of the circumferbing (Erte to the Side A B; the Product is the Area re-

feribing Circle to the Side AB; the Product is the Area requiette. See ARIa;

graphics. See

Angles of a Pentagon.

Hence, if the Sum found be divided by the Number of Sides; the Quotient will be the Angle of a regular Poly-

Some Ot, the Sum of the Angles is more speedly found thus: Malfely 130 by a Number left by two than the Number of Sides of the Pelysus; the Product is the Quantity of the Angles required: thus 130 being multiplied by 3, a Number left by 2, than that of its Sides; the Product is 540, the Quantity

Angles as before.

The following Table exhibits the Sams of the Angles in The tollowing Table exhibits the Sams of the Angles in all rediliners Figures, from a Triangle to a Dodceagon; and is of good use both for the describing of regular Figures, and for proving whether or no the Quantity of Angles have been truly taken with an Inframent. See Redula, Fi OURB, Oc. Tat. CTC. I des cCl Nort I North des ch

|        |       |          |       |       | Per Die  |  |
|--------|-------|----------|-------|-------|----------|--|
| Sides. | Ang.  | Reg. Fig | Sides | Angl. | Reg. Fig |  |
|        | 0.0   |          | ***** | 1080° | -        |  |
| III    | 180°  | 600      | VIII  | 10800 | 135      |  |
| IV     | 360   | 90_      | IX    | 1260  | 140      |  |
| v      | 540   | 108      | XI    | 1440  | 144      |  |
| VI     | 720   | 120      | XI    | 1620  | 147 3    |  |
| VII    | 000   | 128 9    | XII   | 1800  | 150      |  |
| _      | ***** |          |       |       |          |  |
|        |       |          |       |       |          |  |

To inferibe a regular Poligon in a Circle. — Divide 360 by the Number of Sides in the Polyson required, to find the Quantity of the Angle Et D. Set off the Angle at the Centre, and apply the Chord thereof ED, to the Periphery, as often as 'twill go. — Thus will the Polyson be incircled in the Circle.

in the Girde.

The Refolution of this Problem, the 'it be Mechanical; yet is not to be despired, because both early and universit—

Beatild, indeed, gives as the Contraction of the Pentagon,
Decigon, and Ogiodecagon; and other Authors give us those of the Heptagon, Emeragon, and Hendecagon; but they are far from Geometrical Strictness.

they are fir from Geometrical Strictness,

Rendefines by down a Chethel for the detribing

Rendefines by down a Chethel five reference to the

row of from him, but Wagners and Welfers have both demon
tended to English Physics to Control of the Strictness of the

Dea Regular Physics to Control of Control of the

Dea Regular Physics to Control of Control of the

Dea Regular Physics to Control of Control of the

Dea Regular Physics of Control of Control

Of the Systen Physics A and E, by the right lines A for the

Exp. concarring in F. And from the Only of the

With the Radius Per deferthe 2 of the Control

With the Radius Per deferthe 2 of the Control

The Control of Control

The Control of Control

The Control of Control

The Control

with the Radius EF deferibe a Gircle.

To circumfribe a Polyang, & Divide 360 by the Number of Sides required, to find e F d.y which fat off from the Centre F, and draw the Line e d.; on this Contrott the Fabgus as in the following Problem:

On a given Lang, ELD, is deferibe any given regular Polyages,—Find an Angle of the Polyages in the Tables, and in E fer off an Angle equal theretoy, drawing EA = ED. Theo?

find the cuber a Perpordicular drawn from the Centre to the three Points AE D deferbs a Circle. See Circle. In one of the Sides of the Philips. See Triscott. Clark this apply the piece of the Philips. See Triscott. Clark this apply the piece of the Philips. See Triscott. The seed of the Circle see Triscott. The See T

than will a Polygon be inferibed in the Circle.

To five the trouble of inding the Ratio of the Side of
the Polygon to radius, by the Canon of Sines; we fhall add
a Table exprelling the Sides of Polygon in fach Parts
whereof Radius contrins 10000000. In practice, as many
Figures are cut off from the Right-Hand, as the Circumfances of the Cife render needlet.

| THEROGOD | 2210     | 7653668                                   |
|----------|----------|---|
| 14142135 | ix       | 6840402                                   |
| 11755705 | X        | 6180330                                   |
| 8677674  | XI       | \$6346\$1<br>\$176180                     |
|          | 11755705 | 14142135 IX<br>11755705 X<br>100000000 XI |

To deferrbe a Regular Polygon, on a given right Line, and to circumferibe a Circle about a given Polygon, Transcensorically.— Taking the Ratio of the Side to the Radius out of the Ta-ble; find the Radius in the finne Measure wherein the Side ble; find the Radius in the lane Mature wherein the Side is given. For the Side and Radius being had, a Palyaer may be defiribed by the laft Problem. And if with the Interval of the Radius, Arthes be fitnick from the two Extremes of the given Line the Point of Interaction will be the Centre

the given Line the Point of Interfiction will be the Centre of the circumScribing Cardea. In the Figure or Perinsett of a Fortreis or Fortfall Price. See Fourtrickerson, of a Fortreis or Fortfall Price. See Fourtrickerson, Carden or Point of a Bullion, to the Pierce or Point of the Pierce or Or Point of the Pierce or Or Point Or Pierce or Or Pierce or Or Pierce Or Pierc

Line GH.

The Great Control to the Country of sources and a second control to the Country of the Country o

Likey have their Names from the Geometrical Figures in-to which Polisis corresponding to their Disks, may be dif-posed or, gr. three Points corresponding to the three Units of a triangular Number may be disploted into a Triangle; and its of the reful. See Tulantou.in, Gr., The Gentis of the leveral Kinds of Polygend Numbers from the Fourch at Charles of the Polyment Numbers from the Fourching Example.

Arithmetical Progression Triangular Numbers Arithmetical Progression Source Numbers Arithmetical Progression Pentagonal Numbers Arithmetical Progressio Hexagonal Numbers

| on | 1, 2, | 3,  | 42  | 5,  | 6,  | 7.  | - 8 |
|----|-------|-----|-----|-----|-----|-----|-----|
|    | 1, 3, | 6,  | ю,  | 15, | 21, | 28. | 16  |
| 00 | 1, 3, |     |     |     |     |     |     |
|    | 1, 4, | 9,  | 16, | 25, | 36, | 495 | 64  |
| n. | 1, 4, |     |     |     |     |     |     |
|    | 1, 5, | 12, | 222 | 35, | 51, | 70, | 92  |
| n  | 1, 5, | 9,  | 13, | 17, | 21, | 25. | 20  |
|    | 1, 6, | 15, | 28, | 45. | 66, | QI. | 12  |
|    |       |     |     |     |     |     |     |

The Side of a Polygonal Number is the Number of Termsol the Arithmetical Progression that are summed up to consti-tute it: And the Number of Angles is that which shows how many Angles that Figure has whence the Polygonal Number takes its Name.

takes its Name.

The Number of Angles, therefore, in Triangular Numbers is 3. In Tetragonal 4. In Pentagonal 5. Or. confeagantly the Number of Angles exceeds the difference of Terms funnal up, by two Units.

To find a Polygonal Numbers the Side and Number of its Angles being given. The Canon is this.—The Polygonal

The Sums of Polygonal Numbers collected in the same manner as the Polygonal Numbers themselves are out of A-rithmetical Progressions; are called Pyramidal Numbers. See

PRAMIDAL.

POLYGRAPHY, POLYGRAPHIA, POLYGRAPHIA, POLYGRAPHICB, the Art of writing in various unufusl, Manners or Cyphers, as allo of decyphering the finne, See WRITING.

The Word is utilally condounded with Sysamography and Cyptography. See Sysamography and Cyptography.

The Antients feem to have been very little acquainted with this Art; nor is there any Mark of their having gone beyond

The Word is formed from the mean the mean that the mean the mean that the mean that the mean the mean that the mean the mean that the mean th

DY and SOUTH. The five regular Bodies; vie. the Tetrahadron, South are all the or Evaluation, Dedicthedron, and Ico-thedron, See acts under its people Article.

If the Sides of the Polylarable regular Polygons, all figuilar and equal; the Polylarable peomes a regular Body, and way be inferthed in a Circle. See ROGULAR Body, Sec. Communic POLYMED SON, 51 Stone with Keven IS-see, whereom are projected various fished of Dala.

Of this kind that in the Pricy-Garden, London, now gone to rain, was anciently the finest in the World.

The Word is form'd from the Greek was, much, and

Alex. Seat.

alpa. Sea.
POLYHEDRON, OF POLYSCOPE, in Opticks, is a Glafs or Lens conditing of feweral phin Surfaces, diffood into a Convex Form; popularly called a Multiphying-Gloff. See Lens and MULTIPLYING Glaf.
The Phanomena of the Pobladora are as follow.

# Destrine of the POLYHEDRON, or Multiplying-Glass,

If feweral Roys, as EF, AB, CD, (Tab. Opinics, Fig. 7:1).

fall parallel on the Surface of a Polyhedown, they will continue the Continue of the Polyhedown they will continue to the Continue to Empower the Surface of Empower to the Continue to Empower to the Continue to the Surface of the Continue to t

In G.

Honce, if the Fye be pleted where the parallel Ryyso-culties, Rays of the time Object will be propagated to 2 for the propagate of the

little diverging

Hence, it is Congerie. Called B. Bar Carylline. proceeds from different Points. But finer the Cryfielline Honour by its Convexity, collect Ruy from Fercal Points into the finer Point the Ruy from Fercal Points with the Ruy for the Ruy for the Ruy finer Points of the Retting,  $\delta_{\rm F} \epsilon_{\rm C}$  as the Globe Sides, Confequently the Eye being placed in the Focus G, will for even a near Object reported as often throw the Polycherow at that his Sides.

operaries as that has Suces.

Thus may the Images of Objects be multiplied in a Camera obfern; by placing a Polyalow at its Aperture, and adding a Convex-Lens at a due Diffance therefrom.—And it really makes a very pleafant Appearance, if a Priin be applied to as the colourd Rays of the Sun refracted therefrom. piled fo as the colourd Rays of the Sun refinded chervicine be received on the Polyladers. Form by this means they will be finown on a Paper, or Wall near at hard in Birech will be finown on a Paper, or Wall near at hard in Birech constitution of the Paper of the Paper of the Paper on Stone; and in the Forces of the Polyladers, where the Rays docullites, (for in this Experiment they are received on the convex Sole, will be a Star of forpriring Latter, If Images be pained in Water-Colours in the Anodia or 10th Squarey for Polyladers, and the Glish applick do the

Aperture of aCamera obscora, the Sun's Rays passing thro' it will carry with them the Images thereof, and project them on the opposite Wall.

This Artifice bears a Resemblance to that other, whereby

This Artifice bears a Refemblance to that other, whereby an Image on Paper is projected on the Cleares, wire by weating the Paper with Oil, and straining it tight on a fewer, to as the Rey of a Cardie may go the capped it upon the Polymerian. See CAMERA.

The reade an Anapostophic of dying all langs, midestrain 2 and the Polymerian and the Campain and the cardial. At one End of a theretone the Register of the Campain and the C over, has debe content, or here as a temperature of Nor-perly 3 Plano Chewar Psykdams, confidence, no. 0. 2 spins spins, and the properties of the properties of the pro-tent of the properties of the properties of the pro-tent of the properties of the properties of the pro-tent of the properties of the properties of the pro-tent of the properties of the properties of the pro-tent of the properties of the properties of the pro-tent of the properties of the properties of the pro-perties of the properties of the properties of the pro-perties of the properties of the properties of the pro-perties of the properties of the properties of the pro-perties of the properties of the properties of the pro-perties of the properties of the properties of the pro-perties of the properties of the properties of the properties of the pro-perties of the properties of the pro-tent of the properties of the propertis of the properties of the properties of the properties of the pr

the whole may exhibit tome Appearance very eitherent from that intended to appear through the Felyheckers. The Eye, now, looking throt the little Aperture of the Tube, will lee the leveral Parts and Members dilipared a-mong the Arcole to exhibit one continued lange; all the intermediate once didippearing. See Anamorphosts. POLYHISTORES, See History, Polyman

POLYMAT HY, POLYMATHIA, the Knowledge of many Arts and Sciences; or an Acquaintence with a great Number of different Subjects. See ENCYCLOPZDIA.

The Word comes from the Greek with a great Num-The Word comes from the Greek wide, miletum, and de-tents, Krowledge, Latriniage, Patriniag, Patrinia, Patrinia, Charles, Latriniage, Patriniage, Patriniage, Salmedjui, Greek with the Commission of the Salmedjui, Among the Ancients, facts as were embnent this Way, were clabel Pophladow. See Hirzonya a confided large of sticks Knowledge occuriously deathly, either pertinently or topertinently, for Fartade.—The gamma Felymorthy is the topertinently of Fartade—The gamma Felymorthy is the best of the Control of Fartade and the Control of the topertinently of Fartade—The gamma Felymorthy and the topertinently of Fartade and the Control of the Control of Theorem Felymorthy (Control of Theorem Felymorthy of Theorem Felymorthy (Control of Theorem Felymorthy of Theorem Felymorthy (Control of Theorem Felymorthy (Control of Theorem Felymorthy) (Control of

plex Body. See Action. piex Body. See ACTION.
Such a Work Ægiu compares to the Batrachomymachine, or one of the Fables of  $E_{p\bar{p}}$ : and fach would be the Idea of a Theidid, an Heracicid, an Achilleid, or the like Poems, which thould compared all the Actions of those Heroes; compared with the Illied, or Æneid, See Hero, Erec,  $\mathcal{O}_{c}$ , POLY NOM IA L, or rather Mattheward, Rests in Mar.

ematicks. See MULTINOMIAL and ROOT. POLYOPTRUM, in Opticks, a Glafi through which Objects appear multiplied, but diminished. See MULTI-

The Polyogerum differs both in Structure and Phonomeas from the common Multiplying-Glaffes, call'd Polyhedra,

The Word Polyoptrum is form'd from the Greek weal, with, many, and \*\*repost, I fee.

# Construction of the Polysperum.

In a Gale, spin or both Science, i. B., (Tak Ope. 1977). and all other than Fresport Hale, at our off-pherical Segments, factors a fish Part of a Digit in Damester. If then the Galib be removed from the Dryg ellip we are off-part of the Company o

In C D fit a Convex Eye-Giaß, or in lieu thereof a Menikus, having the Diffance of its principal Focus a little larger than the Length of the Tubes, fo that the Point, from which the Rays diverge after Refriction in the Object-Olish may be in the Focus.—If that the Eye be applied near to the Eye-Giaß, a fingle Object will be fear repeated so otten as there are Cavities in the Object-Olish, a fittil distillation.

POLYPETALOUS, in Botany, a Flower confifting f feveral Petala or Leaves. See PETALA. The Covers or Defences of Flowers confift either of a fin-

gle continued Petalon, thence call'd monopetalous; or of feveral diffinct Pieces, call'd Polypetalous. See FLOWER and MONOPETALOUS.

The contract prices, cuttar proporations, use who will be a beginning to the contract prices and the prices are strongly and the prices are the contract prices are the contra the Difference of its Fruit from the Singue of Shanne of the Crofs-Flowers, cannot be ranged among them.—Such alfo is the Pink, which the confitting of five Pieces, yet is excluded the Clafe of umbelliferous Flants, because its Fruit is not divided into two Parts—Such, laftly, are the Flowers. is not divided into two Parts—Such, latify, are the Flowers of fome Ranuculu's, Houfe-leek, and Anemonies, which though they have fix Penia, yet never produce Fruits divided into three lodges, as those of the Lifty Kind, and therefore cannot belong to their Clais.

The irregular polyptolaus Flowers are fo called from the old Figure and Disposition of their Penia, what Namber

0.31 years and Lipolition of their Petals, what Number of them to ever the byte. The referrable per Voltage and Control of the Peter P

and hange down, forecimes, as low as the Lip; growing, likewise, backwards, fo as to stop the Hole of the Palace, whereby the sidt and Pitoisa deleend out of the Nois down into the Throat; and by this means firangles the Patient. It has it Name from the refemblance it bears to the Fifth

It has it Name from the retembonne it lears to the Pith Poppus, call die English Parenterial, or many feet.—The forme derive the Name from the Retemblance its Subtlance bears to that of the Poppus; and others, from the retemblance is many roots bear to the many feet of the Fifth, &c.

If it have no Roots, or only one continued Root, it is called a Sarcoma; which is only a beginning Poppus. See

SARCOMA Polypar's are chiefly found in scrophulous or cancerous Constitutions, along with Venereal Cases, Ulcers, Ozenas, &c.—Canstics, Causticks, emollient Fomentations, Extirpa-

from and diffective reveneers and Lotions are the sign Re-Pex 1 year, it also find for a month's Exercisers in the Heart; confilling of a tough Concretion of grammons Boad loaded therein. See Heaver. Deferries of this Figure 1 and the sign of the sign of the sign of the repetition of the Indian sign of the sign of the sign of the sign of the blackth Brenksy in the left Ventricle it is foulter, blacker in the right Ventricle of the black, the sign of the blackth Brenksy in the left Ventricle it is foulter, blacker in the sign of the sign of the sign of the sign of the blackth Brenksy in the left Ventricle it is foulter, blacker on as nother, which form a kind of nervous Company. Physical yets frequently found upon companies Booleague occasion of indefen Death——They are findom different of the sign of the sign of the sign of the sign of the physical sign of the sign of the sign of the sign of dated any confidentials the sign of the hadipple. Translet. to evince the former. If the sign of the who cought up, at times, feveral handered Poppur's of the Three Energy is thus or were of the sign of th

Who toughes are,

They fem'd to have fome Organization, and were all

They fem'd to have fome Organization, and were all

perfectly alike.—The Patient tide, they had no Life, he
had frequently press'd a finny matter out of the Body.

Dr. Lifer observes, that tich Pelysus's are formed in the
remoter and deeper Branches of the Affairs Aireria, whence

the Affairs and abovementation of the Affairs and abovementations.

they are very difficult to get up. The Patient abovemen-tion'd never brought them up till after a continued coughing of half a Day and Night. He adds, that they are nothing but viscous Excretions of the small Glands, hard bak'd in those Glands whose Form

the fault Glands, Bird bla'd in thois Ghands whole Form they rective—M. Biffer oblives, they are frequently mithsten for pieces of the Blood-Veffel's or Lungs, are fach as contain feveral Krends, or Seeds, See Faury:
They are they call'd from the Orect work, much, and may, Medicas, Kernds, See Deversations.

It's COUTE, a Multiplying-Glots, i.e., a Glift which call the seeds of the Court of t

represents one Upper to the Eye, as it it were many; can allo Palykedom. See MULTIPLINES (Glaff and POLYBERON, POLYSPAST) in Mechanicks, a Mechine for denominated by Pirravius; conflicting of an Affemblage of Everal Pullies; of all for rafting of hege Weights in the Upper Section 1988. in a little time. See Machine.

The Word comes from the Greek with, and wise; q.d.

The Word comes from the Greek was, and wass; 0,44, from my be trued among man. He Polifysight in to very good purpose, it being demonstrated in McChaileck, that the Poter replaced to fulfacia a Weight by mean of a Polifysides, it to the Weight little, at Unity to the Number of Steepes, it to the Weight little, at Unity to the Number of Steepes, it to the Weight little, as Unity to the Number of Steepes and the Power being siven a Tellette, the Number of Pullis, and the Power being siven a Helman, the Number of Pullis, and the Power being siven as the multi-word of the Power be the Weight.

the Weight that will be faithful thereby is salify found; see. by midtiplying the Power by the Weight, Supposed the Power of Pornels, and the Number of Pollier. Supposed the Power of Pornels, and the Pollier of Supposed the Power of Pollies being riems, toge-ther with the Weight faithful of the Power is found by di-closing the Weight py the number of Pallies, by the Green of Pallies, Tan, of the Power will be 500. and the Number of Pollies of, the Power will be 500. The Pollies of the Pollies of, the Pollies of the Pollies of the Pollies of, the Pollies of, the Pollies of the Pollies of the Pollies of the Pollies of, the Pollies of the Pollies of the Pollies of the Pollies of, the Pollies of the Pol

Fower with the you.

Declader obliverse, that 'tis found by experience, that a moderate Man Handing barely on the Ground will lift yo Pound; whence the line Man by means of a Polylaying conditing of 6 Pollics, will be able to fultain go? Pounds.

The Power of the Pullies will be fill exceedingly increased. by joining feveral Polyfpaffant.

by joining teveral Padjfaglass.

To find the Number of Pallies a Palyaphon is is to confit of to raife a given Power... Divide the Weight by the Power; the Quotient is the Number required.

Suppole, e. gr. the Weight 600 Pounds, and the Power 130; the Pallies will be 4, whose Diameters are to be all equals, fuppoling two of them appear and two lower, moveable as the Service of the Service Pallies of the Servic

caul, forpoding two of their appear and two lower, moveable on the line common Arx.

Bottom, is applied to far-file the appear and two lower, moveable of the their selection of the file that is have more than lower Scele facecoming each Flower.

Thefis, Mr., Eng. makes a distinct kind of I leth's; calling them Herbs farms made polyformer, where, by Scenam and is meant fand Seeds as do not put off fipontaneously the late-generate of Corperings, which they elither they, or space to have, but fall off coverd from the Mother-Flant. See Sub. The Word is formed from the Greek and, make, late I have been a formed from the Greek and, make, late

pun, Seed. Polypermous Herbs are fubdivided into 1º Such as have a Caby or Perianthium, confifting either first of skee Leaves, and the Flower Tripetalous, as the Plantago Aquatica, and the Sigittaria, both Water-Plants; or the Flower Polypetalous, and the Calya fallion with ites the Californium tomes; or remaining allies were 4 doubt, and the Highest American Californium and the Californium and

Armentina, Athes, and Penniyhviloifas.

29 Seda-Sahve oo. Calya of Pertinathium 32s the Clematis, pilipendisk, Umaria, Anemone Nemorum, Pulfittilla, &c., POLYSYLLA BICA, Edwiny, Polic withich repeture of the Control 
POLYSYNDETON, in Rhetoric, a Figure confift-ing in an abundance of Conjunctions Copulative. See Fi-GURE and COPULATIVE.

Such is, Me, pra ceteris & colit & observar & diligit.

In opposition to this stands Asyndeton. See Asynderon.

PULYTHEISM, the Doctrine or Belief of a Plurality of See Go D.

Gods. See Go D.

The Word comes from the Greek mad, multum, and Ords,
Deux. See Industry, &c.

Drus. See Bookarva, 69r.
POMADA ja Beseridie of vaulting the wooden Horfs, by laying one Hard over the Pommed of the Seddle.
POMATUM, or Postance, a Composition of Apples, POMATUM, or Postance, a Composition of Apples, POMATUM, or Postance, a Composition of Apples, postant on many Occidions, particularly for Diffelis of the Sin, Plumples, Scottif, 6-70. to offente the Hands, reader the Skin fimods, the Complexion fresh, 67c. See Uscouser, Personaum are cocclosmily made with felfilmines, pompts, Jongailla, Tuberofs, 67c. 1, r. they are performed with the Odmen'd tubel Felowers.

The beft is faid to be that prepared of Kid's Greafe, Pip-ins, an Orange flic'd, with a Glafs of Rofe-Water, and alf a Glafs of White-wine, boil'd and fitain'd, and at laft falf'a Glass of White-wine, pour and forinkled with Oil of fweet Almonds. spenness was 101 of never atmosphere.

The Ungenesian Possurus preferred in the College Disperfery conflist of rigs 1 kard, Sheep's Suet, the Apple call of Possure atter, Rok Water, and Oprice Root, Solf dill the Apples are fort, strain'd and perfumed with Oil of Rhodium.

De Queny observes, that the Apple is of no Significancy at all in the Recipe, and that the common Possurus fold in the Stoges is only Lard beat into a Clean, yolk Rosel-

Water, and fcented with Lemons, Thyme, or the like. POME, among Gardeners.—To Pome is to grow or

POME, among Gardeners.—To Pome is to grow or Init into a round Head, fomewhat like an Apple,
Thus, they fay a Cabbage begins to Pome, &c.—They fometimes us the Term re-cobbage in the time Scofe,
POMEG RANATE, Gramstum, a medicinal Fruit, in
Form of un Apple or Quince; fall of Scods or Kernelts, enclosd within a reddish Palp, fometimes tweet, fometimes

See FRUIT It is denominated from its Abandance of Grains or Ker-It is genomiated from its nonnance of Crains or Rer-nels; q.d. Poman Grassiam, a Kernel'd Apple; or from the Country where it was anciently produced, viz. Granada, The Granada Tree is of two Kinds, the one wild, which produces a Kind of Flowers used in Pharmacy, called Ba-

gitia. See BALAUSTIA.

The other cultivated in Gardens; whereof there are aain two Kinds; the one only bearing Flowers; the other, outh Flowers and Fruit, — The Flowers of each are in-

both Flowers and Fritte.—The Flowers of each worth-leded in an oblog-pupic Calvy, referred in the con-tedied in an oblog-pupic Calvy, referred in the protection of the prickly their Lawre feetbale those of the greater Myrite, and their frint, which is compiled of a great Number of footnition which is compiled of a great Number of footnitions whom, according to the Callids of the Tree, are all indoord in little difficient Calls, and covered, in common, with a thick brownfill Ried; over this grows a Kind of Production of the Calvy. In the general, Pronogrammers are not only argueble to the Talks, this good for the Stomach; and of condiscrable UE in Medicine.

in Medicine.

Of the Grain are made Syrups and Conferees; and the Rod, which is held very affringent, he in fugacified in Rod, which is held very affringent, he in fugacified in Rod, which is held very affringent, he in fugacified in Rod, and the Rod of the Rod at the Medicar do Samet, he in Rod of the Rod at the Medicar do Samet, he in Rod of the Ro

the Emplié Herzkis; who expects different colour'd Roundles by diffinct Names. The French, who content themselves to denote the different Colour of the Roundle, call them Tortenax Vers. See Tox rank

POMIFEROUS; q. d. Apple-bearing, in Botany, a Name given to thole Plants which have the largest Fruit, and are covered with a tilke hard Rind; by which they are distinguished from the Bacciferous, which have only a thin Skin over the Fruit. See Plant and Bacciperous, the The Pomiferous Kind have a naked monopelation Flower.

The Fouriers of Gold have a table monoperation Fourier, divided into the Partitions, and growing on the 1 op of the forested print. — They are divided into \$\tilde{\pi}\$. Opperating of the fourier of t

or other Matter a top and in the Middle of the Saddle-Bow, to which are faften'd the Holfters, Stirrap Leathers, &c. See SADDL 8.

POMMEL is also a round Ball of Silver, Steel, or the like, fix'd at the End of the Guard and Grasp of a Sword, to serve ome measure as a Counterpoise.

in iome measure as a Counterpoisie.

Batzax observes, that there are filll extant Charters and
Privileges granted by Charlemaign, and feated with the Panmel of his Sword, which, ordinarily, he promifies to defend
with the fame Sword. See Shart, Stonardurg, &c.

with the lime sword. See Seal, Signatures or. POMP. See Clarcus, Cavallands, &c. POMPHOLYX, or whete Calemons, in Pharmacy, the Prowers of Brais, or a white, light and fribible Subtlance; found adhering to the Lid or Covercle of the Crucibles or Ferrances, wherein Copper is metted with Calemonis Stone, for the making of Brais. See Brass, Calamins, or. It is effected detective and detective and deflectative, the only apply of externally; and much used in divers Kinds of Fevers : the

its Vinlence requires its being used with great Procaution.

The Apothecaries formetimes call it Nul or Nihili Albund. and sometimes white Turry, in regard of its Resemblance thereto in Virtue. See Turry.

The Word is form'd from the Greek supplies, q. d. Bab-

arifing on Water. POMUM Adami, in Fore part of the Throat.

hroat. See THROAT. Fore part of the Inroat. See I HROAT.
Some fancy it has called upon a firange Conceit, that a
Piece of the forbidden Apple, which Adam eat, flack by the
Way, and was the Occulon of it.
In reality, it is only the Convex Part of the first Cartilage of the Laryux, called Sauiformii. See Laryux and

POND, in Geography, a little Lake, which neither re-tives nor emits any River. See Lake and River. PONDERARE, in our ancient Cultonis, a Method

of curing fick Children, The Practice was, one The Practice was, psuderare, to weigh, the fick Child, at the Tomb of some Saint, counterpoiling, or ballancing the Scale the I omb of Iome Saint, counterpoiling, or ballancing the Scale with Money, Wheat Bread, or any other thing the Darnet were willing to offer to God, his Saints, or the Caurch.

But a Sum of Money was always to make Part of the Counter-balance. By this Means the Care was effected.

Ad fepalebrum Sandi, Naamos fe ponderaba.

PONDUS, Waight. See Weffert.

PONDUS, in ancient Records, is a Duty paid to the King ac-cording to the Weight of Merchandizes. See Poundage. Pondus Regis, the Standard-Weight, anciently appoint-

bore in the Hand, or at the circlet, or this in the Pocket.

The Parison was actively in very great till, but in own in good markine tes aides, except among diffilling. See Antaness, and are field to continue fill in some fill Spinned and the Fatter of Swored and Parison of Edition of Defined Spinned, and the Parison of Parison of Defined Spinned, and that from Pognes, Handfall.

The Word's International Parison of Defined Spinned, and that from Pognes, Handfall.

The Word's Portain, or Porta Criticis, in Anatomy, the Control of the Post Parison of Parison, and Parison of Parison in the Post Parison, in the Post Parison, and Parison in the Carebollum, and louding to the formation in the Carebollum, and louding to the formation in the Parison in the Parison in 
the Year 1572.

to H PONTAGE,

PONTAGE; Contribution towards the Maineauron.

See Ggrins, St. Gregory, St. Angellin, and Stationis Apollians. Requiring, and Reducting of Belges. See Battons.

His was, intention, one of three general Methodol Caurays, the Batton of Parison of an Dargor whatever was exempted. The Arter Strain of French and St. St. English, and Stationis Apollians whence an Perion of an Dargor whatever was exempted. The Arter Strain of French and St. St. English, and Stationis Application, St. English, and S

Postonagium, Pontage.
PONTIBUS reparandis, a Writ directed to the She-

FOR I ISUS reparanda, a West carectee to the Sacriff, willing, him to charge one or more to repair a Bridge, to whom it belongs.
FORTIFICAL, PONTIFICALE, a Book of the Rites and Ceremonies belonging to Pontiff, Bilhops, Popes, &c. See Rittal and Ceremonial.

See RITTAL and CEREMONIAL
PONTIFICALIA, the Robes and Ornaments, wherein a Bishop performs Divine Service. See EPISCOPAL
PONTIFICAT, the State or Dignity of a Pontification of the Calendar in the Time of his Pontification.

See CALENDAR

The Concordat was pass'd in the Possificate of Les X. See CONCORDAT. There was a Postificare that only lasted twenty four Hours.

PONTIFEX, PONTIFF, High-Prieft, a Person who has the Intendence and Direction of divine Worship, as the offering Sacrifices and other Religions Solemnities. See

the offering Services and other Religion Solemities. See Plitter, Scattypts, off... Framework of the Common bad. College Manufly, and over toke, The Roman bad. College Manufly, and over toke, The Roman bad. College Manufly, indirect by Ny-seria visible Fauction it was to prefere the Ceremonies each God was to be seen bad with the preference of the state, direct the Victoria, and for a good within to prefer that, direct the Victoria, and for a good with the preference he was problitted intermediating therewish. See Auoura. He conferented he Santon of the Gods yet they were the conferented he Santon of the Gods yet they were problement of the Santon of the Gods yet they were the conference to the Santon of the Gods yet they were the conference of the Santon of the Gods yet they were the conference of the Santon of the Gods yet they were likely the Common of the Common of the Common of the Common of the prediction of the Common of the Common of the Common of the Common of the prediction of the Common of the Common of the Common of the Common of the prediction of the Common of the Common of the Common of the Common of the prediction of the Common of

See Popp.

See Pouz.
Authors differ about the Exymology of this Word: Some derfew it from polic feerre, dux is, from the Authorst differ the Fouglish all to its firstless; the sea Jerres, from Fouglish at the English and to its firstless; the sea Jerres, from Fouglist go and offer Sterifice on the other fide of the Tiler. PON TON, or PONTON or New Year, a lixtic flowtains Bridges, and of Boats and Planks. See Bax 1002. Her Posters is a Muching confifting of two Velfelis, at a ther Posters of the Steries, which the Steries of the Sterie

the l'alinge of the Cavairy, the Canon, infantry, 9%. Over a River, an Arm of the Sea, 6%.

The late invented Powen is of Latten, farnifit'd with an Anchor, 6% to fix it — To make a Bridge feveral of these are disposed two Yards afunder, with Beams across them,

are disposed two rares animars, who resume and over those, Boards.

They are also link'd to each other, and faften'd on each of their Heads, and fix'd to a Tree or Stake on either Shore.

The whole makes one firm, uniform Bridge, over which

—The whole makes one tirm, uniform Bridge, over which a Trin of Artillery may pill. artin of a trinicy may be a trinicy and a trinicy artin of a trinicy artin of a trinicy artin of a trinicy of a trinicy artin o

the Sides of the under Bridge, that the upper may be pulled forwards, till it joins the Place where it is fix'd: the whole Length of both however not to be above five Fathom long, leaft they fhould break with the Weight of the Men. See POOL, is properly a Refervoir of Water, supply'd with

Springs, and discharging the Overplus by Sluices, Defenders, Wears, and other Cause-ways. See Shuice, O'c.

Vears, and other came-ways. See Salutes, ov. Mill Pool is a Stock of Water, by whole Force, dr. the totion of a Mill is effected. See Mill.
POOP, Papis, the Stern or uppermoft Part of a Ship's toll. See Powers and Stern,
POPE, Papis, the Chief or Head of the Roman Catolick Church. See Papis. Father & Cointe in his Annals observes, from St. Jerom,

Hillory mentions a Payth, Jan.—The Reality herods has been appoint and defended by many learned Non.— The Tradition might possibly take its Rife from the Wea, each of Pope Jave VIII. In refloring Pleasing to lis Communion, and owning him as true Patriarch: For he hence got the Appellation of Woman, is that Printe Call<sup>8</sup> King May did, by leaving himself to be governed by Q. May his Wife. See Kixto and Qursus.

M. Spanheim, Professor of Theology at Leiden, has lately wrote very amply on the Subject; and shews it to be a Question de faile, scarce determinable at this Time of Day. POPE, Papa, among the Roward, was the Name of certain Inferior Officers, or Ministers of Sacrifice. See S 4:

The Baines of the Papa was to whet the facilities Rills, to bind the Vittim, prepare the Water, and other Necessiates, to finite the Vittim,  $\sigma c$ .

They did their Office naked to the Girdle, and crowned with Larret.

POPLES in Anatomy, that Pare where the Thigh is ined to the Tible. See THIGH and TIRIA. POPLICANI, Populicani, or PURLACANS, a Name gi-

wen in the West to the Admiches; or to a particular Branch, thereof, called in the East Paulicians. See Paulicians. POPLITEA, in Anatomy, is the third Vein of the Leg. See Var.

It arises from the Heel, where it is form'd out of feveral
Branches, 'compa both from the Heel and Ankile.

It lyes pretty deep in the Fleth; and ascending up to the
Huns, terminates in the Caroli Vehr. See Caunal, &c.

POPLITEUS, or Sab-Pourragus, a Makie, which aries from the barenal and interior Protuberance of the Thigh Bork, and pulling over the John obliquely, a inferted into the fipper and internal Part of the 110h.—It stills in bending of the Leg. and turns it invareds. See Leg.

bending of the Leg, and turns it inwares. See L. 5.0.
POPPY, Papaver, a medicinal Plant, famed for its Nartite Quality. See Nancoric.
There are divers Kinds; some wild; some cultivated, white, cotic Quality. purple, fearlet ; O'c. But those most used are the white, Papaver

ortenje femine albo; and black, Papaver Hortenje femine nuro. The Heads of these Plants are of singular Virtue to promote Sleep, affwage Pain, O'c. they frop Diarrhan's, Haorrhages, O.c.
Of the Juice of these is prepared the Meconium fold in

the Shops. See MECONIUM.

The Opium brought from Tarky is an Extract of the Juice of Tarky Poppies, See Opium.

POPULAR, Popularis, fomething relating to the People.

The Roman Nobility was diftinguished into two Factions; the Optimates, who achieved firemostly to the Ministry, the

Senate, &c. in opposition to the People.

Jesses, Vr. in opposition to the People.
And the Psyadiser, who fround the Rights and Pretestions of the People, in opposition to the Noblest.
POPULA B Diffsets, are fich as become common, and run that the Body of the People, call'd also Existence Diffsets. See Expressive.

. See EPIDEMIC. Hippocrates has wrote expressly de Morbis Popularibus. See DISEASE.

POPULAR Errors, are fach as People imbibe from one another, by Coftom, Education, and Tradition, without having confider'd the Reasons or Fonadations thereof. See

having owners and the Buds of black Poplar, Violet Lexes, purp reprint of the Buds of black Poplar, Violet Lexes, Navel-wort, and Lard, braid and macerated; to which are added Bramble-tops, Leave of black Poples, Mandagors, Henbane, Nightlinde, Lettice, and Burdock, boild in Roferand

Hendine, regritinace, Lettines, and Danasana, community water, and first ind.

It is much used as a Cooler, in Burns, Scales, and all Sorts of Instammations, and to assume arthritic Palm.

PORR A CEQUES, in Medicine, a Term applied to the Bile, when its Colour's green, approaching that of a Leck.

The Word is form'd from the Latin, Porrum, Leak. 1-21: ..

PORCELAIN, or PURCELAIN, a deli-cate foet of Earthen-Ware, chiefly manufactured in China, and thence, alio, call'd China, or China-Ware; but brought into Europe from other Parts of the East, effe-cially Topen, Stam, Surar, and Perfia. See Portes-

Wart. Scaliger, and Cardon, the generally of contrary Sen-timents, are yet agreed, that what the Romans call'd Fafa Myrribins, which were fifth feen at Rome in Pampey's Triumph, and which afterwards became fo very precious; were the fame with the Porcelain of our Times. See MYRRHINE.

Myrafish E. This may be true: But if the Opinion be only founded on Phiny's Defeription of these Vestels, one would rather take 'm for a kind of precious Stones, of a whith the Color, but variously vein'd and variegated; found in fome

Parts of Perfia.

Parts of Perfile.

Be this as it will, 'tis certain both those Authors are mattaken, when they tell us, that Poreclain is made of Fegand Older Schells bearen finall, and buried under Fegand or Soor 100 Years. The Account we shall here give, will put that out of question.

"Its not known who was the Inventor of Porcelain; the

"Tis not known who was the Inventor of Particulars 3: the Chingh Annals, which are to contain every thing in any wife memorable, are perfectly filent about it; ner do we know much more of the Time of its Inventor. Only, "its certain it must have been before the beginning of the fifth century: The Annals of Foudham relating, that from the faccool Cart of the Reign of the Emprov. "Zom, about the Year of Child Lady, the Workers in Parelam of that Pro-

Year of Chriff 445, the Workers in Perrelain or that Province had alone furnish the Emperore sherowith.

There is Perrelain made in feveral Provinces of China 3 particularly thote of two Kins, Canton, and Kinstechim 3 but that of the last is most effected. Provinces of The Chings call the Percelain Section 2, Polis. The word The Chings call the Chinesian except among a few months of the China 
the curious Reader.

# The Art of making Porcelain, or China-Ware; from a Letter of F. d'Entrecolles, a Jesuit-Millionary in China.

In the Manufacture of Percetain, there are four effectial things to be confidered a via. The Matter it is made of. The Art of forming the Veffich, and other Works. The Colours wherewith it is painted. And, fally, the Baking, or giving it the proper degree of Fire. Each of which will make the Subject of a feveral Article.

# Master, whereof Porcelain, or China-Ware, is made.

There are two kinds of Earths, and as many kinds of Oils or Varniftes used in the Composition of Porcelain. The first Earth, call'd Kaolin, is belief with glittering Cor-The first Earth, call'd Keeline, is believe with gittering Completes; the fector, call'd Parenth, is a plan white, but Southers and Control and Contro

Multi, When the Powder is almost rendered impulpable, they three it in a large Urn full of Water, filtring it twistly about with min in a large Urn full of Water, filtring it twistly about with an Innel instrument. After the Water has relied a little white, they aim off from the Top a white Sub-time form of the thicked four of the Highers? and displied or this Souns or Cream in another Volte of Water. They then filt spain the Water of the Hight Urn water, and the substantial of the High Company of the they key a-fresh under the Mill, for a new Powder,

As to the focced Um, wherein are put the Shimmings of the first, where we well feetled, and become quire clear, they the water is well feetled, and become clear, they the water is the Shimming of the shence, when almost dry, they take it out, and early it one whence, when almost dry, they take it out, and early into whence, when almost dry, they take it out, and early into pages "Perceywhich are what they properly call "Persingal's restoring "cm to be mix'd with the Kastini in the Propor-tion hereafter alligned".

referring can up on max awn the Knolli 1s the Propor-liance Theorem are folly by the hundred, but 'the eyr next These Spanes are folly by the hundred, but 'the eyr next to meet with 'em use fairfy'd: 'The Workmen, who, like which where the control of the control of the control stally subject Revited along with 'mp, then there are fairly obliged to parify' the offerth wid of in 'Preva-dual's principle of the control of the office of the control of the

"infel" without Bones."

The Mountins where the Knelin is dug, are corred The Mountins where the Knelin is dug, are corred to the Mounting of Mounting of the Mounting of 
hard Store whereoff the Petempt's are form'd 5 that which is whether, and whole Schains are the greened, being always in which and whole Schains are the greened, being always. The Manner of recogning the Oil, in thus 1 The Petempt's I being waffel, undergo the fame Peterstation as for making the Squares 5 eccepting that the Matter of the feroad Uris in ser put in March, buttle fined Peter of the Ground Uris in expe put in March, buttle fined Peter of the Cross Uris in the Squares 5 the Matter they call a Mineral Stone call'd Cobeta, refinabling our Alam 1 this Stone is full thated Technologies and ferrors to green the Oil a Confidence of which however, it fill to green the Oil a Confidence of which however, it fill to green the Oil a Confidence of which however, the Oil of the Oil Matter they want to the Oil Matter they of the Oil and the Oil Matter they want to the Oil Matter they want they want to the Oil Matter they want to the Oil Matter they want they want they want to the Oil Matter they want 
be kege lijauld. Lines makes the first begreitetts a for The Gold of the first begreitetts and the first begreitett begreitettett. They first diffabre large Pieces of quick Lines, and reades it to a Power by fightability where on k 1; on this reades it to a Power by fightability where on k 1; on this variety of the falcet'd Lines, and then alternately, till key have got an obstate File which done, they fire fire to the Ferri the whole being cordinately they divide the Afface first which we have been described by the first being have been described by the first as before. And this shey regrest frow of the tense cedifivity, or even more a, the Gib being till the better as 1 the Annalot Fersillow the first large little the present the first large first la

In the Annals of Fesuldam 'tis faid, infeed of Fern they antiently used the Wood of a kind of Medlat-Tree; and that 'twas this gave the antient Porcelains that admirable Hue, which the Moderns cannot come up to for want of that Wood. 'Tis certain, however, the Quality of the Fern and Lime contribute very much to the goodness of the

Oil.

A Quantity of these Ashes of Fern and Lime are now thrown into an Urn full of Water; and to an hundred Pounds of Ashes is added a Pound of Gebea, which distolves therein. The rest being performed after the fame manner as in preparing the Earth of the Parundi's; the Sediment found at the bottom of the feeced Urn, and which is to be kept fleind; in what they call the Oil of which is to ore kept siguins, in what tiney call the Oil of Linic; which the Chingle efforms as the Soul of the former Oil, and which gives the Percelain all its Lutter. This Oil is cally forphilicated by adding Water to increase the Quantity; adding at the fame time proportionably of the fame Chebes to maintain the Conflictence. Ten Mea-fures of Oil of Petantfa utually go to one of Linne. The have the Mixtare juil, the two Oils inhoals, be equally thick.

Manner of forming the Veffels, and other Works of Porcelain.

The first thing is to purify the Persueja and Kastlin: which, for the first, is done after the manner already defiribed in preparing the Squares. For the forcad, saits forties makes it diffulor easily, 'tis fufficient, without breaking it, to plange it in an Urn full of Water in a nopen Basker. The Dregge of the state of the sta

POK.

Dregs that remain are perfeitly utilefs, and are empired done equally, test any Cartiy be found, at it warp. Other control the Work-bonds when equantity is per togenher.

These Work-Bonds when equantity is per togenher.

These work funders are properly with at the Work.

These work funders are properly with at the Work.

These work naders as well as other Buildings for one to the perfect of the perfect

o'er it come to the Painter's Work-House's and above knye'er it be brought to Perfection.

To make a juft Missure of Permis and Kasiin, regard must be had to the Finench of the Porcelains to be made: For the finer Porcelains, they ale equal Quantities; four Parts of Kasiin to fix of Permiss, for moderate ones; and never lefs than one of Kasiin to three of Permiss, for

the coarfest.

The hardest Part of the Work is the Kneading and Tewing the two Earths together; which is done in a kind of large Basons, or Pits, well paved and cemented, wherein the Workmen trample continually with their Feet, re-lieving one another, till the Mais be well mixed, grow hard, and become of the Confiftence required to be used by the Poter.

The Earth, when taken out of the Baions, is kneaded a fecond time, but piece-meal, and with the Hands, on large Slates for the perpois a and on this Preparation, in effect, it is, that the Perfection of the Work depends a the emer, it is, that the refrection of the work depends; the least heterogeneous Body remaining in the Matter, or the least vacuiry that may be found in it, being enough to fpoil the whole. The finallelf Grain of Sand, nay, forme-times a fingle Hair, shall make the Porcelain crack, splin-

tor, run, or warp.

The Parcelain is fashion'd or form'd either with the and Parenam is tallion'd or form'd either with the Wheel, like Earthen-Ware; or in Moulds. See Portugar. Smooth Pieces, at Caps, Urns, Diffices, \$26. are made with the Wheel. 'The rift, is, is fach as are in Relievo, as Figures of Mon, Animals, \$26. are form'd in Moulds, but a first a fact that the chief of the control of the chief of the ch

finish'd with the Chissel.

fmilité with the Chaffel.

The ingue Fieres aur mude at twice; one half of the Fiere is railed on the Wheel by three or fear Workness, who supply it to the other half, which is has been foured in the fine manner; unning the two with \*Poweislan\* Earth, make liquid by adding Water this, and polithing the make liquid by adding Water this, and polithing the Charles of \*Poweislan\* Formal in Meaks, or by the Hand; and the fine Manner is that they join the feveral Powers of \*Poweislan\* formula in Meaks, or by the Hand; and the fine Manner is that they join the feveral Powers of \*Poweislan\* formula in Meaks, or by the Hand; and the supplementary of the formula in the Manner is that the power of the formula in the formula in the power of the formula in the formula in the power of the formula in the formu

respective Figure to the feveral Parts of the Model to be preprietared and which are afterwards suited to form a Model for an entire Figure. The Earth they are made of the model of the model of the model of the model like glaz'd Earth, and when fulficiently mellow, fine, and controlly only being it flourly, they form it into Moulda, according to the Works required, either by Hind, or on the Wherl. The false flowed here for the works of the the Wherl. The false flowed here followed by the first a the Wheel. These Moulds are fold very dear, but last a long time. See MOULD. All the Works made in Moulds are finish'd by the

Att the Works made in Moulas are finished by the Hand, with Ferral Infirmment proper to dig, finooth, polith, and to rouch up the Strokest that cleape the Moulaf of that 'its rather a Work of Sculpture than of Pottery. There are fome Works whereon Relievo's are adder, ready made, as Dragons, Flowers, Gr. Others that have Imperfilmen in Creax y which last are engarvee with a kind of Funcheson. In the general, all 'Perrotain's Works are to of Puncheons. In the general, all Porceisin Works are to be flelter'd from the Cold; their natural Hamidity making 'en liable to break when they dry unequally.

To conceive the Number of Hands each Piece of Porce-

To encoive the Number of Hands each Faces of Pare-tale paties they experted ye well all cloth the Arcial tag paties they experted ye well cloth the Arcial tale paties they experted ye well all the first patients in he fix the Hantser. The Cap begins with the Foter, who has the Managorman of the Wheel, where is exquire in Form, Haight, and Diameter. The Operant has not even fix Caps; a secondingly, they go out of his Hands exceedingly imperfeld, effectively towards the Fors, which with the Child then the Cap is forward by a focus of workman, with the Child then the Cap is recoved by a focus of Workman, has always in each of the Cap is recoved by a focus of Workman, him, and applies is on a Model by thing it to in true Farms. who fits i' on its Bafe. A third takes it immediately from him, and applies it on a Mould to bright it to its rape Form. This Mould is on a kind of Lathe. A fourth Workman polities the Cape with a Chifflet, Topechuly about the transparent; in doing which, he moitiens it from time to transparent; in doing which, he moitiens it from time to temperate the control of the control of the control of the Mould, to from the infinite, a king a deal of Care it be

Workman, by a continual Attention to the fame thing, be-coming very dextrous at it; befides faving the time of changing Inftruments, &c.

Painting of Porculain, and the Colours used therein,

The Chinese Painters, especially those that meddle with human Figures, our Author observes, are all forry Work-men: He adds, that the defect is scarce any where so men: He adds, that the defect is fearce any where for fentible as in the Happie, or Percelair-Peinters, among whom, fetting affect Flowers and Landskips, which are foncetimes tolerable, the greater Mafters are not to be compared to ordinary Apprentices among the Europeans, for the Beany and Justice for Defigo. But it is otherwise with the Colours their Magfer in 6; which are so exceed-ingly lively and berillant, that there is but little hopes our lingly lively and berillant, that there is but little hopes our orkmen should ever come to vye with 'em.

Workmen into a cyce come to vye with 'em.

The Painting Work is diffiributed among a great Number of Workmen, to the fame Laboratory: To one it belongs to form the colone'd Circle about the Edges of the Poreciais; another traces out Flowers, which another paints: This is for Waters, and Mountains alone; that for Burnas.

Figures.

Figures. an experience make of all Colours both with vertices the Commonly, and with the Parison thereon. As we the Colours of Londships, Ex. for those thereon. As we the Colours of Londships, Ex. for those the Colours of the Colours of Londships, Ex. for those the Colours of Longship of the Colours, and the Londship of the Colours, and the Londship of the Colours, and the Colours, and the Colours of the Colours, and the Colours of the Colours, and the Colours, and the Longship of the Colours of the Colours, and the Colours, and the it the fines of twenty four Hours, in a Fornace, where the barrs, they reduce is into an impulgable Founder in Egyes-tating Monras, on examinity, and with Petiles of the Lane Landship of the Colours of the Colours of the Colours of the Colours of the Landship of the Colours o

Matter. For the Red, they use Copperas, which they call Haofan For the Red, they also Copperas, which they call Hasqins a Peand of this they put in a cover'd Cracible, in the Lid whereof is left a little Aperture, thro' which the Matteron occasion may be feen. The Cracible is heart of with a Reverberatory Fire, till the black Smoke coafe to afcend, and a fine red one locreceds it. A Pound of Copperasy yield concern of the Country of red Liquer, which is found at the bottom of the Crucible, the the finest part is that usually adhering to the Lid and the Sides of the Crucible.

the List and the Sidesof the Caucible.

Bendet the natural Whitenels of the Porcelain, which is
fill improved by the Coli wherewith they cover it, they
have an artificial White, ferring for the Grounds of Porcelains of feveral Colours; and made of a transparent Fline
calcined like the Lapis Lazanii, and mixed with pulverized
Cerufus. The Proportion is an Ounce of the latter to half
an Ounce of the termer.

This Powder of Flint is likewife an Ingredient in most

This Fowder of Finn is successed an Ingression in most of the other Colours s. egr. For Green, to three Ounces of Tombuspien, or Scoria of beaten Copper, they use halfan Ounce of Posder of Films, and an Ounce of Cerufe. Fin-let is made by adding a Dose of White to the Green already prepared; the more Green is added, the deeper is the Violet. For Zellow, they are seven added, the deeper is the Violet.

the Violet. For Kellow, they afe feven Drachms of White, and three of the Copperas-Red. Most of these Colours are mixed up with Gum-Water, for Application; a little Saltpetre, iometimes Cerus or Copperas, but more usually Copperas alone, being first distolved in the Water. Indeed for Porcelation than 2000. diffolved in the Water. Indeed for Porcelains that are to be quite red, the Colour is usually applied with Oil 3 i.e. with the common Oil of the Porcelain, or another made

of the white Flints.

of the white Flints.

There is all oanother Red, call'd blown Red, because in reality applied by blowing with a Fipe, one of whole of configers in correct with a very fine Gause. The bettern of this Tube is lightly applied to the Colour whereasth the Gause is finear 4; when, blowing against the George lain, it becomes all fyrink led over with lister Points. This

lasts, it becomes at transited over with little rooms. In Morelain is very rare, and of great Price.

Black Porcelain, which they call Omnian, has likewife in beauty: This Colour has keady Caft, like one Metal-barring Mirrors; and is ufaulty heighten'd with Gold. It is made of three Oances of Lapis Lasauli, with fevenof the common Oil of Store; the that Proportion is varied, as the Colour is defigned to be more or less deep Black is not given the Porcelsis till it be dry, nor must the Work be put to the Fire till the Colour be The Geld is not apply d till after the baking, and is re-baked in a Furnace for the purpole: To apply the Gold, they break and diffolio it in Water at the bottom of a operation, till a thin gilded Cloud strife on the Surface; it in after sith Genn-Water, and to give it a Body, they and three parts of Ceruft to thirty of Gold.

add three parts of Ceruls to thirty of Golden retains, which are in likewise a kind of anythird Parts, which has been considered to the result in the first of the result in the first of the result is which a braches and cust bet Work with a thousand have been constructed, in manner of Möglich Work. The Colour this Coli gives, it is white, forewhat afty: Colour this Coli gives, it is white, forewhat afty: Colour this Coli gives, it is white, forewhat afty: Colour this Colour this Coli gives, it is white, forewhat afty: Colour this Colour thi

"There are feveral other kinds of \*Porcel ain\*; but they are fact as are rather feel arise, whose Colours only appear their tare the Magie \*Porcelain\*, whose Colours only appear their are the Magie \*Porcelain\*, whose Colours only appear their are the Magie \*Porcelain\*, whose Colours only appear their are first of the magnetic through their are made double to the colour are their art and their are made double to the colour are their art are their art are their are their are their art are their are th

The entitle timbine, and all hall our to Compartments; the indice is folding, of colour? Percentains sho the indice is folding, of colour? Percentains sho the Capita fine-entime of Glist, which has a bener: Effect than the change of all Reight, is almost lost by sort. Extracted has familit'd as with the following Account.

I was a supplied to the colour of the colour percentains are applyed on the Indice. When the Calours in ord, may be over a topic of the colours in ord, may be over a topic of the colours in ord, may be over a topic of the colours. When the Calours is off, may be over a topic of the colours in th

which they feem to fwin The feveral Kinds of Porcelains above-mention'd, being The feveral Kinds of \*Percelains\* above-mention'd, being quite painted, with their feveral Colours, and all the Colours dry, are to be polified, to prepare them to receive the Colour Agrafish which is done with a Pencil of very fine Feathers, moiffeed with Water, and pair'd lightly owners the General Colours and Pencil P to take off even the fmalleft Inequal

ver, to take eff oven the Imalieit Incognities.

The Oiling or Farnifying, is the laif Preparation of the Parcelain, before it be carry'd to the Farnace: This apply'd more or lefs thick, and felomene or offerer repeated, according to the Quality of the Work. For thin, fine Parcelaint, the give two very thin Gooches, to others one; but that one equivalent to the other two. There is not playing the Varnafit, but that is the door deal of Art in applying the Varnafit, but that is the door

deal of Arris applying the Vanish, both that it be done orgally, and not in too great quantity. The Conches no site lastice are given by Alperino, i.e. by estings in as much Varish as in successive. The One on the Outside, by launceion, not be the Conchest of the Conchest of particular and the Conchest of the Conchest of continues in a mere Mari, fill the Work has been varished. "The set length fished do not be Whoely and when bellowd, a little Gorie is painted in a sed finement of Chingle Letter. This Patients being day, the Foot is var-suified, and the Work one carryl or not Frances to be affected and the Conchest of the Conchest of particular and 
Daked.

Our carious Author omits nothing 3 not even the Dexterity of the People, who carry the Percelain to the Bale-boadie. He has been frequently furpris, the relist as, no fee a Man pais theo' fereral Streets fall of People, with two very long, narrow Boards, tangd with Percelains on his Blood-ders; fall preferring the Equilibrium to accurately, as not to do any domage to fe fruit Formmelity.

## Manner of Baking Porcelain.

There are two Kinds of Ovens used in baking of Porcelain: There are two Kinds of Uvens 100 in Data 100 of 1997/10011.

Large coses, for Works that are cody by Corner to the Fire Large coses, for Works that are cody to Corner to the Fire controlled to the Corner to the C

in Winter. One of them call'l Lectors, is a very fivong, filliff Earthy, the other Tenton, oily, we can the Sides and Roof of the Orean ser for thick, that so was high the first in a height, which is in form of a Tannol, is a large Appraise to give verse to the Tanna and Smoke, which mount up incellately, as flow as Fire is once for to the Furnace. Befind the principal Aperance, there are fore or for formal costs around which, by being openal and flust, ferre to sagment or distinguish the Here's like the First in the Ore. mits Farnaces, call'd Registers. The Hearth, which takes up the whole Breadth of the Furnace, is placed in Front, precisely against the opening of the Door, and is two or

there foot deep, and two broad; People pailing orei if on a Plank; to go into the Parasse to displie the Pervettion.

As foon as the Fire is labbach, the Dair is wildly us pool ye leaving an Ajerture for the Conveyance of Wood. Laitly, the Bottom of the Orea is covered with Sand, wherein the Control of the Control of the Parasset of the Control of the Control of the Parasset of the Control o

Furnace

Farance.

Each Picce of Percelain of any Note, is disposed, in the
Farance, in its separate Cafe, or Coffin. Indeed, as to TeaDiffus, 85c. the lame Cafe forces for ferrent. The Cafe
are all of the fature Matter with the Farance: They have are all of the fune Matter with the Farance: They have no Likely but force each other menually, the Betterin of a Council Cold fitting late to the Aperture of the first; and that forced Likeling late to the Aperture of the first; and that forced Likeling Likeling and the Aperture of the first of the Aperture of the first of the Aperture of the Aper

F. Entrecelles observes, that the Percelains are put in Cases, to prevent any Dimination of Lustre from the too violent Effect of a naked Fire; adding, that its owing to thefe thick Veils, that the Beauty, or, as he calls it, the Complection of the Porcelains, is not tann'd by the Heat of the Fire.

As full as the Cales are fill'd, a Workman ranges them in the Cavity of the Farnace; forming them into Files or Columns, whereof thole in the middle are at least feven Foot high: The two Cales at the horrors of each Column Foot high: And two causes at the notions of example of the man left empty; because being partly loads in the Sand, the Fire has the left effect on them; and for the farm reason, the uppermed one is left empty. In this manner is the whole Cavity of the Furnace fall'd with Columns, except-

whole Cavity or the turnisc fitty of the Columns, excepting that part precisely under the grand Aperture.

In ranging the Cales, they observe always to place the finelt Piles of Poroclain in the Centre 5, the coarself at Boroms, and those that are high-colour'd, and consist of an mach Petunisa as Kasiin, and wherein the worst Oil is used,

much Peringin Kzelin, and wherein the worth Cili wiel, at the Munit.

The Munit.

The Munit.

The Munit can be presented by the present of the medicing of the present of Early in fact means, as the the Planca View and the present of the Workman's Art lies, and on which the Perceition of the Province of the Present of the Workman's Art lies, and on which the Perceition of the Present of the Present of the Workman's Art lies, and on which the Perceition of the Present a League diffant from Kimtetchim. R'er burnt, they are yellow; and afterwards of a dark red.

yellow; and afterwards of a dark red.
When the Furnace is fill'd, they wall up the Door; only leaving a little Aperator for the throwing in of little
Picces of Wood, a Foot long, but very fixeder, to keep up
the Fire. "Ti then heated, by degrees, for the fixes of a
Day and Night; after which two Men, who relieve one anther, continue to throw in Wood without any interruption, other, contains to throw in Wood without any interroption. To know when the Perestains is baked enough, they open one of the lefter Holes of the Farracc, and with a pair of Tongs take of the Lid of one of the Files. If the Fire appear very brisk and clear, and the Piles qually inflamed, and effectively if the Colours of the Perestains that are uncovered, dart forth a mable Lathre; the Coction is fulfill.

uncovered, dart borth a nuble Latine; the Coction is Islanticont, they differentiate the Fire, and wall up what remind the Fire Door or the Fire Indian and the Indian and I

One thing very furprising, and almost inconceivable, F. Entrecolles observes, is, that there are never found any Ashes on the Hearth of the Furnace; what Quantity of Affice on the Hearth of the Furnice's what Quantity of Wood foever is confum'd. He adds another thing, which with him paffes for equally firance, that the Workmen employ'd about the Furnaces, flake their Thirst, by continually drinking hor Tea, with Salt diffolv'd in it. The Chingf make another Kind of Perestain, which they paint and bake reties 3 and for this feecond Baking they paint and bake reties 3 and for this feecond Baking they have a kind of little Covens on purpole. When very finall, they are made of I one 3 otherwise, of a kind of Jiahad and the country of the Covens of the Cove ly build foar or five of these Furnaces at equal Distances 15 build foar or ave of their rumaces at equal Dilitance from each other. At the bottom of the Shell are Holes to give Air to the Fire when lighted: A-top is an Aper-ture, which they cover up with a piece of the baked Earth, when the Percelains are laid in the Fernace.

when the Percelates are laid in the Pernace.
The Percelates, here, are not incloid in Coffins, as in
the common Futnaces; the Furnace, itleft, ferving that
purpose; and being lo exactly lock, that they receive no
other Impression of the Free, but that of the Heat of the
Charcoal difficult in the Heatth, at the bottom of the Furnace, as well as s-top of the Vaully, at the lost on of the Furnace, as well as s-top of the Vaully, at the lost one of the Furnace, as well as s-top of the Vaully, at the lost one of the Furnace, as well as s-top of the Vaully, at the lost of the Vaully

The Percentage of the Vaully of the Vau

To prepare the Percelains for a fecond Baking, they aff have had their Varnish in the common manner, and have pass'd the great Furnace: In this State they are nave passed the great Furnace: in this State they are painted with various Colours, after which, without gi-ving them any new Varnish, they are rang'd in Piles in the little Furnace; setting the little ones over the larger, in

form of Pyrami This fecond Baking is fometimes intended to preferve I his iceona Basing is immerimes meaned to preserve the Luftre of the Colours the better, and at the farme time to give them a kind of Relieve. But more usually, its Defign is to hide defective Places, by covering them over with Colours: But the Artifice is easily found out, by paf-

with Colours: Eut the Artissee is cashy tound out, by par-fing the Hand over thom.

When the Workman judges his Percelaius enough baked, he takes off the Piece that covers the Aperture; and if the Works appear glittering, and the Colours glowing, he takes out the Charcaeli 3 and when the Parsocal is cold, the Per-

celain too. How beautiful foever the modern Porcolain may be; How heariful forer the modern Particulum may be; the Tacle for Annique, which region in Glient, as used as in Europe, gives the antient Paresisins Value for above that of the modern I tend the outpel, the the tendence of the modern I tend the outpel, the Baking, and the control of the control of the tendence of the t

The control was a few means in mean month. Earth, found that grittenine in the first and the state of the first part of the Posefit, except that they are made thicker, and that they are varifulf with a foll drawe from the vollow Stone, mixed with the common Oil, which gives the control with the control oil with the control oil with the control oil with the control with the control oil wi

in this, that they do not refound when flrack, nor even give the test has, when hed to the Ear. Nowwithhanding the vatt Quantity of Petresians made in almost all the Provinces of the Empirics of Chiesa type. The Ching's Aunalia tell us of Times wherin a single Unroot micry or an handred Cowns on the fips. What thickly occasions the extraordinary Price of this Commodity, efficiently in Europe's, in belief the great Profits of the Meximum in Europe, and their Farlows in China; what is a rearry happens is Farmed Googstef throughput; that it is rarely happens a Farnace fuccaced: throughout; that it is frequently quite foolt, fo that apon opening it, in lieu of fine Forcelains, is found a hard unform'd Mafs, into which both the Forcelains, and their Colfies, are converted either by Excels of Heat, or form ill Qualities in the Matter. Another reafon of the Dearnetic of Forcelains, is, that the

Ingredients it is made of, and the Wood wherewith it is Ingredients it is made of, and the Wood wherewith it is beart, grow more and more factor: One may add a bird reason for the excessive Price of Porcelains to the Europeans; and its this, that most of those some together are form'd on new Models, frequently very odd, and difficult resucced in a which, yet, for the smallest Defects, are turn'd on the Manastathurer's hands; and he not being able to difpose of them to the Chinese, because not to their

e, nor for their Ufe, Is forc'd to charge the Porcelain he delivers, the higher, to pay himfelf for those refus'd.

The French have been these fifteen Years attempting to The French have been facile fifteen Xura steemping a mintare Foreslist. The first Rating mode at Riema, as faid to have facecocked obserbly well; and the singuigation of the first Rating and the Rating was softing to make them of equal Value with the Chaffey, has to be baugaft for each Foresli Foresling was anothing to make them of equal Value with the Chaffey, has the baugaft for each of the Matter, Chaffey, has the baugaft for each of the Matter, Define, and the Latter of the Chatra, at least the Blausty and Form of the Veffict, the Exactined of the Define, and the Latter of the Chatra, at least the Blausty and Form of the Veffict, the Cascaling of the Chaffey and the Chaffey of the Ch

found along with the Sponges; and current in foveral Para of Afia, Africa; and America, by way of Money. See

Authors have hitherto been of opinion, that these Shells were the Matter whereof the Porcelain, or China-Ware, was made. They are of some use in Medicine, and are preferibed poended or broken, in manner of Pearls. See

PORCH, a kind of Veffible supported by Columns; much used at the Entrance of the antient Churches, Temples, &c. See Vestible.

In the antient Architecture, Porch was a Veftible, or a Difposition of insulated Columns, usually crown'd with a Peditment, forming a Covert Place before the principal Door

a Temple or Palace. When it had four Columns in Front, it was call'd a Tetraffyle; when fix, Exaffyle; when eight, Offoffyle; when

n, Decessiyle, Go. Virruveus calls it Proness and Prodomes. When it has Iron Gates, it is call'd Propyleum.

NOW DATES, ILIS CAIL OF Propylemm.

PORE, a little Interlifes, between the Particles of Matter which conflirure Bodies; either empty, or fill'd with fome infentible Medium. See Body and MATTER.

Condectation, and Ratefation, are only performed by cloting and opening the Ports. See RAREFACTION and COMMINGS OF COMMINGS CONDENSATION.

The Transparency of Bodies is usually supposed to arise from their Pores being directly opposite to one another, See TRANSPARENCY.

Sec Thankmanner.

The Matter of infinishe Peripriation is conceyd throw
the Parts of the Carit. See Pana manyroo.

the Parts of the Carit. See Pana manyroo.

The Matter of the Carit. See Pana manyroo.

Approx.

The Matter of the Carit. See Pana manyroo.

The Matter of Matter of the 
concuners, that Gold nath more revers than folial Partie; and by confidence that Water hath above furty times more Pewes than Parts. See Gold.

The Magnet trunfinite its Virtues without any Diminusion or Alteration, the "all cold Bodies that are not magnetic; as Gold, Silver, Brafs, Glafs, Water, &c. See Maca-

NAT.

The Rays of Light, let them be either Bodies actually coming to us from the Sun, or only Motions or Imprefixed upon the Medium, move in right Lines, and are hardly ever, uslefs by great chance, reflected back again in the fame right Line, after their Impigence upon Objects; and yet we fee that Light is tradititted to the greatest of the property of the prope Sec RAY, &c.

Now how Bodies should have Pores sufficient for these Now how beenes mount have For's little and to the Effects, may be difficult to conceive, but not impossible a For Sir Ifiase shews, that the Colours of all Badies arife from their Particles being of such a determinate Size or Magnitude. Wherefore, if we conceive those Particles to Magnitude. Wherefore, if we conceive those Particles to be so dispos'd, as that there is as much Poresity, as there is be fo difjord, at that there is as much Proffig, at there is of Matray and in like momen their Funcies to be converted as the converted vacainy or Space, at their Quantity of Matray and to on, all we come to failed Particles with our Profs: ben, if in any Body there be (for inflance) the foliation of the profs of the profs of the profs of the failed with the foliation of the fors; that Body will have foren time as much Yacsiny as folid Matrar. If four fact Degrees, and the last be leafly, and folid, the Body will have foren as mach Yacsiny as folid Matrar.

'Yacaity, as folid Matter.
And perhapie in the wonderful Conformation and Fabrick
of natural Bodies, there may be other Proportions of Space
for the property of the property

ge. See Curus and Perapirations.

The Forst see most remarkable in the Hands and Feet:
By viewing the Palm of the Hand with a moderate Glafs, attending the Well, we perceive insumerable little Ridges, of ceptal Size and Dittace, running parallel to the General Size and Dittace, running parallel to the Control of the Parallel Size of Control Size with the Size of the Parallel Size of Size of the Size of 
risugles and Elliptes.
On these Ridges stand the Pores, in even Rows, big cough to be feen by a good Eye without a Glaf; but with one, every Fore looks like a little Fountain; and the Sweat may be feen to fland therein, clear as Rock-Water; and as often as it is wiped off, fprings up again. See

The Pares are plac'd on the Ridges, not in the Furrows between them; that they might be left liable to be flopped by Compression: For the same reason, the Pares of the stands and Peet are larger than the reft; shofe Pares being more used and press of than the reft; and hence a resistance and press of the pares being more used and press of them reft; and hence a resistance are places and pares.

being meer steld and prefet than the rent; me, many, give, there are no Midge on other Fare.

Their Peter see a very coverient Out-let for the more mount from the Blood, which by the continual Use of the Midge of nofutral Wer, and Cold, fo obtireded the Forts of his Skin, that little or outhing exhaled from his Rody, as ap-per'd bence, that the Shirt he had wore five or fix Weeks, was then as white as if it had only been wore one Day, In the mean while, a Water was collected under the Skin, whereof he was efferwards energy. Theorem, or Proposition, fo adily demonstrated, that it is a limital felerothem. See easily demonstrated, that it is a limital felerothem.

AXIOM. Such, e.gr. is this, That a Chord is wholly within the

On the contrary, an Aperima, is a Proposition fo diffi-cult, as to be almost impossible to be demonstrated; as the Quadrature of the Circle is now, and as the Squaring of any affign'd Portion of Hippocrates's Lunes furmerly

The Porima coincides nearly with the Lemma, or Af-imption. See LEMMA. The Word is form'd from the Greek myou?, a Thing easy to conceive; and which opens the way to fomething more difficult.

more difficult.

FÜRISMA, in Mahmantida, a gateta Theorem, or
FÜRISMA, in Mahmantida, a gateta Theorem, or
FÜRISMA, in Mahmantida, in mahmant

PORPHYRY, in Natural Hiftery, &c. a precious Kind of Marble, of a brownith red Colour; frequently interfered with white Stains; antiently brought from Egypt, and exceeding all others in Hardners. See Marble.

The Art of cutting Porphyry, practis' d among the Anticers, is loft. In effect, the hard to conceive what kind of Tools they must have used for the fashioning of these

of Tools they must have safed for the following of their high Columns, and other Perform Versit sear of foom of the unique Buildings in Riem Pecce, now remaining to-tine, in a Tomb of Configuration, Doughter of the Emprese Collection, in the Charles of S. O. defeat without the Willia Perron Performance of the Configuration of the Configura-tion of the Configuration of the Configuration of the Williams, and the Buildings of the Configuration of the Williams, And the State of the Configuration of the Williams, and the Buildings of the Williams, Source of the author Erces appear to have been wought with the Chiffel, others with the Saw, others with Wheels, Tools will final the Opping with the Chiffel of the Williams of the Wi

Tools will scarce touch Porphyry: either the Antients,

these as much Posofty as Solidity: If five facth Degrees, it therefore, had the Secret of tempering Steel better than will have thirty-one times as much Space as Solidity: And we's or, as form incline to think, they had the het of Vegory, as follow there to think, they had the het of Vegory, as follow there is the support of the Vegory.

therefore, had the Secret of tempering Steel bears than wen's or, as four entiem to think, they had the Art of forfecting the Perfeyty: The, 'this more probable, that The Committee of the Perfeyty: The, 'this more probable, that The Perfeyt of the Perfeyt of the Perfeyt of the Northman at Rease employed in the cutting of Perfeyt of Workman at Rease employed in the cutting of Perfeyt of Workman at Rease employed in the cutting of Perfeyt of Martin Stephen (Perfey Columns still recruising (for the Perfeyt) Columns still recruising the Perfeyt Columns still recruising (for the Perfeyt) Columns still recruising (for the Per Water, they rub and wear, with infinite patience. See E-MERY.

At hare may excellent Perfons enhersoned to service the satiest arts, particularly Low Signific Allower; so he four-high for the secretary temper, its, he found Goan here the service and the secretary temper, its, he found Goan working with Gary yet even that such do brillent, for its many the secretary temper, and the secretary temper to the Stone. By much more plentfully, than Picce of the Stone. By much brook for Secretary temper, and the secretary temperature of the Stone. By much brook for the Secretary temperature of the Stone. By much brook for the Secretary temperature of the Secre Yet have many excellent Perfons endeavour'd to retrieve

Works of the Autients : But the Secret feems to have died The French bave lately found another Method of cut-The French have lately found another Buenoel of cut-ting Forphyry, viez. with an Iron Saw without Teeth, and Gree, or a kind of Free-Stone pulveris'd, and Water. The Authors of this Invention pretend, they could form the whole Contour of a Column hereby; had they blatter to

PORPHYRIANS, a Name given to the Arians, in the ourth Century; by Authority of Conflantine. See ARI-

That Prince publishing an Edick against Arius and his Writings, declare, That as Arius has imitated Perspays in composing Books against Religion, he deferres to be used with his Infamys and that as Parphyry is become the Reproach of Positrity, and his Writings (appeted 4) he wills, that Arius and his Followers be called Perspays. rians, &cc.

The Propriety of the Name feems to coulift in this, that the Ariam endeavour'd to reftore Idolatry: For in faying the Ariani endeavour'd to relitore Idoratry: For in aying that the Son, whom they call I begotten God, is a Creature; they put a Creature in the Rank of God: And only differ from the Heathens in this, that the one give the Quality of God to one Creature, the other to a great

PORPHYROGENETES, in Antiquity, a Name given the Children of the Eastern Emperors; implying, born in the Purple.

the Purple.

Coderous will have the Word to figuily born in the Dalead of Purplyry, a Palace fo call? in Confidentiation, for law of Purplyry, a Palace fo call? in Confidentiation, for the Purple of Purple of Purple of Purple of Purple of Purple was deep Terror, lithop of Full Purple of Purple of Purple of Purple XIIth Contury, for admitting a Physical Dillinelline, be-tween God and his Artiriputes of ya, Matefpan figs, for having wrote too carboully on the Subject of the Trinity; a control of Purple of Purp withal.

However, he gave occasion for those Suspisions, by maintaining that this Proposition, Drus of boutes, is not true; unlets reduced to this, Drus of boutes, is not rear some Passages moved by St. Bornard, who wrote warmly against him, wherein he stems or admit a real Drinchion between the Nature of God, and his Attributes.

The Porretans are fet in opposition to the Nominals. See

PORRIDGE, of Perresu, French, of Perrum, Letin, a Leck or Herb frequently put in Broth; a liquid Food of Herbs, Flesh, &c.

PORT, or Hoven, a commodious Place fituate on the Sea-Coast, or at the Mouth of a River, with depth of Water fufficient for Ships of Burthen, and convenient Bottom for Junction for Surge of tourines, and convenient notions not Anchorages where Velfels it loby, to load or unload fercen'd from the Wind, and fafe from any Enterprise of Entmines; either by the diffipothion of the Place, or by means of a Mole, a Dike, or the like, with a Chain and Light-Houfe. Parties are chief Natural or Artificial.

Natural are those which Providence feems to have form \( \), for the Communication of Commerce.

torm of, for the Communication of Commerce.

Artificial Powrs are those form'd with Moles or Projectures into the Sea. See Mor.E.

The Bright Coalls are exceedingly thin of Ports. France
has the Advantage of all other Countries in the Number

and Excellence of Ports; that of Breff is the finest natural Port in the World, as that of Dunkirk was lately the ongest artificial onc.

Powrs de Barre are fuch as can only be enter'd with the Title 3 at that of Gos. Chef Pert is rethor within the Body of a City 3 as those of Rhedes, of Venice, Amsterdam, Rochel, Bayonne, and St. John & Luc.
Free Poar, in Commerce, a Port open and free for Merchants of all Nations to load and unload their Vessels.

without paying any Daties or Cuttoms. See FREE

and Dury. Such is the Port of Genes. The Emperor, fince his being in poffession of the States in Italy, formerly be-longing to Spain, has seem'd determined to establish a I'res-Port in fome of the Cities he possession the Adriatio

oces.

Marfilles was declared a Free Port by an Edict of

Lanis XIV. bearing Date 3 March, 1669.

Free Port is also used for a total Exemption, and Franchife, which any Sett of Merchants enjoy, for Goods imported into a State, or those of the Growth of the Country, exported.

Such was the Privilege the English enjoy'd for feveral Yeare after their Difcovery of the Port of Archangel 3 and which was taken from 'em on account of the Regiride Pont is also used for the Burthen of a Ship. See Bun-

The Capacity of a Veffel is estimated in Tuns 5 each whereof may contain about two thousand Pounds Weight of Sca-Water. When, then, we say a Vessel is of the Port or Burthen of a thousand Tune ; it is not meant, Perr or Morthen of a thousand 'lans it is not meant, as fome imagine, that it bears fo many Casks fall of Merchandize; but that the Sea-Water, which would be contained in the Space which the Capacity of the Veffel poffedies in the Sea, weights a thouland 'Tuns fill'd therewish, which at the rate of acco Pounds each, is as much as to fay,

is bears a Burthen of two Millions Weight.

Poar is also used for the Court of the Grand Seignor, or Emperor of the Turks.

Pon r is also used for a strong Wine brought from Oper. or Port a-port in Portugal; whence its Name. S PORT of the Voice, in Music, the Faculty and Habi-tade of making the Shakes, Passages, and Diminutions 3 wherein the Beauty of a Song, or piece of Music consists,

which the Italians comprehend under the Trilli, Gioppi, Strafcini Yritis, Gioppi, streeturi.

Bacilit calls Peri of the Voice, the translating or passing
of a lower to a higher Note. It consists in three things:
The lower Note, which is to be suffained at the doubling
made on the higher Note, and the fultishing of that fame
Note after it has been doubled. Some call it Anticipa-

PORT, among Sailors, the Larboard, or left Side of the Ship. Sec Lassoard. To Fort the Heim, is to put the Helm on the left Side the Ship. Sec Helm.

the Ship. See Helm.
PORT GREVE, was antiently the principal Magistrate in feveral Maritime Towns; thus called from the Saxon, Port, City; and Greve, a Collector of Rents in divers Lordships at this day. Cambden observes, that the chief Magistrate of London was

antiently call'd Port-greee 3 instead of whom, Richard I. ordained two Bailins 3 and foon afterwards King Jahn granted them a Mayor for their yearly Magistrate. See

MANYON.

The Charter of William the Computor to the City of London can thus: "William King, great William Sinhep, and Gadipy Theory Proceedings of the Computor of the Computo

whereof it is differnitated. See Vers and Liven.
The Form Feat is form of of two large Veins is the Mefenteric and Splettie; which are again form'd of feveral
other minater Veins coming from the Stomach, Inteflines,
Splene, Epiploon, U.S., See Weierstrain and Splene, Epiploon,
The Abienta gave it the Name Perts, as implying it
to bring the Chyle, by its Melenetic Beauch, from the Intellines to the Liver's but from of the Moderns have found another use for it.

It is remarkable of the Ports, that, after the manner of the Arteries, it shoots itself from a Trank into Branches, and being at last lost in Capillaries, it delivers the Blood

the Heart. See CAVA. The Ports is formed out of the concurrence of divers The Ports is termed out of the concurrence of direct Veins, which, meeting together, make one of the most confidentible Venous Trunks of the Body, as to its Balk; tho', contrary to the Coaste of other Veins, it runs not far in a Trunk, but is, as before observed, from distributed again, by Ramifections, into the Liver. This Vein is vulgarly divided into Branches existence the

Liver, and Brancher critishin, and a Franchistac science to But this Division is not very clear, the Branches, as they are call'd, without the Liver, not being fo properly Branches as Roote; which have, by Anatomitts, been dignifyd with diffined Names from the Parts whence they come The Veins which conspire towards the Formation of this

The Veise which conjuire rowards the Fermanion of this Trunk, which having been definited in their proper Flazes, or being to be definited there, we full not beer enlarge from the definited there, we full not beer enlarge from the definited there are the second of the definition of the definition of the definition of the definition of definition of the definition of definition derive, which goes not the Tunk; the Gifficial major, and minus Smither from the Stomach, (of which major, and minus Smither from the Stomach, (of which major, and minus Smither from the Stomach, (of which major, and minus Smither from the Stomach, (of which major, and minus Smither from the Stomach, (of which major, and minus Smither from the Stomach, (of which major fro the major is retried out of the Expensive Ventricult;) the Epiplots finithms, and Policia from the Omentum; the Vas, or Vaja brevia from the Stomach; the Splenica from the Spleen: All which join to form the left, or Splenic Branch of the Porta.

Branch of the Yotta.
The right, or Mejonteric Branch, confifts of the Gaffrica and Epiplaica destra, from the Stomach and Omentum; the Disodens from the Daodensm and Jejunum; the Hamarrhouddit interns from the Intellinum Rectum and

marrhusalis interns from the Mefentery.

Colon; the Mefersics from the Mefentery.

By means of all thefe Veffels, the Parts receives the Blood from most of the Vicera of the Abdomen; and after the coalescence of its Branches, enters the Liver in a Trunk; immediately under the Surface whereof, having first form'd a kind of a Sinus, it is divided into two principal Branches, and those again into five, which featter in-numerable Ramifications thro' the whole Substance of the

The true Use of this Vein, hitherto unknown, Dr. Keil thinks be has discover'd. And 'tis this: The Bile, says he, being to be mix'd with the Chyle, as it comes out of the Stomach into the Duodenum, could no where be to conveniently secerned from the Blood as where the Liver is placed. But if all the Branches of the Caliac Artery carried all the Blood to the Liver from which the Gall was to be feparated 3 'tis evident, confidering the Nearness of the Liver to the Heart, and the intestine Motion of the Blood, that so visid a Secretion as the Gall is, could never have beenformed. See GALL.

beenformed. See UALL.

Nature, therefore, is forced to alter her conflant Method of fending the Blood to all Parts of the Body by Artesites. She bere forms a Vein, by which file fends the Blood from the Branches of the Metenteric and Cooline Arteries to the Liver.

By this means the Blood is brought a great way about e'er it arrive at the Liver; to that its Celerity being diminified, all the Corpucles that are to form, may have time to atract one another, and anite c'er they come to their fecerning Veffel. Ket's Anim. Secret. p. 36, &c. Sec SECRETION

Sucretion.

PORTABLE, fomething cafy of Carriage.

Books in 12° are valued for their being Portable; a safily put in the Pocket. This Machine is the better, as being Portable. Armies carry with 'em Portable Bridges, Per-

sable Mills, Boats, Ovens, Forges, 55c.

PORTABLE Barometer, a Barometer to contrived as that it may be carried from Place to Place without being difordered. See Barometers.

A Portable Barometer was an extraordinary thing a little while ago: At prefent the common Barometers are Pertable; being so made as that the Mercary may be ferew'd quite up to the seal'd end of the Tabe; by which means it is fecured from fwagging, and to endangering the breaking of the Tabe. A Contrivance for which we

the oreaxing of the Tube. A Contrivance for which we are indebted to Mr. Patrick.

PORTAL, in Architecture, a Term used for a little square Corner of a Room, out off from the rest of the Room, by the Wainstot; frequent in the antient Buildings, but now distract.

The Word feams a Diminutive of the French, Part, Door, Gate ; it being thro' this that they enter'd into the

PORTAL is fometimes also used for a little Gate, Per-tella; where there are two Gates of a different bigness. See

The Word fometimes also stands for a kind of Arch of Joiner's Work, before a Door.

PORTAIL, in Architecture, the Face or Frontifpiece of a Church, view'd on the fide wherein is the great Door.

Portail is also used for the great Door itself of a Palace, PORTATE, in Heraldry, a Croft-Portate is a Croft which dues not fland upright, as Croftes generally do; but lies athwart the Efcutcheon, in Bend, as if it were carry'd

on a Man's Shoulder. See Caoss.

Colombiers tells us, it is by fome call'd Portie, that is, carried; because when our Saviour went to fuffer Death,

cerried; because when our Savour went to futher Death, he was obliged to carry his Crofs, which is always thus repreferred floping, and inclin'd after this manner. PORTCULLICE, Herfe, or Saracine, in Fortification, an Affemblage of feveral great Pieces of Wood hidd, or joined a-crofs one another, like an Harrow; and at the

joined a-crois coe another, like an Harrow; and at the bottom pointed at the end of each Bar with Iron. Thete formerly used to hang over the Gate-ways of fariffyd Places, to be ready to let down in cafe of a Ser-prize, when the Ecomy Heald come so soon, as that there

wasset time to flattup the Gattes.

Battoow a days the Orgues are more generally used, as being faund much better. See One on us.

FORT-Dies, among the French, is a Parish-Priest, whose Besinesis is or early the Visiticum, or Sacrament, to

PORT Reyal, a Term that makes a confiderable Figure in the Republic of Learning. Its Origin is this:

Philip Angulus wandering from his Company in Huot-Philip Angulus wandering from his Company in Hunling near Chevrale, Weithwards of Paris, found a little Chappel, where he part up, expecting from of his Attendants might meet him. This happening secondingly, he gave the Place the Name of the King's Part, Part du Rei, or Fart Regal's and to give thanks for his Deliverance, refolved to excel a Monathery there.

Odo, Bifhop of Paris, appeized of his Intention, pre-vented him; and, with the concurrence of Mathida, Wife of Matth. Mantmorenci, first Lord of Marly, built a Nunder the Juridiction of the General of that Order till the

der the Juridaction of the General of that General the Year 16273 when they were ennoved to a Houfe given 'em in the Entenburg St. Jacques at Pari's. In 1647, they quitted the Hobir of Ciffereiaus, and em-braced the Inflimation of the perpetual Adoration of the Sa-cracuest. In 1647, the Archibifton of Pari's allowed 'em to remand tome of their Religious to their former Abbey,

and to re-clabilith the fame.

Some time after, the Formulary of Alexander VII, being appointed to be fableribed throughout the Kingdom's the Religious of Part Reyal in the City ingrid it; their fame of the Religious of Part Reyal in the City ingrid it; their fame of the City ingrid it; their fame of the City ingrid it; with great Rethilition.

Still perfiding in the Time Securious, the King finding no way to reduce 'em but by differing em; shat wes exceeded in 170%, and the Kerenous green to the other their fame of the city of and to re-citablish the fame

Monaflery.

Monattery. Upon this Evacuation, feveral Ecclefiaffice, and others, who had the like Sentiments with regard to the Subfrictions as the Religious 7 retir'd to Fort Reyst, and had faparaments there 5 and there published feveral Books both on the Company of the Professional Company of the Sabject of this Differe, and other Topics 3 whence all who adhered to that Parry, took the Name of Pert Roya-lifts, and their Books, Books of Pert Royal.

Hence we fay the Writers of Port Royal, Mcflicuts de Port Royal, the Translations of Port Royal, the Greek and Latin Methods of Port Royal, which are Grammars of

that I FORT-GLAIVE, q.d. Sword Bearer, an Order of Knights in Poland, call'd by the Latins Enfferi. See KNIGHT.

NINGHT.

It was confirm'd by Pope Innecest III. and by him fent into Livenia to defend the Preachers of the Golpelagainst the landle's arthe first Conversion of that Country. Being too work to effect that Business, they united themselves with the Testionic, or Marians Knights, by the Pope's Authority and inlead of Knights of the Country was restricted.

therity; and inflead of Knights of the Sword, were call'd Knights of the Crofs. They separated again in the time of Univus, their Great

Mafter, after, Anno 1541. The Teutonic Knights being then disposses of Pruffia, and the Fort-glaives going into Lattler's Opinions, found the Fort-glaives going into Lattler's Opinions, found did did away; for in the Year 1577, they fell out with the Bifthop of Riga, of the House of Brankenburgh, because he would not embrace their Notions; and he, to fearch in own Estate, put Rigs into the hands of the Following.

Afterwards, the Knights having most of Livonia taken attenuates, the roughts naving their of Livenia taken from them by the Majkewitz, they put themfolives under the Protection of Sigilmand Angellus, King of Poland, An. 1559 he Williams of Farfandeury, their Great Mafter, being bettery'd by his own Intercenties into the hands of the Mallounies Cacherd his Consoling following the Farmal Deing betray d by his own mercences into the hands of the Multionier, Gorbard his Succeffor, following the Example of Albert, the Great Mather of Fruffs, transacted with the aforefaid Sigitment for the whole Eline, which he furrender'd to his own afe in the Cafile of Riga, together

with his Crofs, the Seal of the Order, the Charters and Grauts of the feveral Popes and Emperors, which con-cerned the fame 3 as also the Keys of the City and Castie of Rigg, the Office of Great Master, the Rights of Coinage, and all the Powers and Privileges appertaining to it; re-ceiving back again from Ratfiell, the king's Commifficate, the Dukedom of Courland to him and his Heirs for ever.

PORT-FIRE, a Paper-Tube; about ten Inches long, fill'd with a Composition of Meal-Powder, Salphur; and Saltperre, ramm'd moderately hard; ufed to fire Guns and Mortars infteed of Match. See March.

and Mortars initied of March. See MARCH.
PORT-MANTEAU, a piece of Joint's Work, faften'd
to the Wall, in a Wardrobe, Armory, &c. proper for the
hauging and Clocks, Hats, &c.

Fort-montess is also used for a Clock-Beg, of Clock,

Williams the Clock and once Makiti.

Leather, or the like, wherein the Cloak and other Habili-ments of Travellers are difpoled, and laid on the Horfe's

Port-manteau is also on Officer under the King of France, whereof there are twelve: Their Businesis to keep the King's Hat, Gloves, Cone, Sword, Ge. to take 'em from him, and to bring 'em to him again when wan-

The Dauphin has also his Port-manteau. Answerable to these are the Cardinal's Cauditaries, or Tail-Bearers.
The Ramiß Bishops have their Port Craix, Port Mitres,

Sec. 2007. T. F. N. T. in an Organ. in a worder, Figs., well chard, which ferve to enew yet with forom the Bellows to the Sound-Beard of the Organ. Sec On-as, The FORT-CRAINON, a Testif-Sel's an Instrument ferving to minde a Passell, and to ferve both sa. I Handle T. T. in facility have refer believed by the Sel's and Sel's

whereon are drawn the S. ctor-Lines: Its infide, round ; femetimes it is made round or cylindrical both withoutfide end within, and has its length divided into Inches and parts of Inches

PORT-LAST, in a Ship, the Gun-wale. Hence when Yard is down on the Deck, they fay, the Yard is down a Port-lafe

PORTMANNIMOTE, in old Records, the Portmen's held in any City or Town

PORT-Ropes, in a Ship, those which serve to haul up the Ports of the Ordnsuce. PORT-Sale, Ann. 35 Hen. 8. cap. y. is the Sale of Fish prefently upon its Arrival in the Port or Haven. See

PORT-NAIN.
PORT-Nails, in a Ship, fuch as are used to fasten the
Hinges to the Posts. See NAIL.
PORT-Holes, in a Ship, are the Embrasarce, or Holes in
the fides of the Veffel, thre' which the Muzzles of the Canmons are put. Sea Essa Asurus.
Large Ships have three Hows of Post-Holes, or Batteries 3

ich ufually confifting of fifreen Port-Holes In Storms, they use to thut up the Port-Holes, to prevent the Water's driving thro' them.

the Waters driving thro mean. In English, Dutch, and French Ships, their Vulves or Casements are sasten'd a top of the Aperture; in Spanish Veffels a-fide of 'em

Veffels a follo o' tun.

FORTER, in the Great of Juffece, is an Officer that
carries a Verge, or white Rob befere the Juffice in Egyrs;
for Gall'A phratured Virgum. See Vestmont Husfe, is a
necessary Officer belonging to that Husfe, is a
necessary Officer belonging to that Husfe, our site onjons the Privileges accordingly. Crossly Surjid.

FORTICO, in Article Comparis of the Article Surject of
the Control of the Control of the Article Surject of
the Control of the Control of the Article Surject of
the Control of the Control

PIAZZA.

PLAZZA.

The Roof is usually vaulted, fometimes flat. The Antients call'd it Lacumar. See LACUNAR.

The 'the Word Portice be derived from Ports, Gate, Doors, yet is it apply'd to any dipolition of Columns which the Column State of the Columns which we have the production of the Portice of t form a Gallery; without any immediate relation to Doors, or Gates

The most celebrated Portico's of Antiquity were those of Solomon's Temple, which form'd the Atrium, and encompassed the Sanctuary: That of Athens, built for the People pafré the Saudhury; That of African, built for the People of other themellesse in a saud wherein the Philosophers held beite Difference and Converdations; which occusing it the Difference and Converdations; which occusing it the Difference of the People of the People of the People of the Difference of the People of the People of the People of the format Supporting a Plan-Form of vail Execute: a Defigu whereof, Serlis gives us in his Austine Buildings, Among the modern Petrick's the most celebrated in

whereon, arruo gives us in his Antique Buildings.

Among the modern Partico's, the most eclebrated is
the Pinzas of St. Peter of the Vaticas. That of Geometra
Garden, London, the Work of Inigo Jenes, is also much
admired.

FORT-Men, the twelve Eurgeffes of Ipfwich are thus call'd in the Stat. 13 Eliz. Cambden adds, that the Name was common to the Inhabitants of all the Cinque-Ports.

See QuINQUE Portui. PORTMOTE, fignifics a Court kept in Port or Haven Towns; as Swain-More in the Forest. It is call'd the Portmore Cours. See Foat and Cours.

Portmores are also held in some Inland-Towns; as at Knolft in Chefbire.

The Word is form'd from the Saxon, Porte, Port, and

A ne. Work is form of from the Sakon, Porre, Port, and Gross, Coswestint, Meeting.

PORT-SOKA, the Saburbs of a City, or a Place within the Liberties and Jarifdidion thereof.

The Word is form of from the Sakon, Port, City 5 and

Conceffi qued nullus de Civitate, vel Port-Soka, Jurisdiction. Concesse qued nullus de Ci Soka sua capeus, &c. Sommer's Gavelkind.

Soka fize captus, Scc. Samuer's Georgiana.

FORTIO Darra, and Mells, in Ananomy, a Partition
of the fifth Pair of Nerves of the Brain; which, before its
egrefs out of the Dura Mater is apparently divided into
two Branches; the one pretty tough and firm, call'd
Portic Dura; the other foft and lax, call'd Portic Mol-

Sec NERVE.

PORTIO, Portion, a Part, or Division of any thing-FORTIO, 20071000, a Part, or Division of any image. See Part and Division.

Portion, in the Canon-Law, is that Allowance, or Proportion, which a Vicar ordinarily has ont of a Rectory or Impropriation, be it certain, or uncertain. See Vican and

PORTIONER. Where a Parforage is ferved fometimes PORTIONER. Where a Parionage is served comenting by two, forestimes by three Ministers, alternately; as Browspard, Burford, &c. in Strongliste; the Vicars or Incumbents are call'd Persissers; a because they have but their Persion, or Proportion of Tythes, or Profits of the

Living.
FORTLAND. Sone, fee STONE.
FORTRAIT, or PORTRAITURE, in Painting, the
Repreferation of a Perfon, and especially a Face, done
from the Life. See PAINTIME.
In this finde we fay, Partrait-Painting, in opposition
to Hillory-Painting, where all Resemblance of Person is

difregarded.

Guergardoc.

Pottraits are dually painted in Oil-Colours, foractimes in Water 5 foractimes in Ministure, with Crayons, Pens, Parilels, E.G. See Limming, Ministature, E.G. It was field of a great Painter, who never fucceded in the Likechef, (Sie Pettr Lely, if we mittake not) that he made a great many fine Pictures, but all poor Pettraits.

mane a great many not returnes, but all poor Paymans. PORUS Biliarius, Biliary Pere, or Hiphatic Duck, in Anatomy, a Duck, which, with the Cytlic, or Choleidie, forms the common Canal of the Bile. See Bile. Felliphius was midiaken in imagining that the Payus Bilarius carried the Bile into the Gall-Bladder. Its Office is

metus currice the Este into the Gall-Bladder. Its Office is to convey it into the Intellines, by the Dullui Community for in blowing into it, that Intelline is found to fwell. See Billary and Ductres Communit.

BILLARY and DUCTES Communit.

Bilany and Ducrus Communit.

POSE, in Heraldry, denotes a Lion, Horfe, or other Beaft flanding fill, with all four Feet on the Ground; to denote thereby that it is not in a moving Folius.

POSITION, in Physics, Site, or Situation; an Affection of Place, which expresses the Manner of any Body's being therein. See Body, Flancy, See.

Position, in Architecture, the Situation of a Building, with regard to the Points of the Horizon. See Bullding. as that the four Corners point directly to the four Winds.

Postmion, in Affronomy. The Postmion of the Sphere is either right, parallel, or oblique; whence arifes the Inequality of our Days, Difference of Scasons, &c. See SPHERE SPHERE.

Circles of Position, are fix great Circles passing thro'
the Interfection of the Meridian and Horizon, and dividing
the Equator into twelve equal Parts. See Circle.

The Spaces included between these Circles, are what the Astrologers call the results Hough; and which they re-fer to the twelve Triangles mark'd in their Theraes. See

für in hie vielver Tringelen unstid in their Thermet. See TILLAR Cheles are represented on he Globe by the Semi-Girle of Politica. See Genar.

Fenarresi, in Damien, the Massacr of disploing the Pert with regard to each Politica. The first, when the Pert with regard to each Politicar. The first, when the Pert are juinful in a lone partial to the Shoulders is the Sounders and a lace partial to the Shoulders. The first, when the Sounders and a lace partial to the Shoulders and first of the Sounders and a lace partial to the Shoulders and first of the Sounders and the Heels in the Cavity formed by the Ratel and Carpet of the Fourt. The faunt, when one Four is the Bull and well as the Cavity of the Fourt which is the only regular manner of Walking. which is the only regular manner of Walking.

Rule of falfe Polition, or of Falfbood, confifts in the cal-culating on leveral false Numbers, taken at random, as if they were the true ones; and from the Differences found n, determining the Number fought.

therein, determining the Number longist.

Position is either fingle or deable.

Single Position is, when there happens in the Proposition, fome Partition of Numbers into Parts proportional;
in which Case, the Question may be refolved at one Opera-

tion by this Rule :

tion by this Rule:
Imagine a Number at pleafure, and work therewith according to the Tenour of the Question, as if it were the
true Number; and what Proportion there is between the
false Concludion, and the false Position; sheh Proportion
the given Number, has to the Number sought.

the given Number, has to the Number lought.

Therefore, the Number found by Argumentation, shall be the first Term of the Rule of Three; the Number support, the second Term; and the given Number, the third. See Golden Rule.

Position Zouble, is, when there can be no Partition in the Numbers to make a Proportion. In this Cafe, therefore, you must make a Supposition wice; proceeding therein according to the Tenour of the

Question If neither of the suppos'd Numbers solve the Proposi-

tion, observe the Errors, and whether they be greater or leffer than the Resolution requireth; and mark the Errors accordingly, with the Signs — and —

Multiply, contrarissife, the one Polition by the other Er-rors and if the Errors be both too great, or both too lit-tle, subtract the one Product from the other, and divide the Difference of the Products by the Difference of the If the Errors be unlike, as the one +, and the other-

If the Errors of univer, as no one 75, 200 the Guerra, add the Products, and divide the Sum thereof, by the Sum of the Errors added together. For the Proportion of the Errors, is the fame with the Proportion of the Exercites of Deficits of the Numbers suppost, to the Numbers fought.

Position, in Geometry, &c. a Term used in contra-diffinction to Magnitude, &c. Thus, a Line is said to be given in Position, Positione data, when its Situation, Bear-ing, or Direction, with regard to some other Line, is given: On the contrary, a Line is given in Magnitude, when its Length is given, but not its Situation. Sir Ifaac Newton shows how to find a Point, from which

Sit Julia Newton inews now to nad a roste, from which there Lines, perpendicularly let fall to three other Lines gives in Politics, have any given Ratio, &c. Pour 170 s. is alfo afted for a Thefis, or Proposition, maintain d in the Schools. See Thesis.

POSITIVE, a Term of Relation; fometimes oppos'd

to Negative

Thus, we say, the Commandments are some of them Fo-fitive, others Negative. See NEGATIVE. Positive is also used in opposition to Relative, or Arbi-Thus, we fay, Beauty is no positive Thing, but depends on the different Taftes of the People. See RELATIVE.

Positive is also used in opposition to Natural: Thus we say, a Thing is of positive Right; meaning, it is founded on a Law, which depends absolutely on the Authority of him who gave it.

Thus, s. gr. the Prohibition of cating certain Bcafts, un-der the Old Law, was of Positive Right; the Command to honour Father, and Morher, of Natural Right. See RIGHT.

Positive Quantity, in Algebra, a real, or affirmative Quantity; or a Quantity greater than nothing: thus cal-Quantity or a Quantity greater than nothing: thus called, in oppolition to a privative or negative Quantity, which is lefs than nothing. See Quantitix.

Positive Romantities are designed by the Character +, prefixed to them, or supposed to be prefixed. See Cata-

BACTES.

Positive Degree, in Grammar, is the Adjective in its fimple Signification; without any Comparison. See De-

Or, Positive Degree, is that Termination of an Adjec-Or, Popine Degree, as that I elemantum of an Adjec-tive, which experies in Subject Humply, and abbilinely is fair, policier, eff. a rei in the politive Degree; is better, faire, in the Compassitive. See ConstruAntive. Postravie Theology, is that which conflit in the fample anderliancing, or exposating of the Degrae's, and Articles of Faith's as containd in the Holy Serieures, or explaind by the Fathers and Councilies (see 1 of Il Disputs and Con-

In this fense, Positive Theology stands opposed to Scholastic, and Polemical Theology. See Scholastic and POLEMICAL.

POSITIVE, in Music, the little Organ usually behind, or at the foot of the Organith, play'd with the fame Wind, and the fame Bellows, and confiling of the fame Number of Pipes with the large one; the, those much smaller, and in a certain Proportion. See On.a.n. In the Organs of the Jesuis, the Positive is in the grand

Bady.

Bedys. The July See Lavivr.

North Fields See Carin.

POSSE Conitative, Feeror of the Goung, a Phrafe in
Law, fignifying the Adi, and Artendance of all Knights,
Gealence, Yomen, Labouren, Servans, Alprenices,
Villain, and others, show the Age of Heiron Earn, while

Harrel by the Strate of Hirodoffer: Only Women, Redefinited Perform, and fich as are deceptly, and infra
ne exceed. For the Strates of Julius, 1 iny, Than For
ging and to I want, And the affine the Only Women

Than The Strate of Hirodoffer of the Strates of t

SERVICE.

It is sfed, where a Pofferfion is kept upon a forcible En-try, or any Force of Refene afed, contrary to the Com-mand of the King's Writ, or in opposition to the Execution

POSSESSION, in Law, quafi pedis politio; an Astion whereby we hold, or occupy, any thing, either de Jure, or de Fatto. See Occupancy. Paffiffion de Fatta, is when there is an actual, and effec-tual Enjoymens of the Thing. See Dr. Facto. Paffiffion de Jure, or in Law, is the Title a Man has to enjoy a thing, the ir be formerimes stary d, and in the ac-

csjør åthing, froi ir be fomerimes sførryd, and in the ac-ial Hyffigue another. See Dy Jonans cill Copfida-Cany of Hyffigue, as what the Cream cill Copfida-fier of Hyffigue, as what the Cream consequence of the Hyffigue acid consequence of the Copfida-lity Herrice Services in Service bosomes existed by Unity of Hyffigue, i.e. by the Scipnery and Tensary's Unity of Hyffigue, i.e. by the Scipnery and Tensary's Rydyr, and in real Editors, a Pyfiffigue of ren Years, a mong Ferical Vision garent her Ferming, and recony Years mong Ferical Vision from the Copfidal Copfidal Copfidal Scipners and the Copfidal Copfidal Copfidal Copfidal Copfidal Scipners and the Copfidal Copfidal Copfidal Copfidal Copfidal Copfidal Scipners and the Copfidal Copfi

mong persons living near the Fremules, and twenty Years among those that live elfowhere. See Pracesition.

Passession, is fornetimes also used for the Act of taking persons; which is performed with certain Formalities, whereby a Person is juilify'd to be in the Enjoyment of any thing

Antiently, upon buying an Estate, Possificus was taken with a deal of Ceremony: In some places, by a Stick, a Branch, or a Straw, put in the hands of the Buyer by the

Seller. See INVESTITURE.

Polification of a Benefice, in fome Customs, is taken, by entring the Church, kneeling down, kitting the Altar, and ringing the Bell.

In some Cases, Possession is taken by the Sight of the

Sceple.

The Emperors antiently par Prelates in Possition, by giving them a Ring and a Staff.

Possition is also used for the Title, or Prescription, that gives a Right to hold any thing: Annual Possition is the commendation of the Prescription of the Commendation which gives a Right to Moveables: A retennial rospaces at alto into ret ne anne, or reference, that sives a Right to hold say thing: A manual Polificon is the Ultrafisit, which gives a Right to Moveables: A retional and peaceable Polificon of a Benefice, is difficient to maintain it; provided it be founded on a plausible Title. A Tolffillion of an Editar for een Tearn by a Períon prefert, and of recent years by one above, with a Titles or of thirty Tear, without any; give a full Right. See Pax-

Centenary Possession, constitutes Possession Immemorial s the best and most indispurable of all Titles. Possession, is also used for the State of a Person pos-

Affect by the Devil.

It differs from Objection; in that in the former, the Devil acts inwardly; and in the latter, outwardly. See Ob-

POSSESSIVE, in Grammar, a Term apply'd to Pro-neurs, which decote the Enjoyment or Possession of any thing wither in particular, or in commun. See Pagnous.

thing, either in particular, or in common. See Pronoun.
Thus, mine, thine, his, ours, &c. are Pronouns Pofferfice

POSSIBILITY, Possibilities, a Non-Repugnance to Exiding, in a thing that does not any way exist. See Pos-

This New-Repugnance of Exifting is no other than the Productibility of any thing; which confifts in this, that there are furthern Canfes scloudly exifting, or at leaft peffible, whereby the thing may be produced, or be brought to exift; principally as there is a God, or an Almighry Caufe.

So that Pollibility does not imply any thing in the thing So that regionary ones not imply any tining in the tining peribble, but is a mere extrinic Denomination taken from the Power of the Caufe, and principally of God. In effect, if a creditable thing had any intrinsic Possibility, it would follow that such thing must exist even with

out the Caufe.

out the Casic.

And yet we may allow an intrinsic Possibility of a thing; if by Possibility, we do not underdland its Producibility, or its Non-Repugance to exist 3 bet only Non-Repugance of the Attributes contained in its Idea. Bot leads to the Casic nance of the Attributes comind in its Idea. Bes fach Publishi ys mercy Logical.

PUSSIBLE, PORTILLE, in femerimes oppord to real Extintence, and audenticod, in the Schools, of a Thing, which the it does not attaulty exit, yet may exit; as a none Star, smoke the velled, G.s. which no pertainately follow.

The publishing publishing of the publishing of t

confricted y frequency whether it schally call or not; As Min, Fire; the care alfo faid to be Logically poffishe. Tis a great Poict of Controverfy among the School Phi-lofophers, whether, and how far Things may be faid to have any Entity, while only in a State of Pofficially. See Possibility.

Poffibles are ordinarily conceiv'd to be three fold 3 future, potential, and mersis possible.

Future, is that of a Thing, whose Production is decreed, and ascertaid: V.gr. the Futurition of all those Events, fix'd by the Immutable Will of

the Almighty. Potential, or in potentia, is that which is contain'd, or its hid in its Caufes; as the Tree in the Seed, the Freit

in the Tree, &c.

A more Possible, is that which might exist, the it never

Others diffinguish Possibles into Metaphysical, Physical, and Poffible

and regime.

Metaphysical, is that which may at least be brought to Being by lome supernaural and divine Powers as the Referrection of the Deal. In which send the Word is opport to an Imposibile even to God bimelt's as a crooked Straintes, a square Circle, an infinitely period Creature, mortal God

Physical, or Natural, is that which may be effected by a natural Power; as to overturn the Turkill Empire. In opposition to such Things as cannot be produced by any finite Power; as, to reflore the Dead, Co.

Ethical, or Moral, is that which may be done by pro-

Efficial, or Moral, is that which may be done by pra-dent Perfons; using all the proper means they have for the fame: And again, it is used for any thing done according to right Reason, and consistently with the Laws. In the first since is spelled for the Ferminan to bear the Turks at Sea: In the second, whatever is right and just, is ful-

FOST, in the Military Art, any Ground, or Place, for-tify'd or nor, where a Body of Men make a Stand, fortify themfelves, or remain in a Condition to fight an Enemy.

themicleves, or remain in a Condition to fight an Enemy. Hence they fay, the Figh was relieved, the Figh was quit-ted, the Figh was taken Swerd in hand, Efc.

A Spot of Ground feir'd by a Parry to fecure the Front of an Army, and to cover the Fight, that are behind, they call an advanced Figh: And the Advance Guard, or the Right of the two Lines of an Army, Efc. they call the Figh

Honour. Honour. The Word is form'd from the Latin positive, placed 5 some

derive it from *Potoflets*, Power.

Posrs, in Building, pretty big Pieces of Timber, plac'd upright in Houses, &c. The corner Posts are call'd the principal Posts; and the Posts framed into Bretlummers between principal Posts for strengthening the Carcass of the House, are call'd tho

Prick-Posts. An excellent Method to preferve Posts from rotting, is to burn the Ends that are to be fet in the Ground; the Out-

fide to a very Coal. Post, the Difpatch a Courier, or Letter-Carrier, makes,

by changing Horfes from time to time. See Courier.

The Word is also apply'd to the Person himself; the Houses where he takes op, and lays down his Charge; and the Stages or Distances between House and House The Name is borrow'd hence, that the Horfes are positi,

placed, or disposed from distance to distance.

placed, or diffused from diffuse to diffuse.
We find metricum made of 29-l Herfers in the Thresholm
Code, the Courtly publics, but thefe were very different from
first appointed by Frienze it ill whole Time, the Melfagere ficiel any Herfers that came in their way.
Lawis Hornight ban as expect Trentio on Polit, whereof
he makes four kinds; etc., on Horphotch, in Cherrent,
Sours, and me Cocc, which let Hot did in the in Tang, forSours, and me Cocc, which let Hot did in the in Tang, forkey, and Pers.

Contiers. See COURLIES.

In effect, Pott on the perfect footing are but a modern lavention; the foune go back as high as Charlematign. "Tis certain is was the Policy, or rather the Difficience of Louis XI. of France, that they owed their Rife to; that uneafy Frince fair fetting them by an Ordonance of the 15th of \$7500 the \$1000 the \$

neighbouring States From Prance, the Inflitution propagated itself, by de-grees, thro the feveral other Parts of Europe: In Gorgrees, thro the reveral other Parts of Europe: In Ger-many, Hernigk observes, Poss were first settled by the Count of Taxis at his own Expence; in acknowledgment

whereof, the Emperor Matthias in 1616, gave him, in Fiet the Charge of Pol-Mafter under him and his Sacceffors. In England, Pols were first established by Act of Parliament 12 Car. 2. which enabled the King to fettle a Post-

liment r: Carr. a which enabled the King to tested a Vigi-Cities, and spinit a Governous.

Given and the contract of Commons.

Given a contract of Commons

From this comes, Letters and reacets are dispated every Monday, to France, Spain, Italy, Germany, Scueder, Kent, and the Downs; every Troffay to all Parts of England, Sceland, and Ireland; also to Helland, Germany, Sweden, Ge. every Membellay to all Parts of England and Scaland; as allow Thompson, Schim, and the Downs; also to England and Scaland; as allow to England. also to France, Spain, and Italy; every Friday to Flanders and Holland, Germany, Swaden, Kent, and the Dovens; and every Saturday to all Parts of England, Scotland, and

Treland.

Ireland.
Again, Letters are return'd to London from all Parts of
England and Societand, Works only excepted, every Monden, Wednelghay, and Friday: From Walds every Monday
and Friday; and from Keut and the Domus, every Day.
And this grand Office depend it's 76th Milters in England and Societands, who keep regular Offices in their Stages,

name and Massidans, who keep regular Olitica in their Strages, and Sub-Polf-Mathers in their Branches.

The' the Number of Letters in England was antiently very inconfiderable ty et is it now fo increased, that this Office, before the Addition of the Fenny-Foft, was farm'd

at 50000 l. per Ann

at socool. For Jam.

The Charge of a Letter of a Sheet of Paper 80 Miles, is 3d. of two Sheets, 6d. for above 80 Miles, a Sheet 4d. for wo, 8d. An Oauce of Letters for 80 Miles, 11. for above, 11. 6d.

Note, The Poff travels at the rate of 120 Miles in 14 Hoars. For those who chaste to travel with the Poff, Hortes are ready, at the Rate of 3d. For Miles and 4d. to the

les are ready, at the case of the Politice of this Politice of the Boy every Stage.

The Great Mogol performs part of his Politice of Letters on extraordinary Occasions. They will early them term on extraordinary Occasions. They will early them term on the politice of t ters on extraordinary Oceanons. I bey will carry them from one end of that vaft Empire to another. The fame Vehicles have been used by the Dutch in Sieges. And at this day, Taurnier observes, the Confal of Alexandretra fends News daily to Alepho, in five Hours time, by means of Pigeons; the those two Places are three Days Journey

on horfeback a-part. Penny Post, a Post establish'd for the Benefit of Lon-Transprost, a rejectation of the Benefit of Lon-don, and the Parts adjacent; whereby, any Letter or Parcel, not exceeding one Found Weight, or ten Pound Value, is speedily and fafely convey d to and from all Parts within the Bills of Mortality, to most Towas and Villages within ten Miles of London.

This Office is managed by a Comptroller, under whom are an Accomptant, Collector, fix Sorters, feven Sab-Sorters, and above an hundred Meffengers. Puers, in Sculpture, Sc. Ornaments form'd after the same of Rolls, or Wreathings; thus call'd, because they

from to run after one another.

Some are fimple; others enrich'd, or flourish'd.

Posr, after, is also a Latin Preposition, used, in Composition, with toward English Words; and generally implying a

Relation of Posteriority.

Post Communion, a Prayer which the Prioft recites after Post Diem, a Fee, by way of Penalty, on a Speriff, for his Neglect in returning a Writ after the Day affign'd. See

RETURN.

For this the Custos Brevium has four Pence; whereas he has nothing, if it be return'd at the Day. See Writ. Post-Nasi, in our Statutes, is particularly used for such

Herodom aferibes the Origin of Polit to Gyrus or Xerzer s. Perfous as were born in Scattand, after the Accellion of King Dats the Polit inflituted by tofor Princes were no more than "James" to the Grown of England.

7/861.1 it was by all the Ladder Information of King Origins. See Constant. y ames 1. to the Crown of England.

y fac. 1. it was by all the Judges folemaly adjudged.
That such Persons were no Aliens in England's 22, on the
contrary, the Anto-Nati, or those born in Scot land before
that Accession, were Aliens here in respect to the Time of

their Birth. Post-Natus is also used by Bratton, Fleta, Glavville, &c. for the second Son: Thus in Brompton, lib. 2. Es confuesudo in quibussam partibus quad Post-Natus prafertur

primogenito.

Posr-posing, the patting any thing after, or behind an other; with regard either to the Order of Time, or Place. other; with regard either to the Order or 1 time, or Hage. Sometimes is it taken in an ill part; as when we fay. The Book-hinder has poly-found a Sheet, &c. of a Book, Poar-Seript, an After-Honolpt, or Article added to a Letter or Memois; commining formething learnt, or recol-lected after the Subfeription, or Conclusion of the Piece. It is usually mark of thus, P. S. The Speciator observes,

that a Woman's Mind is ever better learnt from her P. S.

than her Letter.

that a Worman's Music is ever better learnt toom Ret 24.X.
Porx Dist. Sec Darx.
Porx Fing. A busy belonging to the King for x Has pure belonging to the King for x Has busy belonging to the King for x Has the Cognize after the Fine is fully parid, and all things touching the farm accompilit. Sec Darx Dist. Se

Cuftos Brovium has twenty Pence. See WRIT.
POSTEA, in Low, a Return or Certificate of the Pro-

ceedings by Nift Prius into the Court of Common-Pleas 3 after a Verdict; and there afterwards recorded. POSTSCENIUM, in the antient Theatre. See PARA-

Post Predicaments, in Logic, are certain general Affec-tions, or Properties, arising from a Compariton of Predi-caments with each other; or, Modes following the Predi-

caments, and often belonging to many.

Such, according to Arificite, are Opposite, print, final, metus, and habere; the three first of which are in all Pre-

POSTERIOR, a Term of Relation, implying fomething thind, or that comes after another. In which fenfe it is

behind, or that comes after another. In which lends its ufed in opposition to Priesr and Asterier.

The Back and Hips are the Posterior Perts of Man. Aristotle gives Prior and Posterior Analytics. A Date is Posterior to another, when it is later, or fresher. See

POSTERIORITY, in Law, a Term of Comparison and Relation in Tenure, opposite to Priority. A Man holding Lands, or Tenements of two Lords, holds of his antienter Lord by Priority; and of his later Lord by

Poßerioriy:

POSTERN, in Fortification, a false Door, usually made in the Angle of the Flank, or of the Currain, or scar the Orillon; defeending into the Dirch, for the Convenience of private Sallier.

private Sallies.

The Word is also used in the general for any private or back Door. Possilas habore posternam in omni Caria penius imbibastur, sed unicus si Ingressus, Sc. Flexa.

POSTHUMUS, or Pourmuseous, a Child born after POSTHUMUS, or Posterussous, a Child born after the Death of his Pather, or even of his Mother.

Among the Romans, Postburnus was also used for a Child orn after the making of a Testament, which occasion'd the

Testator to alter it. The Word is composed of the Latin, Post, and Human, ground. Hence the Word comes to be used figuratively for the Works of an Author that were not published all

POSTILLA, a Word antiently used for a Note, or Remark, wrote in the Margin of the Bible; and afterwards for a Note wrote in any other Book posterior to the Text.

for a Note wrote in any other Book politerior to the l'ext-Friest, in his Chronicle, Ipseking of S. Langten, arch-biftop of Canterbury, 844, Soper Bibliom Polithlas feets 28 cam per Capitula quibin unacu tuntum mederu diffuncii: And that Alexander Biftop of Chefter, Super Pelaterius Polithlas feripfit. Knighren, another of our Hittorians, Ipseking of our Higg, Dominican and Cardinal, fay,

nam bibliam postillavi POSTING, among Merchants, the putting an Account forward, from one Book to another. See Book. Keeping. POS- POSTIQUE, or Poerte, in Architecture, &. An Or- felf's be could exhibit all the unrouth odd Paces of a nament of Sculpture is faid to be Politine, when it is added Quaker's Meeting. Agent the Work intellig do not not be a name of the Work in the fair of the fair of the work in the fair of the work in the fair of the A Table of Marble, or other Matter, is also faid to be when it is iccrustated in a Decoration of Archi-

Postique, wh

The

Word is form'd from the Italian, Policcio,

POSTLIMINIUM, POSTLIMINY, among the Romans, the Return of one who had gone to fojourn elicwhere, had been banish'd, or been taken by the Enemy; to his own been basilit'd, or been taken by the Enemy; to his own Country, and Stare. Thus call'd, according to Al. Gillists, from Figl and lisses, a.b. a Return to the fame Limen, i.e. the fame Bounds or Thereford. Will be to it has call'd, Some, from Anna Marvell. will be to it has call'd, became Ferlens were retired to the House then'a Hole in the Will, Figl lisses, not by going over the Threshold, which was ethermed omiseus.

Postiminium was also a Law whereby one recovered an Polytuminum was also a Low backety one recovered an loweringer or beth fatter that had been loft. The company of the lowering that the lowering that polytum is a short of the lowering that fomething may or may not be done. See Passwar 1001. A thing immediately deduced from the Condideration of one fingle Definition, if it experts from thing to agree, or disgree to another, is call'd an Drivan: If it saffirm that formelying may or may not be done, it is call'd a lowering that the lowering that the lowering that you may not may not be done, it is call'd a lowering that the lowering th

Thus, e.gr. from the Geneus of a Circle, 'tis evident that all right Lines drawn from the Centre to the Circumthat all right Lines drawn from the Centre to the Circum-ference, are equal; fince they only reprefent one and the fame Line, in a different Situation: This Proposition, therefore, is efteemed an Axiom. See Axiom. Bet, fince it is evident from the fame Definition, that

a Circle may be described with any Interval, and from any Point ; this is accounted a Postulare.

Four 1 this is accounted a \*Poplitatie\*, the Applitatie\*, the faine relation to each other, that Theorems and Present Proposed to the Applitaties of the Applitaties of the Applitation of a Perfon to a Dignity in the Charch ay to Which, by the Chones, he cannot be clefted; a si, for want of Ape, of Bitth, Decarlo already prefixed of a Benefic incomputing the Applitation of 
therewin, or the like Impediment.

Thus the formal Election of fuch a Perfon being faulty, they are obliged to proceed by way of Poflutation; that is, the Chapter beforches the Perfon to whom the Confirmation of the Election belongs, to approve of it, the' it

be not Canonical. The Person to whom the Supplication is made by the Projection to Germany, is the Emperor; by the Papilis,

B requestry observes, that when a part of the Chapter elects, and another Postulates, the Number of Postulates must be twice as great as that of the Electors, to bring the

matter to a regulation.

POSTURE, in Painting, Sculpture, &c. the Situation of a Figure, with regard to the Eye; and of the feveral principal Members thereof, with regard to one another; whereby in Action is expressed. See ATTITUDE. Matter to a Postulation.

A good part of the Painter's Art confifts in adjusting the Poftures; in giving the most agreeable Postures to his Firespective Figures, and the part each has in the Action ; and in conducting them and pursuing them through-

Postures are either Natural, or Artificial. The former are such as Nature feems to have had a View to in the are tech as Nature teems to have nad a tree to in the Mechanifm of the Body 3 or either fuch as the ordinary Actions and Occasions of Life lead us to exhibit, while young, and the Joints, Mufeles, Ligaments, &c. stexible Artificial are those which form extraordinary Views, or Occasions lead us to exhibit: Such, e.gr. are those of

our Posture-Masters

our Profuser Melforts.

A Fainter would be frangely puzzled with the Tique of Clark, (the late timous Trighter Melfort of Pall Amile) of the Pall Amile of t dertale his Gare. Ho well remote stars, he would say for which all he Deformed 16°s. He disjoined his Arms, Shoulters, Legs, and Thights and render dhimelf 16°s. Shoulters, Legs, and Thights and render dhimelf 16°s. Shoulters, Legs, and Thights and render dhimelf 16°s. In the control of the Back. Yet his Face was the most changeable part about him; and show'd more Postures than all the rest of him-

POT-Agis, are properly the Afhes of certain Vegetables ufed in the making of Glafs and Soap. See Assres. Such are the Afhes of the Horb Kafi, call'd alfo Sait-Wort, Glafs-Weed, &c. from its great ufe in Glafs-making. See GLASS.

Pet-After are also call'd Cineres clavellati, and make the Basis of Salt of Tarrar, and most of the lixivial Salts, as our Chymists of late manage em for Cheaparis. See KALI, Sc.

The English and Dutch make a confiderable Commerce of Pos-Afret which they bring from about the Black Sea; using great Quantities thereof in the Preparation of their Clorbs, &c. those Ashes being found excellent to scour See FULLING.

The Name Pos-After is also popularly apply'd to all kinds The Name Post-Morisallo popularly apply dto all kinds of Afters beught up and down the Conurry, and mixed together, for the making of green Glafs: But the best of English Post-Morisa en thoic made of the smaller common Highway-Thistle; the 'all Thisles are good. Fern allo oakes excellent Pot-Africa POTABLE, fomething that may be taken, or fwallow'd,

by way of Drink. See DRINK.

The Chymifts talk much of Posable Gold, Auram Po-

table. See Aurum and Gold.
FOTENT, or POWENCK, in Heraldry,
a Term for a kind of a Cros in the Frgure adjoining. See CROSS.
He bearern Sable, a Cross Potent, Or,

y the Name of Aleva.

This Form represents the upper end of a Crutch; for antiently Crutches were

call'd Faints:
POTENTIA, Frant, or that whereby a thing is capable
either of akting, or boys glided on. See Powra:
POTENTIA, Frant, or that when, different
streec, Frown in view hinds, different
streec, Frown in view hinds, different
streech, and the streech streech, and Paints
School Team, Optarisity; is the Elifassy, or Faculty of
the pleigh, in vitwe whereof fornething airie, or is produced by it. Such is the Power of Faculty of, in Man.
Paffiger, or Receiver Owner, in Superior of receiving
the streech streech streech streech streech streech
This in solice all 'd Subjection's Power, in Subjective Power,
The Streech See Transaction of the Sub-Ol-Wint
To Streech See Transaction in the Sub-Ol-Wint
This is allocall'd Subjection's Power, in Subjective Power,
The Streech See Transaction is the Sub-Ol-Wint
This is allocall'd Subjective Power, in Subjective Power,
The Streech See Transaction is the Sub-Ol-Wint
This is allocated to the Sub-Ol-Wint
This is allocat

To exist in Potentia, is used among the School-Writers, to denote that Existence which a thing has in a Canfi

capable of producing is, but which has not actually pro-duced it: In which it itsnds opposed to Existence in actis, See Possibility and Existence. POTENTIAL, in the Schools, is used to denote, and diffinguish a kind of Qualities, which are supposed to exist in the Body in Patentia only; by which they are capable, in fome manner, of affecting and impreffing on us the Ideas
of fuch Qualities, the not actually inherent in themfelves.
In this fenfe we fay Potential Heat, Potential Cold, &c. Brandy and Popper, the' cold to the Touch, are Potentially

het.
POTENTIAL Cold is a relative Term, by which we mean
that facts a bing it not aftently cold to the Tooch, but in
its Effects and Operation, if Inchen monately. See Co.n.
This (Quality is imposed to sariis from the Size, Shape,
See, of its compensal Particles, which sige from check or
restration to the Blood's Motion, whereby it is left sigtested, and upon which the ferfible parts of the Body and
the Size of the Compensal of the Color of the Color
in the Color of the Color of the Color
in the Organs or Feeling, it is
contained to the Color of the Color of Feeling, it is
contained to the Color of the Color of Feeling, it is
contained to the Color of the Color of Feeling, it is
contained to the Color of the Color of Feeling, it is
contained to the Color of the Color of Feeling, it is
contained to the Color of the Color of Feeling, it is
contained to the Color of the Color of Feeling, it is
contained to the Color of the Color of Feeling, it is
contained to the Color of the Col

Hence every thing that leffens the Blood's Motion, with relation to the Senfation before made, is cold 3 and every thing which increases it, may be call'd Petential Heat. See

POTENTIAL, in Medicine, &c. Cauteries are either Actual, viz. a Button of red-bot Iron; or Potential, as Lime, and other Caudic Drugs. See Cautery.

POTENTIAL, in the Schools, is also used for fomething that has the Quality of a Genus. See GRN us

that has the Quality of a Genus. See Granus. Grotist use the Plante Peacetuil a Farts of a State, in opposition to the Subjective Farts.

By Facturals, he means those Parts which have the Sovereign Fower: By Subjective, those fabiled thereto; which are that, with regard to the Sovereign Fower, that feveral Species are with regard to the Genus, whereof they are the folipictive Farts.

For in the Schools, a Posential Whole is that which has its Parts under it, as a Genus has its Species: to diffinguish it from an Actual Whole, which has its Parts in itself; as a

If from an Actual winds, which will be and from Body composed of Matter and Form.

Grothis maintains, that the the Sovereign Power be one and individible, yet it may have several Potential Pars: For, as in the Romann Empire, there have been two Protestial Heads, the one voling in the Early, the other in the West; yet the Imperial Authority all the while fingle and



indivisible: So is it possible the Subjective Parts comindivibile: So is it pointble the Subjective Parts com-bining to give away their Sovereignty, may not give it ni-tive, but referre a part of it for certain Emergencies. In which Cafe the Subjective part become Parential. And thus there are two Parential parts, yet the Sovereignty

fingle.

POFENTIAL, in Grammar, gives the Denomination to one of the Moods. See Moon.

The Paramid Mood is the firm right, with the Sub-The-Paramid Mood is the firm right.

Post of the Paramid Mood is the firm right.

The Paramid Mood is the firm right.

The Mood is the Registry and the state of the sta

to be taken at one time.

to us taken at one time.

There are pugging Pations, Emetic Pations, Diaphoretic, Pectoral, Cephalic, Cardine, Stomachie, Hyfleric, Vulnerary, Carminative, & Pations.

PUTTERS, the Art of making Earthen-Pots, and Veffols; or, the Manufactory of Earthen-Ware. See

EARTH The Wheel and Lathe are the Chief, almost the only In-

firements, used in Postery; the first for large Works, the freend for small: The, in reality, they are much the

fame as to the manner of using them.

The Fotter's Wheel confilts principally in its Nut, which is a Beam or Axis, whole Foot or Pivot plays perpendicularly on a Free-flone Sole or Bottom. From the four Corners a-top of this Beam, which does not exceed to Cariners stop of this Beam, which does not exceed ewe fore in height, and foo for the Bart, acid? the Spokes of the Wheel, which forming diagonal Lines with the Beam, deletend, and are kinked at bottom to the Edges, of strong wooden Circle, four foot in Diameter, perfelly like the Fellers of a Cards-Wheel, exceep that it has excited raise or Read is and it only lond or the Beam, which ferrest it are her all is and it only lond or the Beam, which ferrest it are her all is and it only lond or the Beam, which ferrest it are her all properties of the Beam 
feifinin d.

The Wheel thus diffoled, is excompafied with four Sides of four distress pieces of Wood, fuffinid on a wooden Frame: The bind-piece, which that whereon the Workman fltt, is made a little inclining towards the Wheel: On the fore-piece are placed the pieces of per pared Earth. Latify, the fide-pieces ferrer the Workman to reliab Feet gaming and are made to believe the pieces of person of the Feet gaming and are made to believe the pieces of person of the pieces o with from time to time he wets his Hands, to prevent the

Earth's iticking to 'em.

Earth's litcking to 'cm.

Jo 19 the Wheel. The Potter having prepared his Earth,
and laid a piece of it fuirable to the Work he intends, on
the Top of the Beam; fits down; his Thighs and Long
much expanded, and his Feet refled on the fide-pieces, as is most convenient.

is most convenient.
In this Sirenation he turns the Wheel round, till it has got the proper Velocity s when, wetting his Hands in the Water, he bores the Cavity of the Velfel, continuing to widen it from the middle; and thus turns it into Form: turning the Wheel a fresh, and wetting his Hands, from time to time.

When the Veffel is too thick, they use a flat piece of Iron with a Hole in the middle, and somewhat sharp on

Iron with a Hole in the middle, and fomewhat finary one Edge, to pare off what is redondant. Lafly, when the Veffel is finished, they take it off from the circular Head by a Wire gard's understand the Veffel.

The Potter's Latte, is also a kind of Wheel, but simple and lighter than the former. In strucchief Members are now Head of the Company of the on Iron-Beam or Axu, innee 1004 and an hell high, and two lnches in Diameter's a little wooden Wheel all of a piece, an Inch thick, and feven or eight in Diameter, pla-ed herizontally a stop of the Beam, and Irening in form the Veticlion's and another Jarger wooden Wheel, all of a piece, three Inches thick, and two or three Fore Ironal, faithen's on the Jarme Beam as bostom, parallel to the He-rizon. The Beam or Aziz tumb by a Prior at a bottom, in an Iron Stand.

an Iron Stance
The Workman gives the Motion to the Lathe with his
Feet, by possing the great Wheel alternately with each
Foot; still giving it a greater or left degree of Motion, as

Foct 3 till giving at a greater or ien aggree or wotton, as has work required. The control of the control of the control of the and after the fame ensured, at the Wheel. But neither the one nor the other force for any more than the forming of Commonst, if there have the than the forming of Commonst, if there have the thought of the control of the control of the control of the dualdings, being to be made and fet on by Hand is if there he any Scalptore in the Work, his deally done in Earthoon to Wooden Moulds, prepared by a Scalptore, un-

very rare. very rare.

As to the Glazing, or Varnishing of the Work; its

usually done with mineral Lead, i.e. Lead palverised by
throwing Charcoal-Dutt into the melted Lead, and the

Affice of Lead; which, in effect, are only its Seum and

Scoria. See LEAD. For the Chinese Poyreny, see Porcelain. POTTLE, an Englife Menfore, containing two Quarter

Sec MEASURE.

See Milanna. "Two of these Pautei, in the Liquide, make a Gallag, but in dry Messfore shere go to Callen. See Gazton. TO(IDER, of Feworas, in Flammers, a dry Mecking pulserind, or prepared by being broken and reduced into pulserind, or prepared by being broken and reduced into the control of the control o

Pountar for the Hair, is Flower of Wheat, or Beans, well fitted and prepared, to give it an agreeable Odour.

That wherein Starch Grounds is mixed, is the word. See STARCH.

Jefuis Pounen, Pulvis Patrum. See Contex Peruviauus.

Gun-Pouden, fee Gun-Pouder.

Pourna Cheft, in the Sca-Language, are Boards join'd in form of a Triangle, and fill'd with Gun-powder, Pebbles, Es. which they fet fire to when the Ship is boarded by an Enemy, and foon make all clear before 'em. POUDERINGS, in Building, a Term fometimes used

for Devices ferving to fill up vacant Spaces, in carv'd Works: As also, in Escutcheons, Writings, Sc. POUDERINGS, in Heraldry, fee FUR.
POULTICE, or POULTIS, a Form of Medicine call'd
to Cataplage. See CATAFLASM.

POULTRY, fee Fown. POUNCE, among Artificers, a little Heap of Charcoal-Duft, inclosed in some open Stuff; to be passed over Holea prick'd in a Work, in order to mark the Lines or Designs

thereof on a Paper placed underneath; to be afterwards finish'd with a Peneil, a Needle, or the like.

Pounce is much used by Embroiderers, to transfer their

Pennics is much used by Embroiderers, to transfer their Patterns upon their Straffs, by Lace-Makers, and func-times allo by Engravers, and Writing-Matless. The Word is form'd from the French, Paumice, Paumice-flone; in regard they antiently used Pumice-tione powder'd for this runce.

or this purpofe. POUNCES, in Falconry, the Talons, or Claws of a Bird Prey

of Prev.

POUND, a Weight, of a certain Proportion, much afed
as a Standard for determining the Gravities and Quantities
of Bodies. See Weight.
The Word is derived from the Saxon, Pand, Pondus,

Weight. We have two different Pounds in England ; the Pound

Troy, and the Pound Averdupois.

The Pound Troy conflits of 12 Ounces, each Ounce' of 20 Penny-weights, and each Penny-weight of 24 Grains;

The Temporary of the Control of the Control of the AS Control of the Control of Control

Scruples a Dracion, 8 Drachms an Ourocc, and it a Duncia. See Groventz, effect.

The Passed Association from the Control of th

Quintal. See QUINTAL. By this Pound are weigh'd all large and coarfe Com-

modities, Flesh, Butter, Cheese, Iron, Hemp, Lead, Steel, &fa

An Avoirdupois Pound is equal to 14 Ounces 4 of a Peris Pound. So that 100 of the former Pounds make 91 of the

The French Pound contains 16 Ounces 3 but one French Pound is equal to one Pound one Ounce 3 of an Avoirdupois Pound; so that 100 Paris Pounds make 109 Englis Avor-dupois Pounds.

The Paris Pound is divided in two manners; the first

division is into two Mares, the Marc into eight Quoces, the Ounce into eight Gross, the Gross into three Deniers, the Denier into twenty sour Grains, each weighing a Grain of

Wheat.

The fecond Division of the Pound is into two half Pounds; the half Pound into two Quarters; the Quarter into two Demi-quarters; the Demi-quarter into two Ounces; the Ounce into two half Ounces, &c.

The first Division is usually follow'd in weighing Gold,

Silver, and other precious Wares 5 and the latter in thefe of Jefs value. At Lyon the Pound is 14 Ounces. One hundred Paris
Pounds make 116 Lyon Pounds.—At Venice, the Pound
is equal to eight Ounces, three Quarters of the French

Pound, Sec. For the feveral Pounds of the feveral Cities and Countries, their Proportion, Reduction, Division, Sec. fee Walour. Pound is also an imaginary Money, offed in accounting a containing more or left, according to the feveral Names added to it, and the feveral Countries it is used in. Sec.

MONEY. Money.

Thus in England we fay a Pound Sterling; in France, a Pound, or Livre Tourneis and Parific; in Holland and Flanders a Pound, or Livre de Groß, &c.

Flander's a Pound, or Livre de Groß, Sc.
The Term took is nife hence, that the antient Pound
Sterling, the' it only contain'd 240 Pence, as our does, yet
cach Penny being equal to five of ours, the Pound of Silver
weigh'd a Pound Trey. See Panny.

weight à Pound Trys. Sec Pessyr.
The Pund Serving, or Englis Pannd, contains twenty Shillings, the Shillings twelve. Frace, and the Penny flow Shillings, the Shillings twelve. Frace, and the Penny flow Ankendy there were there ways of paying a Pannal of Money into the Eachquer. 1°. The payment of a Pannal of Money into the Eachquer. 1°. The payment of a Pannal of a manner, which was just it cannot a shirt the spirit from the lattice of the party of the payment of the party of the payment of the p Ounces.

The French Pound, or Livre, Tournois, contains twenty Sols or Shillings, and the Sol 12 Deniers or Pence Tournois; which was the Value of an antient French Coin call'd Franc, Term fill fynonomous with Livre. See FRANC.

a Term fill fisocomous with Livre. See Fa Aste.
The Famed, a Livre Hormite contain, in like meaner,
arbida to fill lings, and the Sid 1 is Denices or Face Faterior of the Sid 1 is Denices or These Faterior one third Denices Hormite to equal to a post of Termite Times one third Denices Hormite to equal to a post of Termite Times one that the Famed Serving is equal to a 1 Famed or Livre, a for-ter to the Hormite to the Hormite to the Hormite Tax-change is on the foot of first four Term Serving for a French Cown, or East of 6.0 Set Taxmais; which is the Presence Termine and Magland. See Lavan and Plan. The Pound or Livre de Gres of Helland is divided into 20

Shillings Gros, and the Shilling into 12 Pence Gros. It is equal to fix Florins; the Florin valued at 24 Sols Tournois; supposing the Exchange on the footing of 100 Pence Gros er a French Crown of 3 Livres Tournois; fo that the for a Printip Crown of 3 Livres Yournots; in that the Pound Gros amounts to to Shillings and it Pence Farching Sterling. The Pound Gros of Flanders and Brekens is divided like that of Hollendy and like that two, is equal to three Florins; but the Florin is equal to 25 Sols Yournots; but the Resident Sternel is equal to 25 Sols Yournots; but the Resident Sternel is equal to 25 Imm.

three Fleeins 1 but the Floria in equal to 21 flois Tammatis, to that the Fluentiv Fluenti is equal to 1 Liver, 1 to 80 in Tammatis, et 11 : 2 d. Settling.

Therefore, 1 Edward, fluenting, 65: the Charactlers, or Sheetheast, 1 Edward, fluenting, 1 Edward, 
Pounn Guert, or Open Pound, is that built upon the Lord's Waite; and thence also call'd the Lord's Pound; because he provides it for the use of himself and his Te-

Pound Overt also includes Back-fides, Court-Yards,

Patture Grounds, or any Place whatever.
To this Pound the Owner of the Beatls impounded may come to give them Meat and Drink, without Offence of their being there, or his coming thicher,
POUND Clofe, on the contrary, is fach an one as the Owner

Pount Giffs, and the contrary, is stach an one as the univer-censor came to for the faid purpofe without Offence; as fome clofe House, Caffle, Fourtefs, &c.
POUNDAGE, a Subsidy granted to the King upon all manner of Merchandize, and of all Merchants, Denizers, Sec.

and Strangers; whether imported, or exported. DUTY. It is call'd Poundage, because fixed at the Rate of so much per Pound; viz. one Shilling in every Pound, or

2.5. It was first granted to Henry VI. for Term of his Life; and afferwards to K. Charles II. Anno 12 Car. 2. POUP, "Amppir, in Navigation, the hind-part of a Veffel, or that where the Helm is fixed; call'd also Xerm. See Serva.

See STERN

The French frequently call it Russe, Tail; because the Helm, here apply d, serves the same purposes in a Ship as the Tail does to Fishes. See Harm.

as the I tail does to Fiftee. See Halle.

It is divided into three or fass Stories. The lowest, at the between of the Keel, is the Bifnar Reem: The feet the tensor of the Keel, is the Bifnar Reem: The feet the feet that the feet the feet that the feet th or Lanthorn, with the Flag.

of Lantoorn, with the rag.
All thefe together form the Poup-Caffle, or Hind-Caffle a
the outfle whereof is richly adorned with Balconica, Galletics, Pilaffers, Tripbies, the Arms of the Prince, Sc.
To have the Wind in Poup, is to have it behind, or favourable. See WIND.

vourable. See Winn.

Some Veffels her beite: Pump fequere, others round.

The Word is form'd from the Latin, Pappin.

The Word is form'd from the Latin, Pappin.

In the Sex-Language, the Pump is infilly the Floor, or

Deck over the Konn'd Houfe, or Matter's Cubbin p being

the Hernel of the Hall selent.

DURL of the Hall selent.

To make Pump-series, is to divide and force the Lands

that fall to Parceers; which before Parition, they held

foodward and pre Individe.

that fall to Parceners which before Enritison, they held injurity and pri noting any indefined by Glenzille to be, many things, in infection by Glenzille to be, when any things in nightly occupied, that properly belonged to the King is an in centrolating on the Gromans, defining the King? High-ways, directing publick Rivers from their proport Courte, or building any things over the High-Streets of 2 Grys and in the general, where any thing is door, to Citica.

Crampton in his Jurifd. Isys, Pour-profitre is properly when a Man takes to himfelf, or encroaches any thing which he ought not; whether it be in Jurifdiction, in Land, which ac ought not; whether it be in jurification, in Lang, or in Franchic; and, generally, where any thing is done to the Nuifance of the King's Tenants.

Some Authors divide Pour-profiture into three kinds a The first against the King, the second against the Lord, the

third against a Neighbour.

third against a Neighbour.

Peur-profiler egainst the King, lib. Nig. in Schee. fol. 28.

is that happening thro' the Negligence of the Sheriss, or the long Continuance of Was, Se. when those that have Lands near the Crown-Lands, include part of them, or lay them to their own

Four-prefure against the Lord, is when the Tenant neg-lects to perform what he is bound to do for the chief Lord. or deprives him of his Right.

or depayers arm of his kingut.

Paur profiture against a Nicibbour, is a Nuifance against
a Neighbour, Se. mention'd in the Month. Town. 1.

POURSUIVANT, a Medicager, aniently attending the
King, is his Wars, or at Council Table, or in the Exchequers to be diffrasted upon any Occasion or Mediager aster the Apprehension of a Perion suffectled, or accusted,

Many of the Nobility, too, had their Pourfitivants: A Knight Banneret was allow'd a Pourfitivant, with the Confent of a Herald.

The Word is form'd from the French pourfluore, to pur-s. There were also Fourshivants particularly employ'd in Martial Caufes, call'd

an Marinal Causes, catta
Poussavis-Marina et Arins 3 a Term antiently apply'd to
Gentleonen, who attended the Heralds, and afpir'd to their
Offices to which they could not rife, till after fewen Years
Appendiceflip path'd in this Quality. See Herald,
They were entirely dependant on the Heralds, and afdicate their Chapter; officiating for them in preparing
Administrating Tournaments, and all other parts of their
Ministrating Tournaments, and all other parts of their

Ministry.

They were haptiz'd at folemn Feafts with fome gallant Name; as folicaur, Verluifaus, Sanfacurir, Se.

Their Coats of Arms were different from those of the
Heralds, and they bere plain Staffs without Ornament.

Of the great Number of Pourfuivants antiently on foot there are now only four remaining; viz. Blue-Mantle, Ronge-Croft, Ronge-Dragon, and Portcoilice. Their Bufiness is to attend with the Heralds in marshalling

and codering public Solemnites, Funerals, Interviews, Cavalender, &c. Sec Contrast of Arms.

Upon, & Ro Militari, calls the Partylevents, Militer Linguages; Secarce, lays he, their thied Honour was in Caffedia Lingue.

Capicaia Lingue.

He divides them into Foot and Horfe Pourfuivents, Curfores Equitantes & Proficutores. Stow, speaking of Richard the Third's End, has these Words: "His Body was "unked to the Skin; and so much as one Cleur about him," and was trusted behind a Pourshivant at Arms, like a "Henry and "the state of the 
" Hog, or a Calf.

POURVEYANCE, the providing of Cora, Victuals, Fucl, and other Necessaries, for the King's House. By a Stat. 12 Car. 2. no Person ander colour of Fourvey-sace shall take any Timber, Cattle, Cora, or other Maters from any Subject, without his free Consent. See Poura-

FOURVEYOR, an Officer of the Houfhold, who provides Corn and other Victuals, &c. for the King's House; mention'd in Magna Charta, and feveral Statutes.

The Name of Fourveyor became fo odious in times pail, that by Stat. 36 Edw. 3. the heinous Name Fourceyor was chang'd into that of Bayer. The Office itfelf was much reftrain'd by the Stat. 12 Cor. 2. See Pourveyance and

POUZZOL, or POZZOLANE, a reddish Earth, used in Italy for Sand. See Sanp.
The best is found about Pouzzoli, Baye, and Cume, in

the Kingdom of Naples.

Mix'd with Lime, it makes the best Mortar in the World. See MORTAR. worsto. See MORTAR.
It bardens and petrifies in Water: It penetrates black
Flints, and whitens them. It is of particular fervice in
making Moles, and other Buildings, in Maritime Places.
Agreement takes it to be of an aluminous and fulpharous na-

ture. See Vitruvius, Pliny. de Lorm. &c. who fet a great

Yaluc on It. FOWER, Petentia, in Physics, a natural Faculty of doing or instraing any thing. See POTENTAL.

Mr. Looke explains the Origin of our idea of Peter to the following effect: The Mind being daily inform of by the Seafes, of the Alberation of the dimple Ideas of things. without; and reflecting on what poffes within itfelf; and observing a constant Change of its Ideas, sometimes by the Impressions of outward Objects, upon the Senses; and Impetitions or curward Objects, upon the Senfet; and fonetimes by the Determinations of its own Choice: and concluding from what it has fo conflantly obfer? d to have been, that the like Chinages will for the future be made in the fame Things, by the fame Agents, and by the like Ways; confiders, in one Thing, the positibility of having any of its fample ledex changed; and fin another, the position of the confideration of the bility of making that Change : and fo comes by that Idea, hich we call Power.

Thus we fay, Fire has a Power to melt Gold, and make it fluid; and Gold a Power to be melted.

it fluid; and Gold a Power to be melted.

Power that confider'd, is two folid, vis. as able to make,
or able to receive any Chango: the one may be call'd setive, the other paffive Power.
Of paffive Power, all footble Things abundantly turaith
us with Ideas; nor have we of aftive Power fewer Intiraces; fince whatever Change is observed, the Mind mast Suppose a Power somewhere able to make that Change,

suppose a Fourer formewhere able to make that Change. But yet if we sententively confider it, Bodies, by our Senfex, do not affind us in clear and diffined in Idea of the Confidence of the Con

Of Thinking, Body stiffords as no Ideas at all; it is only from Reficiles that we have that; neither have we from Body say Idea of the beginning of Motion. A Body, at the When I is de in monion Helf, that Woosn is rather a Pal-tion, than an Adbian in it. The Idea of the beginning of dlorion, we have only by Reficiles on what paffe in our-felves; where we find by Experience, that barely be well-ing it, we can more the parts of our Bodes, which before c at reff.

were at rett.
We find in ourfelves a Power to begin or forbear, continue or end, feveral Adions of our Minds, and Motions of
our Bodies, barely by a Thought or Preference of the
Mind: This Power, which the Mind has, thus to order Mind: This reserve, which the Mind Das, time to verace the Confideration of any Idea, or the forbearing to confider it; or to prefer the Motion of any part of the Body to its Red, and vice eorigi, in any particular Instance, is what we call the Will. The actual Exercise of that Pomer, is that the Will. The actual Exercise of that Pomer, is that the Will. The actual Exercise of that Pomer, is that which we call Volition, or Willing. See Will.

The Forbestance or Performance of that Action, confe-

uent to fuch Order or Command of the Mind, is called Foluntary; and whatforver Action is perform'd without fuch a Thought of the Mind, is call Involuntary. See Vo-

LUNTARY, EG. The Fourt of Perception, is what we call the Under-

flanding. See Understanding.
Perception, which we make the Act of the Understandleg, is of three forts 3 first, the Perception of Ideas in our Minds; the Perception of the Signification of Signs; and the Perception of the Agreement or Difagreement of any

Thefe Powers of the Mind, viz. of perceiving, and pre-ferring, are usually call'd by another Name; and the or-

dinary way of speaking is, that the Understanding and Will are two Faculties or Fourers of the Mind. A Word proper enough, if uled so, as not to breed any Contustion in Men. Thoughts, by being supposed a tester is room to safect it has been just from east Beings in the Soul, that perform those Actions of Understanding and Volitica. See Fa.

From the Confideration of the Extent of the Power of the Mind over the Actions of the Man, which every one finds in himfelf, arife the Ideas of Liberty and Necessity

So far as a Man has a Power to think, or not to think; to move or not to move; according to the Preference or Direction of his own Mind; to far is a Man free, Sre LABERTY.

ELEGRAY.

Wherever any Performance or Forbearance are not equally in a Man's Fower; wherever doing or not doing will
not equally follow upon the preference of his Mind; there
he is not Free, the perhaps the Action may be Voluntary. See NECKSSEY

See Nexessity.

So that the Idea of Liberty, is the Idea of a Power in say Agent, to do or forbear any Action according to the Determination or Thought of the Mind whereby either of them is preferred to the other: where either of them is not in the Fower of the Agent to be produced by him according to Former of the Agens to be produced by him seconding to his Volities, there he is not at Libberry start Agent is un-der Necetifity. So that Liberry cannot be where there is the control of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of the control of the control of the con-trol of the control of t to have any Volition, or Preference of Motion to Reit, or vice verfit. So a Man fittking himfelf or his Friend by a vice verfit. So a Man striking himself or his Friend by a convigince accord of the Arm, which is not in all pearsy by Volition, or the Direction of his Mind, to flop or for-bear; no body thinks, he has Liberry in this; every one pities him, as acting by Necetifity and Confirsint. Again, Improfe a Man be carry'd, whill falt afteep, into a Room, where there is a Perfon he longs to fee, and be there lock'd fast in, beyond his Power to get out; he awakes, and is glad to fee himself in 6 dostrable Company, which he is grad to lee airment in to dedicable Company, which in flays willingly in; that is, he prefers his flaying to go-ing away: Is not this Stay voluntary? No body will doubt it; and yet being lock'd fast in, he is not at liberty to flay, he has not freedom to be gone.

Liberty, therefore, is not an Idea belonging to Volition, or Preferring; but to the Person having the Power of doing, or forbearing to do, according as the Mind shall chuse or direct.

As it is in the Motions of the Body, fo it is in the Thoughts of our Minds: Where any one is fuch, that we have Power to take it up, or lay it by, according to the Preference of the Mind, there we are at liberty.

reterence or the Minn, there we are at 10 thirty. A waking Man is not at liberry to think, or not to think, no more than he is at liberry, whether his Body flial touch any other or no : but whether he will remove his Contemplation from one Idea to another, is many times in his choice; and then he is, is oreflect of his Ideas, as much at liberry, as he is in refrect of Bodies he rotts on. He can at pleafure remove himfelf from one to another.

Yet, fome Ideas to the Mind, like fome Motions to the Body, are fach, as in certain Circumstances it cannot avoid

Body, are fach, as in certain Circumhtance is cannet avoid non obtain their ableact, by the started icter is can vice. Thus a Blast out the Rack in not Cort in consist their ableact in the Cort in the State of the St

Power, in Mechanics, a Force, which being apply'd to a Machine, tends to produce Motion; whether it actually produce it or not. See Machine.

In the former Cafe, it is call'd a moving Power; in the

In the fermer Cafe, it is call'd a sueving Presery in the tance, a Midning Presery.

In the street, is skilled to the street, is skilled to estimate Presery, if the Air, Waste, Fire, Gravity, or Elastic, and insurance Presery. See MACHARICA.

Power is also add in Mcchanica, for one of the fact Power is also add in Mcchanica, for one of the fact Preserved, Presery.

See also cash Presery and the street, which are particularly call'd the Machanic Presery. See this cash National Preserved.

See also cash Preserve under in Spreper Article, Lavass,

BALANCE, Sc.
Powers, in Pharmacy, the Refult of a Combination of Union of the effectial Oils with the Spirit of a Plant 5

wherein, it is supposed, are contained all the principal Vir-tues thereof: whence the Name. Powne, in the Feodal Jurifprudence, a Right which the

rows.a, in the Feodal Juniprudence, a skight which the Lord has no reminte to his Fig. a Dependant Feo beld of him 3 when the Vaffal has altenated it 3 upon reimburfing the Money given for it, with the Legal Colfa. See Fix.. The Lord is to execute his Forevr over the Fee, within a Year after he has notice of the Fall; otherwish be lofes it. The Word is also afed for the Right a Lord has to feize a Dependant Fee, to compel the Fayment of all Dues, Ser-

wice, Ur. Prost at, in Theology a Term sick among the Pahers, Pown at, in Theology a Term sick among depth of the minister, and the prost and the Theology and the Pahers a

Thus the Froduce of the Number 3, multiply by stell, wize, 9, is the fectoud Power of 53 the Fastum of 9, multiply d by 3, vize, 27, is the third Power; and the Froduct of 27, again multiply d by 3, vize, 81, is the fourth Power; and to on to Infinity. In respect hereof, the first Number, 5, is called the Rost, or first Power. See Roor.

The fecond Power is call'd the System; with respect to

"The focoal Tween' is said the Squarry with refrect to which, it is the Square Roat. See Square Roat and which, it is the Square Roat. See Square Square which, the jis the Cabe Roat. See Cwrs. The fourth Tween', it, is call the dependent, or square dates, Square with refrect to which, ji is the Square dates, Square with refrect to which, ji is the Square The Number which flowed low of the Roat is multi-ply disso isled, to form the Tween' ye is how off the Preser than the Square Square Roat and the Square The Modern, effect Durare, see Consecuted to diffin-guelly most of their Power Speech Roat Square.

guith word of their Peters by the Exposures; s.s., pft., p-cond., billed, \$\frac{1}{2}\times \frac{1}{2}\times \frac{1}\times \frac{1}{2}\times \frac{1}{2}\times \frac{1}{2}\times \frac{1}{2}\times \frac{1}{2}\times \frac{1}{2}\times \frac{1}{2}\

Hence, to raife a Quantity to a given Power, or Digni-ty, is the fame as to find the Factum arining upon its be-ing multiply'd a given Number of Times into ittel?— in raife to the 3d Foxer, is the fame as to find the actum S; whose Factors are 2, 2, 2. See SQUARE,

Fowers of the fame Degree, are to one another in a Property or the lame Degree, are to one another in a Ratio of the Roots as manifold as their Exponent contains Units: Thus, Squarea are in a duplicate Ratio; Cabes in a triplicate Ratio; Quadrate-quadrata, or fourth Powers, in a quadruple Ratio. See Rayto.

The Fourts of proportional Quantities, are also propor-tional to one another. See Proportion.

egents to one another. See FROPORTION.

From a given Power it extract the Rose, e. Side; is the fame as to find a Number, e.gr. 2, which multiply'd any Number of times, e.gr. vine, produces the given Power, e.gr. the 3d Power, or 8. See Roor.

To multiply and vinite any Power by another of the finance Root. 12', For Multiplycamen, add the Exponents of the Fatters; the Sum is the Exponent of the Fatters.

2°. For Division, substract the Exponent of the Power of the Divisor, from the Exponent of the Dividend; the Re-mainder is the Exponent of the Quotient. Thus:

Divid. x?  $\begin{pmatrix} x^2 \\ y^n \end{pmatrix} = \begin{pmatrix} y^n \\ y^n \end{pmatrix} = \begin{pmatrix} y^n \\ y^n \end{pmatrix} = \begin{pmatrix} x^n \\ x^n \end{pmatrix} = \begin{pmatrix} x^n \\ x^n \end{pmatrix}$ M. de la Hire gives us a very odd Property common to all Fouers: M. Carre had observ'd, with regard to the

( 855 ) POX
al Vir. Number 6, that all the natural cubic Numbers, 8, 23, 64, 155, whole Root is lefs than 6, being divided by 6, 64, 155, whole Root is lefs than 6, bent idelle, And if the Kemisinder of the Division is the Root itlelf: And if we go faither, a16; the Cabe of 6, being divided by 6, leaves no Remainder's but the Division 6, is infelf the Root. Again, 353; the Cabe of 7, being divided by 6, leaves 13 which, ackled on the Division 6, makes 7 the Root, 256. Which, ackled on the Division 6, makes 7 the Root, 256. Which have the Cabe of the Cabe of the Root, 256. Which have the Cabe of the Cabe

with regard to Cubic Numbers.

with regard to Cable Numbers.
For the finding of thefe Divifors, he differed the fillowing general Rule:
If the Exponent of the Power of a Number be even,
i.e. if the Number he rais'd to the 2d, 4th, 4th Power,
U.e. it must be divided by 2 5 the Remainder of the Di-

28. It must be divided by a 5 the Remainder of the Di-vision, in case there be any, added to a, or to a Multi-ple of s, gives the Root of this Number, corresponding to its Power, i. e. the 2d, cht, \$\frac{1}{2}\text{de}\$. Root.

If the Exponent of the Power be an novem Number, t.e. if the Number be raied to the 3d, 5th, 7th, 36-Towers, the Double of this Exponent will be the Divitor,

Power; the rounce of the Expense of the Expensent of the Thus is it found in 6, double of 3, the Exponent of the Power of all the Cabes: Thus, alfo, to it the Divisor of

all Numbers rais'd to the 5th Power, &c. 

neral Eruption of particular Puffles tending to Suppuration. See Pustle and Suppuration. The Origin of the Difease is uncertain: We find no

ention of it before the Arabie Phylicians. See DISEASE. The Small Por bear a great refemblance to the Mealies 3 fo that for the two or three first days 'tis difficult to diffie To that for the two or three first days 'tis difficult to dilitin-guilth' em: They both arife from an impure Blood, and corrupt Humoura; with this difference, that in the Small Pox, the peccan Matter is more thick and viscid; in the Measles more fubrile, hor, and bilious; and neither of 'em are known to return after having pass'd 'em once. See MEASTES.

Deleus fays, that the Canfe of the Small Pox is brought into the World with us; and lies hid till it find an opportunity of buriling forth : He adds, that there is fcarce one in many thou fands that efcapes it all his Life.

many thou fands that cleapes it all his Life.

Dr. Drake observes, that the Small Par not being founded
in any permanent habitual Disposition, has its Period within
a limited time necessary for the extrusion of the peccent
Matter out of the Pores of the Shin. For the fall Seram
of the Blood being in this Disease, by an accidental Fever, of the Blood heing in this Diearc, by an accelerate Fever, thrown out in great quantities on the Glands of the Skin, acts much after the manner of the Lepra Arabium; but when the Blood is defpumated, the Scales dry, and fall off. So that he thinks it would be no great Impropriety to call

So that he thinks it would be no great impropriety to call the Small Pox, a temporary critical Lepra. See Lerra.

The Small Pox are of two kinds; the Diffinit, where the Pulles fland a-part; and the Confluent, where they run into one continued Cake.

The diffinit, or regular Small Pax, Sydenham observes, begin with a Shuddering and Chilliness, which is succeeded by an intense Heat, violent Pain of the Head and Back, Vomiting, Drowfiness, especially in Children, and some-times Epileptic Fits; which show the Pow to be ready to

tine a Epileptic First which Reiw the Pow to be ready to buttiforth, and that they will be mill fourth duty ; nor. The Rempitican see alwally on the fourth duty; nor. The Rempitican see alwally on the fourth duty; not the power of the second that the second that allows the power of the second temperature. The Politics first appear in the Face, then the Neck, Us. They are at first readfull, by degrees fivel and grow white; on the detected day the Swelling and Inflammation of the Face vanish; and the Putlice be-gin to wither. If ever this kind kill, vit on the Controlled

gis to wisher. If ever disk ide kill, 'tim' on the fourteenth' or friencesholy-me of the delight? Small Pex, as tummested by Dr. Shevo, are, 1. A Pisin in the Head, Back, and Strational Cord. is A Pever, which decreases as the Emptions increase, with reducts of the Eyes. 5. Neight and appearing on the Nock, Face, Breatt, Gr. shows the third or issured day includive, from the beginning of the Illusef. Reflicting C. About the forward or giard day other care. About the forward or giard day includive, from the beginning of the Illusef.

Reflicting C. About the Seventh or cight day, other 5. Reftlethefs. 6. About the feventh or eigent cay, come little red Spots usually appear between the growing Pullules. 7. The Pullules shout the ninth day are at their State 5 being then generally as big as a large Pea, the MatMatter in them well concected, of a whitish Colour in-clined to yellow; at which time, 8. The Patient is usually light-headed and severish. 9. About the tenth day the fuffules begin to dry on the Face. 10. And about the fifteenth they appear fittenth, and begin to scale off; and now the danger is efteem'd to be over.

The diffinat kind is here confider'd mattended with a

Loofeness, and other Symptoms, which fometimes happen in it, as well as in the other.

note, as well as notes once.

The Confusers, or Flux Small Pox have the fame Symptoms with the diffinite, only in a more violent degree:
They usually come out on the third day y not feparate, as in the diffinite kind, but figread into one another; and at length appear all like one whitifu Pellicle, over the whole

Out the shield have the Pellicle darkers. In Skin. After the eighth day, the Pellicle darkens. In Adults this kind is attended with a Salivation 3 in Children with a Diarrhea. The Salivation frequently faceeds immediately after Eraption; the Diarrhea later. The Confluent kind usually kill on the eleventh day.

The Symptoms of the Confluent kind, according to Dr. Show, are, 1. Violent Pain in the Head, Back, and Serobentium Cordis. a. Naulea and Rechebing, with a Fever, which rather increases than decreases after the Eruption.

which rather increases than decreases after the Bruptine, in Chaldren a Dirarham, which usually precede the Europhine, and attends the Difference throughbour, a. A. Carwalfonn, Hondreefe, Difficulty of Breathing, Friederles of the Eyes, and Reflletfields 5 which may also in a leffer degree strend the Adjusted Fore. Che Stose are here more red, birks, and close than is the difficilly and the Space Story and Carbana and Carbana and Carbana and Carbana Story and Carbana and Carbana and Carbana and Carbana Story and Carbana and Carbana and Carbana and Carbana Story and Carbana and Carbana and Carbana and Carbana Story and Carbana and Carbana and Carbana and Carbana Story and Carbana and Carbana and Carbana and Carbana Story and Carbana and Carbana and Carbana and Carbana Story and Carbana and Carbana and Carbana and Carbana Story and Carbana and Carbana and Carbana and Carbana Story and Carbana and Carbana and Carbana and Carbana Story and Carbana and Carbana and Carbana and Carbana Story and Carbana and Carbana and Carbana and Carbana Story and Carbana and Carbana and Carbana and Carbana Story and Carbana and Carbana and Carbana and Carbana Story and Carbana and Carbana and Carbana Story an between them more inflamed and fwell'd; parple or livid Spors also often appear in thefe Spaces; whence the Statell '90s with '9urples. At other times in these Spaces, or on the Heads of the Eroptions, appear Bladders full of clear Water, volgatly call'd the white Heve. Laftly, these Eruptions are frequently depress'd in the middle; and there turn black is whence the black Small Pox.

The Eruptions often rife and fink in the Progress of the Diffemper. They usually first appear about the fourth or fifth day, and come to their State about the fifteenth.

Morron divides the Difcafe into four Stages: The paratus or Preparation, from the time of the first In-tection to the Eruption of the Pustles. The Eruption, which comprehends three States : Eruption ; Maturation ; and Declenfion, wherein the Puttles are first increstated

with a Scab, then wither and dry off.

When the Eruptions are very round, diffined, encompais'd with a red Margin, Go. they are faid to be benign; other-

There are four degrees of Malignancy: viz. when they are univerfally confluent; particularly confluent; diffined, but very fmall and coherent; and diffined, with Petechize

but very finall and coherent; and dittinct, who recombed the very finall and coherent; and military Eruptions. See Parkenia, 156.
Dr. Friend, Dr. Cade, See, recommend Proging and Phlebotomy after an imperfect Crifs of the Small Play; i. e. program after the Pattles decline. bosony after an imperfed Grifs of the Smill [Post 1, i.e., where the Peter termins after the Patilet decline. Not appear it I lodged Reason from on its field; best Pre-gregory and the Patilet Smill, and the Smill of Smill ing, and great Quantities of cold Water to be drank. In the mulipants Smill Post, Dr. Jelfer Found the Blood, when cold, executively tunder and frishle, to as the fortier Festine to the Smill of Smill of Smill of Smill of Smill of Smill of Smill into the Smill of Sm

thing to be more regarded than the Breath and Voice; where thefe are good, 'tis an excellent Sign. He adds that Horfe-Dung is an adminable Medicine, in that it promotes Sweat, faves the Throat, &c.

Sweat, fave the Throat, fir.

A Method of managing the Small Twa, lately introduced from sheed, it by lacotlating them. For the Respiration of the s fo great, that they fearce ever recover their Tone again, fo as to be able any more to arrest the Matter in its Court twards long enough, or in quantity enough, to create those ourwards long chough, or in quantity enough, to create thole Ulcerons Pullics which are the Diagnosilits of the Dificale. For the the fame feverilli Difpolition should arife again in the Blood, yet the Paffages thro' the Skin being more open, the Matter will never be stopyd, so as to exhibit the Appearance of the Small Pox.

Accordingly we find that in Perfons feverely handled with this Difeafe. the Face (which is usually the fullest, from this Diletate, the Face (which is ulbasity the balleth, from the extraordinary oblitudition the Marter meets with-by the great Contlipation of the Portes) feldom returns to its former Dimensions; which Enlargement he accounts for from the Diletation of the Arcele of the Glands and Ports. of the Skin, not from any Augmentation of the Subflance ltfelf.

What confirms this Hypothefis, is, that Nurfes, &c.

who attend Persons tick of the Amail Pev, are frequently a little affected with it 5 and have now and then two or the person of the person of the person of the person of the low form the free Courte of the person of the person of the With this, too, agrees that conflain Obstervation. The People of courte fishes, in whom the Ports are largell, see always more favourably treated by this Distenser this always more favourably treated by this Distenser this conflaint person of the hand if found free it conflaintly leaves fine Skin coarfe-tants if found free. than it found 'em.

This Solution would feem more probable, were it nor that fome have fo very few of their Eraptions, perhaps not above twenty or thirty; which cannot fairly be allow'd

one above twenty or thirty is which assous fairly be allowed for two enlarges. The Fores of the Skitt.

Others hold, That is a genesic Exception, the Carefor of the Careford of t

The occasional Causes of the Small Pex may be, s. Some

Alteration in the Air ; fince they happen most frequently about the Spring Scason ; and both in Europe, and elfewhere, are more Epidemical and Mortal at particular times. where, are more Epidemical and Mortal at particular times, to From Fear, which appears more evident than early to children, as by eating any thing to children, as the carried and the control of the con

fuch an Eruption. fach as Emptoin.

A to the prognofic Signs of the Suitall Pers 3: The footest they appear in the Spring, and the more the Aris in footest they appear in the Spring, and the more that Aris properties.

The conflicts Species below the footest factor and they prove a. The conflicts Species below the footest factor, is dangerous; and the more fo, if attended with a propertion of Urine, Naufer, Retching, Dellriam, spurje but the black back of the Species of s. Distribute's in the confluent kind, are so in hadd c'Stil-dern as in Adults: a A Pepulifium is a regular Armedia of the confluent kind in Adults from the first her feverth friendly, and remove the result of the confluent in a finished part of the confluent in a finished part of the interest of the confluent in a finished part of the confluent following the confluent from the Penulin and Anthon deleted part of the confluent Species. But if the Lengtons to delithed, from remote plann, first first of the planning of the confluent Species. But if the Lengtons to delithed, from remote plann, first first for the planning of the confluent Species. But if the Lengtons to delithed, from remote plann, first first first the good of or remit upon the superance of the Engation, and the Futures to most reso developed the confluent and the Futures to most reso developed the first Sympute difficul-bled. Convisions attending the first Sympute difficul-bility of the confluent planning the first Sympute difficul-tion of the confluent planning the superance of the planning the superance of the confluent superance of the confluent planning the superance of the confluent superance of the confluent planning the superance of the confluent superance of the confluent planning the superance of the confluent superance of the confluent planning the superance of the confluent superance of the confluent planning that the confluent superance of the confluent planning the superance of the confluent superance of the confluent planning the superance of the confluent superance of the confluent planning the superance of the confluent superance of the confluent planning the superance of the con 3. Diarrhan's in the confluent kind, are not fo bad in Chil-

Small Pow in Children, are faid to foreshew the appearance Small Plev in Children, are faid to forther whe appearance of Engithes within review Hoars; which then generally prove diffined, and the Patient does well. In Examile 1900, the transport Correl of Life, in wellay! morral.

Chicken POX, a cutaneous Difectle, frequent in Children POX, a cutaneous Difettle, frequent in

gailhable therefrom, in that those of the Small rox appear with a reducts and inflammation 3 and those of the Chicken Pow whiter, resembling Fefends full of a serous Humons 5 which in three days time baris, and dry away, without any fewer and anger, and as a simple of the series of

The Chicken Pow and Swine Pow feem to be the Small

The Clubben was and Swims Past form to be the Small Pox in a left degree, the 'they formet times precede, and fometimes faceced the Small Pox. The Paffles appear to be of the fame kind, only in the Swime Pox they are much larger, and in the Chicken Pox fomewhat left than in the Small Pox. There commonly appear five or fir, fometimes twenty or thirty on the Face, and but very few on the Rod. the Body.

the blody. The Patient is very little indiffusied, either before, at, or The Patient is very little indiffusied, either before, at, or efter their appearance 3 tho' the fudden finking of them often causel forms officioned for its prefamily relieved by a linite Suck and Saffron, or a Dolfo of Treacti-Water. Grown Perfors fellow keep within Doors for either's Grown Perfors for litter 3 from the proposed for hinder their information for the state of the proposed for hinder their information. ing; fo that 'tis fometimes three Weeks or a Month before they totally disappear.

French

French POX, a contagious Difeafe contracted by a poi-fonous Humour, ufually in Coition; and manifesting Itlelf in Oleces and Pains. See VENERRAL Difeace.

in Ulcers and Pains. See VENERAL Difeste.

The French call it Mal de Naplet, the Nappointan Difeste, because first observed among the Soldiery at the Siege of Naples under Charles VIII. The Italians call it Mal Fress. Naples under Couries VIII. The Hauans call it Mai Fran-ese, and we the Franch Diffese, because first caught by the Franch. The Spaniards call it Sarva das Indias, because

egg, naw the spanings of the spanings of the present. The Spanings call it sarves des Indias, because fift brought from the Wigh-Indias.

FOYNING's Law, an Act of Parliament made in Iraliand, by Henry VII. whereby all the Statutes of force in England were made of force in Iraliand; which before that

time they were not. Nor are any now in force there, made in England fince

The Law took its Name from Sir Edward Poyning, Lord

The Law took is Name from Sit Essard Feyning, Lord Essentant at the time of its making. PRACTICE, in Arithmetic, Practice Beilies, or Ba-lian Ufgest 2 certain compendious ways of working the Rule of Proportion, or Golden Rule. See Golden

They were thus call'd from their expediting of Prafiles, and Business; and because first introduced by the Merchants, and Negoriants of Italy. See Rule.

The most useful of their Prafiless are as follow:

1º. Since the Use of the Rule of Three is to find a fourth Proportional, to three given Numbers 3 divide the first and

fecand, or the first and third by some common Number, it that can be done exactly ; and work with the Quotients in their fiend : As in the following Example. Price of 3 fb is 9 Shil. What's the Price of 7 fb?

Price of 14 fb is 26 Shil. What's the Price of 7 fb ?

The control of the co

Arricle MULTIPLICATION

ATTHER MULTIFICATION.

E.gr. If I all coft to Shil. What coft 957 Ells.

5°. If the first or third Number be 13 the other not exceeding large; and the middle Term a Compound, i.e. consist of several Denominations; it may be wrought without Reduction thus: Price of 1 lb is 3 s. 8 d. 3 q. What's the price of 5 lb?

Facis 18 s. 7 d. 3 q. For 4 Farthings making a Penony, 5 times 3 Farthings make 3 d. 3q. and 1a Pence making 1 Shilling, five times eight Pence make 3 d. 3q. and 1a Pence make 3 d. 4 d. which with 2 d. from the place of Farthings, make 3 s. 7 d. Laftly, five times 3 Shillings makes 15 Shillings, and with the 3 Shillings from the place of Pence, 18 s. The price required therefore is 18 s.

7.d. of the middle Term be not an aliquest, but an aliquest a first a many parts, refolve the aliquest part into its aliquest parts divide the middle Term by the leveral aliquest, the Sum of the Questients is the Answer. To find the aliquest parts centain'd in an aliquant; fee the Table of aliquant parts of a Pound under the Article MULTIPLICATION.

For an Inflance of this Rule : If I Ell coft 15 Shil. What coft 124 Ells?

31

Facit 93 l. mer cale, the fecond, or third, in the latter the first, be refolvable into Factors; the whole Operation may be per-formed in the Mind without writing down any Figures: As in the following Example

Price of 1 th is 24 Shil, What is the price of 20 th?

80

Pacit 48 to i-14 L. feveral compendious Ufages, to fave Multiplication, and Division. Egr.

Division. Egy, If 9 Pounds coft 20 s. What does 1 Pound coft? This obvious the Sum required is had by adding to the tenth part of 20.5. wise. 2. then finth part of that tenth, was 3d. is, and is of a Peony: The Answer therefore is 2 5. 3 d. 4 and 4.

Again: If 1, th. colt 1, 48 Milling, What coths 1 it?
Since 1, it half of 1.5, the doubte of the tenth part of the
Since 1, it half of 1.5, the doubte of the tenth part of the
Agains If If 80 colt 1 2, dly the storm equined.
Since 1 person-1 from the given price doubtled, and
the Remindled 1, it was 2.5, following the firm place
of the Remindled 1, it was 2.5, following the firm place
of the Remindled 1, it was 2.5, following the firm place
of the Remindled 1, it was 2.5, following the firm place
of the Remindled 1, it was 2.5, following the firm place
of the Remindled 1, it was 2.5, following the first of the first place
of the first part of the first place 1, it is shown that the first place
of the first part of the first place 1, it is shown that the first place 1, it is s

is the Sum required.

Again: If \$3 lb coft 14.t. What coft 9 lb ?

Since the price of 9 lb exceeds that of 8 ly one eighth
part; divide the given Price 24 lb § 8; and add the Quetient 5 to the Dividend 4 the Sum 2; is the Aufwer.

8° Sometimes one mays of Everal of the Ecompounds,
partition in the Game Quefition. E.gr. If 100 lb coit
\$2.4.t. What coft 5 lb ?

50) 2. 2 Facit 15 5. 2 d. Again: 60 lb coft 4 s.

What colls 2520 3 6 41 6

PR.E., a Latine Prepolition, literally fignifying before; used in Composition, with several Words in our Language, to denote the relation of Priority. See PREFOSITION and COMPOSITION.

Of late, our Writers, in Words thoroughly anglicized, for pre usually write pre, restraining the Latin Orthogra-phy to Words that are fill Latin. Hence, for phy to Words that ar

PRECESSION. PRÆCESSION, PRÆCIPE. PRÆCIPE, PRÆCONTRACT, PRÆCEPTORY, PRÆDECESSOR, PRECONTRACT. PRECEPTORY.

PREDECESSOR. PRÆDETERMINA-PREDETERMINATION.

PRÆDESTINA-See 2 PREDESTINATION. TION PRÆDICTION, PRÆDOMINANT, PREDICTION. PREDOMINANT. PRÆEXISTENCE, PREEXISTENCE. PREFECT.

PRÆEMPTION. PREEMPTIO PRÆTOR, PRÆTORIAN, PRETOR. PRETORIAN, &c. PRÆCORDIA, the parts about the Heart; e. gr., the Poricardium, the Disphragm, the Hypochondria, and even the Heart itself; with the Lungs, Spleen, Sc. See

Harar.
The Word to ordinarily used for the fore-part of the ReThe Word to ordinarily used for the forepart of the State of the Stat

from the Brain to the Heart and Precording 3 Brates only receiving Nerves to the Practivation by the Branches of the Par Fagure 3 and Man, Blewife, by the Intercellal Pair. The Recision, Dr. Willis well observes, is, that Brates being wood of Difference, and but little fabject to Patifons, enced not, like Min, a double Patings for the Spring, the once of the Norvice of the wirel Function, the other for the Spring the Articlions. See Neava,

SPIRIT, BRAIN, &c.
PRÆMIUM, literally denotes a Reward, or Recom-

Among Merchants, it is taken for that Sum of Money, viz. 8 or to per Ceut. which is given to an Infarce, for in-faring the fate Return of any Ship, or Merchandize. See POLICY of Influrance.

Forter of Informer.

The fame Term is also used in the Money and PaperTrade, for what is given for a thing above Par.

Thus, Lottery-Tickets, Sc. are faid to bear so much, e.gr.,
Too a 10. Freshe, when they are sold for so much beyond
the prime Cost at which the Government vended them.

PRÆNOMEN, among the Romant, a proper Name; or Name prefixed to the general Name of the Family;

as, Caius, Lucius, Marcus, &c. See NAME.

#### PRE PRÆ (858)

The Pronomen answers to our Christian Name, Peter, Paul, &c. It was not introduced among the Romans till long time

after the Nomen. See Nomen. The Name of the Family was given their Children the Day after their Birth; but the Presumen was not given 'em till they took the Virile Habit. See Virile.

Varrorckons up thirty Prenomins among the Romans. The usual ones may be reduced to eighteen.

The Greeks had no Prenomina; they had but one

PRÆPARANTIA Vafa, in Anatomy, the Spermatic Veffels; or two Arceries, and as many Veins of the Tetlicles; thus call'd by the Antients, from an Opinion that the Seed becam to be prepared herein. See Syramatic Veffels,

began to be prepared herein. See STREMATIC Veffels, SRED, and GENERATION. PREPOSITUS, a Term frequently used in our Law-Books: Prepositus Ville is fometimes used for the Chief Officer of the King in a Town, Manor, Village, or Reeve. See PREFECT.

Prepolitus Ville is fometimes alfo ufed for the Conflable of a Town, or petty Conflable. See Constable.

Prepofitus Ecclefie, fee Couren-Reve.

Quattor homises Parrosers, in Crompton, &c. Four Men of each Town which are to appear before the Juffices

of the Forest, in their Circuit. of the Foreit, in their Circuit.

PREPUTIUM, PREFUCE, in Anatomy, the ForeSkin; a prulongation of the Guis of the Penis, covering
the Balanus, Glans, or Extremity of the Yard. See Pe-

KIS and GLANS. Dr. Drake observes, that Nature does not seem more various in any part of her Works than in the Prepute; for the Figure and Proportion whereof, there does not seem any

Standard.

Standard.

Hence, probably, arole the necessity of Circumcision, fo generally practified throughout the Oriental parts; not out of a view to Religion, but to Cleasinics, and to prevent Diferates which a detention of the Mucus of the Substynguist Claude might breed in those hot Countries. For even here the Jame Author adds, he has known forme, who, having large Prepuces, call'd Filbers Prepuces, have been having large Propuest, call'd Filters Propuest, have been frighted at the appearance of a Means owing out upona mere plenitude, from between the Propues and Glans; which 'its probable the great Legislator of the feest might have a view to in the first Institution of Circumcision. See CIRCUMCISION

The Skin of the Prepare is double; at the connection of the internal Skin, to the other part, are feveral oval and roundish Glandales placed irregularly about the joining of the Glass to the Corpora Cavernofa, and on the Gians

Their nie is to separate a Liquor to render the agitation of the *Proputions* on the Glans easy. When this Liquor becomes rancid, as upon old Age, or Veneral Contacts, it executates the Glans and *Proputions*; and even sometimes contracts the latter, and renders it necessary to be divided to afford a paffage to the Glans. See Philipposis and Pa-

RAPHINOSIS.

REAGESTE, in a fitnosomy, shew Nebalasa Stara, in the REAGESTE, that the shows the Commod to the star of the control of the cont

Such an Answer to a particluar Person, is call'd fimply

Refeript. Prips. See RESCRIPT.
The Word is form'd from the Greek περγμα, Negotium,

Basinst.
The Term Prognate Smillies in chiefly sted a mange the Madern Waters, for that finance Ordennace of Clarks: The Term Prognate Smillies in chiefly sted a mange the Madern Waters, for that finance Ordennace of Clarks: I all the Control of Excitisation Diriciples, conformable to the Clines of Excitisation Diriciples, conformable to the Clarks as a Barrier Smillier, was to regulate the form of Election made by the Clergy is no declare the form of Elections made by the Clergy is no declare the form of Election made by the Clergy is not clear a Third of the Renfers to Conformate is a shallful Reventer at the Conformation of the Conform

Pope Pins II. obtain'd an abrogation of this Sandlien of Lonit XI. On which occasion the Court of Rome, trans-parted with Joy, draggd the Pragmatic thro' the Streets, whipping it all the way, as Xuress anientity did the Hellef-gent. But the Parliament opposed this Abrogation with a great dead of Vigous, and reluted its Contient to the last So that manger all the Efforts of Rome, the Sandlien fill

held in force; till the Concordat pass'd between Pope Leo X. and Francis I. in 1515, when the Prognatic Same.

La X. and Fanorit I. in 1517, when the Tragmatic Section was aboiding Sec Concompan. The Parliament of Traits again opposed the Innovation, and refuside to confirm the Concording, and was not brought and refuside to confirm the Concording the Parliament of Parliament of the Concording the Parliament of the Confirmation of the Concording the Tomos of the Tragmatic Sandlism. PRAGDWATICAL, a Term formstimes soft in the fine Trans Greening, in the Information of the Confirmation of the Tomos of the Tragmatic Sandlism. PRAGDWATICAL, a Term formstimes soft in the fine train Mechanical, or Pratical Experiment, which the address that the Confirmation of the Confirmation of Tragmatical Examples; and in the fame (safe in if one. Pragmatical Examples; and in the fame (safe in if one. PRAGTICAL, or PRAGTICAL, the Commerce a Number of Parliament of the Commerce as Number of Parliament of the Commerce as Number of Parliament o

PRATIQUE, or PRATTICK, in Commerce, a Nego-tion or Communication of Commerce, which a Merchant-Vessel obtains in the Ports it arrives in, and the Countries it

difcovers. Hence to obtain Pratique, is to obtain a Liberty to fre-quent a Port, to go a-shore, buy and fell, Sc. We could never have any Pratique with the Inhabitants of Nous

Zembla.

Zambla.

The Word is Franch, and fignifies, literally, Praclice.
PAATQUE is particularly used for a Licence to traffic,
granted to the Matter of a Ship in the Ports of Indey, upon
a Bill of Health 3, that is, a Certificate that the Place
where the came is not annoy? with any infectious Disaste.
PRACKEANS, a Sect of Heretics, so call'd from their

This Herefiarch was of Afia, and lived in the fecond Century. He was at first a Disciple of Montanus, but quitted him, and soon after for up a Sect of his own; reaching, that there was no Plurality of Persons in the Godhead; and that it was the Father himfolf that fuffer'd on the Crofs. Which Sentiment was afterwards adopted by the Monarchies, Sabellians, and Patripaffians. See Sabel-LIAN, PATRIPASSIAN, &C.

PRAYER, in Theology, a Petition put up to God, either for the obtaining of fome future Favour, or the returning of Thanks for a past onc.

turning of Thanks for a patt one. Divines diffinguish three kinds of Prayer; Focal, which is cloth'd in Words and Sounds to be utter'd with the Month; Mental, which is only form'd or conscived in the Mind, and not deliver'd in Words; and Eigealstory, which is a thort, fadden flight without Study, Order, or Method.

is a thort, ladden tight without Study, Order, or Method. See Vocan, Minyan, Ed.

The Myttic Divines, again, diffinguish Prayer into Adlive and Paffer See Acrive and Passive.

Among as, Ivayer is frequently confidered under the di-Among us, frayer is frequently confidered under the di-visions of Precentivel and Estemporary. Under the first come all fet Forms, whether public or private, by which the Mind is directed in the Order, Manner, Expression, 25°c, of its Pettions. The Geomod is that where the Mind is left to hitelf, its own Conduct, both as to Matter, Manner,

Words, &c Common PRAYER, fee LITURGY.

BISHOP and DEACON. Bishop Wilkins has deliver'd the Art of Preaching in a

Treatife call'd Ecolofiaffes, or the Preacher. See Ecole-SIASTES. The Word is derived from the Hebrew, Parafeb, expo-

ADE WORD IN GENERAL THOM THE HEBERO, Parafillo, explained, and Coder of St. Dominic affilme the Quality of Presching, Protection, Enterprediction or predictions. See DOMINICAN.
PREADAMITE, Practaming, a Term given to the Inhabitrants of the Earth conceived, by some People, to have lived before Adam.

Jaac de la Peregra in 1655, publified a Book to evice the Reality of Pressamites, by which he gain'd a confiderable number of Profelytes to the Opinion; but the Anfwer of Demaress, Professor of Theology at Groningson, published the Year following, put a stop to its Progress;

tho Peregra made a Reply.

His Syltem was this: The Jews he calls Adamises, and fuppofes 'em to have filled from Adam; and gives the Title Preadamites to the Gentiles, whom he supposes to

have been a long time before Adam. But this being exprefly contrary to the first Words of Genesis, Persyra had recourse to the fabalous Antiquities of the Englishms and Chaldeans, and to some idle Rabbies, who imagined there had been another World before that

deferibed by Mofts.

He was apprehended by the Inquifitors in Flanders, and ery roughly used 3 the in the Service of the Dauphin. very roughly very roughly efed 3 the 'in the Service of the Mengine, Bart ha papeled from their Sentence to Rune; whither he went in the time of Altesnater VII. and where he printed a Retractation of his Book of Predamites.

PREAMBLE, in Law, the Depinning of an AR of Parallement, 86, fevring, as it were, for a Key, to open the Intest of the Makers of the ARs, and the Mitchieft design of the ARS, and the ARS,

fest of the Barkers of the Acts, and the Buildings de-gened to be prevented or remedied thereby. So Act. PREBEND, Preferals, the Portion a Probendary re-ceives out of the Effate of a Cathedral, or Collegiate Church. See Princepary.

CHIVES OUT OF THE DIAGO OF a CATHOLINA, OF CONTROLL.

Church, Soc PERBENDARY.

The Term Probend is usually confounded with Canonicate, Canonica y yet there is a real difference.

A Probend is properly a Right which as Excleditatic has in a Cathodral or Collegiate Church where he officiates, to pective certain Ecclefiattical Revenues, and to enjoy certain Daes, either in Money or in kind; (io call'd à Prebendo, q. d. afforded, or allowed him; not à Prebendo Anxilium, or Concilium Episcopo) whereas a Canonica is a mere Title, or spiritual Quality, which a Person enjoys independent of any Prefistion, or any temporal Revenue: So that the Presend may subsist without the Canonicate; but the Canonicate is inseparable from the Present.

Lanourcate sunteparable from the Probend.

For it is not to the Probend that the Right of Suffrage, and other [piritual Rights are annexed, but to the Canonicate 3 and when the Probend is join'd to the Canonicate, it becomes Sprintal by virtue of the Canonicate to which it is attach'd. See Canonica.

Antiently the Pope created Canons with a Right of taking place in the Choir, a deliberative Voice in the Chapter, and an expectation of the first Prepend that should become and an expectation of the first Preferent that Rould become vector 1 but this was problible by the Council of Versit, seekers 1 but this was problible by the Council of Versit, where the week of the Council of Versit, but between the world confer a Dignity in a Chartch, for the dead, when he would confer a Dignity in a Chartch, for the confining whence, it is required the Councilate he a Canoni. This they call a Canonic and Preference and forecome of the Council of Council of the Council of C

others Semi-Prebends others Assist Presental.

Originally the Configuration was only a Listery, or Penins of Criginally the Configuration of Presentation to Presentation to the Configuration of the

Presends are either Simple, or with Dignity: The lat-ter are fuch, as, beside their Presends, have some Juris-

diction annexed to 'em.

diction annexed to em.

Theological, or Divinity Probend, is a Probend affected to a Doctor in Divinity, in each Cathedral and Collegiate Church throughout France, for preaching on Sundays, and making a public Lecture thrice a Week.

Preceptorial Prebend, a Prebend, the Revenues whereof are defined for the Support of a Preceptor or Mafter, who is obliged to infract the Yound of the Place gratis. The Canonate is not here necessary to the Prebend.

Panermus observes, that in the Cathedral-Church there are Probends referv'd to Laymen, and for the Subfiftence of fome Persons of Birth and Distinction. PREBENDARY, an Ecclefiallic, who enjoys a Prebend.

Prebendaries, and Cauous of Cathedral and Collegiate Prebendance, and Gaoons of Cathodral and Collegate Churches, have this incommon, that they have such a Yor-tion of the Reveness of the Church for their Subfillence; the one under the Tille of Preferands, Prebend; the other ander the Title of Gaounties, or Gaountiest; and Isave each Places, and Voices in the Chapter: But they differ in this, that the former rectore his Parties or Prebend in Conf-deration of his officienting and Gerving in the Charles's but the latter without any fuch Confideration, merely by his being received into the Cathedral or College, per affigua-tum stallam in Choro, & locum in Capitulo. See Canon,

Golden PRESENDARY of Hereford, call'd also Prebenda Galaca Frienkin Art of Hereford, call'd allo Prebenda-ries, who has, ex officio, the Grit Casca's Place that falls. He was antiently Confessor of the Bishop and Cathedral, and had the Altarages 3 on which account he was call'd

PRECARIE, or Prees, in our antient Law-Books, Day's-works, which the Tenants of certain Manors are bound to give their Lords, in Harred-time; and which, in bound to give their Lords, in Harvett-time; and worse, in fome places, are corruptly call'd Bind-days, for Biden-days, from the Sason, Biddan, to pray. Baldevinus time bounts pro iis. S dimid. S ii Gallinas S xx ous S iii Precarias in Autumno; uno cam bomins,

is arare, &c. Monaft, Angl.

Magua Precaris, was a great or general Reaping-day.
The Lord of the Manor of Harrow in Middlefes had, a Rich a a Cofton, that by Summons of his Baileff on 22 general Reap-day, then call'd Magua Prevaria, the Tenants floud do one hundred ninery-nine days Work for m 3 every Tenant that had a Chimney fending a Man. PRECARIOUS, in Commerce, is properly a kind of

Trade carried on between two Nations at War, by the Interrention of a third at Peace with 'em both,

terrentice of a third at Peace with 'em both.

Thus the English bold a preserrors Commerce with the
Spaniard by meins of the Portagenf's when the rew
Spaniard by meins of the Portagenf's when the rew
to the Colors, and North With, the Intellection is Veffel, in
Colors, and North With the Intellection is Veffel,
Pascantous, in Jurifyredence, a Term intellection of Stock, whereof a Perion has not the full Proprint,
whereof he cannot dispose absolutely, and which is most
of it berrow d.

PRECE Partium, in Law, the Continuance of a Suit by content of both Parties. PRECEDENCE, PRECEDENCY, Rank, a Place of Ho-

nour, which a Person is entitled to in Companies; cither f fitting or walking. Precedence is either of Coursefy, or of Right, de jure.

The former is that due to Age, to Estate, &c. which is regulated by Costom and Civility; the latter is fertled by

Authority, and where broke in upon, gives an Action at

Authenty, and waters broke in spee, gives an Action at
The Point of Processing vision events by the Heralit.

After the King, the Princessor the Blood, two. the Soon,
the Roman and the Princessor of the Blood, two. the Soon,
the Roman and the Blood and the Blood and the Blood
Alp of Contributy, then the Lord Chaoceller, or Lord
Alp of Contributy, then the Lord Chaoceller, or Lord
Contributy, the Soon and the Blood and the Blood
Contributy, the Blood and the Blood
Contributy, the Blood and the Blood
Contributy, the Contributy, the Contributy
Majors, Coptain, Battele Direct, Lieuters, Majors, Coptain,
Majors, Coptain, Battele Direct, Montributy, Majors,
Coptain, Battele Direct, Montributy, Majors,
Coptain, Battele Direct, Montributy, Alexandre, Mechanicky,
Ann., Grandren, Alconer, Traction, Michaelicky aw. See Nobilty.

Arts, Gentlemen, Yeomen, Tradelmen, Mechanicks.
Note, That great Officers of Court, of what degree fo-Note, I has great Officers of Court, of what degree fo-cer they are, take place above all others of the fame De-gree or Order of Nobility; viz. the Mafter of the Horfe, Lord Great Chamberlain of England, Lord High Coefiable of England, Lord Marthal of England, Lord Admiral of England, Lord Steward, and Lord Chamberlain of his Ma-latic, Manager

jeity's Houshold. jetty's Houshold.
So the Secretaries of State, if Peers, take place of all of that Degree, except the Great Officers aforefaid.
Dukes, Marquelles, Early, Barons, gic. not having any of the faid Offices, take place according to the Sensority of 
their Creation

The Ladies take place, or Freezdency, according to the Degree of Quality of their Husbands. PRECEDENT, in Law, an original, nuthentic Inframent, or Writing; ferring as a Form to draw others by. Sec ORIGINAL, SC.

Hence Previous Books, Sc. full of Draughts of Deeds, Conveyances, Sc. for Attorneys. PRECENTOR, or PRECENTOR, a Dignitary in Carlie-

dral Churches, popularly call'd the Chanter, or Mafter of the Chair. See CHANTER. The Precenter is so call'd, from the Latin pre, and cano; because he is supposed to lead the Choir, and sing

before the refl PRECEPT, in Law, a Command in Writing, fent by a Chief Justice, Justice of Peace, or other like Officer, for the bringing of a Person, Records, or other Matters, be-

fore him. PRECEPT is also used for the Command, or Incitement,

whereby one Man this up another to commit Felony, Theft, &c. Bratton, lib. 3. Tratt. 1. cap. 19. whence we may obferve three Divertities of offending in Murther; Praception, Fertia, Concilium. Preception, is the Infligation uled before-hand; Fortia,

the Affaitance in the Fact; Concilium, the Advice either

the Animance to the Part's Contestium, the Advice either before or after. See Muratura.

PRECESSION, PRACESSIO, in Aftronomy, a Term apply'd to the Equinoxes, which, by a very tlow infenfible Motion, change their place; going backwards, or weffward, i.e. in autocolonia as the Altronomera call it, or contrary to the Order of the Stime. See Programme

1.6. In anteconomies as the Altronomers causis, or constant to the Order of the Signa. See Revinox. It is flawn, in the new Altronomy, that the Poles of Solfliers, the Equinoxes, and all the other Poles of the Ecliptic, have a retrograde Motion; and are continually moving from Eath to Welf, or from Arties towards Fifes, EG, by means whereof, the Equinoctial Points are earry d

further

INCRESORS

further and further back, among the preceding Signs of Stars; at the rate of about 50 Seconds each Year; which retrograde Motion is call'd the Preceffion, Recession, or Retrotession of the Equinoxes.

Hence, as the fixed Stars remain immovable, and the

Hone, a the fixed Stars remain immovable, and the Equinoses go beckward; the Stars will from more more and more Earlward with regired thereasy whence the Landau and the star of the star Fonts; and the Stars which were then in Conjunction with the San when he was in the Equinox, are now a whole Sign, or 30 Degrees, to the East thereof: Thus the first Star of Artist; a now in the Portion of the Ecliptic call'd Taurrus; and the first Star of Taurus now refides in Granisis and Commissis advanced into Cameer, &c. See Star valuis; and Granisis advanced into Cameer, &c. See Star

and Constellation. The Equinoxes will have made their Revolution Wed-ward, and will be return'd to Aries again; or the Confiel-lations will have made theirs Eastward, and will again fall into their former places, with regard to the Equinoxes, in 25816 Years, according to Tycho; in 25920, according to Ricciolus; and in 24800, according to Caffini.

I no Antients, and even fome among the Moderns, have taken the Equinoxes to be immoveable; and aferthed that Change of Diffiance of the Stars here-from, to a real Mo-tion of the Orb of the fixed Stars; which they suppose to have a flow Revolution about the Poles of the Ecliptic; fo as that all the Stars persons, the Course of the nave a 1000 Mevolution about the Foles of the Ecliptic, fo as that all the Stars perform their Circuits in the Ecliptic, or its Parallela, in the Space of \$5900 Years 3 after which, they flouded all return again to their former places. This Period the Antients call'd the Platonic, or great Thors; and imagind that ar its Completion, every thing would begin again as art first: and all things come round in the force Code the base.

in the fame Order they have already done. See Platonic YEAR. The Physical Cause of the Precession of the Equ

The Physical Caufe of the Pressification of the Equinoxes, Sit Ifface Newton demonstrates, closs arise from the broad spheroidal Figure of the Earth; which again arises from the Earth's Roution a-round its Axis. See EARTH.

PRECIOUS, or PARTITUS STONE, call'd also Gem., and generally in a Stone extraordinarily hard, durable, transparent, and of a beautiful Colour, or Water. See STONE and

GEM.

Of these we may diffinguish three Kinds: 1°. Such as are entirely transparent; which again may be divided into sinch as are inter-closu-self, as the Dismond; or coloured, as the Emerald: Which Division of coloured Gerns may be subdivided into those of one Colour, as the Ruby; and those with several, as the Amerbyst. 2°. Brilliant, or shining, as the Boltemian Granate. 30. Semi-transparent, as

Bifhop Wilkins divides precious Stones into more and hes Billion William divides precious Stanes into more and hijs resulperars. The hij transplarme he dillinguishes by their Colours: 160 red, as the Sardiss and Cornelina; pale, fields the colour state of Maria Nail, as the Chrys-leth Colours, and the Chrys-Carlotte of the Christolory, had their of various Colours; perform as the Christolory, had their of various Colours; perform as the Christolory, had their of various Colours; perform the dillinguishes into fisch as re-colourfiel, as the Dismond and white Suphirs and colourd, which are either red, as the Rathy, Cirmonde, and Gra-mer's vellow, as the Chrysline, and Topuss; green, as the new transport of the Chrysline, and Topuss; percent as the state of the Chrysline, and the Suphirs and the Suphirs and worstoe vellowing the Chrysline, and Topuss; percent as the and worstoe vellowing the Chrysline, and Topuss; percent as the and worstoe vellowing the Article Stanes.

Emeraid, Smisagd, and Beryl; bleetih, as the Saphin-bar parle or videacous, as the America and Hyacinh. Dr. Hodeford divide preclaim Sinces formeshar more than the state of each of the state of the s Ocaius Cati, and Ocal. 5d, Transparent Stones are either evilt Oclavar; as the Topus and Jachth, yellow, or paraking thereof; Granate, Raby and Amethyti, red; Saphire, Water Saphire, and Aquemarine, blue; and Emericald, or Cybidine, green, or paraking thereof: or existence Technology, as the Crystal, Freudo-Diamond, white Saphire, and Diamond.

And Diamoni.

The natural History, Characters, Properties, &c. of each
Stone; See under its proper Article: Diamond, CorneLian, Ruby, Turquois, Onyx, Emerald, Cryso-LIAN, R The Medicinal Virtues of precious Stones, or Gems, in the

neral; see under GEM The Origin and Formation of precious Stones, fee under STONE.

For the Art of engraving on precious Stones, fee En. The Art of cutting them, fee under LATIDARY, PRECIPE, or PRECIPE quod reddat, a Witt of great Diversity, both as to Form and Ufc. See Entray and

INGRESSUS.
It extends as well to a Writ of Right, as to other Writs of Entry and Pofferfion's and its fometimes call'd a Writ of Right, slope, as when it illuse out of the Carro I'vellote; fometimes a Writ of Right, petent, as when its if faces out of Chancery, patent or open, to any Lord's Court, for any of his Tenants deforced, against his before.

PRECIPITANT, in Chymiftry, a Term apply'd to say Liquor which, being pour'd on a Diffolution, feporates what is there diffolved, and makes it precipitate, i.e. fall to the bostom of the Vetfel. See Dissolveron.

Thus Oil of Tartar, and the Voletile Spirit of Sal Arniac, are Precipitants, with regard to the Diffolution of

Gold in Aqua Regalis; and common Water is a Precipi-tant, with regard to the Diffolation of Jalap in Spirit of Winc. See PRECIPITATION.

Wine. See Hauseryariou.

Pateryram, i afu qu'el médicine, for a Remoty
Pateryram, i afu qu'el médicine, for a Remoty
Pateryram, i afu qu'el médicine, maniferent
intérprise au précipiese aux herrogeneus Matte
control de la comment de la control de la control
de la Chieferte, which that Matter had costied.

Melle Diederte, behab that Matter had costied.

Melle Diederte, la control de la control
de la control de la control de la control
de la control de la control de la control
de la control de la control de la control
de la control de la control de la control
de la control de la control de la control
de la control de la control de la control
de la control de la control de la control
de la control de la control de la control
de la control de la control
de la control de la control
de la control de la control
de la control de la control
de la control de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la control
de la contro

PRECIPITANT.

The Chymilis make various Pracipitates of Mercary,
The Chymilis make various Pracipitates of Mercary,
which are of various Colours, as the Pracipitants vary
vis. White, Red, Zellous, Green, &c. See Meacury.
The white Pracipitate, is prepared of Mercury diffused
in Spirit of Nitre, and precipitated with Salt-Water, or Spitit of Salt, into a white Powdet.

rit of Salt, imo a white Powder.

If in list of the former Precipiants, hot Urine he powd on the Disloution, we have a pale Rest Colour.

To make the red Precipiants why sike the Disloution for make the red Precipiants why sike the Disloution for make the red Precipiants of the Native Colour and the fall middly over a gentle Five. In Nitre, evaporate all the Hamilton over a gentle Five. In Nitre, evaporate all the Maria which we have the colour for the Precipiants in and with Mercan Colour. Green Precipiants is made with Mercan Colour for the Precipiant in the Nitre Precipient in the Nitre Precipien

ry, Copper, and acid Spirits—Tellow Precipitate with ereary, and Oil of Vitriol: But these three last are im-Mercury, properly call'd Precipitates; because not procured by Pre-cipitation. See PRECIPITATION.

cipitation. See Pareirirarion.
PRECEPTATION, an Operation in Chymidry, being a kind of Separation, whereby a Body difficil di nary Liver and the Company, indexed flower from, and falls down on the button of Company of the Company o

Artificial Precipitation, is when fome other Body, call'd a Precipitant, is added to procure this Separation. See PRECIPITANT.

PARCHETTANT.
There is also a total Precipitation, wherein the difful-'d
Parts are all separated, and sunk to the bottom; and a
partial Precipitation, wherein the Parts difful-'d are still
suspended in the Fluid; and don't fall down.

# Theory of PRECIPITATION.

To account for the Operation of Prezipitation: It may be observed, that a shall Menstraum may be made to fell that a Body specifically heavier than itself, either by making the Resistance, arising from the Cohesian of the Farm of the Fluid, equal to the Excels of specific Gravity of those Bodies above that of the Mindraum. See Mixes

Or, by the heavy Body's being join'd to fome lighter one; fo that the two together only make one whole, equal in weight to the Fluid.

in weight to the Flaid.

In the first case, the Resistance, we know, is still proportional to the Surface of the Corposcles; so that the Surface being diminish'd, the Resistance is weaken'd it the Proportion therefore of the Tecacity of the Menstraum, or the Gravity of the Corpufeles being thus destroy'd, a Fre

cipitation must enfue. righterion must cause. Precapitation, then, may be effected two ways, on this Foundation 5 vize, either by the dropping in a Liquer fre-cifically lighter, or free-ifically heavier; in the former Cafe, the Gravity of the Menfitzum, which is always proportional to the compound Gravities of both, will by this Mixture between Them the Menfitzum being diluted, the Force

ome lighter: Thus, the Menttruum being diluted, the Force

of Cohesion is also weaken'd, so as to become unable any lunger to sustain the Bodies; so Hydrometers, which are

longer to fulfain the Bodies; fo Hydrometers, which are early fulfain'd in Water, upon posing in a good deal of any barning Spirits fink to the bottom of the Glafs. And this agrees nor only with the Laws of Mechanics, but with Experiments: Thus Spirit of Sal Armoniac does very plentifully precipitate the Filings of Metals, diffolived in acid Mentiraums; the it be abundantly lighter than any

in acto twomstanding of them.

If it them, or in the property of them of them, whole of the property of the pr

den Sulphur.

den Sulphar.

After the same menort, Water, Vinegar, &c. m.ke a
Prezipitation from Acid, ho' more springly: Nay, Aprezipitation from Acid, ho' more springly: Nay, Astrain strain st

In the 2d Cafe, Precipitation will fucceed by the Addi-tion of a heavier Liquor to the Mentiruum. For the Partieles of this Liquor, what with their Weight, and what with the Impetus they acquire in their Defects, carry down and fink all the folid Corputeles they meet with in their way; fo that the Corputeles being thus forced down, and kept there by this adventitious Liquer, cannot mount up into

their former Situation.

there by this adventitions Liquer, ennote mount up into their former Genautor of this Retention by Descriments not only acid Spirits, but even mere Warte, will be found to preciniture. Inductor of Vegentheir controlled by Spirits on preciniture. Inductor of Vegentheir controlled by Spirits with Water, or Wine, are precipitated very coposally by acid Spirits, which are heavier Spirit of Six Amounies, are Bettalis, which Cil of Virrits), or Spirit of Nitre. When Indipoded in Agan Perrit, they are precipitated with Cil of Virrits, or Renearts Spirit of Nitre. When Indipoded in Agan Perrit, they are precipitated with Cil of Weith, and the Cil of Miller of the Cilina with a the lighter ones. This is projectly the Cil of diffidence Mentis, and to this may when the Li Cafe of Percipitation be to the precipitation of the Cilina of the Cilina of the Perriter of the acid Spirits, which see provides by their ex-terner. Littlends, only floar, because united to very light Prairies of the acid Spirits, which because the mid-product Smallnefs, and of their Union with the Acids, frequently contribute to the Effect.

ribute to the Effect. continue to the Effect.

Now, as they are in a forced Equilibrium with the Fluid wherein they fwim; and as the Caufer that fulsin them, are only accelurate a single continues to the single continues to the single continues the single continues to the single continues the single continues the single continues to th unire, affirme a fmaller Surface, with regard to their Maß; thus, being no longer held up by the Largene's of their Surfaces, they fablide to the bottom.

When the Menitraum abandons a diffolyed Body; it that Body be lighter than the Menftraum, the contrary to a Precipitation will enfue, i.e. the Body will rife: Thus Camphor being mixed in Oil of Olives, and the whole dif-

Campho being mixed in Old Olives, and the whole dis-loyed, the Camphor rise first, 62-when absorded by the Difficient, are equally heavy with the Infalining Fluids they will edither file on Edils of Herval of them now re-uniting form little Maffey, further to figure the man-ter of the Herval of the Herval of the Herval for the Herval of the Herval of the Herval for the Herval of the Herval of the Herval Men, make it let go the greater plan of the refineme Far-ment of the Herval of the Men, make it let go the greater plan of the refineme Far-

Thus is effected what we call an Imperfest Precipitation; which, in reality, is no more than a Difposition to

Precipitate.

If in this Cafe, the Aqueous Particles of the Fluid be hid, and as it were, abforb'd among the gross Molecular of the diffolyed Matter; it forms what they call a Congulum.

See COADULATION. ONC LABULATION.

Sometimes, when the Liquors are pour'd on one shother, the Salts with which they abound, being put into Morion, by their attractive Force, they ran mursuily to embrace one another; and because they don't recoil far back sire the Congress, they are at length in unites, as to become like a Solid, there being very little Philerm remaining, as a two polervable in Zartaman Variodation.

In the Experiments the suppose field a Could's out Effertiveness, at experters alread in the Miniture, which the Stift are direct. And upon this depots the Retrockenes, at experiment and ship of very great seconds for Oil of Tarnet's precipitating Euclie affined in Acids, any observed that them is making a kind of Co-gustine with their Corpullers, and thereby becoming on the Corpulers, and thereby becoming to Such race the general Principles of Proprietations. PRECETTORY, PLACETORIA, or Community, a success fine of the Computer of the Computer of the Misler, with the Utiles of Proceptorist Yangli, i.e., Majors of its training to Computer of the Computer of the Computer only a kind of Collan, all Computers of the Computer of only the Computer of the Computer of the Computer of the colland of Colla, all Cabridous to their practical Misses, only the Tarkets. In these Experiments there happens such a Conflict and

6n) § Sind of Cells, all luberdonate to their principal Man-lon, the Tenth in Lindon. See TEMPLE. Of their Preceptories, Digidate fays, the finds fasten exceeded, as animality belonging to the Templars in Eng-land; via Criffing Temple, Eriffeld, Shangay, Newdand, Tevaland, Withom, Temple Temper, Williagram, Robbiery, Commigner, Temple Couls, Trivigh, Ribbarn, Monar St., Jahn, Temple New Gran, and Temple Harlf. But there were See COMMANDRY.

imore. See COMMANDE.

PRECIPCIT, in Jurifrendence, an Advantage belonging to any one, in a thing to be divided to a Portion taken off, and fet by, in his favour, fevr the Divideo be made. In soble Patrition, the Eldelf has always the principal Fief, or Manoer, for his Preciput.

The Preciput coincides with the Right of Primogeni-

The Word is form'd from the Latin Precipuus, Chief, PRECISION, Pamerero, in the Schools, the fame

PRECONISATION, a Proposition or Declaration, which are Cardinal Patron makes in the Confistory at Rome, of a Person nominated by some Prince to a Prelature; by vir-

tue of Letters, whereof he is the Bearer; which the Pope complying with, gives his Collation.

The Date of the Bulls is difpatch'd on the fame Day

with the Preconifation.

PRECONTRACT, a Contract made before, or prior to another; chiefly afed in relation to Marriages. See PRECURSOR, PRECURSOR, Fore-runner, in Theolo-

gy, a Person who goes before any one to notify his com-

8) a Fritius was gestlerky applyd to St. John Baptiff, who is tilled the Prescript of Iclas Chril, from what is faid of him by St. John John John Chris, from what is faid of him by St. John, John John go before her perfect the property of 
St. Augustin is look'd on as the Founder of the Sect of Presignarians; he being the first of the Fathers that come to have afferted the Dostrine in such express Terms; the the Janfenills and Jefuits are still greatly divided about the real Doctrine of St. Augustin, in this Article 3 each in-terpreting him conflictently with their nwn Scheme. See JANSENIST, Co. Father Strmond contends for an antient Sect of Predefi-

Father Strumold contends for an antient Self of Pradefi-merians, contemporary with St. Angullia limitelf, and who had their Rife in Africa, in the Monastery of Africanes; I from a Mifunderflanding of St. Angullin's DeCente. "Twa added, that the Opinion spread inence throughout the Gauls's where one of them, a Prieft named Lacidus, was condomn'd by Fanguit Billing of Rhogio's and his Sentence

confirm'd by two Councils.

The Doctrine was again broach'd in the ninth Century The Doctrine was again broached in the ninth Century by Gode/ficheldung a Becondilline; who, as Hintensor in a Letter to Pope Nicholat, fays, maintaind with the antient Predefilientism who had been already anathematized, that God predefilinated fome to eternal Life, and others to external Death; that God did not will all People to be faved; that Jefus Chrift did not die for all, but only the Nicholates of the Christian People of the Road of the R

Elect or those that are saved, &c. See GRACE, &c. This Doctrine was again condemn'd in a Synod b Menta: But the Jaufenifis, particularly the Friends of Meff. de Port-Royal, and among the reft, the Prefident Moth. See Year-Royal, and among the relt, the Frifident Managum, have refured F. Sirmond, and thew, that the Herely of the Probalinariam is a mere Chimzers adding, that S. Engleating, S. Projepr., and the other Disples of S. Angollin, only lock'd on it as an imaginary Herely, invected by the Enemies of S. Angollin's Dockine, to traduce it. In effect, the chief Evidence Father Stream produces not be contary; is the Pricile of Maryllin, who

are suspected of Semi-Pelagianism. See Semi-Pela-PREDESTINATION, in Theology, a Judgment, or Decree of God, whereby he has refolved, from all Eter-nity, to fave a certain Number of Persons, hence named

Detree of the property of the property of Persons, hence named Eleft. See ELECT.

Other Divines define Predefination, a Decree to give Faith in Jelas Christ, to a certain Number of Men; and to leave the reli to their own Malice, and Hardness of Heart.

The Remonstrants define it more laxly, and generally, the Decree of faving Believers, and damning Unbeliever

The Deficulties wherewith the modern Theology is clogg'd, turn on the Article of Predefination; both the Rossip and Reformed Churches are divided about it: The Rossips and Reformed Charches are divided about it. The Lumber ans speak of it with Horrous; the Cashinifts con-tend for it with the greatest Zeal; the Mellinifts and Jefuist preach it down as a most dangerous Dockrine; the Janfa-nifts after it as an Article of Faith: The Arminians, Re-rosoftrants, and Pelagians; are all avowed Enemies of Predefination. Sce ARMINIAN, JANSENIST, MOLINIST,

JESUIT, PELAGIAN, &c.
Those fireneous Patrons of Janfenifm, the Port-Royalifts, teach, that God predefinates those who he foresees will co-operate with his Grace to the End. Du Pin adds, that Men don't fall into Sin, because not predestinated; but they are not predestinated, because God foresaw their

Dut mey are not predetimated, necessite God foreiss their Sims. See ELECTION, REPROMETORS, GF.

PREDEFINATION, is also used for a Concatenation of fectoad Casse, appointed by Providence; in vituae whereof, things are brought to past by a stant Necessity; contrary to all appearance, and manger all opposition. See FATE and DESTINY.

The Yorks are great Preadsfinarious; they effect the lighted Accident predetermined; and on this account, are much more daring in Battel, and run greater riques of their Lives, than they would otherwise do. See MAHOME-

YAMI.

PREDETERMINATION, in Philosophy and Thoology. The Schoolmen call that Concurrence of Goology. The Schoolmen call that Concurrence of Goology. The Schoolmen call that Concurrence of Goology. The Concurrence of Concurrence of Concurrence of the Concurrence of the Philosophy of Concurrence of the Philosophy Paris of Concurrence of the Philosophy Paris of Concurrence of Concu

Physical Determination, or Premotion, if there be any fuch thing, is that Action of God, whereby he excites a fecond Caufe to act; or by which, antecedently to all Operation of the Creature, or before it could operate in confequence cither of the Order of Nature or Reason, he reand effectually moves, and occasions it to produce all aily and efficiently mores, and occasions it to produce all its Actions to hir, whatever the Creature does, or acts, is really done, and acted, by the Ageesy of God on the Creature, who is all the time prailier. So that without fach Predstramination of God, all Creatures must remain in a cerual State of Inachivity; and with fach Predstramination, it is impediable but they floudd do what they are thus

put upon doing.

This strongly controverted, whether or no fach a Physical

This strongly controverted, whether or no fach a Physical

Predetermination be necessary to the Action of Natural

Causes. The Scotifts maintain the Negatire 3 urging, that

Causes. The Scotifts maintain the Negatire 3 urging, that Caufes. The Scotift maintain the Negature's urging, that all Natural Coulce are, of their own Nature, determind to a certain Athion's whence it flooid feem needlest to call in a new Practermination of good, e.gr. to Fire, to make it warm the hand. For if an Object be, by the Court of Drivine Providence, apply do Fire, what need a fector Application of the Eirs, to make it warm the Object apply discovery of lance Beings are not to be multiplyed assentially the providence of the Eirs, to make it warm the Object of the Eirs, to make it warm the Object of the Eirs, to make it warm the Object of the Eirs, to make it warm the Object of the Eirs, to make it warm the Object of the Eirs, to make it warm the Object of the Eirs 
apply a thereto t lince heings are not to be maniply a un-necessarily. See Causs.

And sich Predetermination some Philosophera bold still.

Its requisite to produce the Acts of the Will: At least, fay they, the human Mind must be allowed the common Power and Privilege of a fecond Cause's and therefore be entitled to produce its own Acts, as well as other firically natural Agents.

natural Agents.

The Themilt, on the other hand, fland up firemostly for the Physical Predetermination: One of their principal Arguments is drawn from the Subordination of fecond Caufes to the field. Where there are feveral fubordinate Agents, fay they, the lower Agents do not act, unless first moved and determined thereto by the first; this being the

very Effence of Subordination. very Lifence of Subordination.
Again, the like they argue from the Dominion of God
over all his Creatures: "Tis of the Effence of Dominion,
fly they, to apply and direct Phings fubject thereto, to its
own Operations; and this, if the Dominion be only moral,
morally; but if it he also phylical, phyfically. And that
this is the Cafe in refpect of God, and his Creatures, is
confered. See See

confess'd. See Gop.

PREDIAL Titles, are Titles paid of Things, which grow from the Ground only; us Corn, Hay, Fruit, Sc. ee Tirnes.

See TITHES.

PREDICABLE, PREDICABLE, in Logic, a general
Quality, or an Epither which may be predicated of, or applied to feveral Subjects. Thus animal is predicable both
of Man and Beatt: Man is predicable of Perer, and James,
Triangle is predicable of Package (Notice). gures; as right Angles, Scalenes, Hofceles's, Sc. Sce REDICATE The Schoolmen reduce the Predicables to five Claffes,

viz. Genus, Species, Proprium, Differentia, and Accident; under one or other of which, all that can be predicated of any Subject, is included. See Genus, Species, Pag.

PRIUM, Co. A Predicable is also call'd an Univerfele Logicum, as having respect to other particular, and interior, or subject Things: Thus Animal is an Univerfel, with regard to

Man and Beaft. "Tis call'd a Legical Univerfal, to diffinguish it from a Meraphylical one; which is a common Being, confider'd in itlelf, and therefore denominated universal in Effends; whereas the Logical one is only universal as to our Concep-

whereas the Logical one is only universal as to our Conteg-tion and Application. See Clayre start, of mainly defined from the Schoolmen, Profitable and Contegration of the Schoolmen, Profitable from the Schoolmen, Profitable and Contegration of the Schoolmen, of the Schoolmen, which is in Nature which may be predicated universally of all things to which it is in Subordinates, may be partly predicated of them all. Thus, when the Appellation of Firms is attributed to the schoolmen, may be partly replicated of them all. The schoolmen is the schoolmen of the Schoo

Hence, if there he favored things call'd by forme common Name; but the Reafton of fich Name is not the fame in all, but differents thefe do not come under the Namber of Freedicables. As in the Intrance, Canif. Dog, which is both apply do a Domellië animal, difficult to the Substitute or Confedication of the Heavers; and no a fee-Elifon, or Confedication of the Heavers; and no a fee-Elifon, cather, or Univerfal, in thus . Among those thingswhich fall under our Olderstandon, we find forme Charaguers and Pro-

under our Observation, we find fome Characters and Prounder our Obtervation, we find tome Characters and Pro-perties common to feveral; and others peculiar to each; What we find common, we confider a part; and thus form an Universal equally applicable to all. See Garract. PREDICABLY, PREDICARLIVERS, is used to the Schools in opposition to predicamentally. Thus, Matter is

School in opportions on preferenteurstelly. Thus, Matter is failed to be united to Piene preferidate, or per neuristus; to exclude the Notion of a precidenteurst Accident.
PREBICHARNET, Pranzicasarvarva, in Logic, a Clafs, or Order of Beings, or Sabihances rangel according to other Natures; called allo Europea, or entire Catagragners.

The Word Present Catagragners was first introduced by given The Word Present Catagragners, and is not do not the Catagragners.

Better the Catagragners was first introduced by given the Catagragners of the Catagragners of the Catagragners of the Catagragners was first introduced by given the Catagragners of the Catagragners was first involved to the Catagragners was also and catagragners. riety: For it either fignifies the Act of predicating; or, a common Predicate itelf; or, the Genus or Bafis of any Category; or, the Collection of feveral common Predicates dispoted in a certain Order. Which last is its most asual

Acceptation.

Hence fome define it a Series of Predicates drawn from
the Genus, or higheft Term, thro' all the inferior Genera,
and Species. Thus, a Series of Subplance drawn from Subflame thro' Budy, Living, Animal, Man, to Peter, is called the Predicament of Subtlance.

But the yelful Definition of Predicament among Logi-

cians, is, That it is a natural Order, or Scheme, of fome most general or universal Thing, and all that is contain'd under the same, that is, all the subordinate Genera, Spe-

under the fairse, that is, all the lunoramate venerus, ope-cies, and Individuals.

The Properties of a Predicament, exparte vocis, i.e. of the Term, or Word whereby the Predicament or predi-camental Series is denoted, the Logicians hold, are, that it be one, fimple, precife, and concinnous.

# Vox una, & fumplex, rebus conciuna locandis.

The Conditions requifite ex parts rei, or of the Thing to be ranged in a Predicament, are contain'd in the following Verfe:

# Entia per feft, Finita, Realia, tota.

i. e. it must be a positive Being, in exclusion of Non-Entitics, Negations, Privations, Impossibilities, &c. and a Being per fs, to exclude accidental Things, factitious Things, &c. And first, that is, of a limited Nature and Extens, to exclude God and other Transcendentals: Real, fince is

Intention is for the better and more commodious difpoling of Things in their places to be the more distinctly known and conceiv'd; and whole, or compleat, as not being in the relation of a component Part, or as only accessary to forme

PREDICATE, PREDICATUM, in Logic, that part of a Proposition which affirms or denies something of the Sub-

a Prepóticio which affirms or denies foreching of the Sab-jedi. See Pacorestran.

Thus, in God made the World's made the World, is the Prepindent; God, the Sabjedt. Soe Suys 1 er. .

A Proisitent, fay the Sabjedt. Soe Suys 1 er. .

A Proisitent, fay the Sabjedt. Soe Suys 1 er. .

A Projection Fater is a Name of Profesters, in the Proposition Fater is a Name of Profesters. That so-ther the Name of Profesters is the Name of Profesters. That so-ther, suclicit be allowed by flow on affirmed of an other, suclicit be affirmed thereof in fuch manner, or by Seeth as affirmed in a wages nothing either in the Sabjedt. ch an Affirmation, as wants nothing either in the Subject,

Predicate, or Copula, to make it true.

This also is a noted Property of a Predicate, That it centains, in some mediure, its own Subject. Thus Metal centains Gold, Copper, Iron, S.c. of which it is prediested.

The Word Predicate is fometimes used indifferently with Astribute; but the more accurate Writers make a dittinerice. Every Predicate is indeed an Attribute, fince what-ever is predicated of a Thing, is satributed to it: So, if Animated be predicated of Man, it is also attributed to him. But every Attribute is not a Predicate: Thus Soul, carning, Sc. are attributed to Man, but not predicated of bim. See ATTRIBUTE.

PREDICATING, in Logic, is properly the Act of affirmng or deaying formewhat of formething: As, Man is not a
tione, Body is Subfiance. The Thing thus predicated, is

Stone, Body is Substance. The The call'd Predicate. See PREDICATE.

call'd Predicate. See PREDICATE.

In the DoChine of Universitate, or Predicables, to predicate is to speak or declare a Thing truly, directly, and affirmatively. Thus Man is predicated of feveral, i.e. it is truly, and directly affirm'd that these several are Men; as when I say, Gerates is Man, Plato is Man, Arifottle is Man, GE, See PREDICADEL.

Man, Be. Sec PREDICABLE.
The Things predicated of others, are reducible to three
Claffee, Genera, as Animal, of Man, Be. Fornt, as Whitenefs, of a Swan, Be. and Equation, of Things of equal Extent, as Species, Difference, Proprism, Be.
The Schoolmon dillinguish fereral ways of Predicating;
as, 1°. In gend instans, which is to predicate effectivity,
both as to the thing and the manner; as Juffice is a Virtue. . In quale tantum, which is to predicate accidentally both as to the thing and the manner; as Peter is Learned.
And, 3°. In quale quid, or in quale post quid, which is, to
predicate both effentially and accidentally; as Man is ra-

PREDICTION, PARDICTIO, Divination, Prophecy, or Foretelling of what is to come; either by divine Revelation, by Art and human Invention, or by Conjecture. See DIVINATION, REVELATION, &c.
Divines labour hard to make the Predictions in the Old

Testament rally with the Events in the New. See Pao-

The Prediffions of Oracles were all dark and ambiguous. See OR ACTE PREDOMINANT, Reigning, that which prevails, ap-pears most, or has fome Superiority, or Ascendance over another thing.

Thus we fay, Bitterness is the predominant Quality among Tatles, or that which is most perceived. "Tis a Ruic, that Sugar never predominate in Consections, nor Pepper in PRE-EXISTENCE, the State of a thing actually in

FRE-EARDENCE, toe State of a tining actually in being before another. See Extremen.

The nation Paythograms and Platoniffs all afferred the Payeseiffence of human Souls, i.e. that they were in being before their being joind to our Bodies. See Mexemperentess and Transmittantion.

Origin held the eternal Pre-exiftence of Souls. See

We believe that God created the World out of nothing; and not of pre-existent Matter. See Creamon.

Some Persons have held Mankind pre-existent to Adam.

See PREADAMITE.

PREFACE, PREPATIO, a Note, or Advertifement in the beginning of a Book, to inform the Reader of the Order, Diffrontion, See. observed therein; of what is necessary to receive its fall effect; and facilitate the understanding

The Word is form'd from the Latin, pre and fari, q. d. to fpeak before.

to fpeak before.

There is no part of Writing that requires more Art, or that fewer Authors fuceced in, than Prefaces. Prefacing is, in effect, a particular Species of Writing, and has its Character and Tatle to diffinguish it from all others. It

is neither Argumentation, Difeourfo, Narration, nor Apo

logy.

Committe call then great of their Mal with 'y preceeds the Conference and any of their Mal with 'y preceeds the Conference and Co

PREFECT, PREFECTUS, in anticot Rome, one of their chief Magistrates, who govern'd in the Absence of their Kings, Consuls, and Emperors.

His Power was fomewhat different at different times; but was always greatest under the Emperors. His principal Care was the Government and Administration of the City of Rosse.

of Rome.

He took cognizance of all Crimes committed in the City,
or within an hundred Miles the croft. He judged capitelly
and finally, no Appeal lying from him 1 and even by the
sad Norel, he predied in the Senate 5 taking place before all the Patricii and Confutares, &c.

He had the Superintendance of the Previsions, Policy, Buildings, and Navigation. There is still a Prefet of Rosse, who is a kind of Governour; differing listle from

Rems, who is a kind of Governour; a discring little from the aniset Prefet, except that his Authority only extends to 40 Miles without Remse. PREFECT of the Pretorium, PREFECT of Pretorit, was the Chief, or Leader of the Pretores Bands or Co-berts, delined for the Emperor's Guard. See PREVORIAN.

The Pretorian Legion, according to Dion, conflicted of ten thouland Men. Sustantias refers the Institution of Pre-fellus Pretorii to Augustus. "Tis added, that he was

fellus Presori to Augofini. The added, that he was afaully taken from among the Rouses Kuights.

By the Favour of the Emperces, his Authority grew very confiderably 3 informat that he became the Arbiter and fupreme judge of all Affairs.

To reduce this extravagant Authority, Confiamine disjudges the Arbiter of the President of

To reduce this extravagant Authority, Conflantine diri-ded the Professure of the Previous into four Prefessures 3 and each of these he again subdivided into Cavil and Mi-litary, the the Name was only referred to him who was invested with the Ciril Authority 3 and that of Courts Built given him who had the Command of the Cohorts. See COUNT.

Thus the Office of Prefell of the Pretorium, which, in its Origin, and till the time of Configuration, was Military, and faceceded to that of Magifer Equitum; a now commenced a purely Civil Magistrature; and at length became the

ced a parely Cava magnerature; a and at length became the prime Dignay of the Empirer. Following Conflaming, Divi-fico, divided the Empiricant four Prefetures Preservit, as into four Diocetes; view the Gauli, Hyria, Italy, and tho East. See Diocess.

into tear December you was a consequence of the Control of the Con

Cera, and other Provisions for the King's Houle's hattaken awaw by the Start, J. Cera. as. SPODATATON.

PREEDNING, in Naurul History, the Addison B History and the Provision of 
PREGNANCY, the State of a Woman when she has conceived, or is with Child. Sec CONCEPTION. The fame State with a View to the bearing of the Child in the Womb, is call'd Gestation. Sec Gratation. Hence also the Act of Imprognating. Sec Grata.

Imprognating. See Genera-

Hence allo the Act of Impropanting. One UNINERA-TION, FLOWING, SERIE, SEC.

PREJUDICE, PREJUDICEUM, a falle Notion, or Opi-nion of any thing, conceived without a due previous Exa-mination thereof. See Palastoon, Openion, Sec.

Prejudice, a-d. Prejudicen, does not import a Judg-ment merely as prior to another in respect of Time, but as

being prior therem in respect of Knowledge, or of sufficient Attention to the thing; the Preposition pre expressing an Anticipation, not so much of Time, as of Knowledge,

an Anticipation, not lo much of Time, as of Knowledge, and due Attention. See Essende among the Schoolmen Hence Prejudice is also called among the Schoolmen Anticipatio & presente Cognitic, a pre-conceived Opinion, US. See Judonesty, Truth, Pallacy, Sansa, US. PRELATE, an Ecclesiatical Superior, conflicted in forme eminent and superior Dignity of the Church. See DIGNITARY.

Patriarchs, Primates, Archbishops, Bishops, Generals of Religious Orders, certain Croster dand Mitted Abbors, and even Deans and Archdeacons are ranked among the Number of Prelates. The Word comes from the Latin, Praiatus, of pra and

PRELATE of the Garter, is the first Officer of that Noble Order, and antient as the Institution itself. See GARTER.

William de Edynton, then Bishop of Winelesser, was the first Pyelate at the creekion of the Order; and it has been continued in that See ever fince.

'Tis an Office of great Honour, but has neither Salary nor Fees; only a convenient Lodging allow'd in Windfor-Cuffle, and as oft as the Prelate comes thither (by the Sovereign's Command) he is to have Court-Livery allow'd

for himfelf and Servants. PRELIMINARY, formerhing to be examined, dif-patch'd, or determined, e'er an Affair can be decided, or

patch of determined, eer an artist can obtain the treated of thoroughly, and to purpofe. Preliminaries of Peace take up the greateft part Treaties. They confill in examining of Powers, Qualities of Princes, Ranks of Ambuffadors, Sée. The Word is form'd from the Latin, pre, and linea,

Threshold

Thordhold, in Music, a Planzijh, or su inregular Air which the Musician plays off-hand, so fee if his inflatoment be in Taxes, and he load hain into the piece to be play in the best of the load hain into the piece to be play in the load hain into the piece to be play in the sea first floropidious of a Syllogifin. Sue Sextacossus. When a Syllogifin in in form; he was Premigh being granzed, the Conclusion extens the days of the Conclusion with the Syllogific in the Conclusion. The Premigh, pages (Syllogific, Sex Operative, the purpose of the American of an Argaman, when complete the parts of the American of a first premished as the Conclusion. See Thus so the Argument, Every Man is an Animal, Peter is a Man, therefore Peter is an Animal; the Propositions,

Every Man, &c. and Peter, &c. are the Premifes. See PROPOSITION. Premifes are the Principles of our Reasonings; as being

clear, evident, and demonstrative Propositions, from the relations whereof to one another, we draw or infer new Truths, Propositions, &c. See REASONING, PRINCIPLE, MAXIM, So The Premises are either squal, where neither suffices alone for the drawing a Conclusion, as in the Instance above:

timequal, the one major, greater, from which alone the Conclution is drawn 3 the other minor, or left, which only fervet in applying the Antecedent to the Confequent. See CONSEQUENT.

Consequent.

In the common Practice of the Schools, however, every Syllogifm, or formal Argument, of what kind foever, is faid to have a Major and a Minor; how equal foever the Pramifer may be. See Major and Minos.

Pramises, in Law, the Lands, Se. before mentioned in

a Leafe, Conveyance, or the like.
PREMONSTRANTES, or PREMONSTRATENSES, a
Religious Order of Regalar Canons inflitted in 1520. by S.
Norbert; and thence also call'd Norbertines.

The first Monastery of this Order was built by Norters in the lile of France, three Leagues to the West of Laon ;

and by him call'd Premonfire, Premonfirstum, whence the Order itself was denominated; tho' as to the occasion of That Name, the Writers of that Order are divided.

The Order was approved by Honorius II. in 1126. and

The Order was approved by Humorus II. in 1126, and again by Foretal facecoding Popes. At first the Abilinence from Flesh was rigidly observed; in 1145, Jameeuri IV. complaind of its being neglected, to a general Chapter; in 1188, their General, William, procured leave of Pope Nicolas IV. for those of the Order to at Flesh on Journies. In 1460, Flus II. granted ern a general Permation.

to eat Meat, excepting from Septiagofima to Eafter.
The Religious of this Order are clothed in white, with a
Scapulary before the Caffock Out of Doors, they wear a
white Coak and white Hat; within, a little Camail, and

a. Church a Surplice, Sc. In the first Monatteries built by Norbers, there were on for Men, and another for Women, only separated by a Wall. In 1137, by a Decree of a General Chapter, this Practice was prohibited, and the Women removed out of those already built, to a greater distance from those of the Men.

PREMOTION, in the Schools, the Action of God co-operating with the Creature, and determining him to act. See Prepares and Action.

Physical Premotion, according to Alvaren, Lemus, &c., is

Physical Fremeisters, according to Alexense, Lenns, &c., in a Complement of the Allthe Power, whereby it palleds from a Complement of the Allthe Power, whereby it palleds from next Fower, to the Addison. This an Influence or practica-tion of the Viture of the first Case of the Allthon, and the Allthon of the Viture of the First Case of the cond Case (and Lay affire). See Casers (graphed to the Billiops to call from the Influence, and warring them to the with them the Deans, and Archdesson, one Profiler for each Chapter, and we for the Clergy of his Diocech, See each Chapter, and we for the Clergy of his Diocech,

CONVOCATION

PREMUNIRE, Pramunire, a Term used both for an fience; for a Writ granted thereupon; and for the Punishment thereof.

These will all be understood from one: Anticatly, then the Church of Rems, on presence of her Supremacy and the Dignity of St. Peter's Chair, took upon her the dijpolg of moit of the Bildspricks, Abbies, and other Eeckhaft.

Cal Benefices of Worth, by Mandates, or Bulls call'd Espellative Graces, and Provifienes, before they became void. ce Provision and Expectative.

SOC PROFISION AND EXPREMENTATIVE.

Edward III. not brooking fo intolerable an Incroachment,
made feveral Statutes againft those who drew the King's
People out of the Realm, to answer to things properly belonging to the King's Court; and another to refirm the
Primings of the Pope.

The Pontiff, however, fill perfitted in his Preventions; and the flux of People from England to Rome, to fue to

them, was as great as ever.

This occasion'd Richard II. to make several Statutes of This occasion'd Michaer's II, to make teveral Statutes of the like Import with those of Zebrard III, particularly one, where he assign'd their Punishment to be this; Ybas they pould be our of the King's Protestion, attached by better Zedes, he imprised during Life; and logs their Land, Goods, and Chattel; which is since call'd the Penalty of a Decomies

Henry IV. made new Statutes against other Abuses of this kind, not fully, obviated in those of his Predecessors; adding certain new Cases, and laying on 'em the same Pe-

By later Statutes, the fame Penalty is laid on fome other By later Statutes, the fame Penalty is laid on fome other Officiencies 31, e. 27, "by that 12 life, on him who decise the Kingli Supremey a Scood time. By 13 Zillis, on those who affect the Peyel's abilateity, or rished the Ohan of San of San Ohan of San Oha

legiflative Authority without the King.

The Word Premunite is now chiefly used for the Punishment appointed by the Statutes above mentioned: Thus when its faid, a Man for an Offence, fail insure a Framsire, its meant he final insure the Frankire appointed by the Statute 16 Rich a. commonly call'd the Statute of

The Word is a Corruption of the Latin, Premoners, o. d. the word is a Corruption of the Lattin, 17 pm oners, etc. to forewarn, or bid the Offender take care; of which a Reason may be drawn from the Words of the Statute 2; Edw. 3, and the Form of the Witt, Pransmire facials prefaint prefagliant, & J. R. Procuratorem, & c. quad time

PRENDER, in Law, (from the French, prendre, to take) a Power or Right of taking a thing before it is offer'd. It lies in Render, but not in Pronder. Coke's Rep. 1 part. John Peter's Cafe.

PRENDER de Baron is an Exception to difable a Woman from pursuing an Appeal of Murther against the Killer of her former Husband; taken from her having married a

fecond. See APPEAL. fecond. See AFFAL.

PRENOTION, Pressitio, or Pracognitio, a Notice, or piece of Knowledge preceding some other, in respect of time. Such is the Knowledge of the Antecedent; which must precede that of the Conclusion. See Novien, Know-

PREPARATION, Praparatio, or Apparatus, in Ma-thematics, one of the Parts or Branches of a Demonstration.

Sce DEMONSTRATION.

See DEMONSTRATION.

If it he a Proposition in Geometry, the Proparation confilish in Geometry, the Great confilish in Geometry, in Computation to he made to come the more easily at the Demonstration.

PRETRATION, in Copyniting and Pharmacy, is used for the feveral Manners of managing the Mairria Medica, and of disposing it to Grew the Verval payables.

There are various Preparations of Mercury, Ant and other Drugs to purify 'em, fublime, calcine, edulco-rate 'em, &c. See Mercuar, &c.

Crade Antimony is used in Indonsific Decoctions; the',

when it has undergone a certain Preparation, it becomes a

Speech; but merely a Modificative of a Part of Speech, neit. See Modificative. PREPENSED, in Law, Fore-thought. In this fenfe we

Tay preferred Malitee.

If, when a Man is flain upon a fudden Quarrel, there were Malice proposited formerly between them, it makes it Murder 2 and, as it is call'd in fome Statutes, prepented it Murder; and, as it is ... Murder. See Munner.

PREPUCE, Preputium, in Anatomy, the Fore-Skin;

PREROGATIVE, a Privilege, or Pre-eminence, which a Person has over another The Word is borrowed from the Name of a Century in

and word is between from the system of a Century in action Rome, which gave the first Yose, or Suffrage in the Constitut, or Alfemblies, for the Election of Magistrates, upon Fraregain is beautio first add, or their storing first required. See Suffrage and University and University of the Constitution of

PREROGATIVE of the King, is that Power and Privilege which the King hath over, not only other Persons, but over the ordinary Course of the Common Law, in Right of his Crown.

bis Crows.

Such are thefe, That the King may patdon a Person
condemn'd to die: That the King's Person is subject to
no Man's Suit. His Pedfessions cannot be taken from him
by any Violence, or wrongful Diffession: His Goods and
Chartels are subject to no Tribute, Toll, or Custom, nor
diffrainable, Ed. See K. NN.

PREROGATIVE Cours, is a Court belonging to the

PRESUMEATIVE Court, is a Court belonging to the Archbishop of Camerbury, Mercin all Wills are proved, and all Administrations granted, that belong to the Arch-bishop by his Progrative; that is, where the Parry at his death had fire Pounds or apwards in the Diocefe, or ten Pounds out of the Diocefe where he died. See Court. The Archbishop of York hath allo the like Court call'd,

his Exchequer.

All Cintions and Decrees of this Court run in the Namo of the Archbifhop. Soo An enustator. This Court, for the Province of Canterbury, is kept in the common Hall in Doctor's Commons, in the Afternoon,

next day after the Arches.

The Judge is attended by the Register, who fets down the Decrees and Acts of Court; and keeps, records, &c. all original Wills and Testaments of Parties dying, having bona notabilia.

The Place is usually call'd the Prerogative Office, now

The Place is ultilly call'd the Prerightive Optice, now kept in Detait's obsert, for a moderate Fee, one may have a Copy of any facts Will. See Witt.

PRERACE, PREMATINA, an Augury, or Sign of fomething to come. See Augurat.

The Remain judged of future Events by certain Signs, which their Superlitions, or the Artiface of their Priefis had movemed. Their molt celebrated Priefiger were counted on movemed.

the Flight of Birds, or the Entrails of Victims: All Night-Birds pale'd for Birds of ill Prefage. See Victim, Co.

Tis a popular Error, that Comets prefage Misfortunes. See COMET. Close Weather, and a Southern Wind, prefage Rain.

See WEATHER, &c. PRESBYTER, a Prict; or a Person in Pricts Orders. e PRIEST.

He is thus call'd from the Greek west 30rtess, Elder, of outsile, Old; because, antiently, none were ordained but fuch as were advanced in Years.

fuch as were advanced in Peart.

The great Diffuse beween the Restiners to the General, and the Roman Distipline, is about the Samens in or Diffuse trees of Printegrees and Bildays, in the Times of the Times of the Samens in the Times of Times Times and Times of Times between them. See DISCIPLINE.

The Presbyteriant allow of no Hierarchy ; no Subor-dination in the Persons of their Ministers: Bishops and distanta in the Perioss of their Ministers: Bifilipon and Pricells, they maintain, in the Times of the Apolitic were the fame; and, therefore, the they allow Epifeopsey as now fettled in the Chartle of England to be very anient, yet they deny it to be jure divino. See Buston and Eris-

COALCY.

In lice of a Series of Ministers one over another, in Qualitation of the Ministers of the Minister of the Minister of the Minister of the Minister in the Coalcillation of Administer in the Administer in the Administer in the Administer in the Modellett to the California and that Clafe to a Synds, Provinced, Colfficial, or Octomore, and the Coalcillation, with them, relation to Clafe and cone are administed to administer the Surrament, but the verbased by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of other Minister octained by the Imposition of Hands of the Minister octained by the Imposition of Hands of the Minister octained by the Imposition of Hands of the Minister octained by the Imposition of Hands of the Minister octained by the Imposition of Hands of the Minister octained by the Imposition of Hands of the Minister octained by the Imposition of Hands of the Minister octained by the Imposition of Hands of the Minister octained by the Imposition of Hands of the Minister octained by the Imposition of Hands of the Minister octained by the Imposition of Hands of the Minister octained by the Imposition of Hands of the Min

They make use of Deacons to take Care of their Poor, and in the Government of the Charch, call in Lay-Elders; whence their Name, from the Greek wrengers, fignifying

whence their Name, from the Greek epenforty \$\mathcal{G}\$, fignifying Sentar, Elder, See Elder, Retailed, See State, This is now the reigning Discipline in the Charth of \$\int Sextland\$; as it was, dering the Inter-regions, in England. PRESBYTERY, Preshyverium, an Affembly of the Corder of Presbyters, or Freists, with Lay-Elders; for the Exercise of Charth-Discipline.

Executie of Charch-Difespine.

The Kirk or Dearch of Statisnat is divided into fusynine Preliperier, each confirming of a sumber of Parifice,
none conceing record your, are felt in the review.

The confirming of the confirming of the confirming of the
choice half-yearly, confirmes the with one bulk great
choice half-yearly, confirmes the with one half-yearly
confirmed when the Preliperiery is denominated,
choice a Moderator, or erather Prolocator, half-yearly
from the feveral Barpeath form Kirk-Kiffons, 5.c. fears

\*\*The yelectrical I Appeath form Kirk-Kiffons, 5.c. fears

\*\*Officer.

They compose all Differences between Ministers and People; for which end they hold Pressysterial Visitations in each Parifh, where they examine the Registers of the

Kirk-Seffions, &c.

Arte-Genoles, 19.7. The Control of Churches, fee that the Carley expire into Repair of Churches, fee that the Carley expire in the Carley expired to the C

TRISTYPHONE. DECOYNOD.

PRESSYTERS, Presbyersium, is formetimes also used for the Choir of a Church, because antiently appropriated to the Presbyers; in opposition to the Nave or Body of the Church, which was for the People. See Choir and

PRESBYTE, in Optics, a Term apply'd to Perfons in whom the Configuration of the Crystalline of the Eye is too flat, for that they foo difiant things clearly, but rhofe near at hand confuciely. See Vision.

The Reason is, that, in near Objects, the vifuel Rays passing the Retina before they unite, there can be no diffine nefs, fince the diffine Bufe falls too far off beyond the Retina. See CRYSTALLINE and RETINA.

This defect is helped only with convex Glaffes, or Spec-tacles; which will make the Reys converge fooner, and if they are well fitted, fall exactly on the Retina. See Con-VEX and SPECTACLE.

The Word is form'd from the Greek args flux, Senex; because old People are naturally subject to this defect; Time and the Friction of the Eye-Lids, &c. gradually wearing the Ball flat. Freshyte are opposed to Myotes, in whom the Crystalline is touround. See Myores.

If the diffance between the Retina and the Cryftalline e too fmall, the Perfon will likewife be a Presbyta. See CRYSTALLINE

CANFALLINE, C.C.

PRESCIENCE, in Theology, Previlion, Fore-knowPRESCIENCE, in Theology, Previlion, Core,
Inc DeCline of Predelitation in founded on the Preference of God, and on the farposition of all Paturity's bein prefer to him. See Faraparinarion, to the preference of him. See Faraparinarion, the Core, Preference of
God with the Free-Agency of Man. See Library and

How are we to admire the depth of the Preference and Wifdom of God 3 who, in giving the first Motion to Mar-ter, fore-faw all the possible Combinations this first Im-

ree, rore-taw all the positive Combinations this first fin-pression might undergo during infinite Ages! Maleby. PRESCRIPTION in Law, a Tule introduced for affining the Property of Effects in favour of Perfors who have positive them a certain time; and to keep off any who would disquire them, or recover the thing possession after the Theoretical Computer School of the Computer School of

Tourn it calls Profeription a Penalty imposed by the Laws upon Negligence; and adds, that Possesson have no other Title to plead but Prescription, are only honest Usurpers.
In effect, however, the Law of Prescription does not punish

In effect, however, the Law of Proference occs not puning the Indolesce of Proprietors 5 but only interprets their Si-lence for their Confent's prefurning that a Man who neglects to affert his Right for a long Series of Years, gives it up.

There are forms of the Lawyers who doubt whether Time. There are tome of the Lawyers who doubt whether Time and unjust Preferyitation has ny Legimistac Means of acquiring; others, more favourable, call it the Patron of Manifard; as being a general Preferingtion, under which the Law will have Men live in peace.

In the Gemmon Law, Prefeription is usually understood of a Pediction for Time immemorial; as when my Anceltors, or his, from whom I have an Ethies, have embryd centers, or his, from whom I have an Ethies, have embryd centers, or his, from whom I have an Ethies, have embryd centers, or his, from whom I have an Ethies, have embryd centers, or his, from whom I have an Ethies, have embryd centers, or his, from whom I have an Ethies, have embryd centers, and the control of the contro

and used it all the time whereof any Memory remains.

But in the Civil Law, and even in our Common Law, there are Prescriptions of a much shorter Date. Prescription

of forty Years excludes all Actions whatever.

Leg. Eccles.

The Cuttom of Paris allows of a Prescription of ten Years, if the Parties be prefent, and twenty if abfent, in favour of peaceable Pofferfors of an Inheritance, if they have any Title, however controverted; and of thirty Years nave any little, however confrovertice) and or larry lears in favour of those who pedicis without any Title at all. Normanuly, a Profeription of forty Years peaceable Poliettica is counseling to a Title, to Immorcables, and for Movcables and personal Actions, a Profeription of thirty Years further.

thirty Years tunces.

In Ramif Ocustries, Profeription does not avail against
the Church, if left thus a hundred. Years. In Prance, Preferription of twenty Years is admitted against all Crimes,
except Dealling, which was excluded by a Doclaration of
the Year 1679. In Matters of Adultery, fave Years fusice,
has been a Micrositionapper of Proference. the Year 1679. In Matters of Adultery, five Years fuffice, i.e. provided there have been a difcontinuance of Profecution all that time.

By our Statutes, a Judge or Clerk convicted of falle en-tring Pleas, &c. may be fined within two Years; but those elapted, he proferious against the Punishment of the Statute.

The Crime of Maintenance or Embracery, whereby Per-jury is committed by a Jury, must be professed within fix days; otherwise the Parties profesible. See Juny. There is no Proferibing against a Man's Lord; no Pre-feription avails to take off a Servitude or Tenure: A Tule

is always required there.

as always required there.

The Author of the Hilfory of the Inquifition observes, that no Time or Prescription avails in Matters of Heresy seven Death itself does not secure the suspected from the

even Death itlelf does not recure the suspected from the Refearches of the Inquilition. See Inquisition. PRESCRIPTION, in Medicine, the Act, or Arrof affiguing a proper and adequate Remedy to a Difease; from an Ex-amination of the Symptoms thereof, and an Acquaintance with the Virines and Effects of the Materia Medica. See

REMEDY and DISEASE

The Methodus proferibendi is the laft, finishing piece of Furniture of a Physician, and is the refult of all the rest; join'd with a ready, present Thought. See Medicine and PHYSICIAN

Parts 1: (1A).

To Pryfribe with Judgment, Elegance, &c. a moderate Acquaintance with Pharmacy, i.e. with the Forms and Reparations of Mediciacs, is required. See Plantamacy.

The Merits of a Bill or Pryfription conflit in its being concile, perintent, efficacions, and agreeable; in the belt and dutablet Materials being piech do a shole affembled in

and unableth waterasts being parch do a 3 mode attembled in the most judicious Proportions, made up in the best and most convenient Form, and apply'd in the justest Dofe; a due regard being fill had to the Non-asturals, Regimen, Inter-vals of Application, Esc. Sydembass excell'd in Prefeription.

vals or Apparatus, vo. 6
Sec Doss, Dier, Ef.
Prefription is either Officinal or Extemporaneous; the
former conditis in the ordering of the Medicines which the
Apothecaries keep by 'em ready prepared according to their
Diffendatory. Sec Oppering all different properties of the Medicines which the
Extension of the Medicine frames of the Medicin

Dipentatory. OC OFFICINAL and DIFFENDATORY.

Extemporamons in that which the Physician frames of himfelf, for renate, according to the Carcumflances of the Patient, to be made up by the Apothecary according to the Physician's Bill. Sec EXTENTIONATION.

PRESENCE, Profession, a Term of relation, aired in opposition to Abjence's and fignifying the Existence of a Deficial of the Physician of the Patient Patients. Perfon in a certain Place; or the State of a Perfon confider'd as co-existing with another. See Co-EXISTENCE.

as co-existing with another. See Co-existence.

In this fenfe an Obligation is faid to be pafe'd in Preferee
of a Notary and Witnesses: At the breaking open of a
Seal of a Minor or an absent Person, the Presence of a Sub-

te is necessary.

The Schoolmen hold, that Presence, in speaking of Bo-cs, denotes not only a Co-existence, but a fort of Contact. They make two kinds of Professe; the one virtual, in which fenfe a Spirit, or Mind, is faid to he profess to a Body when it afte thereon; the other corporal, which confifes in a phyfical Contact.

The Treasurers, &c. of France have what they call a The Treasurers, E.G. of France have what they call a Right of Froplene, a certain Sum due on their actual Attendance in their Offices; to oblige 'ern to be the more afficient on their Function. A Ferfon ablent in the Service of the King, or a Community, is repeated project.

The Routen Catabilish believe the real Froplene of

Jestes Christ in the Eucharift, both in Body and Soul. See

RANSUSSTANTIATION.

PRESENT, in Grammar, the first Tenfe, or Inflexion Verbe s expressing the Time present, or that which now Sec TENS

is. See Trass.

This apeculiar piece of Addrefs in Eloquence to make use of the profunt, for a post Tende, in order to expects a past Action with the more tone and warment. The Flott is no fenore in full Sea, than the Heaven begin to lower, the Winds ripe, the Waves deep squisit each other. Thunder rolls, and Lightning glaret on all means the Sings. lofe their Mails and Rudders, and are driven imperuously against the Rocks.

PRESENTATION, in the Canon Law, the Act of a Particle nominating and offering his Clerk to the Bifthop, or Collator, to be inflituted in a Benefice of his Gift. See

PATRON, COLLATOR, SC

The Profitation and its tendered to the Billion which as hundred eights word way after the bring in season, did it layers to the Billion's the Billion's to the Billion's The Presentation must be tender'd to the Bishop within

PRESENTATION, alfo, gives the Title to three Orders

PRESENTATION, also, gives the Title to three Octes of Nums. Soc Ratterious.

The first, projected in 1st, by a Maid nam'd foun of Control of the Vision for the Vision for the Vision for personal or have a vision for the Vision for the Vision for the Vision for the Management of South I. I was approved by Vision for the Management of South I. I was approved by Vision for the Management of Vision for the Visio

The third was established in 1664; when Fred Borrimeo, peing Apostolical Visitor in the Valteline, was intrested by fome devout Maids at Morbeguobourg to allow 'em to live in Community in a retir'd place; which he granted and erected 'em into a Congregation, under the Title of Congregation of our Lady. They live under the Rule of St. Augustine.

PRESENTATION of the Virgin, is a Feath of the Remibe Church held on the 21st of November, in memory of the Virgin's being prefented by her Parents in the Temple, to

Vigin a being presented by nervariates in the aempte, or be there educated, that there were young Women brought up in the Temple of Fernjalen; which fome endeavour to prove from the feecond Book of Maccabers, See 65 Frigings and consulty execut, presure hand at Omness, which is the Stutiment of Futtednin on this Heffage. And Lyraust selection when the second presents and the second presents of the second prese that other more antient Authors observe, that young Wemen were educated till Marriage, either in the Temple, or at lend in Buildings contiguous thereto,

Emanuel Communia, who began to reign in 1145, makes mention of this Feath in his Continution. Some even ima-gine it to have been established in the XIth Century among gine it to have been established in the AIth Century among the Greek's and think they fee evident Proofs of it in fome Homilies of George of Nicomedia, who lived in the time of Photiats is to that it feems a Milfake in fome modern Criticks to refer its loftitution to Gregory XI. in 1573.

ticks to refer its Initiation to Gregory XI. in 1571.

Some take it to have been initiated in memory of the Ceremony practifed among the feet for their new-born Females; corresponding to the Circumcifion on the eighth day for Mules. See Circumciation.

day for Mules. Sec Care use crusus.

PRESENTER: in the Camen Luss, Sec Clerk prefixed by I Flyrin us a Collistor. See Paramyrarious or the Collistor. See Paramyrarious or Collistor. See Paramyrarious control of the Collision. See Paramyrarious control of the Collision. See Paramyrariou

Thus the XVIIIth Law, de Verb. fignif. Absentibus admari dicantur, munera autem mitti, & præsentia donari dicantur, n offerri. There is no accosting the Eastern Princes without making

'em fine Profests. Kings ufually make rich Profests to

PRESERVATIVE, in Medicine, a Remedy taken by way of precaution 3 or to fecure a Man from a Difeafe that threatens him. See Remeny.

The principal Prefervatives, according to Boerhauve, are Ablianence, Eafe, drinking of warm Water, and after this, a gentle and continued Motion till the first appearance of Sweat 3 then a profuse sheeping, the Body well cover'd.

By such means, crass Humours are diluted, the Vessels By fuch means, exist Humours are diluted, the Victies are colored an anoxicos Matters excerted. He adds, that the bell defence against the force of external Cold, is to leften the Witer's Clothing I set in the Spring, and to increase the Summer's Clothing foon in Autumn I in time of Plague, Frightwatters are very necessary against the Contagion of the Air, Se. See Planous and

CONTACION

Convactors.

Generous Wines, Cardiacs, and Sudorifics are Preferences.

Dr. Alprunus tells us, he made Incifious with a Lancet in Inguine dearm and finifire, and put in Secons, to give passage to the Venom's which proved an excellent Preservative against the Plague that raged at Prague

mileon.

Dr. Wenceflaus Debr. Zensky de Nigro Poute gives us an aniverfal Prefervative against letection in all Difentes. Whoever, fays he, in conversing with Patients of any kind, would preferve himfelf from Infection, must, while he is within the Sphere of the Steams, never (wallow his Spirite, he for the presenting in the he Smith, the first her the recognization has Smith the Spirite. but fpit it out: For he conceives it to be the Spittle tha

blifhed.

PRESIDENT, an Officer created, or elected, to profide over a Company, or Affembly; fo call'd in Contrad tion to the other Members, who are term'd Relidents.

Lord PRESIDENT of the Council, is the fourth great Officer of the Crown; as antient as the Time of K. J hn; when he was filled Conciliarian Copinalis. See COUNCIL.

His Bufiness is to attend on the King, to propose Bufiness
and to report to the King the several

Transations there.

Translations there.
PRESIDIAL, a Tribunal, or Bench of Judges, esta-blish'd in the several considerable Chies of France, to judge, en derivier resport, or ultimately, of the several Cases brought before them, by way of Appeal from the subaltern

Judges. The Presidials make one Company with the Officers of the Baillinges and Seneschausses, where they are esta-

The Edict of 1551, establishes Profidials under these two Conditions; first, that they may judge definitely, and without Appeal, to the Sum of 250 Livres, or 10 Livres per Annual. And, 2°. to the Sum of 1500 Livres by Pro-

senoora Appeal, to the Stom of 350 Livries, or 12 Livrae for Amman. And 3, "In the Stom of 150 Livries by Tree February 150 Livrae by Tree February 150 Livrae by Tree March 150 Livrae by Tree March 150 Livrae 
The Pa sas used by Inlayers, refembles the Joiner's Prest, The Falsa upon of manyors, retemptes the peace's array, except that the Preces of Wood are thicker, and that only one of them is moreable; the other, which is in form of a Treffler of Roffe, being futhind by row Legs, or Pillars, jointed into it, at each end to the control of the Precess of Wood required in Marquetry, or Islaid Work.

Pieces of Wood registrel in Marquetty, or Italast Wors. See: Managurate, 18 trong, figure Pirame, confiding of four Pieces of Wood, firmity join of superior with Tecnon. Get. Than 'Dright of various Steep, according to the Sizes of the Commission of the Commission of the Sizes with the Commission of the Commission of the Sizes and the Commission of the Commission of the Sizes of the Commission of the Commission of the Commission of the Sizes of the Piraffy, the two parts of the Mooled, whetch the Meral in no be ruo, may be prefet delofe nogether. See

Printing Parss, is a very complex Machine, ferring to prefi the Sheet of Paper upon the Forms, which the Work-man has first funcar'd or best over with link; so, as that the Characters, or Types, whereof the Forms are composed, may leave their Marks or Impressions thereon.

may leave their marks or trapreliness thereon.

The Parts of this Prefs are the two Checkt, the four Planks, vie. the Cafe, Hand, Skelevet and Winter, the Back in the Prefs, where the like it placed, the Sprade with its Nat, the Idel with its Hole, the Platen Plate and its Plag, the Carriage, the Coffin, Gollows, Typagen with its Jount, Get. Lattly, the Handt, to bring the Plank on which the Coffin is had beckwards and forwards; and the Bar to ork the Spindle, and fress the Platten on the Forms. See the Form and Use of these feveral Parts described

under the Article PRINTING-Preft. Rolling-Parase, is a Machine used for the taking off Prints from Copper-Plates. It is much less complex than that of the Letter-Printers: See its Description and Use

that of the Letter-frincer's bee us Deterption and Ule under the Article Reliting Proft-Park Priviles. Parsas, in Coloning, is one of the Machines used in the friking of Money's differing from the Balancker, in that it has only one Iron Bar to give it Motion, and prefs the Moulds or Coines; is not charged with Lead at its Extreme's

Moulid of Conts, is not charged with Load at 16 Extremes, and ratural by Cordage. See Contino.

Binders Fasis, or Cutting Freji, is a Malthau ufed equally by Book-binder, Statuners, and Pailboard-makers; confliting of two large flees of Wood, in form of Checks, join by two dirong wooden Serven, which bring rural by an Iron Bart, drew together, or fer afunder the Checks, as much as is necessary large bring in or the Books, or much as is necessary for the putting in or the Books, or

much as in necessary for the parting in of the Books, e-Teppers, to be care pinced flat on a wooden Stard, in form of a Chatt, into which the Cartings fall. A Adde of the Checks are two pinces of Wood, of the farm length with the Servoss ferring to direct the Checks, and prevent their populating or opening unequality youn training the direct special population of the property of the property of the time-Knife is fathered by a Server, which has its Key to efficient in the Checks of the C

The Shafe confiits of feveral Parts; among the reft, a wooden Screw or Worm, which eatching within the Nurs of the two Feet that fuffain it on the Cheeks, bring the Knifo to the Fook or Paper, which is fasten'd in the Press between to the Icola or Payer, which is failten'd in the Prefs Desecutive Notaris. That Serves, which is prepty longs, have used to the Serves and Effect, refermble those of the Serves and Effect, refermble those of the Serves of the Checks. To make the Sharf filled fugues and exo on the Checks, for the the Knife, partful along by the Warhman, may knife the Serves of the Checks. The Serves of the Checks of the Serves of the Checks (Refs in see fact, dish as a kind of Genero, directed by a Thread failten'd along one of the Checks. Lathy, the Knde is a piece of Street, fax or leven faches loog, flar, thin and flarry, terminating at one end in a point like that of a Sword3 and at the other in a fquare form, which ferves to fuffer in to the Shafe. See Book Binding.

Paxas, in the Woollen Manufathery, is a large wooden Machine, ferring to pref5 Clotha, Serges, Ratines, 456, thereby to reader them frooth and even, and to give them

ther cold.

This Machine confifts of feveral Members; the principal whereof are the Chroke, the Nin, and the Worm or Soven, accompanyd with its Bar, which fevres to turn it round, and make it defend perpendicularly on the middle of a thick wooden Plank, under which the Stuffs to be

of a thick wooden Plank, usefor which the Stuffs to be properly stee placed. See Parasity. Gerling at the property of the placed of the Parasity of the Parasity of the Stuffs of the Parasity of the Stuffs of the Stuffs of the Parasity of the Stuffs of the Parasity of the Parasity of the Stuffs of the Parasity of the

Mathed

Method of PRESSING, Cold.

After the Stuff has had all lis Preparation, i.e. has been four d, full'd, and floren (fee Scountry, Francisco, Good, full'd, and floren (fee Scountry, Francisco, Good, 
my the bands, milited with Levens.

After it has him a fufficient time under the Prefi, they take it out, remove the Path-boards or Veloma's and by it up to keep. It may be obleryd, that forme do not tule a Prefix with a Serew in prefing cold's but cantent themfelves with laying the Stuff on a furn Table, after plaining and path-boarding it as before s, covering the whole with a wooden Plank, and loading this with a Wedly, greater or lefs, as is judg'd necessary.

# Method of Parssine, Hot.

The Stuff having receiv'd all its Preparations as before, it is fpeinkled a little with Water, fometimes with Gum-Water, fpurred over it with the Mounts; then plaited e-gually, and between each two Plaits are put Leaves of Past-board; and between every fixth and feventh Plait, as \*\*\*\*Hoster's and between every first and feventh Plair, as well as over the whole, an Iron or Braff Plate, well beated in a kind of Furnace for the purpole.

This done, it is laid under the Prefs; and a Screw brought forcibly down upon it, by means of a long Iron Braff.

Dar. Under this Prefs are laid five or fix Pieces one over another, at the fame time; all furnish'd with their Patt-board, and Iron Plates. When the Plates are well cold, they take the Stuffs from under the Frefs, remove the Patt-boards and Plates, and stirch it a little together, to keep in

the Plair. This manner of Preffing Woolleo Stuffe, is very perni-cious; and was only invented by the Manufacturers to co-ver the Defects of the Stuffe; and except their not giving them all the Shearings, Dyes, and Preparations, that are ne-cessions to mode when we do the Accordingly in the

ceffary to render them perfect : Accordingly it has been frequently probibited.

PRESSION, or death; for PAINE Fort & Dure.
PRESSION, or PRESSURE, in the Carrefian Philosophy,
Truffore; an impulitive kind of Motion, or rather Endeavour
to move, imprefied on a fluid Medium, and propagated thro'

on now, imprefixed on a fauld Micelium, and propagated throit. See Morrows, Furth, and CARTMAN.
In fact a Profiton, the Cartefants fupped the Action of Light to confish for Licutar. And in the various Medification of this Profiton by the Surfaces of Bodies, where that Median is thus prefit, they furpose the various Colours to confit, Eds. See COLOUS.

But Six Total Names have such as the Profit of the Various Colours of the Names have such as the Profit of the Names have such as the Names have such as the Profit of the Profit of the Names have such as the Prof

Corours to conting e.e. Sec Colours.

But Sit figan Newton has stught us better: For if Light,
e.gr. conflided only in a Profiber, propagated without actual
Moston, it could not agitate and warm fuch Bodies are
filed, and refract it; as we actually find it does 5 and if it

flech, and critact it; a is we actually final induces and if it committed in an intentance Motion, once propagated to all Diffusces in an intenta, as their Profiles Suppose, there would be required an infinite frace to produce that Membersham and the control of the committee of the confidence of the committee o diffule itself every way into those parts of the quiescent Medium, which lie beyond the faid Obstacle.

Medium, which lie beyond the fail Objitacle.
Thus the Force of Gravity rends observed, but the
Thus the Force of Gravity rends observed, but the
cervery way with an equable Force; and with equal Zefe
and Force, in prepagated in recorded Lines, an infright
Waxes on the Surface of Wares, which there and diffuse
themselves by degrees into the quinfest Wares, lying
the Company of the Company of the Company
to the Company of the Company
to the Company of the Company
to th and Sounds will be propagated us eafily thro' crooked

and Sounds will be propagated as early into crooked Tabes, as their draight. But Light is ever observed to go in Carve Lines, nor to infield itself as undersom. For the fixed State do imme-diately drapper on the laterposition of any of the Planets, as well as some parts of the Sun's Body, by the lacerposi-tion of the Monte Course of Marchen.

as well as forme parts of the Sun's Dody, by the acceptant tion of the Moon, Venus, or Moreury.

PRESSURE of the Mir. See Ara.

Most of the Effects antiently afribed to the Page Vacui, are now accounted for from the Weight and Proffure of the Air. See VACUUM.

The Preffure of the Air on the Surface of our Earth, is balanced by a Column of Water of the fame Bafe, and about thirty-five Feet high; or one of Mercury of about twenty-nice Inches. See Torricellian Experiment and BAROMETER.

BAROMATER.
The Priffere of the Air on every figure Inch on the Surface of the Barth, is compared to be about differed Foundation PREST, a Day in Money, to be paid by the Shering, upon his account, to the Exchequery or for Money Infra emailing in his hands. Prenate World Priff, ready, in Paxes Money, from the Prince World Priff, ready, in Paxes Money, from the Surface Money Infra Compared to the Surface Money when the Surface Money w ready at command, at all times appointed 3 chiefly under-frond in the lifting of Soldiers.

fined in the lilting of Solders.

PREST-Soil, in the See Language, is when a Ship curies all the Sail she can possibly croud; which is sometimes done in giving Chafe, &c. Bur 'tis a dangerous Experiment, left the Ship over-fex, or bring her Mais by the Board; in which latter Case she becomes an easy Prey.

PRESTATION Money, a Sum of Money paid yearly by Archdeacons, and other Dignituries, to their Bishop, Pro exteriori Jurisdictione.

Profession was also antiently used for other Payments : & quiesi sins de Profintione Muragii, Chart. Hen. 7. and

Guissi par as retrievable baseger, Garantan, Paragramenter Preventager.

PRESTER, a Mercon, confilting of an Exhibition thrown from the Clouds downwards with fach Viclence, as that by the Califficin is a fet on fire. See Marson.

The Profer differs from the Thander-both in the monor of its Inflammation, and is its butting and breaking every thing it touches with greater Vehermencee. See

THUNDER-BOLD The Word is Greek, wards; so called from the resem-blance this Meteor has with a kind of Surpent call'd warris,

and fometimes Msdat.
PRESTER JOHN, or feats, a Term given the Emperor of the Mrsffmiant; because antiently the Princes of this Country were really Principle, and the Word fean in their Language figuities King.

ngames King.
"Twas the Peach who first made him known in Europe
under this Title. His Empire was antiently of vast Excent
at preferr it is confined to fix Kingdoms, each about the bigces of 'Pearagal. cels of Portugal.

The Name Prefer John is altogether unknown in Ethiopia; and took its tife hence, That the People of a Province where the Prince usually resides, when they request
any thing, fay Jean-Coi, i. e. may King. His proper Thie
is, The Grand Negat.

The proper Section of 1886, preprinced by

in, "In Geraal Negat."
There is all to "Profer" folion of Affet, mentioned by M. Pasto the Francisco. His State is in the Country of Congrigon, becween Chrisa and Miffet, and Their a Negation analysis which the Affet is the Congrigon, because the Affet is the Country of Country of the Affet is the Country of the Affet is the Country of the Affet is the Affet in the Country of the Affet is the Affet in Affet is the Affet in 
PRESTIMONY, PRESTIMONIA, in the Canon Law, a Term about which Authors are much divided 3 it is derived a Preflatione quotidiana, and is defined a kind of Be-

rical 3 Produzione guntienas, and is defined a kind of Benefic freely has jungle Prieds In which freely. Profuzione in the fines with a predayeral Comprel. See more with a predayeral Comprel.

The many produces are a fine of Collations Inches we are not of their in Carlies, where Provers, or Julia are Italy and of their in Carlies, where Provers, or Julia are Italy and of their in Carlies, where Provers, or Julia are Italy and Chicas believed in Carlies, Nettleman Collation Inches are not considered to College and Co

cas Unice with certain Revenues artach dto it is which the Incambent is allow'd to fell; and which may be polifield without Tonfure: Such as the Lay-Church-Wardens of Natre Danse. He adds, that in Propriety, the Canoarys of Chappels are Benefices of this nature.

Chappels are Benefiers of this nature.

Upon the whole, the furefit Opinion feems to be this, that Profitmony is a Pand or Revenue affected by the Pounder for the Subfilence of a Prich, without heing exceled into any Title of Benefiee, Chappel, Prebend, or Priory i and which is not fubject either to the Open or to the Ordinary, but whereof the Parton, and thafe who have a Right from him, are the Collators; and nominate and

ofer, plens jure. PRESUMPTION, in Law, a Suspicion, or Conjecture founded on a Verifimilitude.

Profumption is of three forts, 1°. Violent, which many times is allowed a full Proof; as if one be killed in an Houfe, and a Man is feen to come out of the Houfe with Heate, and a sign is feen to come out of the Houle with a bloody Sword, and no other Perfon was at that time in the Houle; this, tho but a Prefumption, is a Proof.

2º Prisable, which both but a finall effect.

2º Legain, or Temeraria, which is of no prevalency at all. In Cafes of a Charter or Feoffment, if all the Witneffes

in Cases of a Charter or Feotiment, it all the witnesses on the Deed be dead; the violent Prefumption, that flands for a Proof, gives continual and quest Fossettion: Stabit presumptio donce probetur in contrarium. Coke on Lit. FRESUMPTION was also anticoity afed for Jurusipas. See INTRUSION

PRESUMPTIVE Heir, the next Relation, or Heir at Law to a Person; who is to inherit from him ab integrate, and who 'tis presumed' will be Heir; nothing but a conmary disposition of the Testator being able to prevent him-

See HEIR. PRETENCE, in Heraldry, fcc Escurencon of Pre-

PRETENS'D, or PRETENDED Right, in Law, is where PRETENS'L, or FRETENDED REGET, in LAW, is where one is inpofferion of Lands and Teacureats, which another who is out, claims and fues for. Here, the present'd Right is him who fociaims or face. FRETER Natureau, in Medicine, 25c. fee Natura.

PRETER, or PRETERIT, PRETERITOS, Paff, in Grammar, an Inflexion of Verbs, expression the Tenic, or Time pass'd. See Verb.

Preser, or Preserit, is a general Name that comprehends the Inflexions corresponding to the several Tenses, or seve-ral Circumstances and Relations of the Time past; all which the Latins, Sc. diffioguish'd by particular laflexions, or Terminations of the Verb; which make the proper Notion of Tenfes. See TENSE.

The modern Languages, particularly the English, in lieu

The modern Languages, particularly the English, is lies of different Terminations of the Verbs themicity, have find different Terminations of the Verbs themicity, have find the Verbs themicity, and the Verbs themicity of the Verbs of the V

perfect. I had knople, I had he heberram, cograveren, profest of, part of period in the operation of period in the protect of ractice of the French Language confift. See Adarstus.

In the psflive Voice, the Latins, French, &c. have re-courfe to Participles, and Auxiliaries, like the English, to form their preter Tenfes, I was loved, amatus eram, j'essis

PRETERIT, PRETERITUS, in the Romen Jerisproduce. A preserit Child, Infans preseritus, is that of whom the Father has forgot to make mention in his Testament; which renders it entirely null. See Testament.

WARE renders it entirely null. See Trayamint.
A Father may make Inflitution, or Exheredation of his
San, has never Preterition
FRETER Laparfell.
PRETER Priprift.
PRETER Priprift.
PRETER Theoryfil.
PRETER Priprift.
PRETER Theoryfil.
PRETER Theoryfil.

FRETERITION, or PRETERITION, in RECORD, a Figure, whereby, in pretending to pale over a thing un-teached, we make a fummary mention thereof. I will not fay be it sulfant, be is learned, be it juff, &c. The most artful Praises are those given by way of Pre-

PRETEXT, Pretence, a Colour, Motive, or Casfe, cither real, or apparent. See Colours.

PRETEXTA, or Practical, and the Modern of Colours.

PRETEXTA, or Practical, among the Romant, was a long white Gown, or Togs, having a Band, or Border of Perple at bottom. See Togs.

It was wore by Children of Quality till the Age of Puberry, i.e. by Boys till feventeen, at which time they laid it afide, and affurned the Virile Gown. Girls wore it till

Martinge, See Virities.

It took its Name Pretesta, according to Gasdwin, quade it purpus Pratesta erat, because guarded about with purple Silk.

The Pretexts at first was a Robe of State, or Ceremony, or core only by the Chief Magnitrates, and the Pricits; nor as it lawful for fuch who were this Gown to he arraigned, or Scotence to pals against 'em, till it was pall'd off.

In continuance of time, it was permitted to Noblemen's
Children; and, at length, even to all Roman Children in

PRETIUM Sepulebri, in old Law-Books, &c. those oods accraing to the Church, wherein a Corps is buried. In the Life Casons, lib. 19. it is ordered, that along with In the D190 Casons, 10s. 139. 133 ordered, that along wan-very Body that is buried, there go his Cow, Harfe, Ap-parel, and the Furniture of his Bed's none of which may be difforded of otherwise than for the payment of Debns, 2cs. as being Familiars and Domeflicks of the Deceated. See

HERIOT, MORYDARY, Go.
PRETOR, Pretor, an eminent Magistrate in antient

Rosse.

In the first Ages of the Commonwealth, all the Magistrates were stilled Presers; afterwards, the Tille was bestow'd on all the principal Officers of the Army: At last,

flow'd on all the principal Officers of the Armys. At Italy, Pyeter became retrained to a particular Magifitate. About the Year of Rame 388, the People follicining to have one of the Confuls always choler from among the People's the Sensitous granted 11, on cendrien that a new Magiffracy flowed ble vected; to be fill'd whelly from a-mong the Participans. Such was the Origin of the Pressee, mong the Patricians: Such was the Origin of the Pressure, Pressure; which, Livy observes, was first discharged by Sparius Farens; and whose Office was so shock to the administration of Justice and Equity between Man and Man 3 mach in quality of a Lord Chief Justice, or Lord Chancel-lor, or rather both in one

of the form of the first plants of the first plants of the first plants increding in propertien as the Empire was enlarged, a frond Fretor was created, to rake cognizance of the Affairs of Foreigners reliding at Rance: upon which the former was diditinguished by the Title of Fretor Urbanis, or major; and the latter by that of Fretor Pergri.

nni, or nagior 3 and the times 15 years, and mine single 5 and times, or name.

The Number, in other cines, was much inceased 3 and the state of the single 
norarium; whence it should feem, they had only the force of Laws our of respect to that eminent Magillerators; the Business of the Presor being rather to look to the Ob-fervation of the old Laws, than to make new ones. See CIVIL Law.

Some are of Opinion he had not the Right of the Sword 3 the cognizance of Crimes being the freein! Province of the Prefelf of Rame. See PREFECT.

But others are of another Sentiment. In the general, 'tis very difficult to fix precifely how far his Power extended, When he walk'd, he was preceded by fix Lictors; and was clothed with the Robe call'd Trabes. See Licron. and TRASEA.

His Authority, like that of the other Magistrates, was very much weaken'd and reduced under the Emperors. In the Digest and Code, is a Title de Officio Pretaris.

PREVOR was also a Title among the Remems for the Governour of a Province, who had pais'd the Office of

Whence Provinces govern'd by Preters, or reftrained to those who had discharged that Office, were call'd Preterior Sec PROVINCE.

PRETORIAN Guards, or Colores, were the Soldiers of the Emperor's Guard 1 fo call'd, as fome imagine, from their Place or Station in the Palace or Court call'd Preso-

their Picce or Studien in the Palace or Court call & Program. See Parayon 1998.

Their Inditation is owing the Palace of Court who first Their Inditation is owing the barieth Men in his Army pickl cane for heapyrofe, to be his Gard; and who move flur'd from his fide in Battel. See Guans.

Their Namber wassal teggh increased, as Dion tells us, to ten theafand. They were commanded by an Officer executed by Angalysis, called Treffictur Protection. See

PRETORIUM, among the Romant, the Place, Hall, or Court wherein the Pretor liv'd, and wherein that Magi-firate fat, to administer Justice to the People. See Pre-There were of these Preserisms in all the Cities of the

Roman Empire. See Curta, Court, Se.
The Scripture mentions that of Jerufalem; and there are

fill fome remains of one at Nifines in Languedoc. PRE- PRETORIUM was also the Tent, or Pavillion of the General of the Roman Army; wherein Councils of War, Sc. were held.

From the time of Augustus, the Emperor's Tent in the Camp was distinguish'd by the Titles of Prescrittm Augustus

PRETORIUM was also a Place in Rome where the Pretorism Guards were lodged. See PRIVORIAN.
Some will have the Presorium to be properly the Tribunal of the Presedust Presorii; or an Auditory deflined for
the rendring of Justice in the Emperor's Pelace. Seo

PREPECT.

This they argue from St. Paul's Epittle to the Philippi-aus; and from this place call'd Presorium, they will have the Guards denominated Presorium, because affembled here for the Emperor's Guard. Others will not allow the Pretorium to be any Tribunal,

or Scat of Juftice, but merely the Imperial Guard-house.

Perizonint has an express Differentian to prove that
the Preterium was no Court of Justice in St. Paul's the Prestrims was no Coart of Julice in St. Paul's time; but the Camp or Flace where the Prestrian Guardi were affembled. He adds, that the Name Prestrims was not given to Flaces where Julice was administred, till long time after; when the Office of the Prestellus Prestri was converted into a Cevil Function. PREVARICATION, Presurrastio, in the Civil Law, is where the Informer colludes with the Defendant, and 16

makes only a feign'd Profocution.

makes only a fright? Profectation.
Spiritai, in his Comments on Giere, pro Guentie, gives
us the difference between the three Terms, Calimonitais,
the difference between the three Terms, Calimonitais,
fright and the difference between the three Terms, Calimonitais,
fright and the Calimonitais, and there will not arge Real and
health of his Client, or not arbore the Objections of health of his Adverfary, when he is able, is field Provariant. And he
who defails in his Accasiation, and let the Suit drop, Terwho defails in his Accasiation, and let the Suit drop, Tergiverfari.

georgies:

PREMARICATION, in our Law, is when a Man fality
and deceitfully feems to undertake a thing, to intentione,
that he might definey it; a gr, where a Lawyer pleads
beety, or atth by collution, gfc.
PREMARICATION is allowed to a feerer Abele committed in the Exercise of a public Office, or of a Committion

given by a private Person.

PREVARICATOR, in the University of Cambridge, is PREVARICATOR, in the Univertity of Cambridge, is a Mafter of Arts, cholen at a Commencement, to make an ingenious, fatyrical Speech, reflecting on the Mildemeanours of the principal Members. See Tears. Filius.
PREVENTION, in the Cance, Se. Law, the Right a fuperior Person, or Officer has to lay hold of, claim, or translaft an Affair before an inferior to whom it more immen-

diately belongs. The Word is chiefly used for the Pope's Prevention of ordinary Collators; and the Royal Judges of subaltern

Ones. The Ressift Canonitts maintain, that the Pope, who is the Source of all Justification, has not transfinited it priva-tively to the ordinary Collators a but that he may full not only collate concurrently with them, burallo Provent them by using his original Power as Head of the Church. See LLATOR.

These Preventions are grown odious in several Countries,

Thele Pretrainess are grown oosses in reverat consures, where they don't now obrain without a world of Modifications and Retrictions; and the Civil Power in France, always ludges in favour of the ordinary Collators.

The Pope has no Prevention to the prejudice of Lay-Themas; but by the Geowride he has referred to himfelf the Right of conferring elective Benefices by Prevention, and even Cathedria and Collegiate Dignities. See Cossessed even Cathedra and Collegiate Dignities. CORDAY

If the Provisions of the Pope, and Collations of the Or-dinary hear Date of the fame Day; the Ultramontane Cano-nifle give the preference to the Pope; the French to the

ordinary.

The Cardinals have a particular Indulgence not to be preceded by the Pope within fix Months.

Fix any ordinary and the property of the preceded by the Pope within fix Months.

Epigrams, and other Fixers, or Name given to certain obleven. Epigrams, and other Fixers, completed on the God Priapas and the precedent of the precedent of the Priapas of the Pri ercof we have many Infrances in the Greek Cataletta. Sec PRIAPUS.

See Palapus.

PRIAPISMUS, PRIAPISM, in Medicine, a continual and
painful Erection or Tenifon of the Yard. See Enertyon.

The immediate Caule of a Printifina, in the Heat, Pungency, or Actimony of the Semen a accompanied with a
Convibition of the Malelto of that pure, which compretting
the Veins and cavernous Bodies, powers the return of the

Blood.

The more remote Caules are too bot, fharp, ftimulating Foods; Cantharides are also found to perform the fame effect, but with much more violence. There are Inflances of People, of pecially lold Men, who, making as for Cantharides to cashle 'em to fatisfy their Passions the better,

THARIDES. The Term is derived from Prispus, a Heathen God, whom the Poets and Painters represent with a Yard always

As Satyrs are usually painted after the same manner, the Disease is also call'd Satyriass.

the Discase is an east of carriags.

Some, however, diffinguish between the Satyriags and

Prinspignas; in that the latter is without any effusion or

defire; but the former attended with both. See Sa. TYRIASIS

PRIAPUS, a Term functimes apply'd to the geniul Parts of Men, viz. the Penis and Telles. See Gantal. The Name took its rife from Prispus, afabulous Deity, The Name rook is the from Pripages, anabutous Letty, particularly adored at Langifachus, the Place of his Birth; who, for the extraordmary Size of his Parts was exceedingly reverted by the Women; informach that the Scripture tells us, King Jip dethroned his Monter Manches, because the had confecrated a Grove to Priapus, and prefided at his

PRICE. Pretium, the Value of a thing. See VALUE.
PRICE-Current, in Commerce, a weekly Account of
the current Value of most Commodities. See CURENT.

PRICK-Post, in Building, fee Post.
PRICKING, in the Sea-Language. To prick the Plat, or Chart, is to make a Point therein, near about where the Ship is to be at any time; in order to find the Courfe they are to fleer. See Course, Chart, &c.

are to fleer. Sec Country, Charry, Er.

PRIESTY, Secretards, a Perfon fee a-part for the performance of Sacrifice, and other Offices, and Coremonies of Religion. See Sacrifices, Religions, See Sacrifices, Period of Marty, of Macchine, of Harvales, of Microsless, of Sacrifices, See Postriffe, S

Ge.

The Jews too had an Order of Priefs and Levites, who far'd in the Temple. See Levers, Ec.

The Makemeters have their Priefs call'd Schoik and Mughri 5 and the Indians and Ching's their Remanns and Comment. See Script 8. Municipal their Brancons and School.

Joupen 1 and the present and Compg their Braness and Branes. See Schester, Murrhtt, Bonnes, and Branes. Pattern, Preferer, in the Christian Courch, is a Person invested with holy Orders in virtue whereof, he has a Power to preach, pray, administer the Sacraments, See, and, in the Romifs Church, also, to bless, absolve, Es. Sec ORDERS.

See Olders.

By the Canons, a Man must be twenty-four Years of Age of the be admired to the Pringillood; a unionly thirty Years were required. See Onder Aton.

The Holy Scripture usually confounds the Title of Pringillo

Prebyter, with that of ZHBOP, EpitCopo ; and does not focus to give any Septembry to the one, ore the other; and, yet, the abfolate Equality among all the Pright in the Government of the Caucht has few Inflances, but we are constitled. See PREMYERS, Bounds and Sadonghir maintain with a world of Realon, that in the primitive Church, the Pright overall with per-Cal Pumilius and without any other properties.

that is the prilimite courten, the Prigits givern a win per-fect Equality, and without any other pre-eminence befild that of Age 3 and yet to conful the Fathers, and Tradi-tion, the Presipterian Form of Government would feare feem to have been known among the Antients. See Pres-

In effect, the primitive Writers speak of nothing but Episcopacy; and of that too, frequently in such Terms, as if they effected it of Apostolical Institution. See Episco-PACY and BISHOF.

As, in the antient Church, the Deacons had the Manage nent and Administration of the Revenues of the Churc ment and Administration of the Kevenuce of the Church, their Authority grew paper, and in a little time they were get above the Priofit; St. Jerom used his utmost Endeavour to prove that Deacons were originally inferior to Priofit; and the Council of Nice decided the Question in favour of the latter. See DEACON

Indeed, an Order of Deacons having been instituted without any other Function than to affill the Prieft at the Altar; these have made no difficulty of owning the Superiority of the Prieft: Add to this, that the Order of a riority of the Friefit. Add to this, that the Uniter or a Deacon being now become necessary to arrive at that of a Priefit, there is no room to difpute the precedence. But the Deacons who had retain! their Fanction, had the dif-point of the Revenues, and paid the Friefit their Feations, fill mainstain! d he Supertority. Upon which, the fixth Council in Trulo prosounced once more on the Diffuse, and gave the Pre-eminence to the Priofis.

and gave the Pre-emisence to the Priggs.

Cardinal Pairsty, fee Carlinal

High Prisay, fee Pontifers,

PRISAY Carl, in Portification, fee Bonney a Petre.

PRIMA Naturalis, in Physica, Monst, or the first Pair

ticles, whereof natural Bodies are primarily composed;

call'd alfo Minima Naturalis, which fee i See also Par-

PRIMÆ Vis, in Medicine, the first Passages of the Chyles

Layley as no Nomach, Intellines, and their Appendices. Soc. Certam. Eds. PRIMACEs, a Dary appointed by a Statute of Henry VIII. to be puid to the Mariners, and Sallones, for the loading of any Suby, at its fetting forth from a Haven. "This sidfferent places; in forme, a Penny of Pennyl, its others, Six pence for Bull or Park. See PRIMARY Plants a BU-Chyle; as the Stomach, Intellines, and their Appendices.

PRIMARY Planet, a Planet which revolves round the

PRIMARY Planes, a Planet which revolves yound the Sun as a Centre. See Planes, Mars, the Earth, Venus and Mercury; thus call di no popolition to fecundary Planes, or Suellines. See Saruan, Vanus, 826.
Some Authors refrain the primary Planus to the Sup-ries occo, vis. Saturn, Junior and Mars; but very imper-tage occ. vis. Saturn, Junior and Mars; but very imper-

PRIMATE, an Archbishop, invested with a Jurisdiction over several Archbishops, or Bishops. See Archaismop. Father Sirmond derives the Origin of Primates hence;

Fainter Mirmond actives the Origin of Primatel hence; That the large Previnces having been divided and fubil-vided by the Emperors; the first Divisions were call'd Fylls, others Xeconsis, others Thirds, Ec. and the This Primate given to the Metropolitans, i. e. to the Bishop of the City which was the Capital of the Province, ele the Division was made. See Mixnorous and Mixnorous.

TAN.
This Metropolitan Primate had some Jutisdiction over the Bishops of the inferior Provinces; and was also call'd Patriarch. See Patralage.

Patriarch. See Patrianch.
The Term Primate is Latin, and fignifies the First or
Professat of a Society: The Greek Word corresponding to
it, is Exarcha. See Exarcha.
Those who hold for a shell Eccledatical Hierarchy, main-Thole who hold for a first Eccletialtical Hierarchy, maintain a Primate to be he who has feveral Metropolitana under him; as a Patriarch has feveral Primates; yet 'tie prety evident from Hiltery, that Primates were at fift confounded with Patriarchs: Thus Socrates conumerating to Patriarcha, does not make any diffinction theroof from Pri-

matrix.

la Africa, after the Diffinction was made, the Primates were not at all fubject to the Patriarch: Thus the Bilhop of Carthoge, who was Primate, paid no Obedience to the Bilhop of Alexandria, who was Patriarch.

Nor, to be a Primare, was it necessary to have Metropo-lians for Suffragans: Each Province of Africa, except those which composed the Diocese of Alexandria, had its

Trong with Composit the Diocec of Mecanism, and its Primate's this Quality being given to Age. In Prance, the Subdivision of Provinces gave occasion to the Ereckion of Primates: Thus Analism, e.gr., being divided into two Provinces, the Archbishop of Bearges became Primate of the Againstain, became Everyse was the Capital of the first Thus also the Division of England into two Provinces,

Thus also the Divideo of England into two Provinces, Caustriany and Serie, in 115, 1850 cocasion to the Introduction of Primaters among us; Canterdray, which was of the Primater among us; Canterdray, which was of England. So in Predate; the hot Archibifloor of Tark fill claims that of Primate of England. And according to Administrations, 65c which the latter has only within the more Primate. So of Parvinces, 1867 the Parker on Primate So of Parvinces, 1867 the Parker on Primate Primate So of Parvinces, 1867 the Parker on Primate South Parkers.

hisown Province. See Province.
PRIME, Prainws, the fifth in Order, Degree, or Dignity, among feveral Things of the Same, or like kind.
Thus we lay, Prina Minigher, Prina Mover, Prinae
Coft, U.C. See Ministra, Morila, U.C.
PRIME, or Prinae Minight. in Geometry, the fixieth
part of a Degree. See Dranzi.
Prime is former did to the tenth part of an

See DECIMAL. In Weights it is used for the twenty-fourth part of a Grain. Sec GRAIN.

PRIME Number, in Arithmetic, a Number which can only be measur'd by Unity; or whereof 1 is the only aliquot part. See NUMBER

Such are 5, 7, 11, 13, 36.

Prime Numbers, inter fe, among themselves, are those which have no common Mensure besides Unity; thus 12

and 19 are Prime Numbers inter ft.

PRIME Figure, in Geometry, is that which cannot be divided into any other Figures more fample than itfelf. See FIGURE.

Such is a Triangle among Planes; and the Pyramid in Solids: for all Planes are made of the first, and all Bodies

Solita: no rail Planes are made of the first, and all Booses of Solitic composable of the Ground Cicle which paller thro' the Poles of the Meridian. See Verwarea.

FRIESE Ferticals, in Dalling or Planes Fertical Diskl, are those projected on the Plane of the Prime Vertical Circle, or on Planes parallel thereto. See Disk Planes.

These are what we likewise call Direct, Erech, North or South Diskl. But fance every Plane but that the low inside

or depetited thereon, which lies open to it; therefore this Plane, (if a direct South) bath the South Piele clearted, and confequently the Piele (which Religies must be the Complements of the Latitude of the Place) will point downwards. Wherefore to find the Hearty Dillane from the Wards of the Plane, the Piele Religies is to the Religies to the Religies to the Religies to the Religies to the Tangent of the Plane, of Major to Calmidge for the Tangent of the Plane, and Major the Plane and Tangent of the Flane, and Religies the Plane and Religies the Religies to the Religies the Religi

Tangers of the feveral Henn Dillance from the Manishan, By this Clanes, the Henra explisite from Fires, as a 18th pith Clanes, the Henra explisite for the Fires, as a 18th pith Clanes of the Control of

New Moon.

New More.

PERME is also ded in the Rowijh Charch, for the first of the Connoical Hours, face-ceding to Lands. Sec. Lavo.

PERME, in Face, is the first, and chair of the Gunde, which is that the Body is in, immediately after drawing the New More of the Connoical Hours of the Connoical Control of the Rowing the New More of the Rowing the New More of the Rowing the New More of the Rowing the Rowing More of the

The Priming is the last thing done in Charging. See HARGE. For Pieces of Ordnance, they have a pointed Iron Red, to piece the Cartridge thro the Touch-hole; call'd Pri-

mer, ot Priming Iron

PRIMING, among Painters, fignifies the laying on of the of Colour. See Colour and Painting. PRIMICERIUS, in Antiquity, the first, or chief Person

in any Office, or Dignity.

In this fenfe the Word occurs frequently in the Code, and even in our old English Laws; the 'it is there also occasionally used for the Nobility, as Primierius toins Anghes.

Mon. Ang. Mon. Any.

The Romans had great Variety of Primiterii, both in Church, and the Emperor's Court; a Primiterius of the Empreß, a Primiterius Angugalis, a Primiterius of the

Bardariot &, of the Legions, of the Court, of the Chamber, the Palace, &c.

The Ecclefiaftical Primicerius, Du Cange observes, was

The Evolophical Primerrin, The Cange chieves, was the fine with the Eventry among us, Soc Charten, as In the Church of Mone, the Primierrins is the first Dgianty of the Ducche, and peptides at Alfrenblae of the January of the Ducche, and peptides at Alfrenblae of the Alfrenblae of the Primierrin and Company of the Alfrenblae of the Alfrenblae of the Primerrin, and Primierrin; He is independent of the Permitten of Parties, and crippy Epifopa I Printings. PRIMIER Softy, in Law, p. A. the Printings and the Primerrin and Primerrin a

fion of all Lands, and 'tenements held or num in const, water-of his Tenant died feized in Fee; and confequently the Rents and Profits thereof, fill the Heir, if he were of Age, did homage; and if under Age, till be became of Age. But all Charges artings by Primier Seifin, are annulled

But all Courges among by a State 12 Gers - See Strain.

PRIMIPILARII, or Palmorularii, in Antiquity, the Soldiers of the first Company, or Cohort of a Legion. See LECION and COHORT

The Primipilarii had confiderable Advantages; one of the chief was, that most of the Soldiers who died in the Campaign, left them their Heirs.

PRIMIPILUS, or Parmoritus, in Antiquity, the first PRIMITILES, or PRIMOFILES, in Antiquity, the Rite Centurion, or Captain of a Cohort, who had charge of the Roman Banner. See CENTURION and CORORT. PRIMITIES, the Fifth-Frairs gather'd of the Earth 3 whereof the Anticus made Prefension the Gods. See Frairs.

In Levisions, the Primitie of all Fruits are enjoin'd to be offer'd to God. See Tiyne.

In our Law, the *Primitie* are one Year's Profits, after Avoidance, of every Spiritual Living, us rated in the King's Books. See First-Pruits.

Books. See First-Fruits.
PRIMITIVE, in Grammar, a Reot; or a Word in a
Language, which is neither derived from any other Language, not compounded from any other Words of the fame.
See Root.
Thus, God is a Primitive; Godly, a Derivative; God-like,

a Compound. See Draiva Tive.

A Compound. See Draiva Tive.

PRIMO Bengleic Declopation bud-ndo, in Law, a Writ directed from the King to the Lord Chancellor, appointing him to bellow the Benefic that final lift fall in the King's

Gift, above or under fuch a Value, upon this or that Clerk-PRIMOGENITURE, Birthright; the Right of the

FRINOGENIA OF A PROPERTY OF THE PROPERTY OF TH

equality among then equativy among them.
Accordingly, the Right of Primageniture, which calls the Elder-born to the Crown, preferably to the other, was not introduced into Pranse till very late: "Iwas unknown to the fift Race of Kings; and even to the fecond.
The four Sons of Couris thard the Kingdom equally a-

mong themselves; and Louis le Debennaire did the same:
"Twee not till the Race of High Capet, that the Prerogative of Succession to the Crown was affected to the

First-born. By the antient Castom of Gavelkind, still preferred in

By the antient Catlom of Govolkind, fill prefervit in frome parts of our Illand, Premagnature is of no section of the catlotte of the catlotte of the catlotte of the Control of the Hawara, whole Centrol of the Hawara, whole Centrol of the Catlotte of the Hawara, whole Centrol of the Catlotte of the Catlott

Morre. PRINCE, PRINCERS, in Politicks, a Perfon invested with the Supreme Command of a State or Country; independent of any Superior. See Monancu. See also

PRINCE is also used for a Person who is Sovereign in his own Territory; yet holds of some other, as his Supe-rior, or Lord, and pays Homage or Tribute to him. Thus all the Princes of Germany are Feudataries of the Emperor; they are all as abfolute in their respective Principalities, as the Emperor himself; yet are all bound in certain Services to him. See Emperor. See also Elec-

TOR, and COLLEGY.

In many antient Titles, the Word Prince fignifies no more than Lord's Du Cauge gives a great many Inflances of it. See Load.

or it. Sec LORD.

In effort, the Word Princeps in Latin, whence Prince in English, or Engine in English, or First, it compounded of the Latin princes, and Caput; and is properly a Word of Dignity and Olisec, not of Property and Sovereignty.

Sovereignty.
Thus, in the Charter of King Offs, after the Bishops had subscribed their Names, we read, Bordanus Patricius, Binnams Princept; and afterwards the Dukes subscribed their

Names.
And in a Obaster of King Edgar, in Mon. Angl., im. 3, 5, 5, 16, 16, 20 Edgarm Ken regains de Egliobe une Durry, 5, 5, 16, 16, 20 Edgarm Ken regains de Egliobe une Durry, 5, 17, 18, 18 Haber Pincepe Ragis reveiles affection probes, 17 ego Turbrillius Time concede. Among the satione Remens, it was the Collom for the Among the sationer Remens, it was the Collom for the world have faceced in the Empire, under the Title of Princept Spreaming, 18 Coffer. See Castan. In the Ladat Trigisars, the Youth who was chool Cuptain, was allocal de Trigotary. Breamings.

JANUS.

Frince, is also a Title given to the Issue of Princes, or those of the Royal Family 5 in which sense, they are called, particularly in France, Princes of the Blood; as partaking of the Blood to which the Sovereignty is affected: caking of the filloot to which the Sovereignty is sinferfed; and early bay Beredistry Right, the as 3 Pertinous fillows and early bay Beredistry Right as a 3 Pertinous fillows and the England, the Kingle Children see call? Some and Walter, See Parse of #Fallows are all the Sour and Walter, See Parse of #Fallows created Dubes, or Early, with what "litch the King pleafes, See Caner." They have no Appeniously, as in France; but cell what The Sour are all by Birth Condition of Saues - The Daughtern on Bild "Principles", to violate the Eddet of Walter See Caner. They have no Appeniously and the See Caner. They have no Appeniously as in France; but Calent Debug and the See Caner. They have no Appeniously as in France; but Caner and 
To all it Sabje the king's Children belongs the Title of Reyal Highnel: All Sabje the are to kneel, when admitted to kils their Hand; and at Table, out of the King's presence, they

their Hand's and at Joseph Carlot of the King's precionee, they are ferred on the Knee.

The first Prince of the Blood in Prance, is call'd abfoliately, Monfact is Prince. The Quality of Prince of the Blood, gives a Rank and Precedency, but does not include any Jurisdiction; they are Princes by Order, not by Office.

Wieningfort observes, that 'is not fifty Years since the Princes of the Bloud of France gave place to all Embaffadors, even those of Republicks; and it was at the King's request, that they were time allow d the Precedency.

The moment the Popo is elected, all his Relations by ne Prince

PRINCE of Wales, the eldeft Son of England. born Dake of Cornwall; and immediately entailed to all the Rights, Revenues, &c. belonging thereto; as being deemed, in Law, at full Age on his Birth-day.

He is afterwards created Prince of Wales; the Investi-He is afterwards created Prince of Walets the Investigate where is perform? by Imposition of a Cop of State, and a Corner, a Verge of Gold, and a Ring. He holds the Principality by Patent, granted him and his Henry, Kings of England.

The Title and Principality were first given by King Edward the first to his closel Son. Till that time, the close

Son of England was call'd Lord Prince. While Normand; remained to the King of England, the eldel Son was atways filled Duke of Normandy: Since the Union, his Title

ways filled Dinke of Normandy: Since the Union, his Tide is Magne Britanume Princey.

He is reputed, in Law, the Lune Person with the King, To imagine his Death, or to violate his Wife, is High-Tuck fon. His Revenues, as Duke of Cornwell, are computed at Laponol, pro-famum. The Revenues of the Principality were offinized to o Years ago at 4680 L. per Ann.

PRINCIPAL, the chief, most considerable, or necessary

PRINCIPAL, in canici, most connectace, or necessary part of a thing, the Mayor is the principal Magistrare of a City or Town: A Council of War consults of the principal Officer. In a Pereration, the principal Voins influed on, are to be briefly frammed up. The Principal of a College, or Hall, is the Maller thereof. See College, and Hall. PRINCIPAL, in Commerce, is the Capital of a Sum due or lent; in which fenfe the Word is used in opposition to Interest. See INTEREST.

PRINCIPAL is also used for the first Fund or Sum put by Partors into common Stock; by which it is diffinguished from the Calls or Accessions sometimes required, when the former proves infufficient.

former proves indifficient.

Rainerrate Pietris, in lettpedive, is a Point in the perplective Plane; upon which a Line drawn from the Eye,

Plane is upon which a Line drawn from the City.

This Point is the literaction of the horizontal and vertical Plane, and is allo called the Point of Siglet, and Point

of the Eye. See Fourt, E.C.

Painterrate Ray, in Perfective, is that which paties

Painterrate Ray, in Perfective, the the Point

Painterrate Ray, in Perfective, the other perfective

Plane See Ray.

Plane. See RAY.

plains. See Rax.
Whence, the Point, where the Ray falls on the Plane, in called the principal Point, which fomes Writers call the related to the principal Point, which forms Writers and I for Tax 100 at 10 at 1

PRINCIPLE, PRINCIPIUM, a Term frequently ufed PRINCIPLE, PRINCIPUM, a Lerm requestry uses for the Caufe, Source, or Origin of any thing is a which feafle we fay, the Principle of Thinking, of Willing, Ed. In Physics, we must were have recount to a first Principle; which it God. See Caus.

The Manichers admir of two Principles, the one of Good, the other of Erils which they challfully in quality

Good, the other of Zvil; which they cliabilly in quality of two contart) Delicis, containly oppoing each other. See Manieurz. See allo Good and Eviz.

According to the Dodline of Palgizis, our Wills are the Principles of our good Althons, and we outfelves the Principles of our good Althons, and we outfelves the Principles of our good Althons, and we outfelves the Principles of our good Wills. See PRINCIPLA.

PRINCIPLE is defined, among the School Philosophers, to be that from which any thing is, if done, or known:

to be that from which any thing is, is done, or known: Unde aliquid elf, fit, ant exposition: which is a very extensive dignification, and agrees to all kinds of Principlet. Thus, the Premise are Principlet, in reflect of the Conclusion; and thus Fire, and every other Agent, are the Principlet of Things which they produce.

The Thomist define Principle to the like effect; id &

quo aliqued procedit alique med

no stiques present stique moses.

The Philosophers usually distinguish Principles, Principles, into those of Being, Effendi; and those of Knowing.

pia, into those of Being, Liffendis; and those of Knowney, Cagosfordis: Or Privile pia Rei and Cognitionis: O. Ot the first they make two Kindes; over, of Origination, which are those from which formedhing precede really the fame with the Principle; as in the Procedion of the Son and Spatis from the Earler in the Thinity: And of De-pendency; in which fond, any Cause is a Principle, in re-frect of the Thing, caused, or a Subject, in respect of the Origination of the Principle of the Privile of the Privile of the Comments of the Privile of Accidents inherent in it.

The second is that from which we borrow, or derive our Knowledge of some other Things or, it is that which makes the Things be known. Such are Axions, Definition, Hypothesis, Such also are Examples, Explanations, See KNOWLEDGE.

PRINCIPLE, in Physics, or PRINCIPLES of a natural Body, is fornething that contributes to the Effence of a Bo-dy, or, whereof a natural Body is primarily constituted-

Bony.

Ariforde defines Principles to be those things which are not made or conflitured of themselves, nor of other things, but all things of them: Que non funt ex se invicem, nec ex aliis, fed ex iis omnia. To give an Idea of natural Principles, confider a Body In give an ice of land, e.gr. that was just now a piece of Wood: 'tis evident there is fomething in the Coal, which

Wood: This is another I minate Form. See Form. Matter, and Form, then, are univerful Principles of pa-teral Bodies.

sard Bootes.

The Perifestericks add a third Principle, viz. Privasims for the, say they, a thing is not made from nohings yet it must be made from its not being that thing
before: This Ariforte calls Precurios, and admirst as a third Principle. But the Moderns reject it; for if Privation he a Princi-

ple, 'tis at leaft fo, in a very different fenfe from Matter and Form. See PRIVATION.

Some late Philosophers admit no Principles but Acid and Mikali. See ACID and ALEALI.

Arificile makes two forts of natural Principles, as they The Principles of Generation, or the Composition of Bodies.

The Principles of Generation, or of a Body in first, are those without which a natural Generation can neither be,

whose which a natural Generation on which Ex-pers be conceived. Such as the three Principles above motion of 3, Matter, Ferm, and Prinattion. The Principles of Comphylian, or on Body in falls of fi-the Principles of Comphylian, or on Body in falls of fi-the Principles of Comphylian, or on Body in confine such as the Comphylian of the Comphylian of the whole the Comphylian of the Comphylian of the other three Comphylian of the Comphylian of the other Comphylian of the Comphylian of the Comphylian in the Comphylian of the Comphylian of the Comphylian of a Miller Market of the Comphylian of Aller Market of the Comphylian of the Comphy

and Principles, therefore, differ in this, that a Principle, as and Principles, interceive, outer in tank, that a remerges, as Matter, is only a begun, not a compleat Nature, but an Element is perfect and compleat. See Element. To this Head may likewise be referred what we call Mechanical Principles of Baddes, which explain the Mechanifm or antificial Structure of Things, and all the Varieties and Differences of Baddes from Motion, Figure, and other

common Affections. See MECHANICAL.

common infections. One mechanical.

Thele Principles are differently maintain'd by three or four different Sects of Philosophers; viz. the antient Epicareams, or Corpuspulariams; to which may be added the modern Egglendigs; and Carrefounts and the Newtonians, See Epicaream, Corpuscularian, Cartesian, and NEWTONIAN.

PRINCIPLES, in Chymistry, are the first and simplest parts whereof natural Bodies are compounded; and into which they are again resolvable by Fire. These are more properly, as well as more commonly, call'd Elements.

The Chymists make five Principles; three whereof as The Columns make hee Principes; three warcers are call'd affive Principles, via. Salts Suthbur, or Oil; and Mercary, or Spirit. The Salt they Suppose the Foundation of all Savouras; see Salt. The Salt they Suppose Odours; see Salt. The Salt they Suppose of Colours; see Salt and the Spirit, or Mercary, of Colours; fee Spipin

The two passive Principles, are Phlogm, and Caput Mor-tum; which they also call elementary Principles. See PHLEOM, ESC.

PRINCIPLES, in the Hermetic Philosophy. According to

PRINCIPLES, in the elements rationophy, recording to the Gentlemen, the two Univerful Principles of fen-fible Nature, are fabrile and falid, which being join'd in a greater or left edgerce, generate all that beautiful Variety of Beings in the Univerfe. of Eemgs in the Universe.

The three Natural Principles are Salt, Sulphur, and Mercury. The Grinciples generate the four Elements, and ure, as it were, fecuedary Elements, infaments at they are contained in all mix d Bodies. Sulphur is the first, and fands in the place of Mule; a Micreary the fecond, standing in the place of Femule; and Salt the third, which copulates the others operface. Dill. Hermal.

PRINCIPLE is also apply'd to the Foundations of Arts also Sciences. See Aur and Sciences. In this facile we far, Principles are not to be proved a cymark be common Notions. See Not row and Arton. Chapter of Administration of the Arton. and Sciences.

There is no disputing against a Man that denies Principles. The worst Reasoning is that which includes a Petitic Principle, i. c. which supposes a Principle that

trite Principle, i. c. which supposes a Principle that ought to be proved.

The Word Principle is also used by extension for the first Rules, or Maximo of an Art. In this sense we say, a Man is ignorant of the Principles of Geometry; meaning, he has not learnt Emilia". Element.

The Principles of all Arts and Sciences are found in this

Dictionary, under their refpective Heads.
PRINTER, a Perfon who composes, and takes Impressions from, moveable Characters, ranged in Order; or

om Plates engraven : by means of link, a Prefs, &c. See PRINTING. Schooffer, Mantel, and Koffer were

Fuft, Guttembourg, Schoeffer, Mantel, and Kofter were the 3rft Printers. The first that practiced it in England, was Fred. Corfeles, brought over from Haerlem, under King Henry VI. In France, Gering; at Rowe, Courad Sweyn-beim, and Arnold Pannarts, both Germant; at Naples, Sixtus Rufinger.

Sixtin Kunnger.

The great Frinters were Aldus, and Paul Manutius;
the two Badii; William and Friderick Morel; Openia;
Froben; Rob. Hen. and Char. Stephens; Gryphens; Turnobius, Torres, Commelia, Plantin, Rapheling, Vafofan,

Beolii, Lovre, Commun, Plantin, Repealing, Vejugan, Bleau, Criffin, and the two Elseure. The learned Printers were the Manutii, the Stephene's, the Badii, Turneius, Weelel, Merel, &. Plantin had the Title of Arch Printer given him by the

King of Spain, in confideration of his printing the Polyglos of Antewerp.

The Names, Characters, and Eleges of all the famous Printers are found in the Hd Book of the Censura Au-

thereum. The Frinters, fince the establishment of that Art, are esteemed a part of the Company of Stationers and Bookefellers: Before that establishment, the Company constitute only of Booksellers, Binders, Illuminers, and Farchment-

The Parchment Makers prepared the Skins, and made the Parchment or Velom; which were then almost the only Matters Books were wrote on. The Writers, or Statioonly Martes Books were wrote on. The Writer, or Series on merit, arove out transfrish Books after Capies given by the Benkfellers. The Binders were charged with one being the series of the Benkfellers. The Binders were charged with one filting of two flight Boords were try course, each other than the transfer of the Binders of the Binders of the Binders of the Binders on the Binders of the Bin

their Copies in Shapp, and other Funcia, on the may allow u-em by the Statutes to expose the fame. PRINTING-Houfe, a Place defined for Printing, and fitted up for that perpose with Press and other Furnature. The melt confidenable Printing Houses in the World are those of the Lowere and Varican

whole of the Lowers and Fatisat.

The fifth legan under Fatisities Carried to its strong the Table 11 and Table 12 and Table 13 and Table 14 and Tab

The Lattica was the first that princed in Arabic.
The Claracolor Printing Holgest a Oxford, Io called because opened with an Edition of the History of the Lord of that Name, promifice well: It has already formitised with a fine English Bible.
FRINTING, the Art of taking Imprefisions with Ink, FROMTING, the Art of taking Imprefisions with Ink, from Charafters and Figures moveable, or immoveable, pure Paper, Velom, or the like Matter. Sec Characters, as

INE, PAPER, &c.
There are two kinds of Printing; the one for Books; the There are two kinds of Frinting; the one for Books; the other from Copper-Plates, for Fidures: The fift call'd Common-Freft-Frinting; the fecond Rolling-Freft-Frinting. The prime difference between the two conflits in this, that the Characters of the former are cast in Relievo; and those of the latter engraven in Creux. See Relievo, Ex-

GRAVING, Ec. The Art of Printing is a modern Invention: "Tis, in-deed, of a very antient flunding among the Chinese; hus then their Printing is very different from ours. It must be own'd the European Printing, in its Original, was moch

own a the Entropes Finance, we as there was at that time no Commerce or correspondence between Entrope and Elima, the passage into the East by the Cape of good Hope being as 10 N

yet undifcover'd by the Portuguese; there is no room to charge the Europeans with borrowing their Art from the

change the Européans with horrowing their Art from the Change?. But actum fit to word it have full to on the fame thing, the'd at very different times. Pacher Chapfer affactus at, that Phinning has been in selic in Chine from the Year 52c. Father It Capter feeds more largely in Sping, that it has been there town, almost, all Ages . He adds, that there is this difference with their and ours, that, whereas we have first former for their and ours, that, whereas we have and by the various Armengment of their, are able to form infinite Volumes 3 we have the Addraugante, the matthew on Chunellen more where the Armengment of their, are able to form infinite Volumes 3 we have the Addraugante, the matthew on Chunellen more contentions. Arrangement of their, are able to torm institle Volumes! we have the Advantage, by making our Characlete move-able, to print the largest Works with an incondictable Quan-tity of Letters; shoule that ferred for the first Steere, ferring over again for the fucceding ones: The Chingle, in-contrary, by reason of the produleus Neut more actly and left expensive to over all their tenture; and more actly and left expensive to over all their Letters are wooden Blocks; and thus to make as many Blocks as there are Pages in a Book, and these of no further use but for that single Work.

# Origin and Invention of the European Painting.

Their Method of Printing fee bereafter.

Who the fift Inventors of the European Printing were 3 in what City, and what Year 'reas fift fet on foot, is a famous Problem long diffused among the Learned; effect, as the Greeian Chies contended for the Birth of Homer ; fo do the German Cities for that of Printing. Hamer a to do the German Cities for that on Printing.

Ments, Haerlan, and Grashourg, are the warmeft
this Point of Homear: Inly also would have enter'd the
Lifts is but he Suffrage being a first divided between the
first three Pretenders, they are left in possible theweo
Quellien, which, in reality is not very triply decided 3 the bit
must be own?, Ments has always had the Majority of Voices.

Distribution of the Ments of the Men

mult be own'd, Mette has always had the Majority of Vorkes. We find In or enter into a tice Diffquition of the Merits of the Casfe, but only propofe the Pretentions of each. John Masset of Structurey, John Guttenburg and John Full of Mente, and L. John Köfler of Hearton, are the Per-fons to whom this Honour is feverally afcibed, by their re-pective Countrymen's and have all their Advocates among precitive Countrymen's and have all their Advocates among

e Learned.

the Learned. Mantel, a Phylician of Paris, enters the Lifts in hehalf of his Name-lake of Stratsburg; and contends that "was he fifth invented Printing in the Yeast 1444, and that in consideration hereof, the Emperor Frederici III. gave him a Cast of Arms corresponding thereto: He adds, that Gurtenburgs, whom he had taken in as a Partner or Affociate, the Cast of 
temberry, whom he had taken in as a Yastnet or Attocian, carry'd it to Metrus, where he took in Figh 3 Farine, ce. refer the first livestion to Leavenints, Schreevins, Schreevins, fire first lives in the Year 1430. Adding, that his Affociane, Gastisnborry, fide away his Tooks while he was at Church's and carried 'cm to Afterna, where he fer up for the first livestone diversariable or the first livestone. On the satisfact the History of the first livestone of the satisfact the History of the livestone of the satisfact of the History of the H

Munster, Polydere Virgil, Passauer, Sc. will have Gut-tembourg, or Guttemburgh, to have really been the inven-tor of Frinzing; and add, that he took in Fust and Schorffer

wer of Privating) and add, that be took in Parl and Scheriffer (Alexans. Alexans. Al

magglacute resignate vs. Supremia 22et, in 1595; 7: A mis Liveni, in 1518. Add to this, that at the beginning of Live, in a Printinger granted by the Emperer Maximilian, to Schoeffer for the folle Power of printing that Author for tox Years; and for fix Years to all the other Books he fload print threather, in confidention of his Father-in-law, Fully having invented the Art of Printing. This Printings in dated 4;168, and

the Art of Printing. This Privilege is dated 1318, and figured Jac. Spirgel.

Erajinat, however, in the Epidle after that Privilege, does not politively aver the Fact; he only observes, that the farth, or the chief laventor of that Art is beld to be 7.

Fags. In the Advertisement to the faid Book, Nich. Car-

backins speaks to the same effect as the Privilege, and

Erafinis.

As to Gattemburg, Montel, and Kofter, Natude observes, the Person is not yet born that can tay he has ever seen Books printed by any of 'em, before, or as early as thee of Fugl. All that is arged on their behalf, is only founded on Reports, Conjectures, Probabilities, forged Authorities, and the Jealousies of Chies against one another.

Yet Salmuth, in his Additions to Pancirollus, cites a public Act, whereby it appears that Fuß, after having invented Printing, and fuffain'd it a long time on his own footing; at length took in Guttembourg as a Partner, to contribute to as tengin took in entiremoving as a struct, to communic the Expence; which was very great, by reason the first Books were most of 'em printed en Vellum, or at least Parchment, and after the Chinese way.

But the Cause is not thus decided: The Advocates for

But the Garle is not the accided: The Adventues for Kepfer ruge divers things, to put him in the place how affigued to Fight. Mrs. Elist, in the Philip Transpill, failors Books on him prior to any off these two reads to Fight Books on the prior to any off these two reads to Fight Books of the Philip Transpill, the prior the Philip Transpill, the Harrisontra, flower printed Books of that Date, which agreeing to well with the account gives by Table. Adventuria, and others, leaves little room to doubt, whether the Hosseuer di-terior than the prior the Philip Transpill, and the Language that the Fight, according to this Witter, in the housest effectivities as prediction as a Prior thin to the Control of the Philip Language and the Control of the Philip Transpill and the Philip Transpill and the Philip Language and the Philip Transpill r and

many Years after. many kears after.

But the difficulty lies, either in showing why the Practice
should be at a stand from 1432, to the reviving of it at
Ments by Fust and Schooffer, in 1463 or elle in giving
some account of the Condition and Progress of this Invention

during that Interval.

during that Interval.

Now, Beckermin, Schrewlius, and other Authors, exprefly affirm, that fo large a Work as the De Sprigel, Specultura Schutzi, of Kefter, fixers as Haerius for the first
printed Book, could never be his first Biffay: He must
have be Art in its rougher Rudiments before, and
have made many Trials on lefter Works: No doubt his
have made many Trials on lefter Works: No doubt his have made many Irals on letter works. No doubt his first Attempts were on loof Sbeets, which we may furprofe were easily lost. In effect, it must be allowed no inconfi-derable Argument in Koßer's behalf, that the rudest and most articles Performances (eem to be his . Mr. Ellis meamoil artlefs Performances feem to be his: Mr. Ellis mea-tions fome things in this kind without Date, which he had feen in the King's Library at St. Januel's, in that of Benne College and the Bodiests as Colprian, with all the Markes of the utmoil Simplicity, and which might fairly bid for first Effsys: There is forniching for askward and coords in em, that any body almost might have done 'em's mere Nature being fulficient, without any Jat or Experience at all. The Ink was only common writing Ink, unartfully fpread upon wooden Blocks, very clumbly cut, &c.

wooden Blocks, very elumbiy out, \$\mathcal{E}\$c. By this time we have traced up the Art to fuch a State, that it may, perhaps, fearce feem worth the contesting who it was invested it; and no doubr, Printitys as it now stands, ower more to the Genius and Address of some of the later Im-

provers, than it did to its Author.

The fame Confideration may make us more easy under our present Ignorance of the Inventors of most other Arts; many of which had fuch simple un-meaning Originals, that you or I should, perhaps, think it no mighty Credit to be effected the Authors of Inventions nothing less Artful and Ingenious.

# Progress of PRINTING.

The first Printers, then, whoever they were, whether Kofter, Paps, Schotffer, or Gentramburg, made their first Edits on wooden Blocks, or Forms, after the Chingle manner.

"Tis not improbable, fays Mr. Zugford, they might take the Hint from antent Medis and Seas's job to Other rather imagine it to have come from the Method of making playing Cards, which, tile certais, becar a near refemblance to the primitive Process of Printing 5 as appears from the first Specimens of that Art above-mentioned. See CARD.

The Book at Haerlem, the Vocabulary call'd Catholicon, The Book at Harrism, the Vocabulary call'd Lathenews, and the Picces in the Bulletins and Bennes's College, are all perform'd in this ways and the Imprefices appears to have been only given on one fide the Leaves; a siter which the two blank fides were pasted together.

But they foon found the Inconveniencies of this Method; and therefore bethought themselves of an Improvenient; and therefore bethought themselves of an Improvenients.

which was by making fingle moveable Letters, diffind from one anoth

These being first done in Wood, gave room for a second Improvement; which was the making of em, at length, of Metal; and, in order to that, forging Moulds, Matrices,

Se. for cafting 'em. Set to catting em.
From this ingenious Contrivance, we ought to date the
Origin of the prefent Art of Printing, as practified in Enrope; contra-dillinguish'id from the Methods of the Chings
abroad, and the Card-Makers at home, which were tile
finne Art, only practified in a different place, or with a

Johnson king.

different view

PRI (875)

PRI

And of this, Schoeffer, or Schoffer, first, Servant, and after-wards Parmer, and Soo-in-Law, of Finst, at Mento, above-mentioned a is pretty generally allow'd the Inventor. So that mentioned; is pretty generally allow a the inventor. So that he was properly the first Printer; and, in firstless, the Bible, which was printed with movemble Letters in 14 co.

lible, which was practed with moreable Letters in 15.00 was the first primate Book; the next was Angapifia at Consecutive, then Intell's Office, &c. about the Lear 146.

But the Are being yet in its leftency, there were found to the consecutive with the consecutive was the waste of Copiest Letters; benech they left the place of the initial Letters blank, and gave tem to the Human or paint in Gold, or Amer. The, others fay, this was due delignedly, to canable can pain off their Books for deep consecutive or the consecutive was the consecutive with the consecutive was the consecutive with the consecutive was the consecut Manufcripts.

Manuscripts.

Some Authors tell us, that Fuß carrying a parcel of his Bibles to Paris, and offering em in fale as MSS, the Brand, upon confidering the number of Books, and their exact Confurnity with one another, even to a Point; and that the best Book-Writers could not be near so exact ; concluded there was Witcheraft in the case; and, by either actually indicting him as a Conjurer, or threatning to do fo, extorted the Secret. And hence the Origin of the pepular Story of Dr. Familus.

polar Story of Dr. Fasqus.

From Meurz, the Art of Printing food forcad idely
throughout a good part of Europe; Hacriess and Straffoors had it very carly; which, as the current of Authors
reprefent; occasion'd their pretending to the honour of

the Investi

the Invention. Prom Harrless is paid to Rame in 1467; a and into Eige-land in 1468, by means of The, Bearrleiser, Archbiftop of Contribury, who fees the Timere, Maffer of the Robes, and W. Caston, Micchant; to Harrless, to learn the Art: Their privately prevailing with Corples, as Under workman, to come over, a Fred was fet up at Oxford's and an Edi-tion of Regitant on the Oxed private the fame Year in a

tion of Resputs on the Green printed use same year.

From Oxford, Caston brought it to London about the
Year 1470. In the same Year it was carried to Venice, and Year 1470. In the fame Year it was carried to Venice, and to Paris, where Gering, Grantz, and Friburger, all Ger-mans, invited thither by two Dochurs of the Sorbanne 3 fet up a Prefs in that learned House.

Whiterto there had been nothing printed but in Latin, and the vulgar Tongues; first in Roman Characters, then in Gothic, and at last in Italic. But in 1480, and, as some fay, in 1476, the Italians cast a Set of Grank Types: and it

was at Venice, or, as Iome fay, at Afilan or Florence, that the first Editions in that Language appeared. The Italians, too, have the honour of the first Hebrew The Leisen, was, here a honor of the first Albertz Relinies, which were prised shout fairs then with the Grob, at Sanzion, a lattic Cay in the Durits of Millen 1, some the distriction of two Group Relinies, Nyflont and Marson and the Leisenberg of two Group Relinies, Nyflont and Marson Leisenberg of the Christian of well 34co subwrings on the Year 436 of the Christian of the Millen 1. Towards the cold of the 6th Christy, these appearance of the first Christian of the Albertz Albert

stopic by M. Savary, then Ambaffador at the Port.

Out of Europe, the Art of Printing has been carried into The three other Quarters of the World: For Affa, we fee Imprefixons of Books at Gas, and in the Philippines; at Lima, Bofon, Maxico, See, for America, and at Morecco

The Turks, indeed, rigorously prohibit Printing through-The Tarks, indeed, rigoroully prohibit Printing through-out their Empire, as imagining that the too free Commu-nication with Books, might occasion fame change in Religion or Goterament; yet the Few there feered Entitions of their Books printed at Confaminophe, Theffalonica, Sec.

Method of Passyres

The Printing Letters, Characters, or Types as they are femetimes call'd, we have already spoke of, under the Articles LETTER and CHARACTER.

Of the Method of forming or cashing them, under the

Of the Method of forming or calling them, under the Article Letter-Fountary.

And of the Art of Expraing the Puncheses, Murice, Expression and Punches, under the Article Expression and Punches, under the Articles Expression and Theorem and Punches, and Punches, and Punches, and Punches, and Punches, and Punches, formines an Indick, and formerines an English Face. There are also some of the Punches, and the Miglia of the Punches, and Punches, a

Face.

The most usual Sizes, or Bodies, with their Proportions, are shown and exemplify'd in the following Table; where, it is to be observed, that the Verse answering to each is

composed in the respective Letter

Los Primer Enel Pica. Gnat Primer. Double Pica Two lined English.

Which alon to seek, see fix our fields from.
Emboth with Bale, and bitter biging Grief.
Which Love had immeed with his deadly Daria. With wounding Words, and Terms of foul Reprief. He pluck'd from us all hope of due relief. That erft us held in love of lingering Life. The Hopeless, heartless 'gan the conning Thief Perfuade to die to flint all further flrife : To me he lent this Rope, to him a rufty Knife:

With which fad Instrument of hasty Death.

# That woful Lover lothing--

A Set or Forst of any of these Sizes, includes current Letters, Capitals, nameral Figures, Points, Spaces, Sc. Sec.

FOUNT.

The Workmen employd in Printing are of two kinds;
The Workmen employd in Printing are of two kinds;
Compositors, who range and dispose the Letters into Words,
Letter, Rees, &c. according to the Copy deliver'd them by
the Author: And Prefixence, who apply lost upon the fame,
and take off the Impression. See Composition, &c.

Office of the Compositor.

The Types being east, &c. are distributed, each kind by itself, among the Divisions of two long wooden Framer, an wapper, and under one, call'd Coffs; each of which is divided into little Cells, or Boars, of disferent Sizes.

The Boxes of the upper Cafe are in Number 98; and in these are disposed the Capitals, small Capitals, accented Letters, &c.

In the Cells of the lower Cafe, which are fifty four, are disposed the common running Letters, with the Points, Com-

ma's, Spaces, Quadrates, &c.

Each Cafe is placed a little flope, like a reading Dask, that the Operator may reach the upper Boxes the better; and be in less danger of mixing the Letters by stretching his Arm over them. See Case.

his Arm over them. Sec Casz.

The Compositor's Poil is against the middle of the Case, and he works standing: holding an Instrument, call'd the Compositor's Sirick, in one Hand, with the other he takes out the Letters, Points, Commais, 50°, as he needs them, not of the Bexes 3 ranges them on his Composing Stick; and, put-

ting a Space between each two Words, forms one Line after another; till the Stick being full, he empties it out upon an other Inftrument, call'd the Galley; several of which ranged in a Frame, call'd a Chafe, are ready for the Prefs.

This short View of Composing, we shall further illustrate

and enlarge upon-

and enlarge upon.

The Compfying Sirk, then, (reprefented Tab. Misext-Laxy, Fig. ) condition of a Plare, or Slip of Braf, Iron, or Wood, more eld brand, and control do a robe near the or Wood, more eld brand, and control do a robe near the Number of Lieux to be compeled in it.

From the right Side of this Plate arifes a Ledge age, and the Number of Lieux to be compeled in it.

From the right Side of this Plate arifes a Ledge age, as about half as inch high, ranning the whole length of the Plate, and foreign of fulfain the Lextre, the Gloc of which are to red against it a from the finer Plate likewide sife row other lefter process, and conce of which, it is constrict and the side of the side of the side of the side of the row other lefter process, and conce of which, it is constrict to the side of side side of side side of side of side of side to flide along it, that so the two pieces may be either ap-proached or withdrawn at pleasure, to adjust the length of the Line to the Measure intended. See Composing-Stick.

Add, that where Marginal Notes, References, Sc. are required in a Work; a fecond sliding Piece is added in the Composing-Stick, at the proper distance from the former: as at 6

E'er the Workman proceeds to compole, a Rule, or Slip of Brafs-Plate, cut to the length of the Line, and of the fame height as the Letter, is placed in the Compoling-Stick against the Ledge thereof; for the Letter to bear immediately against.

diately against.
Things thus prepared, and having the Copy lying before him, and the Sick in his left Hand 3, with the right he picks up the Letters, Spaces, 85c. and places 'em against the Rule's, while with the Thumb of the left he presses the manager of the left her presses the left her elofe to the upper S.rew, or Check 3 and thus keeps them tight and fleady; while the other Hand is confiantly employ'd in fetting in more Letters: The whole performed with a degree of Expedition and Address, nor easy to be

A Line being thus composed, if it end with a Word or Syllable, and fill the Measure; there needs no further Care; otherwise more Spaces are to be put between the several

Words to justify the Lines, i. e. to make the Measure pretty fliff; and thus he proceeds to another Line. The Spaces here used are a fort of blank Characters, of the like "rimentions as the Letters, bat lefs high; and whole Faces, necessor, when fet, do not appear, nor give any Imprefition. They are of feveral kinds according to the Dimentions of the Blanks, or Intervals to be made by them, imperious. I take the contrast them according to the contrast that is a secondary of the contrast that

following.

following.

Taking the Rule from behind the laft Line, he places it before it; and with his two middle Fingers fqueenes the Lines in the Sixth clote, a list of Fore-fingers at the fame time being apply 40 on the ostified of the Rule: thus he lifts them out of the Sixth, and clapping his two Thumbs behind the fift Line, lifts them into the Galley; a thing care of difenges his two Thumbs the conditions are the real transfer of the Galley; a thing care of difenges his two Thumbs the Lines.

or difengen his two Thumbs without breaking the Lines.
The Composition having that first the proper Number of
the Composition of the Composition of the Composition
than time the Galley; he again fill, and emption
as before, till a completa Fage to formful Remember
as the bottom of every Page to fee a Line of Quadrate
as the Storem of every Page to fee a Line of Quadrate
as the Storem of every Page to fee a Line of Quadrate
as Gardel Ward; and, if it be the first Page of the Store
The Galley is all, if it be the first Page of the Store
The Galley is all, worden latimument, in form of a long

Square; of a length and breadth proportionable to that of the Page: It confifts of two Parts, the Upper, call'd the Slice, whereby the Pages of large Volumes, when com-Body of the Galley, is ledged on three fides, to contain the Slice; the inner Ledge not to exceed half an loch in height, that the composed Page rising above it by one half

the height of the Letter, may be tyed up, or bound down and removed without danger.

This Galley is placed at the Top of the Cafe, and detained by two wooden Pins from fillding down the Boxes

Sce GALLEY.

Soc GALLEY.

The Page, then, composed and ranged in the Galley, be ties it up therein with a Cord or Pack-thread; and Genie by; and proceeds to the next, will the Number of Page of the Sheet be completed: which done, be carries them to the Indepling of Correlling, Stems, there to transpect them in Corden, in a Cord of which they call Indepling.

The Cody is a Rectangular from Frame of different bi.

The Cody is a Rectangular from Frame of different bi.

mensions, according to the Size of the Paper to be prized on; having two cross pieces of the same Metal, call'd a long and floor Croβ, mornifed, at each end, into the Frame.

long and more Crois, mornined, at each each, into the rrame, for at to be taken out occasionally.

By the different Situations of these Croffer, the Chase in the dor different Volumes for Quarto's and Octave, one travers the middle lengthwise, the other breadthwise for at to interfect in the Centre; which is the most cultimary Situation : For Twelves and Twenty-fours, the flore Crofs is shifted nearer to one end of the Chase : For Folso's,

Cook in Mindel nerre wow could of the Chie r. Fe's Bound. The long-Crist is difficulty over a die their or oppised in the Middle s and for Brondides, or Sixcus primined on The Green of the Chief of the Chief of the Chief of the Chief, or range and fast the Pagus branch, they make 46 of a Set of Firmitizare, confilling of Region, they make 46 of a Set of Firmitizare, confilling of Region, and have the contract of the Chief of the C

Letter and the Chafe, in the Polition Intercentional of the whole is lack by up means of other lefter pieces, which we left is lack if up to mean of other lefter pieces with the weather than the lefter pieces and the lefter pieces and the lefter of the Political Section 1967, and the lefter of the Political Section 1967, and the Political Section 1967, and the lefter of the Political Section 1967, and the lefter of the Political Section 1967, and when lock'd pay, they finds it is, from the time condition the Work is call'd a Form, consisting the lefter of 
Man. Indeed, as it is impossible but there mast be Mistakes in the Work, either thre' the Oversight of the Compositor, or by the transfortion of the Letters in the Gales 5 after drawing off a Proof, it is deliver'd to the Corrector, who reading it over, and rectifying it by the Copy it is remained to the former Operator, to be corrected accor-

For the Characters used in correcting a Shoot for the

For the Charafters sted in correcting a Stoce for the Compositor, for Cara-Keynov, Mr. Ber Form usen of the Compositor, the Cara-Keynov, the Stock of the Cara-Keynov, the Stock of the Cara-Keynov, the Cara-Keyn

where Interteous or Omitions are to be mode, "date-stailing antices a needing to our-raming in need to which, they mail the complete, or return the Lines back from the Challe since the Colley, and from the Challe years into the Colley, and from the Challe years into the Complete, and the Challe years in the Colley of the Challe years in the Challe years in the Challe years in the Challe of the English of the Challe years in the Challe of the English years in the Challe will be got in by Arthagolius the Spaces of the Lines fruit Effective of the Challe years in the Challe years in the Challe of the Challe years in the Challe of the Challe years in the Challe

over-run c'er it can co Where an Omiffion is to be made, the contrary courfe mul Where an Omitton is to be made, the contrary courte must be taken. If it be but little, the Composite trakes it out, and drives out the Matter; by either enlarging his Space, or be-flowing the beginning of the following, or the close of the preceding Line, therein. If it be confiderable, he may be obliged to over-tun several Pages o'er it can be driven out. PRI

Office of the Preffman, or PRINTING, properly fo call'd. To work off the Form thus prepared and corrected by the Compositor, there are three things required, Paper, Ink, and a Prefi.

jak, and a Fryfi.

To fit the Paper for inc, it is to be first wet or moisten d, by dipping foreral Slacet together in Water; these are asterwards ladd in a heap over one another; and to make enterwards ladd in a heap over one another; and to make enterwards ladd in a heap over one another; and to make enterwards and to make enterwards. As to the degree of wetting, it must be according to the Quality of the Paper, and the Size of the Letters, and this Paper, requiring most

The Frinter's Ink is of two kinds, black and red. The Printer's Ink is of two kinds, black and red. The last occasionally used in Title-Pages, Calendars, E6. the first for the Body of Books. The Composition of each, the new rectoor'd no part of the Printer's Business, but usually furnish'd 'em by other hands, is as follows.

# Method of making the PRINTING-Toks.

Au hundred Pounds of Nut, or Linfeed-For black Ink : Oil being reduced, by boiling, to the Confidence of a Syrup, Ohbeing reduced by builing, to the Confilence of a Syng-ic least a drap purity? By throwing into it two Pounds of confe Bread, and about a doten Chines. They then hold the conference of the conference of the conference of the time as they find, upon its cooling on Payer, that it becks clean, like Glaff, without pulveriang; s for if it pulveries cally, 'its figu is bount. The Ol and Turpenine thus prepared, the first is gently pour'd, half cold, into the last-ce of the conference of the conference of the conference will mixed a sign with a Special with a Scitch will they be

ter; and the two liter's together win a Suck till they so well mixed 3 after which, the Composition, which is call'd the Varnish, is fet by, to be used occasionally. Now, to proceed so make link, they take a quantity of this Mixture, and add to it a certain quantity of Lamphlack is working it up with a kind of swoden Mullet, or Zingger, till the whole be incorporated and reduced into a

Strayer, till the whole be incorporated and reduced into a kind of Rulys which is the lisk for ace, kind of Rulys which the lisk for ace, the reduced into a kind of Rulys which the Rulys for the Rul

For red Ink : They use the same Materials as for black, EW 100 IME: 1 not pile the fame Materials as for black, excepting that initical of Lamp-black they add a proper Quantity of Vermillion. Some hold, that by mixing and incorporating the bigorfs of a Nat of Fifth-glue, or Brandy, or the White of an Egg with the Ink; the Vermillion acquires a greater Luite.

The lak is applied upon the Forms by Balls, which are a kind of wooden Funnels, the Cavities whereof are fura kind of wooden Funnels, the Cavities whereof are fur-nifind with Wood, coverd with Leather natied to the Wood. One of thefe the Prefs-man takes in each Hand, and ap-plying them on the Intel® Mexic, to charge 'em with Ints, he rabs one against volter to diffribute the Ink equally; and, at last, finears over the Form by insting or dathing 'em feveral times over the whole Face thereof: This leaves the Form in a condition to be pais'd under the Prefs, with the moitlen'd Paper laid thereon.

### The PRINTING-Pref.

The Printing-Profs (represented Tab. Miscrellany, fig. 8.) is a very complex Machine 5 its two principal Parts, each whereof confits of feveral others, are the Body of the Profs, which ferves to give the Pioch or Stroke for the Imprefilion; and the Carriage, on which the Form is laid to

The Body confifts of two firong Checks bb, placed perpendicularly, and join'd together by four crofs Picces of Plankr.

The first Plant e, call'the Cop of the Perci, in fixed, and ferres to keep the two Checks negether at the date distinct, at 100°. The forced M<sub>2</sub>, all'd the Hand, it fixed, and ferres to keep the two Checks negether at the date distinct, at 100°. The forced M<sub>2</sub>, all'd the Hand, it fixed the Hand, it fixed the Hand is fixed at Event Section (First, with a territor Mercin, with a territor Mercin, with a territor Mercin, with a territor Mercin, with a step of the Hand is fixed at Event Section (First, with a territor Mercin, with a step of the Mercin, with a step of the Mercin Mercin, with a step of the Mercin Mercin, with a step of the Mercin Mer

The Spinale g g, is an upright piece of Iron pointed with Steel, of different Dimentions; having a Male-Screw which goes into the Fernale of the Head about four Inches. Thro' the Eye b, of this Spindle, is riverted the Bar, by which the Prefs-man works the Prefs.

(877)
The lower part of the Spindle patter thro' the Spindle Patter through the Spindle Spindle Patter through the Spindle being inclosed in a square wooden Frame i, call'ethe Ligit poly of the control of

At each Corner of the Hofe, is an Iron-Hook fasten'd to those at each Corner of the Platten, with Cords or Pack-

thread very exactly.

The Carriage 1111, which makes the fecond principal Member of the Prefs, is placed a foot below the Platten, Member of the Yests, is placed a foor below the Plantin, having its fore part fupprosed by a wooden Prop a, called the Fore flow, while the other resis on the Winter. On this Carrage, which fulfains the Planta, are nall'd two long Iron-Bars er Rily oe, and on the Planta are nail'd finer pieces of Iron or Sucel pf, call'd Cramp-Irons, equally tempered with the Riles, and with filled pone erm when the Definition of the Plantin Property of the Plantin Property of the body investigation of the Plantin Property of the Plantin Property of the body investigation of the Plantin Property of the Plantin Prope the Prefs is turn'd in, or o

the Preusstand in, or our.
Under the Carriage is fix'd a finall piece of Iron call'd
the Spir, with a double Wheel in the middle, round which
Leaster Girs are fallen'd, nail'd to each end of the Plank.
To the outfield of the Spir is fix'd a Handle, or Remove, by which the Prefs man turns the Plank in or our at pleafure

which the Preis-man turns the Plank in or out at pleafure. Upon the Plank is a fiquare wooden Prame, or Coffing q q, wherein is inclosed a Marble, or polish'd Stong, for the Form to be laid on: To this Costin are faithen'd Leather Stay Girts, one on each fide y which being again fatten'd to the Checks of the Preis, prevent the Plank from running

wo his Checkt of the Prefs, present the Plink From running to the great way the draw from under the Platten. On the fore-part of the Plank is a Sallows 17\*, which ferres to feduce the Press of the Collin are three Frames much allies, the Irring to different profiles, the Irring to different profiles, viz. the two Typass and Franker: The Symphosis 14, are figures, made of the Prefs. The Profiles 14, are figures, made of the Prefs. It is the Profiles 14, are figures, made of the Prefs. It is the Profiles 14, and 14 are both cover'd with Parchment; and between the two are are both over'd with Parchment; and between the two are placed Blankers, which fevre to make the Imprefition of the Platten upon the Sarface of the Letters more equable; as also to prevent the Letters from being brake by the Force of the Prefs. The Prisker 1t, is all of Iron, very thin; faltered a-top to the great or autment Tympun; and fultain'd by a flip of Wood hanging from the Ceiting, when ration of by a tap or waste amging from the circuit, when open'd, to take out the printed Sheets, and put in others. It is also cover'd with Parchment, or Paper, cut in the necessary places, that the Sheet, which is between the great Tympan and Frisket, may receive the Ink, and that nothing may hart the Margins. On the Parchment of the great or outward Tympan it is, that the blank Sheet is laid to be

To regulate the Margins, and make the Lines and Pages

To repulse the Margins, and make the Lines and Pages and enter each where when printed on the other field is in the cardier case where when printed on the other field is in the printed of the cardier and th

confilt or. One fide of the Sheet thus printed, 'tis remanded to the Prefix for the other; and fo disposed as that the Iron Points past shro't the Holes already made in the Sheet.

Sometimes 'tis required to cut the Friket a-fresh, where the fectord side is to be more or left full of Printing than the first, a sais frequently the case at the beginning and ending the case of the printing than the first, a sais frequently the case at the beginning and end-

the first 3 axis requestry to care at the origining fine emi-ing of Books, 45c.

The Number of Sheets of the Edition being com-pleat, and the Form to be feparated, to reflore the Letters into the Cafes 3 they first wish it in a boiling Lye to take into the Cafes i shey first washi in a beiling. Lye to take out the Rensimo of the Ink, footrright with a Brush, and then with fair Water. This done, it is carry'd to a wooden Frame to be unlock'd, and the Furniture, i.e. the Sticks, U.e. taken off to diffengage it from the Chafe. Then the Compositor taking out feveral times at once upon a little Compositor taking out feveral times at once upon a little to be again affect in the remainder of the Ingention is which 140 Constrained they call "Distriction to myention" in which 140 Constrained they call "Distriction to myention in which last Operation they call Distribution.

Befide the feveral kinds of Letters and Characters abovementioned, uted in Printing 3 they have likewife Rules for blank Lines, Borders, and Head and Tail-Picces, accom-modated to the feveral kinds of Letters.

The Rules for blank Lines are of Brafs, and made ex-actly the height of the Letter; otherwise they will either

actly the height of the Letter; soleresife they will ciber himder the neighbouring Letters from printing, or will them chief the himder the neighbouring Letters from printing, or will them cleve be hindred by 'em. Thefe the Compelior occasionally can into opportunition, and his best requires the contract of the Compelior Compelior Compe

Books.

The initial Letters are fometimes cut in Wood, and figured; fometimes cast like the other Characters

For the Conveniency of the Binding, the Printers had early recourfe to Signatures, i. e. Letters of the Alphabet placed at the bottom of the Sheet, which shew the Order they are to be bound in 3 as well as whether the Quires be compleat.

The Careb Words (erve nearly the fame purpose; these are the first Words of each Page, which are repeated as the bottom of the preceding Pages. The Numbers of the Pages are equally serviceable to the Reader and the Binder, to guide to References, and to warrant the Book duly bound and collated: Sume Printers formerly put 'em at the bottoms of the Pages; but Cuffom has carried it for

the loss.

In the Infancy of Printing, they had likewife a Regifirum Charterum, for the Convenience of the Binders: To
draw this, at the end of each Volume, they collected the
Signatures, and the first Words of the four first Sheets of
each Alphabet. To abridge it, they afterwards contented themfelves to express the Signatures, and how oft each Letter was repeated. But the Registrum has been long

As to the Faults which escape the Corrector, and Com-positor; they are usually noted in what they call Errats. The antient Editions had no Errats; but in lieu thereof The antient Editions had no Errata's 1 but in licu thereof they corrected the Faults in each printed Copy with a Pens, which was eafly enough in those days, tho impracticable now. In effect, we have antiently had Primary who did not need an Errata of above five Articles in a Volume of the bunded Sheets! How different from form of the prefent Set, who might make an Errata of five hundred Articles in a Book of five Shoets.

## The CHINESE-PRINTING.

There are three Opinions as to the Antiquity of the Chineft-Printing 4 one fixing it 400 Years before Christ another 900 Years after him 3 and a third carrying it flill fatcher back, and making it co-eval with that mighty Em-pire: the it must be allow'd the last is much the least probable of the three.

probable of the three.

Their Manner of Frinting, we have already hinted to be very different from that which now obtains among the Europeans: "To true, it has fome Advantages over ours in Correctness, and the Beauty of the Character; but in Correctness, and the Beauty of the Character; but in the Refuged it comes for finers: "I hold fingle Advantage of moveable Characters making more than amenda for all that is useful against as by fome scalous Advancates for this

the is useful against as by force scalous Adventues for this Oriented Parising.
Banks are present field in printing of Calline, Tepera,
Banks are present field in printing of Calline, Tepera,
Banks are present field in printing of Calline, Tepera,
Banks are of a fromoth, firm, clofe Wood, and the Size of the Leaf required. On the Face-field they glove a Tayer, upon which force asle Chengle Writer draws one in a first of the Calline, Tepera, upon which force asle Chengle Writer draws one in a kind of Plecali. This is the principal part of the Wark, and this whereon the Secretic of the reft depends. When findfills, the Black is part into the Hands of a Scalpton, or Canter in Wood yabs, following the ferreal little labraneous masks can all appears in Relevo on the

Strokes of the winds with an Gravers, and other marp little Influments, makes em all appear in Relievo on the Wood. See Curring in Wood.

Wood. See CUTTIS ON WOOD.
When the Engaving is finished, they moisten what remains of the Paper, and rub it gently off.
The link they use in printing is the fame with the common Chings link; wherewith they also write; and is made of Lamp black, mixed up with Open Paper and is made the common than the common Chings and the property of the property o

As to their Paper, it is inferior to ours: It is made of the inner Bark or Rind of a kind of Rushes, beat up with Water into a Pulp or Paste, and form'd in Moulds, much like ours. Sec PAPER.

The Advantages of the Chinefe-Printing confitt in this, that they are not obliged to take off the whole Edition at once; but print their Books as they need 'em: That the Blocks are easily retouch'd, and made to ferve a-fresh; and that there needs no Corrector of the Press.

Its Difadvantages are, that a large Room will fearee hold all the Blocks of a moderate Volume; that the Colour of the Ink eafily fades; and that the Paper is apt to tear, and is fubject to Worms : whence it is that we fee fo few antient Books in China.

# Rolling-PRESS-PRINTING.

Rolling-Preft-Printing, is employ'd in taking off Prints, or Impressions from Copper-Plates engraven, or etch'd. Son ENGRAVING and ETCHING

lt differs, as we have before oblers d, from Letter printing; in that the Marks and Characters, whole Imprefions are to be taken, in the former Cafe, are indented, or cut inwards; and in the latter, are in Relievo, or stand out.

# Origin and Progress of Rolling-Press-PRINTING.

This Art is faid to be as antient as the Year 1460; and to owe its Origin to Finiquerra, a Florentine Goldfmith, who casting a piece of engraven Plate in melted Brimsburg. found the exact Print of the Engraving left in the cold Brimftone, mark'd with Black licked out of the Stroker

Upon this he attempted to do the fame on filver Plates with wet Paper, by rolling it fmoothly with a Roller; and

this fucceeded.

This Novelry tempted Baccio Baldini, a Goldfmith of the fame City, to attempt the fame 5 which he did with Success; ingraving feveral Plates of Sandro Boticello's De-Succets; ingraving leveral Plates of Sandro Batteell's De-fign, and printing them off his new way; in which he was followed by Andrew Mannegan, then as Rome. This knowledge getting not Flanders, Marins of Aut-worp, a famous Fainter, graved abundance of Plates of his own Invention, and fent feveral Prime into Bally, marked.

M.C.

thus, M.G. \_distry Direr\* a practl, and gars the World After himself "Point, which Would an Copper After himself "Point, which Would an Copper After himself "Point, which Would an Copper After himself and the proper and form on the Prince released by means of Ferrical Patters of World was foo marked for by \*Perrongificant\* different at which was foo marked for by \*Perrongificant\*. The Art was not used in England will the Time of King. The Art was not used in England will the Time of King. The Structure of the Kelling-Pray, and the Composition of the link after the Kelling-Pray, and the Composition of the link after the England Prain, are as a follow.

# Struffure of the Rolling-Preft.

This Machine, like the common Prefs, may be divided into two parts; the Body and Carriage, analogous to those in the other.

The Body confifts of two Cheeks of different Dimentions; The Body confine of two Cardes of different Dimensional ordinarily short at five high, a for thick, and a paperty joint at up and button by Cardes-pieces. The Checks are plant of the paper of the paper of the contraction of the contraction plant, and the contraction of the contraction plant, and process, joint also paper fine four other prependicular plant, joint plant process of the proposition of the Porm the Foot likewife off for or other prependicular plant, joint plant plant plant plant process and pro-ber of the contraction of the process of the plant 
graven Plate is to be placed. Into the Checks go two wooden Cylinders, or Rollers, about fix inches in diameter, here up at each end by the Checks; these Ends, which are leftin'd to about a Inches diameter, and call'd Trussions, rum in the Checks be-evenen two pieces of Wood, in form of Half Mooss, and lined with polified Iron, to facilitate the Morien. "The Space in the half Moons, left vacant by the Trun-

The Space in the half Moons, left vacant by the True-tion, in fill's with paper, Fathboard, Ceic that they may be naid and lower'd at differences; to as only to leave the frame through the control of the space of the Plans, and Lailly, to one of the Truncisons of the upper Roller, is failted a Corjo, confiling of two Levers, or Pieces of Wood, travering each other. The Arms of this Croft feve, in lies of the Handle of the common Perig spring a Motion to the upper Roller, and that to the under, by which means the Plans is promoted, or partid between

# Preparation of the Ink.

The Ink used in Rolling-Press-Printing, is a Composition of Black, and Oil mix'd and boil'd together in

portion.

The Black is a factitious Matter, made of the Stones of Peaches and Apricots, Bones of Sheeps-feet, and Ivory; Peanes and Apricots, Bones of Sheeps-teet, and Provys, all well bent; bearen, fifted, and mix'd together with Spirit of Wine, and tometimes only with Water.

This Black is usually brought hither ready prepared from Francjori on the Main's, whence our Printers call it

Francfort-Black. See BLACK.
The Oil wherewith they dilute this Black, is Nut-Oil a which is boil'd up differently, according to the different Works it is to be used in.

They afually make three Kinds, thin, thick, and firong; only differing in the degree of Coction: The Strong is that used in the finest Works, &c.

To make the link, they pulverize the black Stone very carefully, and pais it thro a fine Sieve; then mix it up on a Marble with the proper Oil, by means of a Mullet; after the fame manner as the Painters do their Coloars.

# Method of PRINTING from Copper-Plates.

The Ink being prepared, they take a little Quantity of it on a Rubber, made of Limen Rags, strongly bound a-bout one another; and therewith smear the whole Face of

best one another; and therewith innear the whole Face of the Plate, as it lies on a Grate, over a Charcoal-fire. The Plate infliciently inked, they first wipe it confely over with a foul Rag, then with the Falm of the left Hand, then of the right; and, to dry the Hand, and for-ward the wiping, rub it from time to time on Whiting. In wiping the Plate perfectly clean, yet without raking

the lak out of the Engraving, confifts a good part of the Address of the Workman. The French Printers use no Whiting, as being detrimental to the Colour of the lak 3 or do they lay the Plate on the Grate to warm, till after

iking and wiping it.

The Plate thus prepared, is laid on a thick Paper, fitted
pon the Plank of the Prefer. Over the Plate is laid the

Paper, first moisten'd, to receive the Impression; and over the Paper, two or three Folds of Blanketing, or other Thus difposed, the Arms of the Crofs are pull'd; and by that means, the Plate with its Farnitare passed thro be-reveen the Rollers; which pinching very strongly, yet-quably, prefix the mosition of Paper into the Strokes of the

quality, preties the moitten of raper into the strokes of the Engraving, whence it licks out the lak. Some Works require being paid'd twice thro' the Prefis, where only once, according as the Graving is more or lefs deep, or the greater or lefs degree of Blacknefs the Print is defired to have.

defired to have.

It must be observed, that the stronger, and thicker the lak is, the stronger must the Rollers pinch the Plate: This tempts many of the Workmen to use a thinner Oil, in order to save Labour; which proves prejudicial to the Im-

prefice.

perfilion. The wetting of the Paper ought to be done two or three. The wetting of the Paper ought to be done two or three done may be a supplied an addition of the Paper ought to the paper of the paper of the Paper ought to the Paper ought t

ing; they boil it well in a Lye, e'er the Oil be apply'd PRIOR, before, fomething that is nearer the beginn than another to which it is referred. See Paior 17. eginning,

Paron, is particularly used for a Superior of a Convent of Monks; or the second Person, after the Abbot. See SUPERIOR and CONVENT.

SUPERIOR and CONVENT.

\*\*Priers are either Clauffral, or Conventual.

\*\*Conventual Priors are the fame as Abbots; all the difference between them being in Name; both having the fame Rights; and both, alike, Governours of Monatheries.

CC ABBOT. A Claufral Prior, is he who governs the Religious of an Abbey, or Priory, in Commendam; fo called, because he bas Superiority in the Cloifter, or Monaftery. See

AE OHS SUPERIORS.

His Juridiction is wholly from the Abbot 3 and ends with the Abbot 3 beath, unlefs he has been elected by the whole Convent. See CLAUSTRAE.

The Convent See CLAUSTRAE.

The Convent See CLAUSTRAE.

whole Convent. See CLAUSTRAL.
Conventual Priors, are of two kinds, vis. Regular Concountral Priors, who govern Religious living in Community and Scalar-communistary-conventual Priors.
Conventual Priors, are obliged to take up the Priorhood
within a Year, or at most two, from the Dates of their Provisions is in default whereof, their Benefices are declared

vacant Priors must be twenty-five Years old, e'er they can g

vern the Convent; and twenty, if the Convent be govern'd Grand Paxon, is the Superior of a large Abbey, where

everal Superiors are required; as in the Abbeys of Clumy servers superies relatince; as the were antiently five Priors; the fift whereof was call'd the Grand Prior. In most Monasteries, there is a Sub-Prior.

There are also Grand Priors in the Military Orders; as Priors of Maltha, or of St. John of Jerujalem, &c. PRIORITY, the Relation of fomething, confider'd as it is before, or prior to, another; i.e. neater to the beginning, or the first. See Posterior in.

The principal Modes of Priority are five, viz in respect

of Time; as when we fay, that the Grecian Empire was prior to the Roman; Nature, as when we fay one is prior to two; Order, Dignity, and Canfality. Which are lum-med up in the Technical Diffich:

# Tempore, Natura, prins Ordine, die & Honore; Effelio Caufam dicimus esse prins.

PRIDRIPY, in Law, is an Antiquity of Tenure, in com-parison of seother left santeat. See "Innex." To beld by Priority, is to hold of one Lord more an-tiently, than of snother; in respect whereof, the Tennat is faid to beld in "Policiristy". See Poyrear Courty. The Lord of the Priority shall have the Cashedy of the

The Lord of the 'Propriety shall have the Cuitody of the Body. Crush, Jarifa.

PRIORS Alters, certain Religious, born in France, and Normandy; Superious of Religious Houses, ereched for their Country-Folks here in England.

Thefe, Heary V. deeming no good Members for this and, suppress d; and their Livings were afterwards given Land, impress of and near Livings were another states by Henry VI. to other Monatteries, and Houses of Learning; ber chiefly, as Sow observes, to the erecting of those two famous Colleges, call'd the King's Colleges of Camand Faton

PRISAGE, that Share which belongs to the King or Admiral, out of fuch Merchandizes as are taken at Sca, as lawful Prize; which is usually a tenth part. See Paize.

lawful Prize; which is utually a tenth part. See Prize.
Prifagium of jut Prisa septend; vet iffe selfus.
Prisace of Wines, Butterage; a Custom whereby the
King challenges out of every Vetful laden with Wine containing twenty Tuns, or upwards; two Tun of Wine, tho
one before, the other behind the Maft, at his own price; which is twenty Shillings per Tun. See Dury. This Custom varies a little, in various places: At Bos-

The Term is now, almost grown into disase; and in lieu of Prisage, the Custom is popularly call'd Butlerage; be-cause 'tis the King's chief Butler that receives it. See

PRISCILLIANISTS, antient Hereticks, who arose in Spain towards the end of the fourth Century.

opain cowards the end of the fourth Century.

The Prigillizanist were a Branch of the Manichres and Ganglicks. See Grosserters, Se.

We are at a lofs for their particular Tenets. St. Leo fays, they attributed to Jefas Christ only a fichitious or imaginary. Body.

Prigillian, their Leader, was a Lay-man: He was condemn'd with fome Bifthops his Adherents, in a Council

condermed with forme Bulloph his Adherents, in a Council at Strength, and in snothese 2 Brandenses but the appeal d to the Emperor Massimus, and had a hearing at Yever, where being conviled of broadhing Norelities, he was condemed it to death, with foreral of his Followers.

FRISE, or Parzz, in Navigation, a Veffel taken at Sea from the Enemies of the State, or from Pirates by a Man of War, or a Merchant-man, having Commillion from the Admiral.

Veffels are look'd on as lawful Prift, if they fight under any other Standard, than that of the State from whom they have their Commission; if they have no Charter-Party, Invoice, or Bill of Lading a-board them; if they be loaden with Effects belonging to the King's Enemies, or with Contriband Goods

Those of the King's Subjects recover'd from the Enemy, after having remain'd twenty-four Hours in their hands, are

Veffels that refuse to firike their Sails, after having been fummon'd thereto by the King's Ships; may be confirmed to do it; and if they make relifiance, and fight, are lawful

PRISE, in our Statutes, is used for Things taken of the

INSER, in our network, it need for Things taken of the Subjects by the King's Pourveyors. See DOUNVEYOR. Spelmes deferibes Prifit to be Corn and other Provisions taken from the Country People, at lower Rates than ordinary; for the Maintenance of the King's Houshold, Gartinery.

ions, SC.

Roger de Montealto, who married the Sifter of Hugo de
Abeney, claim'd the following Privileges; vite. his Cattle
of Riffinge cans Prifis 40 Dierma, with "Prifer of 40 Dier Which Phrafe the fame Author understands of the Liberty

Catile, upon paying for them within 40 Days. See Stat. PRISM, in Geometry, an oblong Solid or Body, whose Planes are all rectilinear and regular, and the opposite ones See Solid, &c. It is thus call'd from the Greek apoun, fumething fawn, or cut off.

cap. 34.

of taking Provisions for the Support of the Garrison of his

or ent off.

The Prips is generated by the Motion of a rectilinear Figure, 28 ACB (Tab. Granstrax, fig. 16.) defeending always parallel to irfeft, along the right Line AE.

If the Deferibear be a Triangle, the Body is faid to be

a triangular Prifin; if fquare, a quadrangular one, &c.

From the Genefic of the Prifin, 'tis evident it has two
equal and opposite Bases; that it is terminated by as many

equas and oppointe Bates; that it is terminated by as many Parallelograms as the Bafe confifts of Sides; and that all the Settions of a Prifar parallel to its Bafe, are equal. Every triangular Prifar may be divided into three equal Pyramids. See Pyramins.

# To measure the Surface and Solidity of a Paism.

Find the Area of the Bafe, e.gr. A B C (fee Taianole) and multiply it by E3 find the Areas of the Places or Parallelograms, that include or circumferibe ir, and add their Sum to the former Product. The Sum is the whole Surface of the Prifia.

Multiply then, the Bafe BAC, by the Altitude CD; the Product is the Solidity of the Cube ABCDEF. See CENTRO-BARIC.

Cantro-Barc.
All Prights are in a Ratio compounded of their Bases and
Altitudes: If then their Bases be equal, they are to each
other as their Heights; and vice vers. Similar Prights, Sec.
are in a triplicate Ratio of their homologous Sides, as also of their Altitudes.

of their Afstructes.

PRISH, in Dispericks, is a Glafs in form of a trinsgalar

Priffs, much wird in Experiments about the Nature of

Light and Golust. See Lidving, Sc.

The Phanomens and Ufe of the Priffs, arife from its

forparating the Rays of Light in their Paskage thro'it. See

The more general of these Phzmomena are as follow: For, to enumerate all, would be endless and even these are sufficient to demonstrate, that Colous don't either confils in the Contorsea of the Globales of Light, as Des Cartes imagined; nor in the Obliquity of the Palses of the Æberril Matter, as Hook stanced; nor in the Consilvation of Light, and its greater or less Concitation, as Dr. Barrows conjectured: but that they are original and unchangeable Properties of Light infelf.

# Phenomena of the Prism.

9°. The San's Ray transfasted the's Prijis to an grain Wall, popular to large, like the Rainbow, of actious vidi Calours; the chief whereof are red, yellow, general, but, and violet. See Ratsusow.
The reason is, that the various colour de Ray, white the reason of their different Refringibilities, leparated by Refraction, in pating they'the Prijis, and thrown, each Colour, but See Ray Calour Calo

For the blue Rays, e. gr. represented by the dotted Lines, (Tab. OFTICES, fig. 50.) beginning to be fepa-rated from the rest in the Side e. of the Prifin abe, by rated from the relt in the Side of a, of the Prijis a fe, fy yeb fell Refinelion in d d j are again feparated further in the rate way of the Mr. The side of the relationship of the Arman and the relationship of the Arman and the relationship of the Arman and Arman a

as long as broad. Because some of the Rays are refracted more than others, and therefore exhibit feveral Images of the Sun, stretch'd out in length, as if it were but one.

3ª. Those Rays which exhibit the yellow Colour, fwerve more from the restilines Courfe, than those which exhibit the Red; and the Green more than the Yellow; and the

Violet most of all. 40. If the Prifts thro' which the Rays are transmitted,

4°. If the Prijat the' which the Rays are transmirated, be turn'd about mit Axis ji to as the red, yellow, green, gen. Rays be received in order, on another Prijats, about review projected furnies, the vyellow, red, if it, Rays and there projected furnies, the vyellow, red, if it, Rays and the red in the fame manner on the fectod Prijats, yet will not be projected on the fame place as the red, but will be deficied further, that way towards which the Refraction is deficied further, that way towards which the Refraction is deficied further, that way towards which the Refraction is deficied further, that way towards which the Refraction is defined by the red in on a Lens a little gibbous; the yellow, green, &c. Rays,

will be collected, each in its order, into a nearer Focus than the red ones: The resion of which two last Phanomena that the yellow Rays are refracted more than the red

is, total the yellow Rays are retricted more than the red ones, the green cones more than the yellow ones, and the violet ones, and the violet ones most lot all.

3'. The Colouse of colour'd Rays well feparated, can all the properties of the prop

flected from any natural Bodies.

Because their Colours are not Modifications arising from Refraction, but original and immutable Properties there-

Refraction, our original and immuneur experience trade of . Sec Colours, 
60. All colour's Rays collected together in any manner, 
61 cither by feveral Prijus, or a convex Lens, or concave 
Speculum, form Whitenefs but being again feparated after Decastation, each exhibits its proper Colour. See WHITENESS.

WHITTHES.

Becaufe, as the Ray was white c'er, its parts were feptrated by Refractions is ofted parts being re-mixed, it recovers in Whiteness's and the colored Rays when they
more, don't definery one another, but only incormia.

Hence Daling Founder, red, pollong preen, blue, pointmix d'in a certain propertion, become grey or of the Color
mix d'in a certain propertion, become grey or of the Color
feeting and would be come to the color of the Color
Thus if a Circle of Paper be franceful with all the feet
Thus if a Circle of Paper be franceful with all the feetings.

Thus if a Circle of Paper be financial with all truth Co-lours a part, in a central proportion, and nearly divides a bear in Contrae, for that the Species of the forwest Colours with the Colours with distayers, and the whole the feet of one suiferen Colours with distayers, and the whole the feet of one suiferen Colours, between black and white. Superficies of a "Paper Paper 
be two together will thanking none at any occupance  $g^0$ . All natural Bodies, especially white ones, view'd three  $Pri/\mu s$  held to the Eye; seem fringed or hemmed, on one de with red and yellow, on the other with blue and violate.

ice. If two Prijhas be fo placed, that the red of the one, and the purple of the orber, meet in a proper Paper encompated with Darknefa; the image will be pale; but viewed thro's third Prijha beld to the Eye at a due diffance, will appear double, red and purple.

And if two kinds of Duits, the one perfectly red, the

And if you kind of Dalis, the one perfectly red, the other blue, he mined; a limite Boly being cover'd thick other blue, he mined; a limite Boly being cover'd thick of the boly being cover'd the other blue, and the boly being cover'd, the other blue, and the boly being cover'd, the other blue, and the boly being the bol

a Priling; the' tefs vivid.

Because the Rays transmitted thro' the refl of the Paul,
are fepsated by Refraction into Colours; and the intercep-ted Rays, which would be refracted a contrary way,
provenced from mixing and diluting them: Whence all
it is, that a Bady viewed with both Byes theo' rwo little
Holes made in a Paper, does not only appear double, but
freed with a Paper, does not only appear double, but PRISMOID, PRISMOIDES, in Geometry, a folid Figure PRISMOID, PRISMOIDES, in Geometry, a folid Figure

TANONULLY FRISADENE, IN GEOMETY, 8 fold Figure, hounded by feveral Planes, whole Bafes are right-angled Parallelograms, parallel and alike finated. See Prisaden PRISON. See Goal.
PRISON ER, in Law, one that is reflrain do fine Liberty upon any Africa, Guil or Crimined; or upon Commundust. A Masa, seain, may be #Pripacer cither upon Matter of Pack, or of Record.

Fact, or of Record.

Prifoser upon Matter of Record, is he who being prefent in Court, is by the Court committed to Prifon, only upon an Arrell, he it by the Sheriff, Confiable, or other.

PRIVATION, the Abfence, Want, or Defect, of fomething needed.

thing needed.

In the Canon Law, Privation is used for an Interdiction,
of Suspension. See Department.

The Mythic Divines call Privation of God, the Drynches
a Soul experiences, to whom God does not make himself

The Church of Rome teaches, that Children dying without Baptifus, go into a Limbus, where they undergo a

Privation of the Sight of God.

PRIVATION, in Physics, is a Negative Principle, which, with Matter and Form, the \*Periphticks\* fuppole, configure amenal Bodies. So: Mayres and Form.

Privative signifies no more than the ablence of the fuse Form. Thus every thing, according to \*Arpitele, is formed of this, that it was not that thing before, e.gr. a Chick article broce, that it was not a Chick before it was

enerated; which is what that Philosopher calls Privation.

See PRINCIPEZ.

See PRINCIPLE.

Mightle is very angry with the Antients, for not admiting Frontiers as a Principle; and imputes it to their Iging Frontiers as a Principle; and imputes it to their Igwith Ignorance, or what it is impuffic to reproach them
with Ignorance, or what it is impuffic to reproduce
and it as an Illusion to produce this poor Principle of Princupiers as fach a neighty Myfferty, where being no body but
ignored it a thing known, that a thing it not before it is

BRIVATIUE. In Grammer. a Particle, which no refu?

BRIVATIUE is Grammer. a Particle, which no refu?

grade. See Perfect of Co.

PRIVATIVE, in Grammar, a Particle, which prefix'd
to a Word, changes it into a contrary Senie. See Particle,
Thus, among the Greeks, the e is used as a Privative;
as in e-See, Albush, Aerophales, Se.

The Latins have their Privative in; as, incorrigibilit,

indeclinabilis, &c.

The English, French, &c. on occasion, borrow both the Latin and Greek Privatives.

PRIVATIVE Quantity, in Algebra, is a Quantity less than nothing; call'd also a Negative Quantity: in opposition to Affirmative or Positive Quantities. See Quantity TY, NEGATIVE, &c.

vr. Nicarana, Ec.

\*\*Trissiate Ramanitis, are denoted by the Charafter of

\*\*Practiate Ramanitis, are denoted by the Charafter of

\*\*PRIVILEGEs, in the general, any had of Right, Pre
significe, of Advangage, stated to a certain Perfox, Com
\*\*The Word is formal from the Latin private into

\*\*Interest of Lang. in a particular Right granted to a

fingle Nerios, Hees, Community, or the like; whereby

\*\*Privilege is when Perfox of Press, Priving is in that which is granted to any Perfox, where a going

\*\*Privilege is when Perforant or Read. A Perfox Privilege

gir in that which is granted to any Perfox, where against

\*\*Ant which is granted to any Perfox, where against

\*\*Ant which is a Manufact of Parliament, who may not be are

\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the fitting of Par
\*\*rectled, nor may or his Sevenas, during the f

Privilege Real, is a Franchife granted to a Place. See

Such is that granted to our Univerfities; by which none,

Such is that granted to our Univerfities 1 by which some, the Nambers thereof, may be called to Wightnight-Hall, upon any Control made within their own Friends.

1. The Control made within their own Friends.

1. The Control made within their own Friends.

1. The Control made within the control made and 
Quarrels frequently happen; and the Peace ought to be

Quarries frequently happen; and the Peace ought to be firstly kept there. See Verence.

In the Laws of Hen. 1. 'is exprec'd, that Peace ought to be maintain'd religionally and reverently within four Miles of the King's Doors towards the four Quarters; and forty nine Acres, nine Foot, nine Palms, and nine Barley-Corns around. See Praces. Prince, or Magistrate, to make and sell a certain Merchan-

diee; or to engage in a certain Commerce; either exclu-firely of others, or concurrently with them. The first is call'd an exclusive Privilege; the latter, sim-

The first call'd in acuting tripings she later, fin-ply, \$77-1187.

Ny, \$77-1187

Cane.

Parvilkos for the Inspression of Books. This Privilege is properly exclusive; being a Fermission which an Author of Book feller obtains under the Great Seal, to have alone the Inspression of a Book; with a Problishion of all others to print, fell, or distribute the time, within a certain Term of Years, usually 143 under the Clauses and Penalties express distributes.

These Privileges, were unknown till the Beginning of the

16th Century; when they were introduced in France: The oldest is said to bear Date in the Year 1507, and to have been occasion d by some Printers counterseiting the Works of others, as foon as they appear'd.

Works of others, as foon as they appear?

But People were yet at theirry totake or left them alone
at pleafare; till the latereths of Religion, and the State,
occution it he refittaining of this Liberty.
In 1965, Charles IX. publified a cetlebrated Ordonnance,
forbidding any Perfon, on pain of Conflication of Body and
Goods, to print any Letter, Speech, Ec. without permif-

fion.

The like has been fince done in England: the at prefect,
Privileges are not only, not required; but by the late Act
for fectuage the Froperties of Books, feem needlefs.
PRIVITIES, the natural Parts, of either Sex; or those
immediately minificing to the Business of Generation. See

immediately minifiring to the Bulletin of Generation. See GENERATION, PEDENBUNG, Ed. GENERATION, PEDENBUNG, Ed. GENERATION, PEDENBUNG, Ed. The Layers in histoner Freedom, or private Familia-tity, better, in the Layer in the La

Merchants Strangers.

Merchaus Strangers.

Cobe mentions tour kolds of Privits: Privits in Blood,
as the Heir ro his Father: Privits in Representation,
as the Heir ro his Father: Privits in Representation,
as the Heir ro his Father: Privits in Representation,
as the Research and Administrators to the Decending Privilental
as the Research and Privilental
Land is given to one for Life, and to mechanishe when
the Research and Privilental Research to the Company
to the Research and Privilental Research
time. The fearth is, Privy in Temme, as the Lord by
Richest Land Chelester to the Lord for want of
Minist, Life which Land Chelester to the Lord for want of

nire. Heits.

Parvy Council, a Council of State, held by the King, to concert Matters for the public Service, the Honour and Safety of the Realm, §C. See Council.

The Pricy Council is the Prinsum Mobile of the State, and the State of the Sta

and that which gives the Motion and Direction to all the in-ferior Parts. It is likewife a Court of Juffice of great Anti-

and that wheels given one contains an insection to at the en-change of the contained of th

or elsewhere in his presence, was grievousty punish'd: To conspire his Death, is Felony; and to effect it, High-

With the Advice of this Council, the King iffues Procla-mations that bind the Subject, provided they be not contrary to Law. See PROGLAMATION

the lowest delivers his Opinion first, the lo Debates, King laft; and thereby determines the Matter. A Council is never held without the prefence of a Secre-

tary of State. See See Reak Pary.

The Members of the Pricy Council in the Year 1710,
were in Number 17. Their Officers; four Clerks of the
Council, three Clerks extraordinary, three Clerks in the
Council-Office, a Keeper of the Records, and two Keepers
of the Council-Chamber.

DENY. Out a best which the King ufes, personally, to Brackment, of a sen effective out of the Grant Scale. The the Privy Scale is forestened up at a Merca Scale. The the Privy Scale is forestened up at the Grant Scale. The the Privy Scale is forestened up at the Grant Scale. Scale Scale. Zear Fa ver Scale, is the fifth great Officer of the King who whole hand pate Charter and Great Scale a file. Matter of Edit moment, which down for Great Scale a file Matter of Edit moment, which down for Great Scale a file Matter of Edit moment, which down for Great Scale a file Matter of Edit moment, which down for Great Scale a file Matter of Edit moment, which down for Great Scale a file Matter of Edit moment, which down for Great Scale a file Matter of Edit moment, which down for Great Scale a file Matter of Edit moment, which down for Great Scale a file of the Care of Edit Matter of Edit Matter of Edit moment, which down for Great Scale a file of the Care of Edit Matter of Edit efts. See PRIVY Seal.

PRIVY Chamber. See CHAMBER. to P

PRO Confesso, in Law: when, upon a Bill exhibited in Chancery, the Defendant appears, and is in Contempt for one answering, and in Cultudy; upon a Habras Corpus, (which is granted by Order) to bring him to the Bar, the Court afligns him a Day to answer; which being expired, Court siligat him a Day to answers' which being expired, and no Aniwer part in, a focound Headest Corpus is granteet, and a farsher Day siligand a by which Day, it is granteet, and a farsher Day siligand a by which Day, the taken properties of the part of th the Matter of Fact not fufficiently answer'd unto, shall be

the watter of Fact not talliciently answerd anto, Itali be taken pro confess, or Teamment, belonging to two or more Perfons; whereof none can say which is his feveral Portions each having the whole, Ec. as Co-paraceers before Partition.

See Pour-Party and PARTITE

See Pour Party and PARTITION.

PROBABLISTS, a Sed, or Dividion, among the Romaniffs, who adhere to the Doctrine of probable Opinions; building, that a Man is not always obliged to take the more metabolic feet. robable fide, but may take the lefs probable, if it be ut barely probable. See Prosants. The Jefuits and Molinifts are firenuous Probabilifts. See

Those who oppose this Doctrine, and affert, That we are obliged, on pain of Sinning, always to take the more probable fide, are call'd *Probability* 191.

The Janginifts, and particularly the Port Royalifts, are Probabiliorifts. See Jansenist, Sc.

SProbabilizariji. See Jankeniari, Se.
PROBABILITY, in Recloning, a Verifonilitude 5 oran
Appearance of Truth. See Thurn.
To define it Philosophically, Probability is the appearance of the Agreemen or Difugreement of two things by
the Intervention of Peofs, whose connection is not fixed or
immutable, or is not perceived to be for but is, orapimmutable, or is not perceived to be for but is, orappears, for the most part, to be so; so as to suffice to induce the Mind to judge the Proposition to be true or falle, rather than the contrary. See EVIDENCE.

That Proposition, then, is probable, for which there are Arguments and Proofs to make it pass, or be received for

ne. See PROBABLE.
The entertainment the Mind gives to this fort of Prop Ine entertamment the Mind gives to this fort of Propo-fitions, it call'd Beltif, Affent, or Ofinion. See FAITH. Probability, then, being to faithly the defect of our Knowledge, is always converfant about Propositions, whereof we have no certainty, but cally fone Inducements to receive them for true. See Ofinion.

them for true. Sec Ofinion.
According to Ariflette, a Proposition is probable, if it feems true to all, or most People, and those the wiser, and more requirable Sort. But by from, he means, what, after a close Inquiry, shall seem to be true.

Of Probability there are various Degrees, from the Con-

fines of Certainty and Demonstration, down thro' Impro-bability and Unlikeliness, to the Confines of Impossibility;

bability and Unlikelinefs, to the Confines of Imputibility 3 and also Degrees of Affinet from cerestin Knowledge, what is next to it, full Affurence and confidence, quite down to Canjidency Probability, are in fixed, their two following, given the Conformity of any thing with our own Knowledge, Knowledge, or Observation, 2014 internal Probability and the "Etilimony of others, wasching their Observation or Experience, called external Probability. See Canata-

PROBABILITY, in Poetry, the appearance of Truth in the Fable, or Action, of a Poem. See Action and Fable. There are four Kinds of Actions: For a thing may be either only true, or only probable; or true and probable at the fame time; or neither the one nor the other. See ACTION

Thefe four Kinds of Actions are fhared between four Arts: Hillory takes the first, still keeping to Truth, with-out regard to Probability. See History.

our regard to Probability. See HISTORY.

Epic and Dramatic Roctry have the fecond; and fill
prefer Probability, the' falle, to an Improbability, the'
true: Thus the death of Dids, who kills herfelf on her
being deferred by Amess, the' falle in itelfs, is a fitter Subject for a Poem, than the Action of Sampfon, or the Maid

of Orleans Moral Philosophy takes the third; and the Fabulifts,

moral Fance of the fourth. See Faren.

Boffs adds, that the Epopes in its Nature and Effence,
uses Fruth and Probability like Morality; yet in its Cirunes From and Proceedings like Morality; yet in its Circumstances and Experiions takes a liberty like that of APDp: Inflances of each we have in the America. Potential Produking may be for either in refrect of the Rules of Theology, of Morality, Nature, Reafor, Experience, op Omision.

Experience, or Opinion.

As to the Theology, there is fearce any thing but is probable, in respect hereof; because nothing is im-

possible to God. This is an Expedient they have frequent recourse to, in order to bring things seign'd contrary to the Order of Nature, within the bounds of Probability. See this consider'd under the Article Ma-

As to Morality, we have observed, it requires both Truth As to Marality, we have observed, it requires both Truth and Verifimilitude: An antient Poet was condemned on the Theatre for a slip herein yere, for making a Perico, whom he represented as an honest Man, fay, that the kit Tongue Perox, his Mind du not. Senses accuse Virgil of an Offence against Natural Pro-

Senera acculer Virgil of an Offence against National Virgi-bability, in faying, that the Winds were pert ap in Caves; for, fays that Philolopher, Wind being only Air in Motion, to fappofe it at Rest, is to deltroy in Nature. To which Voffiss answers, that the Peet only speaks of the natural Origin of Winds; which are produced in Mountains by Va-pours, UC, port there: Just as we should fay, the Winds pours, Sc. pent there : Ji are enclosed in an Æolipite.

are enclosed in an Holipite. Virgil, likewife, committed an Offence against Natural Probability, by making Zwast find Deer in Africa; because that County produces none. Indeed these Faults are excellable, because, as Aristotle

finely observes, they are not Faults in the Poer's Art, but arise from his Ignorance of something taught in the other

Ares.

However, care must be taken they ben't too grofs; there being some Probabilities of this kind, which n'fôp hinfelf could not dispense withal: He would never be forgiven, were he to represent a Lion scarful, a Hare daring, a Pox stupid, &.

Probability, in respect of Reason, is frequently broke in upon by those who affect nothing but the Merveillens: Here Statins is a notorious Criminal: Tideus being surprised

Here Orlantis is a notatious Grimmati: L'ideats being larprisé in an Ambdetade by fifty Bravocs, who had vow'd his death's kills frity-nine of 'em, and pardons the lait. Again, reo young Kings, whereoft this fame 'diseats' was one, the other Polynics, upon a Quartel, go together by the east 3 and box it out; their Swords all the while by their fides. Symutant's Grittina Valuts, unca manus, peni-theric fides. Symutant's Grittina Valuts, unca manus, peni-

tufq; oculis cedentibus inflat.

Scaliger accuses Hower of an Offence against Experisougher accures tioner of an Chiefe against Experi-ence; in faying, that Jupiter thunder'd and fisceed at the fame time. This, fays the Critic, was never known; and yet have there been Instances bereof even in our time. But the principal and most important Kind of Probabi-

But the principal and most important kind of Provided-lity, is that in respect of common Opticion. A thing is pro-bable when it looks like Truth: But, foractimes, it shall appear true to the People, and falle to the Learned, and were everfix. When, then, the Learned and the People are divided, to which fide mass the People and Propose of the People and Provided Research of the People and Propose for the People and Provided Research of the People and Propose for the People and People inflance, the Adventure of Peniloge, the Hildry of Messes, Helens, or the like: What Virgil and Homer have wrote of 'em shall appear probable to the Populace; yet the Cearmed read the contrary in Hiftory; fome Authorshaving wrote that Dido was chafte, and Midea innocent; that Penelope was divorced and banished by Ulyses for abusing

Pensippe was divorced and banished by Utyles for abusing his Ablence; and that Helena excet faw Trust.

This Point is foon decided: Hower and Virgit make no feruple of leaving Hilbery, to improve their Fables: Ho-reard does not frend the Poets to the Trusts of Hilbery; but cither to Fables already invented, or to common Fame.

enner to Fables attendy mented, or to common Fame.
All which is confirmed by Arrighetts where he fays, that a Poet does not rell, like an Hildorian, what kind of Perfon Michaelar was, nor what he really did or faid on this or that Occasion; but what he probably might have done or that Occasion; but what he probably might have done or doctory and photorian; the literal proves of the Fable of Gold Months on the Carlo of the Carlo of Carlons, and Photorian; the it can never be imagined the truth of those Stories was believed by the Learned in those

days. In effect, every one finds his Account in this Conduct. The People think they fee Truth 5 and the Learned do really fee Truths, and more followers out, that hole the People look for 5 and more fare than those of the History which the Pote neglects. The more underthaning they are, the lefs will they defire the more underthaning they are, the lefs will they defire the Geogra Ends. The Foors, which is intended done they are all depart Ends. The Truths they require, are Moral and Allegorical Truths. The Encid was not wrote to teach as the History of Dide, but DEMEMBER WIS not wrote to teach as the Hittory of Disks, but to firew, under that Name, the Genius and Condact of the Republic founded by ber, and the Source and Series of its differences with Rosse. This we fee with pleafure; and thefe Truths are more agreeable, more confiant and non-rious than any the Poet could take from a Hittory, fo little knownin his time.

To these kinds of Probability, may be added another; To thele kinds of Probability, may be added another? which we call an Acidemat Probability: I conflit, not in the using of feveral Incidents, each probable a-part 3 bar in difficulty em to as to hang probably together. A Man, e.gr. may probably die of an Apoplexy; but thu this should bappen ight in the nick, when the Poet waterd it for an enravelling, it highly improbable.

'Tis an Offence against this kind of Probability to produce an incident all at once, and without any preparation which yet needed one. Virgil is wonderfully exact in this which yet needed one. Virgili wonderfully exall in this Peint: Jimp reparasts Tempel raid in the first Book; Jimm in the fame Book prepares the Amours of the fourth. The Death of Zhión in the end of the fourth is pequed on the first day of Marriage; Hilmus in the third disposes the whole Marrier of the fatth; and in the firsth, the Oylil predicts all the Wars tox follows.

PROBABLE Opinion, a Term long time controverted mong the Romiff Cafuilts. It is usually defined an Opinion founded on a grave Mo-

tire, or an apparently good Foundation; and which has Au-thority enough on its fide to perfusade a wife, difinterested Perfon. See PROBABILITY.

Others define a probable Opinion to be that, which, being compared to the contrary Opinion, becomes Problematic, by a perfect Equality of the Reasons on each side; so that there is nothing in Reason or Nature to determine a Man to

there is nothing in Reason or Nature (посметните в меня which reador than that. But the Jefairs go fill further, and measuring, that to render an Opinion probabile, it fuffices that it be either built on a Keafon of Some Confequence, or on the Authority of Grome one grave DoCton. With thefe Qualifications it is allowable to follow the probabil and be contrary Cynth for be 16st probabil and lefe for that the contrary Cynth for the New Yorks. of Probability lies.

The Dectrine of probable Opinions is attack'd with infinite Address by M. Fastbal in the Provincial Letters.

One of the twenty-four Patriarchs of the Jefuits, Castro Palate, afferts, that a Judge, in a Quellion of Right, may give Sentence according to a probable Opinion, against a more probable one; and this, contrary to the Judgment and

Prefuzion one; and this, contrary to the Judgment and Perfuzion of his own Mind 5 imo contra propriam Opinio-mem. Elcobar, Tr. 6, ex. 6. n. 45. So Valqueo maintaine, that it is lawful to follow the lefs probable and lefs fecure Opinion, differding the more pro-

promotes and the future bytaken, unexample, the most pro-bells and more fectors one.

Liffins and Epolar retaining of the Question, Whether a Man may kill another for giving him a Box on the Ears decide it to be a probable Optation, and forestatively true; a the three may be some inconveniencies in the practice, for which it would be as well to let it alone. In practication of probabilers, judicarum—fall on ma facilie admirrendum.

E protogrem, judicarium— Jea won Jacine admittendam. Lett. Provinciales, p. 203, 205. PROBATE, of a Will or Toftoment, in Law, is the exhibiting and proving a Will and Tethanent, before the Eccleratival Judges delegated by the Biftipo who is Ordinary of the Place where the Party dies. See Will and

TESTAMENT

The Ordinary is known by the Quantity of Goods the for if all his Goods be in the fame Diocefe, then the Bifhop of the Diocefe, or the Archdeacon, according as their Composition leads, has the Probate of the Tetlament. If the Goods be dispersed in several Dioceses, so that there be any Sum of Note, as five Pounds, out of the Diocefe where the Party liv'd; then is the Archbishop of Conterbury the Ordinary by Preregative. See PREROGATIVE. This Probate may be made two ways; either in com

on Form, or per Teftes.

The Proof in common Form is only by the Oath of the Executor, or Party exhibiting the Will, who fwears upon his Belief, that the Will exhibited by him, is the last Will

and Testament of the Deceased. See Executor. The Proof per Teftes, by Witneffes, is, when over and be-fides his own Outh, he also produceth Witneffes, or makes other Proof to confirm the same; and that in the Presence of fuch as may pretend fome Interest in the Goods of the Deceased; or at leaft in their Ablence, after they have been law-fully furmoned to fee fach a Will proved, if they think fit. The latter Courfe is commonly taken when there is fear

of Strife or Difpute about the Deceased's Good s: For fome hold, that a Will proved in common Form only, may be call'd in question any time within thirty Years

Where a Will disposeth of Lands, and Tenements of Freehold, it is now frequently proved by Witnesses in

Chancery.

PROBATION, in a Monative Senfe, a Time of Trial 3 or the Year of Noviciate, which a Religious must pass in a Convent to prove his Virtue, and Vocation, and whether he can bear the Severities of the Rule. See Noviciate.

The Year of Probation commences from the Day of No-

es taking the Habit. in the Univerfities, is the Examination PROBATION.

nd Trial of a Student who is about to take his Degrees. Sec DEGREE PROBATIONER, in the Presbyterian Difcipline, a Per fon licenfed by a Presbytery to preach; which is usuall-done a Year before he be ordain'd. See PRESERVERY.

A Student in Drvinity is not admitted Probationer till after ferven! Trials: The first, private, before a Pendyry y the feend public, before a Ogogregation is the Probation of 
The public Trials are a popular Sermon, and an Exer-cife and Addition; i.e. a Text is handled, half an Hone, Logically and Critically ; and half an Hour more, Practi-

If he acquir himfelf to the Satisfaction of the Presby-tery, he figns the Confession of Faith, owns the Presbyte-tian Government, &c. Upon which he receives a Licence

PROBATOR, in Law, an Accuser, or one who undertakes to prove a Crime charged upon another; properly un Ac-

to prove a Crime enauged upon a compile in the Crime.

PROBATUM EST, q. d. it is appeared; a Term frequently fabigain'd to a Receipt, for the Cure of fome Difeate. See RECIFE.

PROBE, a Surgeon's Instrument, to found and examine se Circumstances of Wounds, Ulcers, and other Civities. Scc Speculum.

PROBLEM, PROBLEMA, in Logic, a doubtful Question; or a Proposition that neither appears absolutely true, nor false, but which is probable on both sides, and may be afferred either in the Negative or Assimative, with equal

Evidence. Evidence.

Thus, that the Moon and the Planets are inhabited by Animals in fome refpect like us, is a Problem: That the fixed Stars are all Suns, and each the Centre of a feveral System of Planets and Comers, is a Problem. See Planets.

NET, STAR, &c.
The Word is originally Greek, πρέβλερε, fignifying the fame thing.

PROBLEM is also a Proposition expressing some natural

PROBLEM IS allo a Proposition experiting Jome natural Effect, proposed in order to a diffeovery of its apparent Caufe. Such are the Problems of Arightie.

A Logical or Datellical Problem, fay the Schoolmen, confits of two Parts; a Subject, or Subject Matter about which the Doubt is raifed; and a Predictic or Attribute, which the Doubt is raifed; and a Predictic or Attribute, which the date had about about the confit of the oblicit. which is the thing doubted whether it be true of the Subject or not. See Susject and PREDICATE.

There are four Topical Predicates, viz. Genus, Definito, Proprims, and Accident; whence arise four different kinds of dialectical Problems. The first, when the thing attributed to the Subject is in the relation of a Genus: As, whether Fire be an Element

or not. See GENUS. The second, when the thing attributed has the Effect

The lecond, when the thing attributed has the Lifect of a Definition - As, when it is ask'd, Whether or no Rhetonic be the Art of Speaking! See Definition. The third, when the Astroluct impurs a Propriety: As, Whether it belong to Judice to give every one their Due? See Faoran. The last is when the thing attributed is adventitious: As,

Whether Justice is to be defired? See Accident.

Problems, again, may be divided into those relating to Problems, again, may be divided into thole relating to thing to be done, or avoided, call! Exhibital; before relating to the Knowledge of Namer, call! Proplied shedering to the Knowledge of Namer, call! Proplied sheder Proplied where the Name of 
blum, a Proposition given to be demonstrated, wherein functioning is required to be done; and what is done, to be proved to be the function given to be proved to be the thing required.

A Froblem, according to Walkin; confilts of three Parts. The Proposition, which expectles what is to be done. See

PROPOSITION.

The Refolution, or Solution, wherein the feveral Steps

whereby the thing required is to be effected, are orderly rehearted. See RESILUTION. The Demonstration, wherein is shewn that by doing the feveral things prescribed in the Resolution, the thing required is obtain'd.

quired is obtaind.

Accordingly, the general Tenor of all Problems is this:
The things preferibed in the Refolution being done; the
thing tequired, is done. See Demonstration.

PROBLEM, in Algebra, is a Queficin, or Propostion
which requires fome unknown Truth to be investigated, or
differenced; and the Truth of the Differency demonfirated.

In this fenfe 'tis a Problem to find a Theorem. See Thro-Algebra is defined to be the Art of Refelving all Pro-blems that are refolvable. See ALGREBIA.

Kepler's PROBLEM, in Altronomy, is the determining of a Planer's Place from the Time. See PLANET. It took its Name from Kepler, who first proposed it. It took its Name from Kepler, who first proposed it. Problem, thated in form, thated thus: To find the Politics of a rapht Line, which puffing thro one of the Post of an Ellipfie, thall cut off an Area definited by its Motion which falls be in any given Preportion to the whole

Area of the Ellipfis. The Propoler knew no way of folving the Problem di-rectly, and geometrically 3 and therefore had recourse to an indirect Method; for which he was tax'd with an essu-uaryseins, or want of Geometry; and his Astronomy char-

eurgems, or want of Geometry; and has Attronomy char-ged with not being Geometrical. But the Problem has fince been folved directly and geometrically feveral ways, by feveral Authors; particularly Sit If Newmon, Dr. Keili, Ec. Sec Planer, Place, Use. Delias Problems, in Geometry, is the doubling of a

Cube. See Cunz, &c. This Problem was fo call'd from the People of Delos, who, upon confulring the Oracle for a Remedy against a Plague they were then infested with, were sniwer'd, that the Plague should cease, when Apollo's Altar, which was in form of a Cube, should be doubled. See DUPLICA-

TUBE.
This Problem coincides with that for finding two n

Proportionals between two given Lines; whence that, alfo, is call'd the Deliac Problem. See PROPORTIONAL. PROBLEMATICAL Refolution, in Algebra, a Meth of folving difficult Questions by certain Rules, call'd Ca-

of tolums difficult Quelitons by certan Kales, call d Ca-sowns. See Souverion and Canon.

PROBOSCIS, in Natural Hiftory, the Trunk, or Sacut of an Elephant; and fome other Animals. See Taunk, The Probefit is a Member iffuing out of the middle of the Forchead, ferring inflead of a Hand; and having a little Appendix failend to the end thereof, in form of a Finger.

By the Probofits, the She-Elephant facks herfelf; and by the fame, conveys the Milk to her Young. by the fame, conveys the Milk to her Young.

The Probejoris, Mr. Derhem observes, is a Member fo
admirably contrived, fo cariosafty wrought, and with fo
great agility apply'd by that nuwicled Animal; that it may
pus as an Initiance of the Creator's Skill. See.

All Quadrupeds have the length of their Neck equal to that of their Feet; the Elephant alone excepted; in whom the Shortness of the Neck is compensated by the Length

of the Probofcis. The Cameleon has also a kind of Trunk or Probolis,

The Cameleon has also a kind of Trank or Probolets, which is its Tongue's and which is darts simbly out of its Threat, as if it spar it; and draws it in again influent-neonily. It ferves like the Elephant's Trank, to lay hold or, and take in its Food. See Camelron.

The Microsope flows us a little Trank in Flice, and Gnats; by means whereof, they suck the Blood of Anisate of Linguage for their Warn.

mals, or Liquors, for their Food.

The Word is Greek, appleases, where it has the fame Sig-

PROCATARCTIC Caufe, the original or pre-existent Caufe of an Effect. See CAUSE, Sach, e.g., is a Difease which co operates with some other Difease, subsequent thereto.

Thus, Anger, or Heat of Climate, bring on fach a Dif-polition of the Jaices, as occasions a Fever; where the ill Difpolition is the immediate Czase, and the Heat or Anger, the Propagarchic Caufe. The Word is form'd from the Greek newsoipen, antigre-

The Word is term a term me series experience of the Chasseery, or ROCEDENDO, in Law, a Writ whereby a Plea or PROCEDENDO, in Law, a Writ whereby a Plea or Caudi, formerly well-d from a bale Court to the Chasseery, or Corticorie, is released, and recurs d to the other Coxes or Corticorie, is released, and recurs d to the other Coxes of the proceeded in a poon is a paper allot that the Defendant and Caudi of Privilege, or that the Matter comprised in the State of Privilege, or that the Matter comprised in the State of Privilege, or that the Matter comprised in the State of Privilege, or that the Matter comprised in the State of Privilege, or that the Matter comprised in the State of Privilege, or that the Matter comprised in the State of Privilege, or that the Matter comprised in the State of Privilege, or that the Matter comprised in the State of Privilege, or that the Matter comprised in the State of Privilege, or that the Matter comprised in the State of Privilege, or that the Matter comprised in the State of Privilege, or the Sta PROCEDURE, in Law, the Courfe of the feveral Acts, Expeditions, and Instructions of a Process, or Law-Sair.

Sec PROCESS.

A Precedure is either Civil or Criminal: Civil Pro-cedure, is that where the Effate alone is concern'd: Criminal or extraordinary Procedure, is that where the Perfon

smills or corresponding processing, is one which the cross is profecuted.

PROCEED, among Merchants, that which arifes from a Thing. In this fance they fay, the seest Proceed.

PROCELEUSMATICUS, in the antient Poetry, a Foot constant of the content poetry, a Foot constant of the content poetry.

PROCELEUSMATICUS, in the antient Poetry, a Foot confining of four Syllables; as Honovini. See Foor, PROCESS, in Law, in its general Senfe, is wied for all the Proceedings in any Casfe, or Action real or personal, civil or criminal, from the original Weir, to the end. See

In France, they carry on a formal Process against the Me-mony of People kill'd in Ducks; or that have murder'd felves.

Pyrates, when taken in the Fact, are hang'd without any Procest as are fornetimes also Robbers.

PROCESS, is also used in a more restrain'd sense, for that by which a Man is first call'd into Court; this being the beginning or principal part, and that by which the rest of the Bassiness is directed.

the Bainesis idirectled.

The Difference between this Process, and a Procept or Warrant of the Justices, is this; the Precept or Warrant is only to attach or convent the Party, before and is only to attach or convent the Party, before the Aimment or Conviction, and may be made either in the Name of the King, or the Julies: But the Process is always in the Kings's Name, and usually after an Institutence. See

PROCESS, in Chymistry, the whole Course of an Opera-tion or Experiment. See Operation and Experiment. reocess, Processus, in Anatomy, is a Term of e-qual Import with Applyth, Prominence, Providerame, and Production; which fee. Procedit to non-industrial

and Produltion; which ice.

Procefi is particularly apply'd to certain Eminences of
the Benes, and other Paras; diltinguish'd by peculiar
Names, experting their Place, Form, or the like: As,
Procefils Primonel, Procefils Permiformes, Procefils Primonel, Procefils Primonel, Procefils Primonel, Procefils
pillares, Glidares, &c. See Bone, Vermitornies, Pa-

placets, Children, Co. See Boor, Vermitoranes, Pa-PILLARES, CLIDARES, PERITORANIA, GE. PROCESSION, in Traclogy, a Term used for e-memore wherein the Holy Spirit is conceived to illus from the Father and the Sen, in the Myflery of the Trinity, See Spirit, Trainity, Prason, Ge. The Greek's and Latinic are not agreed about the Procef-fiour of the Holy Spirit.

m of the Holy Spirit. See GREEK. PROCESSION, is also a Ceremon

PROCESSION, Is also a Ceremony in the Rewife hurch, confifting in a formal March of the Clergy in their Robes, and the People after them, putting up Prayers, finging Hymns, &c. and in this manner, making a Vifit to fome Charch, or other holy Place.

fome Charch, or other holy Place.

There are general Proceffions of all the People in Jubilees, and in publick Necedities. See Jusile.

The Proceffions of the Holy Sacrament are very folerna.

They have allo Proceffions, frequently, a round the Church, at the Salutations, E. in the Maft.

dian, if he bold in Socage. dian, if he bold in Socage.

By Statute of Westminster, the profecution of any Action
at Law, is by the Guardian, if the Plaintiff be an Instant;
and by the Proceedin Amy, Proximum Amicum, if the Infant be Desendant. See GUARDIAN.

PROCIDENTIA, or PROLETSUS Ani, in Medicine, is when upon a Difcharge by Stool, the Intelligent Restons is protruded fo far, as that it cannot be drawn back again into

the Body; or when drawn back, falls again. See Rec-This is fometimes a Chronic Difease, especially when it arises from a Palfy: Its Causes are a Relaxation of the Fibres of the Rectam, either from the Addiriction of the

Fibres of the Reclaim, either from the Adhrichico of the Alwas, a Directory, or Tenefinus. "Tis very difficultly cared, when attended with Hamor-thoids." The principal Cure is by Affringents. External Affiliance is required to reduce the fallen Gat; which, if it he not foon had, is apt to tunnely and mortify, by the Cantell of the Air.

Tis subject to relapse after Reduction in Children, espeeislly, upon violent Grying; and is difficult to keep ap, in cale of a Distribus.

case of a Distrines.

Practipastria Useri, the Descent, or falling down of
the Womb; from a Relaxation of the Ligament, which
did in its place. See Ursans,
if the Uterus fall into the Vagins,
or may be either perceived with the Finger within, or by the
Type plur without, the Ladia Vastes; it is called a hearing
the without, the Ladia Vastes; it is called a hearing
manufacture within that it is full quite down, to a not hear,
and the second of the control of the contr séreir of the Worsh.——It is fall quite down, to as to his, pendaloss without he Lébis, but to as that no more of the Infide than the Orifice in feen, it is call'd a Prolegion of the Infide than the Orifice in feen, it is called a Prolegion out, and hong like a fieldly Bars, it is to carried infide out, and the pendal property of the Company of the C

preffing and bearing hard upon the Uterus; but ofpecially if the Focus be dead, lie in a wrong posture, or be violently extracted

ly extracted.

After replacing the part, Reftringents both inwardly, and by Injection, are here used; such as obtain in Diarrheas, Hammorhoids, the Gonorrhea Simplex, 55c.

PROGEDERITA, or PROLETSON, O'Male; the Descent or Relaxation of the Uvula, or Almonds of the East. See

UVULA.

PROCLAMATION, an Infirument dispatch'd by the King, with the Advice of his Privy Council's whereby the People are advertised of fomething, which his Majerthiuke fit for them to know; and whereby they are fometimes requir'd to do, or not to do certain Things.
King and Privy Cosnett.

Proclamations have the Force of Laws; but then they are supposed to be consistent with the Laws already in being; otherwise they are superfeded: Proclamare of palam

wide clamare. PROCLAMATION is also used for a folemn Denunciation, er Declaration of War or Peace. See Wan, &c.
Procediment on is also the Act of notifying to the People

the Accession of a Prince to the Crown. See Accession

the Accellion of a Prince to the Crown. See ACCESSION.
The Proclamation does not inveil the Prince with the
Regal Authority 3 is Impedee him altered inveiled there
with 3 and only given project between the Prople.
Pacciamation of a Fine, is a Notice openly and
Committee of the Prople.
The Committee of the Committee of the County
within one Year after the langeding in See Fine.
These Proclamations are made on Transfering of the Pine.

feet by Juffices of the Common Pleas, to the Justices of

Affize, and of the Peace PROCEAMATION, in the Monastic Sense, is the Accusation of a Friar or Brother, by another Brother, in open Chapter, and in presence of the Superior and Community, for some external Crime he has seen him commit.

PROCONDYLI, among Anatomitis, the Bones of the Fingers next the Back of the Hand. See Finuar.
PROCONSUL, a Roman Magistrate; sent to govern a
Province with a Consular Authority. See Consuland Pro-

The Proconfuls were appointed out of the Body of the Senate; and ordinarily, as the Year of any one's Confulate expir'd, he was fent Proconful into fone Province. The Proconfuls had the fame Honours, See, with the Confuls themselves ; except that they had only fix Lictors, and Fasces before them.

The Procunfuls did not ordinarily hear and determine Proceedies in person, but had that Office perform'd by their Affections, or other Judges, conflicted or delegated by them.

As the Proconfuls had the Direction both of Juftice, of War, and of the Revenues; they had their feveral Lieute-nants in each Capacity: Thefe were call'd Legati, and were ordinarily nominated by the Senate.

collectly nominated by the Searce.

The Freespite Tradition only beld a Year: The Chargo of their Journey backward and ferrands, was bose by The Freespite Tradition of the Pointeen Searce and the Fuely's short wine predicted were the Provinces of the After the Particles of the Chargo of the Pointeen Searce and the Fuely's short wine predicted were the Provinces of the International Conference of the Provinces of the International Conference on the Provinces of Provinces and 
CHRATOR. PROCTOR, Procurator, in the Civil Law, is an Officer appointed to appear in Court, and manage the Caufes of Partier, who will make use of his Procuration. See Civil

Antiently, every body was oblig'd to appear in person; and when the Affair happen'd to be drawn out to a great length, was allow'd to create a Profler, or Proxy, in his

Caule. But this was a Favour only granted for a certain Time; till towards the middle of the stell Century, when it was fill towards the middle of the stell Century, when it was FROCTIONS gift Communers, are Perfons skilled in the GrivilLaw, and the Freatize of Duclors Commonsy who exhibit their Proxice, and make themfolters Pruries for their Cilents, in draw up Ada sand Fleadings, produce Winnelles, prepare Coglist for Senences, and attend the Advocator with the Proceedings.

They are 34 in Number; are admitted by the Archbi-lop's Fist; and wear black Robes, and Hoods lined with hite Fun. See Dog roas Cammons.

Paorons of the Clergy, are Deputies, or Reprefentatives, choic by the Clergy of each Diocets, two for each ; and by the Cathedral and Collegiste Churches, one for each, to fit in the Lower House of Convocation. See Convocation.

PAGOURATON, as All where the Content of the Content

is to examine his Procuration. The Word is now littleufed in this fenfe, except in the Cafe
of a Perfon who collects the Fruits of a Benefice for another,

of a Person woo collects the Fruits of a Benefice for shorther, Paccura Arrivon, or Proys, in the Canon Law, is edd for the Repath or Entertainment anticntly given to Church-Officers or Ordinaries, who came to with in Churches or Monadleries; whether they were Biftops, Arch-deacuns, or

Procuration was due to the Pope's Legates, and even to Popes themselves, when they came into France; and the Charge was comprized in the Bulls then granted.

Complains were frequently made to the Pope, of the executive Charges of the Procurations of Bishops and Archdeacons; upon which they were prohibited by several Councils and Bulls.

That of Clement IV. mention'd in the Monasticon, is very express; wherein that Pope tells us, Complaint had been made, that the Arch-descon of Richmond, visiting the Dimade, that the Art-bedecion of Richamon', viiting the Di-oceole, travel'd win hone handred and three Horfes, twenty one Deg, and three Hawker, and did fo gircoulty oppered. I A Ediginar Florid with that vial Equippe, thaghe cash of the property of the property of the property of the maintain'd them a long time. See I have have visually are maintained them a long time. See I have have visually as Face various, or Farx's, in own sucid for a Sam of Moncy, paid yearly by Perlik Priefs to the Biffingo or Arthrésicos, in liet of the Entertisioner. Perfor who has FROCURATION, Facerons, Facev, a Perfor who has TROCURATION, Facerons, Facev, a Performance of the Priefs of th

PROCURATION. Thus the Proxies of the Lords in Parliament, in our

Law Books, are call'd Procurators. See Proxy.

The Word is alfo ufed for a Vicar or Lieutenant; thus, in Petrus Bleffenfis, we read of a Procurator Regni. Those who manage Causes in Doctors Commons, are also

call'd Procursiors, or Profitors. See Praction.
The Bifhops are fometimes call'd Procursiores Ecclefiarum; and the Reprefentatives fent by the Clergy to Con-rucation, Procuratores Cievi. See Convocation. In our Statutes, a Person who gathers the Fruits of a Be-

nefice for another, is particularly call'd Procurator; and the Instrument impowering him to receive the fame, Procuracy.

PROGURATOR, is also a kind of Magistrate in several Gities of Italy, who takes care of the publick Interests. There are Progurators of St. Mark, Progurators at Ve-

ice, at Genoa, &c. Originally there was but one Procurator of St. Mark at Venice: In 1442, the Number was sugmented to Nine 3 when, the Senate made a Decree, appointing, that for the future, none should be admitted to the Dignity, but after the Death of sume of the Nine. But in the Occasions of the Death of fume of the Nine. But in the Oceations of the Republick, the Number was afterwards colarged to Fertys the of thefe, there are only Nine that bear the Thiele of Procurators, and whole place is regularly fill.

They are Administrators of the Church of St. Mark, and of the Revenues arthord thereto; the Patrons of Orphans, and Executors of Teltaments.

This Office receives more Luffre from the Merit of those

This Office receives most Luther from the Merie of those who distingter is, than from its Authority. They are cleathed in Black or Volet, with Dueal Sievers. A Advanced Process area, Mangheriti, antentity, was the merid, and plead the Caufes of the Society. See Anvecarty. Process area, English Proceduria, are the Chaperlow arises, whost Office is not at a Francis and Representations, whost Office is not at a Francis and Representations. See Maximus Processor and Representations. See Maximus Processor FROCUSON, in Afrenous, a fixed Star of the feed Manghada, it family fifters. See Cast out and after Office. The Cast of the Conference o

nanta, who were call'd to the King's Council, and were to give advice according to the king a bouncil, and were to give advice according to the best of their producte and knowledge. See Thank, Baron, &c. PRO-DICTATOR, among the Rement, a Magistrate who had the Power, and did the Office, of a Dictator. See

DICTATOR. The Romans fometimes created a Predictator, in Cafes where they could not have a Dictator. Fabius Maximus was Predictator.

PRODROMUS, or Joue, literally denates a Fore-runner, a Harbinger: Hence, Prodromus Morbus, among 10 Q. Phy-

mustion, &c. See Parmiss.

PRODUCING, in Geometry, denotes the continuing a gist Line; or drawing it out farther, till it have any affiga'd length. See Link.

PRODUCT, in Arithmetick and Geometry, the Factum of two Numbers; or the Quantity arising from, or produced by, the Multiplication of two or more Numbers, Lines, &c. into one snother. See Factum.

Thus, if 6 be multiply'd by 8, the Product is 48. See

MULTIPLICATION.

In Lines it is always (and fometimes in Numbers) call'd the Restangle between the two Lines, multiply'd by one another. See RECTANGES.

PRODUCTION, in Anatomy, a Continuation, or Pro

FROUD LINEY, an antonny, a Continuation, or 17 PRO EDRICS, in Antiquity, See Epitharya PROEM, Frontier and The PROEM, Frontier and Termanical wide for Profess, See Para Facia. Frontier and the property of the Continuation of t

Acceptation: Trinity of rm fluid light the Slander, not after Firmity Stander, when the Stander after the St

In this fense the Word is used in opposition to Novice. In this fenfe the Word is used in Appendix
See Novice and Propertion.
PROFESSION, in the Manafile Senfe, the catering
into a religious Order; or an Adion whereby a Person
offers himself to God, by a Vow of observing three things,

The state of Properties Which he promise

The state of Properties of Properties of Properties of Properties

The state of Properties of

eifen hindriter God, by a Vow of otherway have thing, viv. Obediene, Englisy, and Freerry, which be promise in the control of 
Others from those who founded the Profession, or as-figed a Revenue for the Support of the Profession; as the Sevilian Profession as thrown and Geometry, the Luca-lian Profession of Mathematicks, Margaret Professor of Di-

plan Frysjjør or nateminicks, nangare Frysjør or Drinty, Gr.
PROFILE, in Architecture, the Figure, or Draught of a Building, Fornification, or the like's wherein are expected the feveral Heights, Wildhe, and Thickneffes, fach as they would spiper were the Building cat down, perpendicularly from the Rodf to the Foundarion's whence the Frydleis and could the Sellion, and by Firmysian, Scianovica, Scienovica, Scianovica, Scienovica, Scianovica, Scienovica, Scianovica, Scienovica, Scianovica, Scienovica, Scianovica, Scienovica, Scianovica, Scienovica, Scianovica, Scianovica, Scianovica, Scianovica, Scienovica, Scianovica, Scie graphy. See Section, &c. PROFILE, is fometimes also used for a Defign, or De-

feriotion ; in opposition to a Plan, or Ichnegraphy. In which Senfe, Profiles coincide with what we popularly call Prospetts

PROFILE is also wied for the Contour, or Out-Line of a

Physicians, is used for a Disease which foreruns a greater. Building, or a Member of Architecture; as a Base, a Con-Thus a Straimers of the Breath is a Prodramus of a Con-niche, Us.

niche, UE.
Hence Profiling is fometimes afed for Defigning, orde.
feribing the Member with Rale, Compart, UE.
PROPILE, in Sculpture, and Painting. A Head, a Portrait, Ge. are faid to be in Profile when they are represented
fide-ways, or in a fide-view. As, when in a Portrait, there
is but one fide of the Face, one Eye, one Check, Ge. ficun,

and nothing of the other.

In almost all Models the Faces are in Profile. See Mr.

DAT.

PROFUNDUS, in Anstomy, a Mulcic, call'dalfo Per-forants. See PERFORANS.
PROGNOSTIC, PROGNOSIS, in Medicine, aconjc@ursj Judgment of the Event of a Difeafe; as, e.gv. wheneve is fhall end in Life or Death, be long or shart, mild or ma-lignant, &c. taken from certain Symptoms thereof. See SIGN and SYMPTON. In all continued Fevers, Morton tells us, a ffrong equable

Pulse is a good Prognostic, and always prefages well, what-ever other threatning Symptoms attend it; on the contrary, a quick, feeble, intermiring Pulfe is a Prognottic of Death how much focver the other Symptoms may flatter. See PULSE. Hippocrates observes, that all Predictions and Prognofiles

of acute Difeafes are very fallacious; Diemerbrock, how-ever adds, that in the Plague of Nimmeguen, fixth day Crifes were constantly found fatal Prognoftics; also to be Cries were contempty found intel Programs; all to be infected about the new, or full Moon; Faintings in the beginning of the Difeafe, and Palpitations of the Heart, were found deadly Programs; on the contrary, a Pleurify, and found deadly Prograptics; on the contrary, a Picurify, and Supprellion of Stool, were good Prographics.

The Word comes from the Greek respective.
PROGRAMMA, a Letter feated with the King's Stil.
PROGRAMMA, a Letter feated with the King's Stil.

Sec SEAL. PROGRAMMA is also College Term, fignifying a Billet. or Advertisement posted up, or given into the Hand, by way of Invitation to an Oration, or other College Octe-mony; containing the Argument, or so much as is necessary

for theunderstanding thereof.

Programma's are fent to invite People to affish at Decla-

PROGRESSION, an orderly advancing, or going forward, in the fame Manner, Courfe, Tenor, &c.

PROGRESSION, in Manner, Courfe, Tenor, &c.

PROGRESSION, in Mathematics, is either Arithmetical, a Geometrical.

Arithmetical Progression, call'd also Arithmetical Proportion, is a Series of Quantities equidifiant from each other; i e. either increasing, or decreasing by one common interval or Difference. See Series.

## For Inflance a

3, 6, 9, 12, 15, 18, 21 24, 24, 24, 24

Henc, 1°, we find the Sun of any Artitheotical Programs by Minchigns the Sun of the Arist and Int Temperature of the Number of Terms, the Difference and the Number of Terms given; the Sun of the First Number of Terms given; the Sun of the First Number of Terms given; the Sun of the First Number of Terms given; the Sun of the First Number of Terms given in the Sun-indifference of Terms, and to the Product adding the Probact furnishing from the difference multiply'd into the Sun-indifference of Terms from the Square of that fine Number of Terms from the Square of that fine Sun Number of Terms from the Square of that fine Square of the Sun Number of Terms from the Square of the Squa Number.

Thus, fuppofe the first Term 3, the Number of Term 7, and the difference 3 3 the Product 6 3 and 7 = 21 being added to the Product 6 3, of the difference 5 multiply always the Semi-difference of the Number of Terms 7, from the Square thereoft 49, = 21 s. gives 84, the Sum of the 279

30. The Number of Terms letten'd by one, being mal-tiply'd by the common Difference, and the first Term added to the Product; the Sum is the last Term. Thus in a Pro-

greffin of 52 Places, where the difference is 3, and the first griffus or 3x risces, where the distortion as 3, and the first Term 3; 3; being multiply 6 by 3, produces 173, to which adding 5, the Sum 198 is the last Term required.

4. If the Tray office begin with 0, the Sum of all the Terms is equal to half the Product of the last Term multiply db yet Namber of Terms.

Whence it follows, that the Sum of a Progression begin-sing from 0, is followed; the Sum of for many Terms, all

ang from 0, is touching the sound of to limity forms, at it could not be greated.

5°. In an Arithmetical Progression, as the difference of the Sum of the first and last Term from double the Sum of the Progression, is to the difference of the first Term from he last 5 in 5 is the Sum of the first and last Terms to

the Progreffional difference. Genner real Paga assson, is a Series of Quantities in-creating or decreating in the fame Ratio, or Proportion; or a Series of Quantities continually proportional. See Pro-

FORTION.

Thus 1, 4, 4, 8, 16, 34, 64, &c. make a Geometrical Progression 3 on 7:90, 143, 81, 27, 9, 3, 1. "I. In every Geometrical Progression, the Product of the extreme Terms is equal to the Froduct of two incerme-diate Terms equiditate from the Extremes; as also, if the Number of Terms be uneven, to the Square of the middle Term.

# For Example :

3, 6, 12, 24, 48, 96 12, 6, 3 288, 288, 188

2º. If the difference of the first and last Term of a Gro-metrical Progression be divided by a Number less than the Decominator of the Ratio, i.e. than the Quotient of a greater Term divided by a less the Quotient will be the Sum of all the Terms except the greatesit: Hence, by ad-

ding the greatest Term, we have the Sum of the whole Progrifties

Thus, in a Progrifties of ; Terms, beginning with 3 is and the Denominator being likewide 5, the general Term and the Denominator being likewide 5, the general Term and be divided by 1, a manufact left by 1 than the Denominator 3 the Questient 10 added to 143, 20% 357, the Channel of the Progrifties. Here on a Progrifties is the Seam of the Progrifties. The Progrifties of the P Progression

the Sum, as Unity to the Denominator: Wherefore, if the difference between the first Term and the Sum, be di-

vided by the difference between the Sum and the last Term, the Quotient is the Denominator. PROHIBITED Goods, in Commerce, fuch Commodi-ties as are not allow'd to be either imported or exported.

See CONTRABAND. PROHIBITIO de vaste directa Parti, is a Writ judicial, directed to the Teoant, probibiting him from making Watte apon the Land in controverfy, during the Suit. It is some-

nes directed to the Sheriff

PROHIBITION, the Act of forbidding, or inhibiting sything. "Tis the Probibition of the Law that makes the

y thing. "Tis the Probabilism of the A Testator frequently bequeaths things with a Probibition to alienate.

bibition to alienate.

PROSIDETION, in Law, is a Writ issued to forbid any Court, either Spiritual or Secular, to proceed in a Caule there depending a youn suggestion, that the Cognizance thereof belongest norto that Court.

It is now stually taken for that Writ which lieth for one, who is impleaded in the Court Christian for a Caufe helonging

muses impleaded in the Court Carittian for a Caufe belonging to the Temporal Jurifdiction, or the Cognizance of the King's Court; whereby, as well the Party and his Council, as the Judge himfelf, and the Register, are forbid to proceed any farther in that Caufe.

PROJECTILE, or Project, in Mechanics, a heavy Body put in Motion by an external Force imprefs d thereon ; Body par in Mation by an external Force imprefs' d thereon of e, more fully, a Projettille is a heavy Body, which being put into a violent Motion, is difmis' d from the Agent, and left to purfac its Courfe. See Movrou.

Sath, a.gr. is a Stooc thrown out of the Hand or a Sling, and the Body 
n Arrow from a Bow, a Bullet from a Gun, Sc. Sec th Artow from a 2008, Projection.

The Caugh of the Communation of the Motion of Projectiles,
The Caugh of the Communation of the Motion after the
first Caugh ceases to act, has puzzled the Philosophets. See

The Peripateries account for it from the Air, which being violently agitated by the Motion of the projecting Cause,

e. gr. the Hand and Sling, and forced to follow the Pro-jetille while accelerated therein, does, upon the difinition of the Projetile, prefeafter it, and protrade it forward; to

of the Projectitis, peris after it, and protoade it forward 3 to prevent a Vacuum. See Vacuum.

The Moderns account for the Motion of Projectitis on a much more rational and early Principle it is being, in effect, a natural Confequence from one of the great Laws of Nature, visc. That all Bodies being indifferent as to Moison Reft, will necessarily an effect, and the second of the projection of the second of the projection of the second of the sec

Keet, will becomenty continue the State they are par jinto, secrept 66 first as they are hindred, and forced to change it by ome new Caufe. See NATURE.
Thus a Project par in Motion, mait continue to move eternally on in the fame right Line, and with the fame Velocity; were it to meet with no Refiftance from the Mediam,

nor had any force of Gravity to encounter.

The Ductrine of the Motion of Projectiles is the Foundation of all Guncery. See GUNNERY. The Laws thereof are as follow-

Laws of the Motion of PROJECTILES.

1°. If a heavy Body be projected perpendicularly, it will continue to afcend or defeend perpendicularly: Because, both the Projecting, and the Gravitating Force are found in the fame Line of Direction.

as If a beavy Body be projected horizontally, it will, in its Motion, deferibe a Parabula; the Medium being supposed void of Refissance.

poded vold of Refittinee.

For, the Body is equably impell'd by the imprefied For, the Body is equably impell'd by the imprefied Force, according to the right Line A R, (Tab. Macrostage to terright Line A G, perpendicial retreet. While, then, the starting of the property of the propert therefore will be found an an- that the anomon in the direction AR will ifful be uniform; (ice Morriox) and, therefore, the  $S_1$  cos QA and qA are as the Times; and the  $S_2$  paces QA and qm, are likewise as the  $S_3$  paces of the Times. Therefore, AQ: AQ: AQ: AQ: AQ: AP: A

pm: A P: a p.

The Coarfe, or Path, therefore, of a heavy Body projelled horizontally A M m, is a Parabola. See Pananola.

Two hundred Years ago, the Philosephers took the Line
deficibed by a Body projelfed horizontally, e.gr. a Bullet
out of a Cannon, while the force of the Powder exceeded. the Weight of the Bullet confiderably, to be a right Line a after which it became a Curv

N. Tartaglia was the first who perceiv'd the Mistake, and maintain'd the Path of the Bullet to be a grooked Line throughout its whole Execut; but it was Gallie who first determined the precise Carre the Bullet described; and shew'd the Path of the Bullet, projected horizontally from an Ethinence, to be a Parabola; the Vertex whereof is the

Point where the Bullet quits the Ca 3°. If a heavy Body he projected obliquely, either of ards, or downwards, in a Medium void of Refitance 1

wards, or downwards, in a Medium void of Refittance 3 it will likewife deferibe a Parabola, in a Medium uniformly refifting.

refitting. Car. Hence, 1. the Parameter of the Diameter of the Parabola  $\Delta S$  (Fig. 4).) is a third Proportional to the Space thro which the Body defected in any given Time, and the Celerity, which is defined by the Space pafed over in the fame time 3 i.e. to  $\Delta P$  and  $\Delta Q_{\perp}$  a. Since the Space defended in the Space defended Celerity, which is defined by into space pasts a over in inc.

ame time i, i.e. to A P and A Q. a. Since the Space deferibed by a Body falling perpendicularly in one Minute, is

1; # Pari fect in a Second 3 the Parameter of the Diameter of the Parabola to be deferibed is found, if the meter of the Parabola to be deferibed is found, if the Square of the Space partid over by the Projetitle with the impact'd Force in a Second, be divided by 13 ½ 3 ½ 1, then, the Velocity of the Projetitle be the Iman, the Spaces deferbed in the Isme time by the Force impact'd, as equal's confequently the Parameter of the Parabola's pair'd over by the compound Motion, is the Isme. 4 1 If from the Parameter of the Disnettee be liabilitated quadraptle the Attitude of A P, the Remainder is the Parameter of the Axis; the fourth part whereof is the diffance of the Vertex of the Axis from the Focus of the Parabola. Hence the Colority of the Projectile being given, the Parabola described by the Projectile may be laid down on Paper.
5. The Line of Direction of the Projectile A R is a Tangent to the Parabola in A.

Sir If Newton shews, in his Principia, that the Line a Projectile describes, approaches neater to an Hyperbola than

a Parabola. 4°. A Projectile in equal times describes Portions of its parabolic Path, as A M, Am, which are subtended by equal Spaces of the Horizon A T, T t. i.e. in equal times

it paffes over equal horizontal Spaces. 3°. The Quantity, or Amplitude of the Path A B, i. c. the Range of the Projectile is to the Parameter of the Diameter A S, as the Sinc of the Angle of Elevation R A B to

its Secant. Hence, t. the Semiparameter is to the Amplitude of the Path AB, as the whole Sine to the Sine of double the

Angl

Angle of Elevation. 2. If these the Celerity of two Pro-siding to be fame, the Parameter is the three con-trol of the Parameter is the control of the Parameter is vation; the Velocity of the Projectile remaining the

69. The Celerity of the Projettile being the fame,

48. The Celevity of the Projectifile being the fame, the Amylinde A B is greated, i. e. the Range of the Projectifile in greated are an Angle of Elevation of 4 y<sup>2</sup> and the Amplitude or Ranges — It Angles of Elevation of 4 y<sup>2</sup> and the Amplitude or Ranges — It Angles of Elevation equally.

This is found by Experiment i and it likewise demonstrated hears — Since the Ratio of the Sinc of double the Angle of the Projectifile commiss the fame; as the Since of double the Angle of the Projectifile commiss the fame; as the Since of double the Angle of Heart Since of the Angle of the Projectific commiss the Since of the Since of the Angle of the Projectifile commiss the Since of double the Angle of Elevation increase, the Amylinde will increase. Wherefore, fine the Since of double the Angle of Elevation Ranges in that Illectain doubte the Angle of Elevation of 4,5° is Radius, or the largeft Sine is be Amplitude, or Range in that Elevation mult be the greatest. Again, fince the Since of Angles copi-ditant from right Angles 2, 25°, 26° and 100° are the fame; and the double Angles must be copi-diffust from a right Angle, if the simple once be for 'The Amplitudes or Ranges at Elevations copie-dilitant from 45°, must be

Hence, fince as the whole Sine is to the Sine of double the Augle of Elevation ; fo is the Semi-parameter to the Amplitude; and the whole Sine is equal to double the Sine of the Angle of Elevation, if that be 4,9°: Under the Angle of Elevation 45°, the Amplitude is equal to the

Seem's parameter. However, and the being given a totage of the simulation of Rangin made any other given.
Amig of Elecation is the Cleaving remaining the Jane. Say
that 3 At the whole Siem is the Siem of double the Angie Jane of License and the License of the Siem's Angiele i-parameter.

preffed Force; e.gr. in one Second; there is nothing required but to find the Parameter of the Path, (by Corol. 2. of the 3d Law.) for half of this is the Amplitude or Range

of the sel Law.) for half of this is the Amplitude or Range required.

Support, e.gr., the Coloring of the Projectific floch as the Support, and the support of the Support of the Support on Second 1 will have over rice. Feet, or second network in the Support of the Support of the Support of the light on the Parameter of the Path 19358 Inches, or 626,98 Feet. The Range or Amplitude required, therefore, 53449. Any Ohject, therefore, found within this Extent of Support of

9°. The greatest Range or Amplitude being given; to find the Velocity of the Projectile, or the Horizontal Space it part be Pricing 4fthe Vinychile, or the Herizantial Space in Amplitude is the Farameter of the Paris Parameter of the Paris Parameter of the Paris Perseva double the greatest Amplitude is the Farameter of the Paris Perseva double the greatest Amplitude and the dealerly, viz. 18t Faris Inche, find a mean Proportional; for this will be the Space definible by the Propicility in the given Second.
Thus, if the greatest Amplitude be 1000 Feet, or 12000 mice, the Space crystiated with the 2mt (12000 Mice).

Feet and 4 Inches.

Nevertal arthur.

10. To determine the granty difficults to which a Body chilently projected militrijb. The Rule is Billed the Amplitude A B in it, and from the Pout recell asprended and the project of the Rule is Billed the Amplitude A B in it, and from the Pout recell asprended as Part 1. The Range or Amplitude AB, and the Angle of Evention B A R, being given in determine the granty difficult and the Rule of the Rule is the Rule of the Rule is the Size, and B A B the Cofine of the Angle of Elevation B A R: Wherefore, fay, as the Cofine of the Angle of Elevation B A B to Brief Number 16 is in the Amplitude A B to a front Number 10 is the Amplitude A B to a front Number 10 which will receptively in the Amplitude A B to a front Number 10 which will reception.

Hence, fince from the given Velocity of a Projectile, its greatest Range or Amplitude, and thence its Range under any other Angle, is found; the Velocity being given, the greatest Altitude of the Projectile is likewife found

12. The Altitude of the Range Im is to the eighth part the Parameter, as the verfed Sine of double the Angle

of Elevation to the whole Sin

Hence, I. fince, as the whole Sine is to the verfed Sine of double the Angle of Elevation in one Cafe; so is the eighth part of the Parameter to the Altitude of the Range; And as the whole Sine is to the verfed Sine of double the Angle of Elevation in any other Cafe; fo is the eighth part of the Parameter to the Altitude; but the Velocity remaining the fame, the Parameter, in different Angles of remaining the same, the Farameter, in different Angles of Elevation, will likewife be the fame: The Altitudes of the Ranges under different Angles of Elevations are as the verfed Sines of double their Angles. 2. Hence, alo, the Velocities remaining the fame, the Altitudes of the Ranges are in a diplicate Ratio of the Sines of double the Angles of Elevation.

Ranges are in a deplicate Ratio of the Sinca of counter the Angles of Elevation.

13. The Horizontal Diffance of any Mork or Object, to gather coith its Height above, or Depth beneath the Hari-con, being given; to find the Angle of Elevation required a bit the faid Object.

But the jane begins to the following Theorem, the Refalt of a regular invefligation: Suppose the Parameter  $= a_1$  if m = b, A1 = c, the whole Sine = 1. Then, as c is to  $\frac{1}{c} s + \sqrt{\left(\frac{3}{c} s - \frac{1}{c} s - \frac{$ 

Angle of Elevation required R.A.B.

Dr. Halley gives the following cafy, and compreading Geometrical Confinctions of the Problems which he like wide deduces from an analysical horologisches. Do. Dr. gives the confinction of the Problems which he like wide deduces from an analysical horologisches. Do. Dr. the greated Range, DG the burianous Diffuser, and Dig. DG, the perpendicular Height of the Object's and one GB, and make DE equal thereon. Then with the &c. between the problems will marter the Lines GA, but H and the Lines CB to problems will marter the Lines GA, but H yes with Evina K. and L; so which down the Lines GA, but H, we happed L. Chen GB, are the Elevations relikes, the Anglet L. Object GB, are the Elevations reBut note, that if B be below the Retirns, in Defices.

quirco tor initing the Object B. But note, that if B be below the Herizon, its Defects D C = DB, must be laid upon A, fo as to have A C = to A D+D C. Note, likewife, that if in Defects, D II be greater than FD, and fo K fill below D; the Angle K G D, fhall be the Depretition below the Horizon. N G J J. Shall be the Depredion below the Horizon. It may be here observed, that the Elevation fought con-flaulty biffeels the Angle between the Perpendicular and the Object. This, the Auther was not aware of, when he gave the first Solution of the Problem 3 but upon discovering it, observes, that nothing can be more compendious, or bid fairer for the perfection of the Art of Gunnery; fince 'tis here, as easy to shoot with a Mortar at any Object in any fituation, as if it were on the Level; nothing more be-ingregaired but to lay the Piece, fo as to pais in the middle Line between the Zeuith and the Object, and giving it the due Charge. See Montan.

14. The Times of the Projections, or Casts under different Angles of Elevation, the Velocity remaining the fame, are

as the Sines of the Angles of Elevation

as the Sinese of the Anglesof Elevation.

15. The Velocity of the Specific requires with the Anglesof Elevation R A B bring given (Eq. 4.7); a find the Range or Anglesian A B, and the Anthrop of the Change or an Anglesian AB, and the Anthrop of the Change or an Anglesian AB, and the Projectific Halles, might a copier the given Velocity On A D defenhe a Semi-circle A QD, caving the Lincof Decicion AR in QD, "Thro Q devot to girrullet to AB, and makes CQ as QDs." Thro Q devot to grantlet to AB, and makes CQ as QDs. Throw the Vertica AB in Contract the Contract of the Contract of the Vertica AB. pendicular mf to AB: Laury, the description of the Parabola Am B.

Here, Am B is the Path fought, 4 C Q its Amplitude of the Range, 1m the Altitude of the Range, and 4 C D the

or mange, ras the chitumes of the Range, and q CD in Hence, . The Velocity of a Drylichi being piere, the Amplitudes and Altinudes of all the publish Rangeset that the Property of the Property of the Rangeset the Angel of Elevation EAB, the Attinude AI, and the Amplitude at Br. Under the Angle of Elevation FAB, the Altinude at Dr. Under the Angle of Elevation FAB, the Altinude AB is a conference of the Chite All Alleces the Angle AB Dr. Line 13 and 14 Here at the Angle AB Dr. Line 13 and 14 Here at the Angle of Elevation RAB is a conference (C). He fearly berry of the Angle in the Conference of the Angle of Elevation RAB, the Conference of the Conference

Caft. Or to the right Sine of double the Angle of Eleva-tics, the whole Sine and the foarth part of the Amplitude, find a fourth Proportional. This will be the Radius 1 Q or cate ices, the whole Sine and the cate ices, the whole Sine and the Cate ices, the whole Sine and the Cate ices, the cate ices

PRODUCTION, in Mechanics, the Action of giving a Projecthic is flotion. See Projectine.

If the Direction of the Force whereby the Projectile is put in motion, be perpendicular to the Horizon; the Pro-gificais faid to be Perpendicular. It parallel to the apparent Horizon, it is faid to be a berirontal Projection: If it make an oblique Angle with the Horizon, the Projection is ob-

an oblique Angle with the Horizon, the Projective is col-lique. See Ostateurs.

The Angle ARB, (Tab. MECHANICS, §6; 4:1) which be Lince of Direction AR makes with the horizontal Line AB, is called the Angle of Elevation of the Projectile. Paop section, in Peripective, the Appearance or Re-preferration of an Object on the peripective Plane. See

Prant: The Projection, e.gr. of a Point, as A, (Tab. Praspec-tive, fg 1.) is a Point s thro which the Optic Ray OA applies from the objective Point, thro'the Plane, to the Eyes of the Point s wherein the Plane cuts the optic Ray. And hence is radii's consonity'd what is meant but he Pro-

or the Point a whereas the Fishe cast the optic reay.

And hence is castly conceived what is mean by the Prointeres of a Line, a Plane, or a Solid. See Praspretive.

Rosperton of the Sphere in Plane, in a Representation

of the Leveral Posses or Places of the Surface of the Sphere

and of the Circles deferibled thereon, or of any affigard parts

thereof, such as they appear to the Eye stream or a given dillance, upon a transparent Plane placed between the Eve

dillines, upon a transparent and particular send the Sphere. See SPHERE.

For the Laws of this Projection, see Perspective; the Projection of the Sphere being only a particular Case of Peripochive.

Perjective.

The principal Use of the Projettien of the Sphere is in the Controlled on of Plantisheres, and particularly Maps and Charts; which are faid to so of this or that Projettien, according to the several Steations of the Eye, and the perfective Plane with regard to the Meridian, Farallela, and other Points and Places to be represented. See Plantish SPHERE, Co.

The most usual Projection of Maps of the World is that The most usual Projection of Maps of the World is that on the Plane of the Meridian, which exhibits a right Sphere; the first Meridian being the Horizon. The next is that on the Plane of the Equator, wherein the Pole is in the Cen-tre, and the Meridians the Radii of a Circle, &c. This re-

prefents a parallel Sphere See the Application of the Dolfrine of the Projection of

the Sphere, in the Construction of the various kinds of Maps, under the Article May. The Projection of the Sphere is usually divided into Orshographic and Stereographic; to which may be added Orthographic PROJECTION, is that wherein the Superfi-

cies of the Sphere is drawn on a Plane, carting it in the Middle; the Eye being placed at an infinite diffance verti-cally to one of the Hemilyheres. See Orthographic.

Laws and Properties of the Orthographic Projection. 1. The Rays by which the Eve at an infinite diffance perceives any Object, are parallel.

A right Line perpendicular to the Plane of the Pro-jection is projected into a Point, where that right Line cuts the Plane of the Projection.

The runs of the Properties.

3. A right Line, as A B, or CD, (fig. 17.) not perpendicular, but either parallel or oblique to the Plane of the Projection, is projected into a right Line, as E F, or G H, and is always comprehended between the extreme Perpendiculars A F, and B E.

4. The Projection of the right Line A B, is the greatest 4. The Projection of the right Line A. It, a the greater when A B is parallel to the Plane of the Projection.

5. Hence it is evident, that a Line parallel to the Plane of the Projection, is projected into a right Line equal to tifelt; but if it be oblique to the Plane of the Projection, ties projected into one which is left.

yödel inn one which hield.

6. A plane Staries at A BCD, (fig. 18) stright Angles under Pleas of the Projection, in projected into that right the plane of the Projection, in projected into that right Plane is reinformed to the Plane of the Plane is reinformed to the Plane of the Plane of the Plane is the Plane of the Projection, which putte the air Court, project-project Dimerce A J. (as plane) as the Plane of the Projection, which putte the air Court, project-project Dimerce A J. (as plane) as a project dimerce A J. (as plane) as a plane of the Projection, is projected into a Circle opul to hield is and a Circle oblique high.

Sterrographic Progression, is that wherein the Surface and Circles of the Sphere are drawn upon the Plane of a

Properties of the Stereographic Projection.

1. In this Projection, a right Circle is projected into a Line of half Tangents.
2. The Representation of a right Circle, perpendicularly opposed to the Eye, will be a Circle in the Plane of the

5. The Representation of a Circle placed oblique to the

Eye, will be a Circle in the Plane of the Projection

Eye, will be a Circle in the Plane of the Prysidilen.
4, 14 a great Circle he to be projected upon the Plane of Meaface, dilutal from the Cartes of the primitive bythe Tangard (little from the Cartes of the primitive bythe Tangard (little from the Cartes of the primitive bythe Tanface, dilutal from the Cartes of the Parisition of the
Prysidilina, were to be projected, by the Cartes of in Repreferantion would be in the Line of Meafaces, distinct from
the Cartes of the primitive, by the Secant of the Indier
Cection dilutes from in Place, and in Secant directly
Cection dilutes from in Place, and in Secant directly
Cection dilutes from in Place of Meafaces, distinct of the
Cection dilutes from in Place of the Cartes of the Cartes
Cell (18 to Meaface from in Place)
Cell (18 to Meaface from in Place)
Cell (18 to Meaface)
Cell (18 to

dua, be equal to the langent of that dillance.

6. If a lefter Circle were to be projected, whose Poles lie not in the Plane of the Projection, its Diameter in the Projection, it is falls on each fide of the Pole of the Primitive, will be equal to the Sum of the half Tangens of its greatest and neared Diftance from the Pole of the Primitive Committee, will be equal to the Committee, and the Primitive Committee of the Primi mitive, for each way from the Centre of the Primitive in the Line of Meafures.

7. If a lefter Circle to be projetted, fall entirely on one fide of the Pole of the Projection, and do not encompais it; then will its Diameter be equal to the difference of the half Tangents of its greatest and nearest distance from the Pole of the Primitive, fet off from the Centre of the Pri-mitive one and the same way in the Line of Measures. 8. In the Stereographic Projection, the Angles made by the Circles of the Surface of the Sphere, are equal to the Angles made by their Representatives in the Place of their

Projection. Guamenic Projection of the Sphere, fee Gnomonic Projection.

PROJECT ION of Globes, &c. fee GLOBE, &c.

PROJECTION of USERS, O.C. ICC GLOBE, GC.
PROJECTION, in Alchymy, the calling of a certain, imaginary Powder, call'd Portser of Projection, into a Crucible, or other Vedel full of prepared Metal, or other Matter, which is to be hereby transfunted into Gold. Sca

ter, which is to be hereby transmuted into Golds. See Poender of Projections. Or of the Philidephor. Product of Projections. Or of the Philidephor. Product of Projections are supported by the Company of the Company and quantity of an imperfiel Metal, as Copper, or Lead, into a more period one, as Silver or Gold; by the admis-tion of a little quantity thereof. See TRANSMUTATION. The Wark to which the Alchymitt direct all their En-crees of such that here within an Act of, in bundered introp. one of 'em has been within an Ace of, an hundred times. CO ALCHYMY.

For the Characters, Properties, Virtues, &c. of this builder, for PHILOSOPHER'S STONE.

PROJECTION in Building, fee Projecture. PROJECTION IN BUILDING, SOF PROJECTURE.

PROJECTIVE ZUBLING, a Bettend of Derming, by a REQUESTIVE ZUBLING, as Heart of The Property of the Project Pr

COLUMN, &c. Thefe the Greeks call Ecphore, the Italians Sporti, the French Sailles, our Workmen frequently Sailings over, and the Latins Projetta, from projicio, I call forward; whence

the English, Projecture. Virruvius gives it as a general Rule, that all the projec-ting Members in Buildings have their Projectimes equal to their Heights: But this is not to be understood of the parther Heights: But this s not to be underslood of the par-ticular Membras, or Moodings, as Denils, Corons, the Faicin of Architrares, the Abacus of the Tulkan and De-ric Capital, E.c. but only of the Projections of entire Cor-nices, St. 8ee Connect, St. The great Point of Building, according to fome modern Architects, confits in knowing how to vary the Propertions

of Projectures, &c. agreeably to the Circumfisances of the Building: Thus, fay they, the nearness and remoteness making a difference in the View, requires different Proectures; but 'tis evident the Anticots had no fuch Intention.

See PROPORTION.

The Projeffure of the Bafe and Cornice of Pedefials,
the antique than The Projettiere of the Bafe and Coenice or reconsum, M. Perrauli observes, in greater in the antique than the modern Buildings by one third; which teems to follow, in good measure, from the Antients proportioning this Projettier? to the height of the Pedefilals; whereas the Moderns make the Projettier the fame in all the Orders, the the height of the Pedefilal be very different. To R.

The reason of this Change which the Moderns bave made Appearance of Solidity. See Peneral.

PROLABIA, Fore-Lips; a Term in Anatomy for that

part of the Labia which jets out. See Lanta.

part of the Labia which jets out. See LABIA.

PROLATE, in Geometry, an Epithet apply'd to a
Spheroid produced by the Revolution of a Semi-Ellipfia
doust its lenger Diameter. See Spura not.

If the Solid be formed by the Revolution of a SemiEllipfia about in Draws Diameter is called an Oblate.

If the Solid be formed by the Revolution of a Semi-Billipfa about its florter Diameter, it is call da obliste Splervid, of which Figure is the Earth we Inhabit, and, pretape, all the Flanest too; baving their Equatorial Dia-meter tonger than their Polar. See Oblanes. FROLATION, in Mufic, the Act of Shaking, or making feveral infections of the Voice, on the fame Syl-midan grant of the Polar of the Syl-

lable

PROLEPSIS, a Figure in Rhettrir, by which we anti-ipate, or prevent what might be objected by the Adver-lary. See Figure 2. Thus; It may perhaps be objected, &cc.

The Word in the original Greek, Ternete, fignifies Pre-PROLEPTIC Diftofe, a Diftemper which flill antici-

pates, or whole Paroxylm returns fooner, and fooner, every day, as is frequently the Cafe in Agues, &c. day a as is frequently the Cafe in Agues, &c.
PROLIFIC, in Medicine, fomething that has the Qualities necessary for generating. See Facus nerv.
Some Physician percent to diffinguish whether or no the
Seed be Prolific. See Seed.

PROLIXITY, in Discourse, the Fault of entering into too minute a Detail; of being too long, precife, and circum-flantial to a degree of Tediousness. See STYLE.

Prolinity is the Vice opposite to Conciseness and Lacominn. See LACONICAL.

"Fredikrip" in a Fault commonly charged on Gaiccordin,

Gaffendan, Sc. F. Rapin observes, that formal Harangues,

at the Head of an army, and Deliberations, of soulcous

Profisiry, formerly for frequent, are now difused in all the Sec LACONICAL.

better Histories better Hittories.

PROLEGOMENA, in Philology, preparatory Obfer-rations, or Diffourtes prefixed to a Book, 5% containing fomething necediary for the Reader to be apprized of canable him the better to underfland the Book, to enter

deeper into a Science, &c. The generality of Arts and Sciences require fome previ-s Instructions, fome Prologomena. ous Inftructions,

The Word is Grack περαγμόνη, form'd of περλίγομα, to

Preface. See Parface.
PROLOCUTOR, of the Convocation, the Speaker, or Chairman of that Affembly. See Convocation.
The Archbithop of Canterbury is, by his Office, Prefident, or Chairman of the Upper Heafe of Convocation.

The Projection of the Lower Houfe is an Officer chofen by the Members the first day of their meeting; and to be

The original Intention of the Prologue was to advertise
the Audience of the Subject of the Piece, and to prepare them to enter more cafily into the Action; and fometimes to make an Apology for the Poet.

This laft Article feems to have almost excluded the two

former, in the English Drama; and to be in fole possession of the Prelozue.

The Prologue is of a much more antient Standing than the Epilogue. See Errzoove.
The French have left off the Ule of Prologues; those few

The French have let off the Uted Fringers; took few they now and then make, have nothing in them of the gen-ing Prologyr, as beating no relation to the Subject, but be-ing mere Flourishes or Harangues in praife of the King, Sc. In the anitent Theatre, the Prologyr was properly the Actor, who reheard of the Prologyr. The Prologyr was co-Actor, who rehears'd the Prologue: The Prologus was c-fleem'd one of the Draments' Terjone, and never appear'd in the Piece in any other Character; fo that the Learned are imprised to find Mirecury in Pleasuris' Amphirryo, freaking the Prologue, and yet acting a confiderable part in the Play afterwards.

The Prologue, therefore, among them was a part of the Piece; indeed, not an effential, but an accellary part.
With us the Probage is no part at all; but formething intirely diffinct and a-part: With them the Drama was open d

with the appearance of the Prologue; with us 'ris not open'd till after the Prologus is rein'd: with us therefore the Curtain is kept close till after the Prologue, with them it must have been withdrawn before. Hence proceeds a fill more confiderable Difference, in

the practice of the Prologue: For with as the Prologue fpeaks in his real or personal Character; 'tis Mr. Booth or Nor. Oldfeld fpeaks, not Cate or Andromache: With them the Prologue space in his Dramatic Character, not a Yar-

the Protigon (pole in his Dramatic Chanacter, not a given pinner stittling but a Protigon; to the Audience, one of the pinner stittling and the pinner stittling and a pinner stittling and the pinner stittling and the change he could be properey; to have (pole as so a Cha-ras of By-finnders, or Jerfons to be preferred as to a Cha-ras of By-finnders, or Jerfons to be preferred at the real da-tion. But this being in good measure inconfines with the Delign of the Protigons; their Ferfons (pole in their the pinner stitled by the pinner stitled by the pinner stitled pinner stitled by the pinner stitled by the pinner stitled by Down which we have the pinner stitled by the pinner stitled by Down which we have the pinner stitled by the pinner s

city s which was an Irregularity that either the good Fortane, he good Sense of the Moderns, have freed them from. They had three Kinds of Prologues; the first ownsomes,

wherein the Poet deliver'd the Argument of the Piece; the feened essenties, wherein the Poet recommended himself tecnna ασκατικές, wherein the root recommended himself or his Piece to the People; the third αταφορικές, wherein Objections were obviated, Ε΄σ. The Word Prologue is form'd from the Greek σεικορ. Φ. Prelogatium, Fore-Speech.

PROLUSION, PROLUSIO, in Literature, a Term ap-

PROLUSION, PROUSED, in LITERATOR, a Term apply do ocerain Pieces or Compositions, made previously to others 1 by way of Prelude, or Exercite.

Dissumed cells the Caites of Prizil, and his other Opagcuits, Prohisports because wrote before the great once,
The Prohisports because wrote before the great once,
The Prohisport of Strada are very ingenious pieces: The
famous M. Hues, Bilinop of Astronties, has all Strada's Prolufions by heart.

PROMETHEUS, in the arrient Aftronomy, was the Name of a Confiellation of the Northern Hemisphere; See HERCULES now call'd Hercules, or Engonafis. See HERCULES. PROMISE, in Law, is when a Man binds bimfelf by his Word to perform such an Act as is agreed on and concluded er, upon a valuable Confideration. See Con-

TRACT, PACT, COVENANT, &C.
PROMONTORY, in Geography, a Point of Land, or a Rock, projecting out into the Sea; the Extremity of which to the Sea-ward, is afually call'd a Cope, or an Head-

lend. See Cape.
PROMOTERS, in Law, thefe Persons, who in popular and penal Actions, do prosecute Offenders in their Name, and the King's 3 and are entitled to part of the Fines and Penalties for their pains.

Thefe, among the Romans, were call'd Quadruplatores, or Welstores. Sir Tho, Smith observes, that Promoters belong chiefly

to the Exchequer and King's-Bench. My Lord Coke calls them, turbidum Hominum Genus, 3 Inft.

them, twithdom Homistom Grant, a Inft.
PROMET OPPOSENTS, recky Money, for PRINCEST.
See Directown, READER, Grown the PROMETER, in the Denso, an Officer potfied behind the Scenes, whole Butterfa is to watch attended, the Scenes, whole Butterfa is to watch attended, the the Seenes, whole Butterfa is to watch attended, the the Seenes, whole Butterfa is to watch attended which the Seenes, when as a Hand jo correct them when notive them as the seenes of the Seenes and the Seenes and the Seenes and Seenes a

PROMULGALED, PROMEREN, Promugant, tome-thing published or proclaim of the New Law was promulgated by Medes: The Promulgation of the New Law was chiefly effected by the Apolitics and Diffeiples. PRONACOS, in the aniton Architecture, a Porch to a

Church, Palace, or other spacious Building. See Pozen-PRONATION, among Anatomists. The Radius of the Atm has two kinds of Motions; the one call'd *Pronation*, the other Supination. See Rapius.

Pronation, is when the Palm of the Hand is turn'd downwards; Supination, when the back of the Hand is downwards.

There are two Mufeles, whereby the Pronation is effected, call'd PRONATORS, PRONATORES, in Anatomy, two Mus-

cles of the Radius, which ferve to turn the Palm of the Hand downwards. See PRONATION. They are diffinguish'd by the Names of Rosmadus and

Puadrains.
The Word is form'd from the Latin Prenus, that which

The Word is form'd from the Latin Froms, that exhich lies on the Fore-fide.

The Radius has two other Mufeles, call'd Supinasurs, which have an opposite Elifeth. See Surin Aroas.

Pron Aroa Radii Quadratus, or Errosis, files broad and fleshy, from the lower and inner part of the Ulna 3 and pating transverfely over the Ligament that joins the Ra-dius to the Ulna, is inferted into the superior and external part of the Radius: which it helps to pull inwardly; to-

gether with the gener with the Paon Aroa Radii Rosandus, or Teres, a Massle which rifes fleshy, from the internal Extuberance of the 03 Histories, where these bending the Cerpus and Fingers do ritle; and firmly adhering to the Flexor Carpi Radialis, above the Radius, in the middle externally : Its Use is to move the Radius and Palm inwards. to move the Radius and Palm inwards. PRONOUN, PRONOMEN, in Grammar, a part of Speech ufed in lieu of a Noun, or Name; wheate the Denomination; from pro and nomen, q.d. For Noun, or Names. See Noon.

As it would have been difagreeable to have been always repeating the fame Name; there are Words invented in all Languages, to fave the Necessity thereof, and to per-

funate Names: as, I, thus, he, Sc.

As Nouns are the Marks, or Signs, of Things; Pronouns are of Noune.

Father Buffer shews, that Pronouns are real Nouns or Names; and that all the difference between what the Grammarians call Nouns, and Pronouns, is, that the fur-

Grammátins cell Nouns, and Promoun, is, that the furmer us more particular, and the later more general.
They are call'd Promoun, because used in the place of
place of Nouns crustly, but need other Worst to mility
place of Nouns crustly, but need other Worst to mility
place of Nouns crustly, but need other Worst to mility
place of Nouns crustly, but need of the Such, e.gr., are
only, otherwise, which don't superior any determinapany'd with another Worst, or place any determinapany'd with another Worst, or place any determinant,
port industry, depress a Remark.
Thesis, Pather Brigher cells Incomplied Promoun; to direlativity as, In the past of their different slightlength
The Grammatian ordinatily diffinguish Promoun into
fur Califac, with regard to their different slightlength
Tematine, Use view Promoun Perforal, Relative, Payl
Tematine, Use view Promount Perforal, Relative, Payl
Tematine, Use view Promount Perforal Relative, Payl
Tematine, Use view Perforation, Payl
Tematine, Use view Perforation, Payl
Tematine, View Perforati

erminete Pronouns.

Perfonal Pronouns, are those used in lies of Names of articular Persons: Such are, I, thou, he, we, ye, they. See Person and Personal.

See Person and Pranonal.

Promount Relative, which Buffler calls Madificative, or 
Determinative, are those placed after Nouns, with which 
they have Guch Affairs, that without them they flagily nothing: Such are, min, who, that, Sic. See Relative.

Promount Poffelling, are those which experts what each 
postelling, or what belongs to him; a, mins, thine, bit, Sic.

CC RELATIVE. These are pure Adjectives; and only differ from the rest, y the relation they bear to Pronouns whence they

detiv'd, and by fome particular Inflections which they have in fome Languages. See ADJECTIVE. Pronount Demonstrative, those which serve to indicate,

r point out the Subject fpoke of; as, this, those, Co. See DEMONSTRATIVE. Lattly, Pronoun Indefinite, are those which express their Object indeterminately; as subserver, any, &c. These coincide with what F. Buffier calls Incompleat Pronoun; PRONOUNS are likewise divided into Substantia and Ad-

To the first belong, I, then, ye: To the second, he, she, they, it, my, mine, who, what, Ec.

Pronouns may be considered in two States; the first, or foregoing State; as I, we: The fecond, or following one;

PRONOUNCING, PRONUNCIATION, in Painting, the marking, and expressing the parts of all kinds of Bodies with that degree of Force, necessary to make them more, or lefs diffinet, and confpicuous.

or test attunct, and compacions.

Thus the Painters, in Fleaking of a Piece, fay, thefe or thefe parts are well pronounce's which is a metaphorical way of fpeaking; as when we fay, that a Man who talks well, has a fine Pronounciation. See Expression.

wen, pas a non-troummenton. See Expression.
PRONUNCIATION, in Grammar, the Manner of articularing or founding the Words of a Language repreferred to the Eye by Writing and Orthography. See Words, LANGUAGE, SOUND, Ed. From the Definition it would feem, that the Pronuncia-

From the Definition it would leem, that the Frontineta-tion were only the Image of the Orthography. But as we presonance before we write, and only write to express what we pronounce; 'tis more just to lay down the Pronuncia-tion as the Rule, and Model of Orthography. See On who-GRAPHY.

Pronunciation makes much the most difficult Article of a written Grammar: In effect, a Book only expressing it felf to the Eyes, in a Matter that concerns the Ears; the Cafe feems next a-kin to that of teaching the Blind to diflinguish Colours. See GRAMMAR.

filinguish Colours. See Grammars, the Crammars, as the Promunications 1 ports of defective in the Grammars, as the Promunications 1 ports Writer has frequently no Term, whereby to give the Reader an Idea of the Sund be weed express; for want of a proper Term, therefore, be Crammars, and the world express of the third property of third property of the third property of the third property of the third property of the

the Vowels a, e, i, &e. are pronounced in French the fame as in Latin; never confidering, that there is not any known and determinate Pronunciation of the Latin; but each

Nation, now, Pronounces the Raman Characters in the Latin, the fame as it pronounces these fame Characters in its own Language. Thus the Latin excess, it promoted by the English, sidess; and by the Hellans, rebecom, 65.

Hence at appears, that the Relation between Sounds and Characters, as well as between Things and Words, is purchasely.

ly arbitrary and national.

ly arbitrary and national. Indeed, Plant feems of a contrary Sentiment, and will have a natural Relation between Words and the Things they express a sethere is a natural Relation between the Stephen was there is a natural Relation between the Signature So made by Muses, and the things they would intimate So the Stephen Steph that according to Plato, to every feveral Word there must be a feveral Motion of the Mouth relative to the Action express'd by the Word.

Whether or northere might be fuch a thing in the primi-tive Language, we dare not undertake; but 'tis certain fuch a relation would require a Facility of Contorfions in the

a relation would require a Excility of Connections in the Mooth, to wish to near Strangers.

To give a just and precife idea of the Promoniestice of a Leaguage, if feem secolary to fix, at nearly as possible, at the kevest Seende employ if in the Promoniestice of that Language is The IRM IR. Associate is not in this American in the Language is the most interest of the IRM in the American in the IRM in th twenty-nine in the Italian, thirty in the German, twentytwo in the Spanish, and twenty-four in the English. See ACPHABET The French Language is clogg'd with a difficulty in Pro-incistion, from which most others are free; and it con-

munication, from which most others are free; and it con-nits in this, that most of their Words have two different Pronunciations; the one in common Profe, the other in

Veric.

In Treft, e. gr. they omit the Promociation of the final in the Hursl of Nouns, and of the 1 in the third Perfon of the Hursl of Nouns, and of the 1 in the third Perfon of the Hursl of Nouns, and of the Hursl of Nouns and Nouns

LISH, FRENCH, &C.

PRONUNCIATION is also used for the fifth and last part of Rhetoric, which confils in regulating and varying the Voice and Gesture agreeably to the Matter and Words; so, as more effectually to perfuade, and touch the Heaters. See RHETORIC.

The Pronunciation is of fuch Importance, that Demo-fibenes call'd it the first, the second, and the third Part of Eloquence.

Quintilian defines the Pronunciation, Vocis & Vultus & Corporis moderatio cum venustate; a decent, agreeable manner of managing the Voice, Gesture, and Action of

manner of managing the Voice, Geflure, and Action of the whole Body. Gleera, formewhere, calls it quedam Corporis Eloquentia, a certain Eloquence of the Body 3 and in another Place, Sermo Corporis, the Language, or Speech of the Body. Promunication is the fame with what we otherwise call

Aftion. Sec Acrio Atton. See Action.

Some Writers, particularly Mr. Henley, confound it with Electrics, which is a very different thing. That Author, when he thighe himfelf Referre of the switest Electrics, means of the antient Pronunciation. See Electrics.

There are three Things which come under the Fronus-riation; the Memory, Voice, and Geffure. See each under its proper Atticle.

Angulus, to avoid being balk'd by his Memory, and at the fame time fave the trouble of getting off by Heart, used to harangue from a Writing; as we are told by Dio and Suesomus.

and Australia.

PROOF, in Arithmetic, an Operation whereby the Truth
PROOF, in Arithmetic, an Operation whereby the Truth
and Justices for a Calculation is examined and stereraind.
See CALCULATION.
The proper Prop is always by the contrary Rule: Thus
Subfirstlism is the Prof of Addition, and Multiplications.
Divisions a and view cory?.

TION, &C. The Proof of Multiplication by 9 or by 7, are precarious. Sec MULTIPLICATION.

There would need no Proofs in Arithmetic, were it not that a Man is liable to make Miffakes; for all the Rules and Operations being built on Demonstration, 'tis thence we are affored of their Truth and Certitude. See Dr-NETRATION

The Proof, then, does not confirm the Rule, but only fliews us whether or no we have apply'd it right. SeeRule. Proor, in Law, Logic, Sr. the Mediums, or Arguments used to evince the Truth of any thing. See Truth.

PRO PRO

In Law, a literal Proof, or Proof in writing, is preferable to a Tethinonial. The Ordaniance de Mouling excludes all Proof by Witneffes for Loans of above reco Livres. See

EVIDENCE, WITNESS, TETIMONY, Sc.

The Proof of Crimes was satisfully effected among our
Ancestors, duren ways, viz. by Duel or Combat, Fire,
Water, Sc. See Purgarion, Dure, Fire, Wayer,

The Freef by red-hot Iron was very frequent: The Accord, to purge himfelf, was here obliged to make an Oarh as he rouch'd the Iron. The Formola, Ceromonics, Prayors, &c. made on this Occasion, are fill extent in the Notes at the end of the Capitularies of Charlemaign. See ORDEAL

This Cuftom was abrogated by the Emperor Frederic ; This Cufforn was abrogated by the Imperor Progres y but fill abrains in Mingrites, as we are told by Leamberri, in his Relation inferred in Theorem's Voyages. If they cannot have Prof of a Crine, a Crofs is laid at the bottom of a Caldron fall of boiling Water; out of

which the Accused is obliged to fetch it with his naked Hand and Arm: This done, the Arm is part up in a Bag, sied, and feel'd; and three days after open'd; when, if there be no Marks of the Burn or Scald, the Accused is declared lunocent.

clared Innocent.

It the Kingform of Jime, to have Dropf of a Crime, the Tary's obbliged over this Indian's including Oil, or to walk rary's obbliged over this Indian's including Oil, or to walk the control of the Indian over the Indian over the Indian of Indian obbliged over the Indian over the Indian obbliged the two controling Parties to Phapique usker Warst's and he who first where longedt, gainst parties with Indian obbliged or Indian obblight or Indian obbliged or Indian obbligation of Indian obbligation obbligation of Indian obbligation 
Jens ; to have Proof of Adultory.

The Proof by Combat is likewife faid to fubfiff among the Mingrelians. See Compar.

ne Mingrelians. See Compar.
PROPAGATION, the Act of Multiplying the Kind 5 rof producing the like in the way of natural Generation. Sec GENERATION.

Some Plants are only propagated by Souring; as Wheat, withers and dies away, and confequently is incapable of being planted: And as to the Root, the whole Force and Effect thereof paffes into the Ear, or Spica, which being the ufeful part of the Plant, exhausts the whole. See SEED and SOWING.

Sometimes Plants are propagated by the Roots, as the Anemonies, &c. In which Cafe, there is a confiderable Stock of Seminal or Spermatick Virtue flill referv'd in the Root, fo as to be in a condition for shooting new Fibres

upon any favourable occasion. See Roor.
Sometimes, a Branch lopp'd off, and fet in the Ground,
shall shoot into a new Plant; as we see in the Willow, Vine, shall shoot into a new Flant; a swe (see in the Willow, Vinc, Poplar, Ed. And fometimes a Trancheno fhall do the fame. In this Cafe, the Plants being of a very porcus Tex-ture, readily imbibe Nourishmeat, and take Root. This Method of Propagation is particularly temarkable in the Vinc, any part of which put any how in the Ground, will become a Plant. The little Chips of Elm are faid to do

the fame. See BRANCH and PLANTING.

When a Branch or Arm of a Vine shoots too great a length, or withers towards the Extreme, or grows too small to feed its Grapes, 'tis usual to cut pieces of it off, and put 'om

feed its Grapes, this official to cat pieces of it offi, and put 'on in the Ground's which receiling grows mo thriving Planess. Nay, insectimes, to bring any young Planes, and mask which was a small client Teces in the pulsa it leasth or follows of word of the contract which being furnish a with rood both from the narth ago the parent Plant, grow at a great nite, and are food in a Coedition to be feparated from the Parent, and shift for themfelves. See Spoot, Dwarf, See. Lasily, Plants are fometimes, also, propagated by Bulbs.

PROPER, fomething naturally, and effentially belong-

The School-Philosophers, after Peophyry, difftinguish four kinds of Propres, or Modes of Propriety; which are expected in the following Verfe:

### Eft Medicus, Bipes, Caneftons, Rifibilifque.

The first, call'd PROPRIUM prime made, is what agrees to a fingle Species, but not to all the individuals: This they call fell fed non omni. As, to be a Geometrician, a Physician. a Divine, &c. which are things proper to Man; but not to all Men

he fecond, Paorarum fecundo modo, is what agrees to the whole Species, but agrees likewife to another: which they call comi fed non feli.

Thus to have two Feet is proper to a Man, but is likewife.

oper to a Bird The third Paorntum tertio medo, is that which agrees

to a fingle Species, but not at all times ; owni & feli, fed non

to a fingle-Species, but not at all times; somitif \$\textit{Bij}\_{ij}\$ designed in the grown gers, according to \$\textit{Perior}\_{ij}\$ to grow gers, according to \$\textit{Perior}\_{ij}\$ to grow gers, accorded as \$\text{Ans.}\$ to the size of the si

The first three Species are only Accidents of the fifth vulgar Predicable, to which they directly belong. See

REDICABLE.

The fourth is an Univerfal agreeing to every individual, as to be always found abfolutely in the Species alone, but not at every determinate time: Thus Man alone is notat

not at every determinant time: Thus man alone as non-rally rifible; not that he is always Louphing, but has the Facuity of Laughing at all times. See Defaution. Propers, in respect of Words, is understood of their im-mediate and particular Signification; or that directly and peculiarly attach'd to 'em

In this Scufe the Word flands opposed to Figurative and In this Scrip the word trained opposed to regurarive and Metaphorical. See Flower Arthyrs, Sc.
Provers is also laxly used in a Meral Scrie, to denote formathing that is usually found in Things; as their particular or frecise Virrect, Sc.
In this scrip we say, Magnanimity is the proper Virtue

In this feele we fay, Maganainty is the proper Vitus of Henco. See Hance for the name Organities occuling of Henco. See Hance for the name Organities occuling to facced in a thing, In this finals we fay, People of a bat, vignous Temperament are proper for the Amery, the cold and phlegmanic are proper for found; The Ranson became left proper for Wan, in propersion as they government of the propersion of th

APPELLATIVE.

The Fright Name among Christians in that imposed as The Fright Name among Christians in that imposed as Deptime, See Name a mong Christians in that imposed as Deptime, See Name and See Na So that Propris always return to the Line whence they

The Origin of the Law which fixes this difference be-tween Propers, and Acquells, is not known; neither the tween propers, and nequents, is not known; nettner ne Gretknow Romesti having over made any fuch diffineltion. Indeed, it feems founded on this Prociple of natural Equity, that Men are infually defirous to preferre and attach to their Family, the Goods they have received from their Fern-fathers; and to transfmit them to those defeating from the fame Stock.

PROPER formerimes, also, stands as a Reduplicative, ferving to mark or design a thing more expressly, and formally.

In this feafe we fay, Jefus Christ came to redeem the World in his proper Person. The King did such and fach a thing of his own proper Motion. PROPERTY, or PROPERTY, that which conflictes of denominates a thing proper; or, it is a particular Virue, or Quality which Nature has beflow'd on fomething. So

PROFER.

Thus, Colour is a Property of Light; Extension, Figure,
Thus, Colour is a Property of Light; Extension, Figure,
Divibility, and Impenerability, are Properties of Baly.
See Cotours, Bony, E.c.
Every Day discovers new Properties in the Load-Bone.

PROPERTY, or PROPRIETY, in Law, firstly speak-ing, is the highest Right a Man can have to a thing; and such as no ways depends on any other Man's Courtely. See Right.

See Kinny.

In this Scale, none is our Kingdom have the Property of any Lands or Tenements, except the King, in Right of his Crown; all other Lands being of the naure of Fee, and held of the King either mediately or immediately. See Fee King See FEE, KING, &C.

(893) PROPRO Propriety, however, is used for that Right in Lands

graphety, noweer, is uted for that Right in Lands and Tenements which common Perfons have; importing as much as Utile Daminium, the not Directium.

There are three Manners of Right or Property; viz. Property stollow, Property qualified, and Property pofessors. See Properties and Fig.

GERGY. See PROFILETOR and FEE.

Incumbents have not the Propriety of Benefices, they have only the Enjoyment thereof. See BEREFICE.

The Monks have a long time differed whether they had the Propriety of the Bread they eat, or only the Ufe.

One may give the Propriety of an Eflate, yet referve the Ultimats, by the Deats of the Ulfareshart the Ultimats.

folidated to the Propriety. See Consolidation. PROPHECY, a Prediction, made by Divine Inspiration. See Propert and Inspiration.

A late Author observes, that the Christians have this in

common with the Pagans, that they equally build their Religions on Prophecy and Divination. See DIVINATION

He adds, That Divination was an Art learnt by the Ro-seast in Schools, or under Difeipline; as the Jews did Pro-pletifying in the Schools and Colleges of the Prophers. In these Schools, as the learned Deducil observes, the

Candidates for Prophecy were taught the Rules of Divina

In these schedules, and teached Moderate converse, the imp, realified by the Bleathens who were in pofficion of the Art long before 'em. 'The solded, that the Grit of intermediate and the sold of the sold of the cored and Elikhilimoust of an Order of Trophesa in the This is certain, form some prafitiges of Grouper, that there were great Numbers of Prophesa among 'em, who are only light, but even in the differency of lot Goods, and invi-ling of Fertness. See Anyou'st, Oraces, \$6:, "The Completion of the Surjease, Prophesics" in the Pro-phess of the Grid Tellimonet are fropted Profilitions of the to the System and Profiles of the south of the Completion of the completion of the to the System and Prophesics' in the Pro-phess of the Grid Tellimonet are fropted Profilitions of the completion of the Surjease, Prophesics' in the Tellimonet are fropted Profilitions of the System and Electron as follows in on the Fronciple crinice the Truth of he Million's But many as a complete the complete of the Complete of the Complete of the System and Prophesis of the System and the College of the System and the College of the System and the College of the Co

infect Traths thas superf from the Old, in the New Tellsment; a part formittees on the Low Sund in the Old; a store and the Tell; a store that the Tell store the Tell store that the Tell store the Tell store the Tell store the Tell store the Tell cast has Name Limenus! But the Words, as they fined in Ifaitab, whence they are furposed to be taken, do, in their obvious and literal Senfe, relate to a young Woman who was to bring forth a Child in the Days of Abnas; as appears from the Centext, and as is owned by Gresting. Hasting, Castalio, Curvelleus, Episcopius, Hammond, Simon, below Lewes Lewes and the Control Lewe

le Clerc, Lamy, &c.

This Prophecy, then, not being fulfill'd in Jefus, in the primary, literal, or obvious Senie of the Words, is sup-posed, like the other Prophecies cited by the Apostles, to suded, like the other Prophetics cited by the Apolites, to be fulfilled in a Fecundary, spieles, or allegoried Serleig, i. e. this Prophety, which was full litterally fulfilled by the Blint of the Prophety Sons in the Time of Lines, was again fulfilled by the Blint of the Prophety Sons in the Time of Lines, was again fulfilled by the Blint of Typhity as being an Deven of the Blines kind, and mented to be fuguited either by the Prophety, or by God who directled the Prophety Speech. Great the Control Service with the the Control Control and the Control Control and the Control Control and C

refer even the famous Prophecy in Daniel about the Sestere even the tamose Proposes in Daniel about the Se-venty Weeks to the Times of Amicohus Espiphanes; shew-ing, that the Exprediens taken thence by Christ, and arged by him as predicting the Deftruction of Perujalem by the Romans, have only in a fecondary Senfe, a respect to that

Commentaries; and has accordingly published to the World, the Rules whereby the Apostles quoted the Old Teffament.

Tellament. But the trath is, these Rules are too precarious, flrain'd, and un-natural, to gain much Credit. See Quoraxion. Mr. Wrighter condemns all allegorical Explanation of the Puppheness of the Old Tellament cited in the New, as weak,

Puphwards the Old Tehmenctical as the New, a weak, emulacising 56. And adds, that is a double Senie of the Propheries the allow 46, and shee he is no other Michael of Propheries the allow 46, and shee he is no other Michael of Andrews 46, and there he no other Michael of the Andrews 46, and the Andrews 46

See BIBLE.

See Birst. 1

His Hyperson in, her the appoillemands taker CoverHis Hyperson of Archive and His Hyperson in His Hyperson of Archive and His Hyperson in Hyperson

rences and Isconfiltencies between the Old and New Teins ment in relgeld to the Words and Senie of thosic Questions. One Strawn and Market Companions of the Strawn and Market Companions were introduced, before, the Few in the Second Contanty greatly corrupted and atterd both the Heleres and Sepungajus, efforcially in the Profester sized by the Apollets, to make the Apollets, or that Commany, and the Companion of the Companion o

her yes inodrzene hand one or hele compred Cappes of his Sepangan, who have frozen minking for genanie, inferred in Georgeanie, fragrenie in Cappes in the Cappes of the Sprengins: And that in the cod of the Gardina Cappe of the Sprengins: And that in the cod of the Carlot Cappes of the Sprengins: And that in the cod of the Carlot seekers and the Cappes of the Cappes of the Cappes of the seekers of the Cappes of the Cappes of the Cappes of the Part Difference, then, between the Old and New Tellument in religion to the find Questions, he counted, more (now no before calling) but only between the pre-ferred carpenged Test of the Old and New Tellument: And, proposed to extra the Cappes of the Cappes of the Cappes proposed to extra the Test of the Old and New Tellument: A site in the Cappes of the Cappes of the Cappes of the Cappes to the Cappes of the Cappes of the Cappes to the Cappes of the Cappes of the Cappes to the Cappes of the Cappes of the Cappes to 
Days of the Apolites. From which Text thus reflored, he doubts not, it will appear, that the Apolites cited exactly, and sagaed juilly and logically from the Old Teitament. But this Scheme of accomplishing Profession, is absents under Difficulties at leaft as great as the Altegorical Scheme. He Foundation is incredible, and its Superiturbure, from first to last, precarious: In effect, 'is increosevable the Old Teitament hould be for corrupted; and it is zero made ap-Teliments flood be for corograph 3 and it in term made appear, that the Hirterwand Sprangagin diagreed in the Times of the Apolitax is Add to this, that the Mean whereby he proposite to retirine to the Text, with the Text whereby he proposite to retirine to the Text, with the Text whereby he produced to the Text and 
DIVINATION

Among the Canonical Books are those of fixteen Pro-Among the Canonical Books are thefe of fixteen Pre-perts four of which are denominated the greater Preplexs, viz. Ifisiah, Germinh, Eachtel, and Zhanie's fo cell'd from the length or extent of their Writings, which exceed those of the others, viz. Helps, Toel, Jinsi, Obadish, Jones, Micha, Nahum, Halbaken, Hoggai, Zacherish, and Ma-lacht's who are call'd the lifter Yerophric, from the floor-ted of their Writings.

nels of their Writings.

The Jewis only reckon three greater Prophets; Daniel they exclude, as no more to be rank'd among the Prophets than David: Not but that both the one and the other foretold many important things; but becaute their manner of Life differ'd from that of the other Prophets, David being a King, and Daniel a Peer.

In the Greek Church, the lefter Prophets are placed in order before the great ones apparently because many of the lefter Prophets are more authentitum the greater.

Among the Greeks too, Daniel is rank'd among the lefter

Profibsts In the 48th Chapter of Ecclefiaficus, Ifaiab is particularly call'd the great Prophet; both on account of the great things be foretold, and the magnificent Manner wherein he

Spinosa fays, the feveral Prophets prophetical according to their refpedive Humoure; Jeremiah, e.gr. melancholy, and dejected with the Miferies of Life, prophetical nothing but Mintortuces.

Decier observes, that among the Antients the Name Poet is sometimes given to Prophets; as that of Prophet is at other times given to Poets. See Pour. at other times given to Poets.

The Word is derived from the Greek pars, faid 3 whence the Latist derive their fatts, spoken. See VATES PROPHYLACTICE, TOPOLARYTHE, that part of the Art

of Medicine which directs the preventing or preferving from Difeases. See MEDICINE, PRESERVATIVE, See PROPITIATION, in Religion, a Sacrifice offer'd to God to offuage his Wrath, and render him propitious. See Sec SACRIFICE.

Scalification and public services were both ordinary and public Sacrifices, as Hulocaulis, Gr. offired by way of Thankfuguing at Caromanny cost office by particular Perform guilty of any Crime, by way of Prophilations. If it were a Common of ligenance, they offired a Lamb or a Maly if done mittigally, they diffied a Sheri's at the Prophilation of the Caromanny hes allow of no Propitiation but that one offer'd by Tefus Christ on the Cross PROFITIATION is also a solemn Feast among the Jew

celebrated on the tenth of the Month Tifri, which is their feventh Month, and answers to our September.

terents Month, and aniwers to out Néptember. It was infiltrated to preferve the Memory of the Pardon proclaim'd to their Fore-fathers by Mögir on the part of God; who thereby remitted the Paulifiment due for their Worfhip of the golden Call.

PROPITIATORY, among the 5/evs, was the Core to reflect, with the control of the Core to 
Wood to be feen. See Ann.

Some even take it to have been one piece of maffive
Gold. The Cherubim fpread their Wings over the Pro-

pitiatory.

This Propitiatory was the Type or Figure of Christ, whom St. Paul calls the Propitiatory ordain'd from all

Aget.
PROPLASM, Proplasma, mornanges, is used for a Mould,
wherein any Metal or fost Matter, which will afterwards
grow hard, is cast. See Mould.
PROPLASTICE, merganesses, the Art of making
Moulds, for cashing things in. See Mould, Founderry,

PROPOLIS, a Virgin-Wax, of a reddift or yellowift Colour, wherewith the Bees flop up the Holes and Crannies of their Hives, to keep out the cold Air, \$2e\$. See Wax.

The Propolit is a Tisable Matter, effected flowering in the November 1 in all and a matter \$100. Difeases of the Nerves. It is also used to make Holes in Absentes; and being heared on the Fire, its Vapour is received for investrate Coughs.

civid de intercente. Combin.

REOFORTION, in Arithmetic, the Identity or Simili-rule of two Ratios. See Ravro.

Hence, Quanties that have the fame Ratio between em, are find to be Propertiest e. ogr. If A. be to B. 5; A. 4; D. and 15; and I for the Propertiest, or are famply called Propertients. See Paccara Towas.

Properties in Greenerly, confensable with Ratio; yet have the two, in reality, we different these yether depositions.

by all means to be diffinguished.

Ratio is, roperly, that Relation or Habitude of two
things which determines the Quantity of one from the
Quantity of another without the Intervention of any third;
Thus we fay, the Ratio of 5 and 10 is 53 the Ratio of 12 and 24 is 12

13 and 24 18 12.

\*\*Properties is the Samone's or Likeness of two such Relations: Thus, the Relations between 5 and 10, and 1a and 24 being the fame, or equal 5 the four Terms are faid to be in \*Properties\*. Hence, Ratio exists between two

Numbers; but Proportion requires at least three.

Proportion, in fine, is the Habitude or Relation of two
Ratios, when compared together; as Ratio is of two Ratios,

Quantities. See QUANTITY. Quantities. See QUANTITY.

Proportion, again, is frequently confounded with Progression. In effect, the two often coincide 5 the difference between 'em only confifting in this, that Progression is a particular Species of Proportion, wherein the fecond of

three Terms is a mean Proportional between the other two, or has the fame Ratio to the third which the first has to

dd to this, that Proportion is confin'd to three Terms 

of the first Ratio is the fame with the Antecedent of the feed 3 as, if 3 be to 6, as 6 to 13. Sec ConstRNAL.

The Proportion is faid to be Differed, or Interrupted, when the Confequence of the first Ratio differs from the Antecedent of the first Ratio differs from the Antecedent of the lecond; as, if 3 be to 6, as 4 to 8.

Proportion, again, is either faid to be Arithmetical, or Generatival's as the Ration are.

Arithmetical Proportion, is the Equality of two or between three feveral Quantities.

Thus, 1, 2, 3; and 2, 5, 8, are in Arithmetical Propor-tion; because there is the same difference betwirt the Numbers compared, which are 1 to 2, and 2 to 3; or 2 to

5, and 5 to 8. If every Term have the fame Ratio to the next as the first has to the second; the Terms are said to be in continual

Arithmetical Propertion; as 5, 7, 9, 12, 15.

If the Ratio between any two Terms differ from that of any others ; the Terms are faid to be in Arithmetical Pro-Ratios of s and o being different from that of s and s. A Series of more than four Terms in Arithmetical Fre-

portion, form an Arithmetical Progression. See Pac-GRESSION.

## Properties of Arithmetical PROPERTION.

1°. If three Numbers be in Arithmetical Proportion, the Sum of the Extremes is equal to double the middle Term.
Thus, in 3, 7, 11; the Sum of 3 and 11 is equal to twice 7 5 Uib. 14. Hence we have a Rule for finding a mean Proportional

Arithmetical between two given Numbers; half the Sam of the two being the Mean required: Thus balf the Sum

of the two being in the state of 11 and 3, 2002. 14, 187 in Arithmetical Properties, the 2". If four Numbers be in Arithmetical Properties, the Sum of the Extreme is equal to the Sum of the middle Terms. Thus, in 2:3:4:5; the Sum of 5 and 2 is equal to the Sum of 5 and 4, vize. 7.

Hence, four Terms in Aruthmetical Proportion, are still proportional if taken inverfely 5:4:3:2 3 or alternately, thus, a:4:3:5; or, inverfely, and alternately; thus, 5:3:4:1.

3°. It two Numbers in articumental reportion be added to other two; she lefs to the lefs, 5°c. their difference is in a duplicate Retio, 1.e. double that of the refrective perseaded: "Thus, if to 3 : 5 be added 7 : 5, the Sums are 10 : 185 when the difference 4 is double the difference 4 is double the difference of the last Sum will be triple the difference of the last Sum will be triple the difference of the last Sum will be triple the difference of the last Sum will be triple the difference of the last Sum will be triple the difference of the last Sum will be triple the difference of the last Sum will be triple to t

If two Arsthmetical Proportionals be substracted from two others in the fame Ratio, the lefs from the lefs, &c. the Arithmetical Ratio of the Remainder is c. Thus from

the arithmetical Katio of the Remainder is c. Thus from 9:1 taking 3:5, the Remainders are 4, 4. Hence, it drivthmetical Proportionals to moltiply'd by the farme Number, the difference of their Produch; will coatain the first difference as oft as the Multiplic con-tains Unity. Thus 3:3; multiply'd by 4, produce 12, 20, whole difference 8 is equal to 4, times 4, the difference of

3 and 5.
40. If two Numbers in Arithmetical Propertion be added 4º. It wo Number in APPLEMENTAL PROPORTION be added to, or multiplyd by, other two, is another Ratio of the fame kind, lefs by lefs, &c. the Sums are in a Ratio which is the Sum of the Ratios added or multiplyd. Thus, a 14 and 3 19 being added 3 the Sums are 5113, whose difference is 8, the Sum of a and 6, the differences of the

Numbers given

Numeris given.

Generical Proportion, is the Equality of two Generical Ratios, or Comparisons of two Couples of Quinties. See Grownerical Proportion.

Thus 4:8:112:124, are in Generical Proportion.

The Action of 4 and 8 being equal to that of 1 and 4:1/6.

4 being containd as often in 8, as 12 it in 24. Again, 9.

3, 1 are in Geometrical Proportion , 9 being triple of 3, as 3 is of 1 If in a Series of Terms, there be the fame Ratio be-tween every two Terms that there is between the first and second; they are faid to be Continual Geometrical Pro-

portionalt: As 1: 2: 4: 8. If any two Terms have a different Ratio from that of the first and second, they are said to be in Disjunct, or Inter-

rupted Geometrical Proportion; as arc 1:4:3:6; where 2 is to 4 as 3 to 6 ; but not fo as 4 to 3. A Series or Progressi on of more than four Geometrical Proportionals, is call'd a Geometrical Progression. See PROGRESSION.

## Properties of Geometrical PROPORTION.

1º. If three Quantities be in continual Geometrical Pro services, the Product of the two Exercises is equal to the Square of the middle Term. Thus, in 6:11:11:12:12:12:14. Hence we have a Rule, 2. The middle Term. The special to the Square of 12, vis. 14. Hence we have a Rule, 2. To find a mean Geometrical Proportional between 2. To find a mean Geometrical Proportional between

two Numbers, e. gr. 8 and 72.

Multiply one of the Numbers by the other, and from the Product 576, extract the Square Root 24. This will be

the Mean required.

3°. To find a fourth Proportional to three given Numbers,
6. gr. 3, 12, 5; or a third Proportional to two given Num-

Multiply the fecond 12 into the third 5, in the first Case 3 and in the latter, multiply the fecond into itself. Divide the Product by the first 3, the Quotient 20 is the fourth Proportional fought in the one, or the third in the other.

The Solution of this Problem is what we popularly call the Rule of Proportion, or the Golden Rule, or Rule of

Three. See RULE.

Three. See Rull.

4°. If four Numbers be in Geometrical Proportion, the Product of the Extremes is equal to the Product of the two middle Terms. Thus in 2:51:41:0. he Product of 10and 1: is equal to that of 5 and 4, viz. 20. Hence, 5°. If four Numbers represented 4:0:1.5:6 db existing the first of the control of the con in ... is roar Numbers represented a: b:: b: d be either farithmetical, or Geometrical Proportion; they will also be in the same, if taken inversely, viz. d:c::b:a; or alternately, as a:c::b:d; o alternately, and inversely, as d:c::b:d.

as dististing.

6°, If the two Terms of a Geometrical Ratio be added to, or fabfireded from, other two in the fame Ratio, the lefs to or from the lefs, 60°, the Sums, or Differences, are in the fame Ratio. Thus, in 6:2110:5, where the company of the left of men Ratio is 2; 6 added to 10, makes 16, 23 3 to 5 makes 8; and 16:8 are in the fame Ratio as 6:3, or 10:5. Again, 16 being to 8 as 6 to 3, their Differences 10 and 5

are in the fame Ratio.

The Reverse of which Proposition is likewise true; vis.
if to or from any two Numbers be added or subfracted other two, if their Sums, or the Differences, be in the same Geometrical Ratio as the first two, the Numbers added or substracted are in the same Ratio. Hence,

[subtracted are in the lame Ratio. Hence,

\[ \gamma^0. If the Antecedents, or the Confequents of two equal
Geometrical Ratios 3:\( \phi\$ and 12: 24 \) be divided by the
Rume 3;\( \phi\$ the former Cafe, the Quotients 1 \) and \( \phi\$ ill)
have the fame Ratios to the Confequents 5 \( \phi \). 1:\( \frac{6}{14} \) and
\( \frac{4}{3} \) and in the latter, the Antecedents the fame Ratios to

a.4.3 and in the latter, the Antecedents the fame Ratio to the Quotients, vic. 3, 11:11:14.
8°, If the Antecedents, or Confequents of findlar Ratios a 16 and 3; 9 be multiply 19 by the fame Quantity σ 3 in the former Cafe the Packa 12 and 18 have the fame Ratio to the Confequents, viz. 12:61:18:93 and in the latter, the Antecedents have the fame Ratio to the Foodless, viz.

3: 6::319.
9°. If in a Geometrical Proportion 3:6::12:24, the Antecedents be multiply'd or divided by the fame Number 2; or divided by the fame Number 3; or divided by the fame Number 3. e Facta; in the latter, the Quotients will be in the fame

the receas in the latter, the Quotinos will be in the latter Proportion, via. 6: 18: 114;75, and 1: 5:14:13. 10°. If, in a Proportion 4:1::10:5, the Americalist of the first Ratto be to its Configuent at the Antecodent of the Iccord to its Configuent; then, by Compfilion, as the Sam of the Antecodent and Configuent of the first Ratio, is to the Antecedent or Confequent of the first 3 fo is the Sum of the Antecedent and Confequent of the fecond, to the Antecedent or Confequent of the fecond 3 viz. 6:2:1

the Americant or Output passes as the American Java 115; 1, of 6:14:15; 10: 114. If, in a Properties 6:4::15:10, as the Antecedent of the fift Ravie ire its Confequent; fo is the Antecedent of the other to in Confequent; then, by Dreigner, and the fifth Ravie is the first Antecedent of the Terms of the Inflat Ravie and the Inflat Ravie of the Terms of the Form Antecedent of the Terms of the forced Ravie volume of the Forms of the

of the feeded Ratio to its Antecedent or Contequent 5 org.
14:15:110: 67, 2:6:15:115.
13°. If, in a Proportion 4:2::6:3, as the Antecedent of the first Ratio is to its Confequent, to is the Antecedent of the first or its Confequent of the first of the Confequent of the first its confequent of the first is to another Number S, so is the Confequent of the first is to another Number S, so is the Confequent of the first is to another Number S. the fecond to another Number 123 viz. 2:8::3:125
then will the Antecedent of the first be to 8, as the Antecedent of the focond to 11 5 viz. 4:8::6:12.

of the first Ratio is to its Consequent; so is the Antecedent of the second to its Consequent; and as the Consequent of the first is oanother. Number 16 5 6 is another. Number 25 to the Americal and the forced, 272., 4 116 115 112. Then, to the Americal and the forced, 272., 4 116 115 112. Then, capanet of the Good, of the first be 16, as 5 to the Conference of th

the latter mot thele of the former, the Products will like-wise be Propertional, view, 31781 1108 163, 159, If there be feveral Quantities continually Proper-tional, A. B., G. D. Set. the first, A. Is to the third, G. in a duplicate Ratio, to the fearth, D<sub>1</sub> in a criplicate Ratio, Sec. of the first A to the feecade, and the second of the Sec. of the first A to the feecade and the second of the second o the difference of the first and fecond will be a

Proportional between the difference of the first and second Term, and the difference of the fecond and third, and Harmonical, or Mufical Proportion, is a third kind of Proportion, form'd our of the other two; thes: Of three Numbers, if the first be to the third, as the difference of the first and second to the difference of the second and thirds

the first and second to up difference of the second anathrie's the three Numbers are in Harmonical Proportion. Thus, 2:3:6 are Harmonical, because 2:6:1:1; 3. And four Numbers are Harmonical, when the first is to the fourth as the difference of the first and second to the diffe-rence of the third and fourth.

Thus 24: 16:: Iz: 9 are Harmonical, because 24:9: By continuing the Proportional Terms in the first Cafe, there arifes an Harmonical Progression, or Series. See 52-BITTS.

## Properties of Harmonical or Musical Paccention.

1°. If three or four Numbers in Harmonical Propor-tion be multiply'd or divided by the fame Number; the Products, or Quotients, will also be in Harmonical Proportion. Thus, if 6, 8, 12, which are Harmonical, be div by 2; the Quotients 3, 4, 6, are also Harmonical; and re-ciprocally their Products by 2, size 6, 8, tz.

Divide double the Product of the two Numbers by their Divice doubte the Product of the two Numbers by their Sum, the Quotient is the Mean required. Thus, (lappole 3 and 6 the Extremes 3 the Product of thefe is 18, which doubled gives 36 3 this divided by 9 (the Sum of 3 and 6) gives the Quotient 4. Where, 314.15 are Harmonical 38. To find a third Harmonical Proportional to two Numbers gives Numbers given

Call one of them the first Term, and the other the se cond; multiply 'em together, and divide the Product by the Number remaining after the fecond is fubilitacte!, from the Number remaining strer the lecood is fabilitated. Pro-double the first; be Quotient is a third Harmonical Pro-portional. Thus suppose the given Terms 3:4, their Pro-duct is divided by a (the Remainder siter 4 is taken for 6, the double of the fifth the Quotient is 6; the Harmo-

cal third fought. 4°. To find a fourth Harmonical Proportional to three erms given

Multiply the first into the third, and divide the Product by the Number remaining after the middle or freend is fubfirected from double the first; the Quotient is a fourth Term in Harmonical Proportion. Term in Harmonical Proportion. Thus, supposing the Numbers given 9:12:16; a fourth will be found by the Rule to be #4.

5°. If there be four Numbers disposed in Order; whereof one Extreme and the two middle Terms are in Arithmetical Proportion; and the fame middle Terms with the cal Proportion; and the name manner acting was and other Extreme, are in Harmonical Proportion; the four are in Geometrical Proportion: As here, 2:3:14:6, which are Geometrical; whereof 2:3:4 are Arithmetical,

which are Competents; and 3:14:6
6°. If betwist any two Numbers you pat an Arithmetical Mean, and also a Harmonical one; the four will be in Geometrical Proportion. Thus, betwist a and 6, an Arithmetical Mean, and the four metical Mean is 4, and an Harmonical one 3; and the four 2:3:4:6 are Geometrical.

21 3 1 4 6 ar. Geometrical.
We have this notable difference between the three kinds
of Properties; That from any given Number we can raife
a continued Anthrotical Beries heresting in rightness, but
the three three three three three three three three three
but not increasable; the Geometrical is both.
Gentre-harmonied Paro our rows; sharkfielding of three
Terms, wherein the Difference of the first and feeced, is to
the Difference of the feecoal and thind, as the third to the

Thus, 3,5,6, are Numbers in contra-harmonical Propor-

tion, because 211:16:3.

To find a Mean in Contra-harmonical Proportion between two Numbers: Divide the Sum of two Squares by the Sum of the Roots, the Quotient is the Mean requir'dthe Sun of the Squares of 3 and 6, vin. 45, divided by 9, the Top of the Head to the Nothril 5 the 18, to the Head to the Nothril 5 the 18, to the Head to the Nothril 5 the 18, to the Head the San of the Rosen, Girst 3.

Paranton runs it also faul for the Relation between unsequel Things of the fame kind, whereby their feveral Nored, but 4, to the premain Budden theory to the 18 of 
or Dimination or Dimination of Dimination of Dimination of Company of the Company

contracted in the lame Proportion.

The making of Reductions of this kind, is the great ufe of the proportional Computes. See Compasses. See also Renoution, and Dangesty.

Proportion, in Law. See Denneranno program percontracted in the fame Proportion

rionis.

itimit.

Paoron 7108, in Architecture, the juli Magnindo of the Members of each part of a Building, and the Relation of the forceal for the force of the part of the Company of the Pauline of the Building. See SYMMETRY. See all O BUTLING.

One of the greated Difference among Architects, M. Perzetti oblicives, is in the Propertiess of the Height of the Company of the Pauline of th

to which they are always to be accommodated. See En-TABLATURE.

In effect, there is fearce any Work, either of the Antients or Moderns, wherein this Proportion is not different; fome Enrablatures are even near twice as high as others-

Some Enablatures are even near evice as high as other-the Critic certin, this Preparties ought of all others to be most regulated; none being of greater Importance, as whether it is most facilities. Occurrent, Pacopartons is likewise understood of the Magnitudes of the Members of Architecture, Statuse, or the life, with regard to the Dilbacce whence they are to be view'd, the most packed of the properties of the Company of the histophysical control of the properties of the properties of the histophysical control of the properties of the properties of the histophysical control of the properties of the properties of the histophysical control of the properties of the properties of the histophysical control of the properties of the properties of the histophysical control of the properties of the properties of the histophysical control of the properties of the properties of the histophysical control of the properties of the properties of the histophysical control of the properties of the properties of the histophysical control of the properties of the properties of the histophysical control of the properties of the properties of the histophysical control of the properties of the properties of the histophysical control of the properties of the histophysical control of the properties of the pr

The most celebrated Architects are much divided in their Opinions on this Subject: Some will have it, that the parts ought to be enlarged in properties to their Elevation; and other, that they ought to remain in their natural Dimensions. See Syayu is

PROPORTION, in Printing, is the just Magnitude of the feveral Members of a Figure, a Group, &c. with regard to one another, to the Figure, the Group, and the whole Piece. See Painting.

Piece. See PAINTING.
Proportion makes one of the most important Articles in
the Art of Painting, the principal Subject it is employed
in, being the human Body's for which reason, the Carions
in that Art will thank us for the following Scheme of the

Rules and Laws thereof.

Ruice and Laws thereof.

By the way, let it be obferr'd, 1°. That to measure and fet off Proportions, we either divide the Module into twelve Petts, and fabblivide each of those into fort; or divide the Face into three Lengths of the Nofe; fabblividing each Length into twelve: Or laftly, divide the whole Face into three, and fubdivide each of those into four; which last

Method is what we shall here follow Mexhod is what we that here to tow.

2°. That the Multiplicity of little Measures are to be
studiosify avoided, because they confound; and because
they require great skill in Oftloology, to his justly.

3°. That in Mexalting, there he a regard had to the
Relievo, or Juttings out of Figures.

## The Rules of Proportion in Painting.

In the Proportions of a human Figure, regard is had to the Age, Sex, and Quality.

As to Age; we consider three Stages thereof; Infancy,

As to 2003, we combet three stages intered 3 Intancy, Youth and Manhood. For the fift; at three Years of Age, we count five Lengths of the Face, from Top to Toe; wie, from the Tip of the Head to the Bottom of the Belly, three; thence to the Foot, two; Breadth about the Shoul-ders, one Face, one eighth: and in the place of the Hips, one Face.

one Face.
At four Years, the Height is fix Faces 5, win, from the
Top of the Head to the Bottom of the Belly, three Faces
; thence to the Sole of the Foot, three Faces. The
Breadth about the Shoulders one Face 5, about the Haun-

ches, one Face 4.
At five Years, the Height is fix Faces 4. 3 abated, the her being flioreer. In Youth at swelve Years, we have two Proportions; the

one from Nature, which gives nine Faces for the Height; the Breadth about the Shoulders, two Faces; about the Haunches, 1 Face 5. The other from the anxique the Haunches, 1 Pace §. The other from the antique Statues, as that of Lacoson, 36, which give the Height, ten Facea §. the Breadth from one Shoulder to another, one Face §. at the Haunches, 1 §. at the place of the Mufcle, called Valles Externess, 2. The Thigh 1, the Knee § and call'd Vaffes Externus, a. The Thigh 1, the Knee † and a Subdivision, and at the Ankles 1. In the State of Manhood, when the Measures are atriv'd at

perfection; we reckon the Height ten Faces; the 1st, from

in the Next between the Clavicles is the 3d, to the Fig. of the Sounch, cell [1] derrillage Bufflering; the 4dh, to the Navel, is the 4th, to the Yearnalian Mulcless is those to the Kance 1s, and a much not be 80 cell for Foots—The 8s, tent of the Arms is the fance with the Heights wis from the Tip of the long Tinger to the Joint of the Winit, so Face is there to the Elbow 1s; there to the Justime of the Stoutler, 1s; there is the fare with the Arms is the fance with the Arms is the fance with the Stoutlering of the Stoutlery, 1s; there is the face to the Stoutlery, 1s, there is the first of the Stoutlery, 1s, there is the first of the Stoutlery, 1s, there is the first of the Stoutlery, 1s, the stoutlery is the stoutlery of the Stoutlery, 1s, the stoutlery is the Stoutlery of the Stoutlery, 1s, the stoutlery is the Stoutlery of the Stoutlery, 1s, the stoutlery is the Stoutlery of the Stoutlery, 1s, the stoutlery of the Stoutler

Arm gives ten: The Interests of the Arms to be adjusted by the Quality or Character.

As to the Breadth of the Figure feen Front wife; the Width of the Shoulders a-rous the Deltoides, is a Facet, Breadth of the pectoral Mufele, to the Joneture of the About the Haunches, where the Obliqui exter.

About the Haunches, The Thighs, at the

Arm, 1. About the Haunches, where the Obligate extra eria era, 17, and three Subdivinion. The Thights, 18 th Bigger Hales, 11 The Knee J, three Subdivinions is The Log at me thicked, a and 1 Subdivinion. The Extrange Control of the parts of the Knee, one; thence to the finall of the Leg-one; thence to the bottom of the Foot, one. The Breadth, thus: From the End of the long Fingtr

to the Wrift, one; thence to the Bend of the Arm, one; thence to the bottom of the Shoulder, one; thence aver to the other Shoulder, two; thence to the End of the other

the other Shoulder, two shence to the End of the othe long linger, there, and Popperries, may be added other, the their Popperries, may be added other, the their Should and the Hand is the Length of the End of the Hand is the Length of the Popperries of the End of the Hand is the Length of the Note, make a juli equintered l'impide. The Span the Note, make a juli equintered l'impide ! The Span or the Thigh, at the thicken, is double that of the thicken part of the Lega and trolle that of the final of the size of the Hand to the Note, the fame as from the up of the Note to the Chia. The distance from the Unit of the Note to the Chia. The distance from the Unit the Throat-pit, is the breadth of the Throat; the diffuse of the Centre of the Eye from the Eye-brow, the fame as the Prominency of the Notirils; and the Space between them and the upper Lip. The Length of the Fore-Finger, the fame as the Space thence to the Wrift; the Space from the tip

of the Fore-Finger to the Wrist, the Length of the Face. or too reversinger to the wrist, the Length of the Face.

For the Sex: The Proportions of Man and Woman differ in height; in that the Woman has a longer Neck; the
parts at the Becalls, and the lower parts of the Belly, bigger by half a part; which makes the fpace from the Break
to the Navel, less by one part; and the Thigh fhorter by
a third part.

As to breadth, a Woman has her Breafts and Shoulders As to breadth, a Woman has her Breatts and Shoulders narrower, and Haunches larger; and Thighs, at the place of their Articulation, larger; Arms and Legs thicker, Feet flerighter; and because Women are more fat and fleshy, their Muscles are lefs feen, and therefore the Contours mere fmooth and even

Young Maids have little Heads, long Necks, low or down Shoulders, flender Bodies, Haunches big, Legs and

Thighs long, Feet little. Young Men have the en have the Neck thicker than Women, the

Young Men have the Neck thicker than Women, the Shoulders and Beatla Integre, the Edily and Hausecheary rever, Legs and Thinghe fundariers, and Free Integre-rever, Legs and Thinghe fundariers, and Free Integre-rever, Legs and Thinghe fundariers, and Free Integre-rever, are considered for the American America

stree from Field and 24t.
Military Men, to have the Head little, Neck thick and
nervous, Shoulders large and high, Body and Paps elevated,
Haunches and Belly little, Thighs mustely, principal Mus-cles rais'd up and knit together at the Heads 4th Legs
(mooth, Peet flender, Soles hellow).
Nature is formerisment to Left and

Nature is fometimes to be felected, i. e. made up of part from various good Originals, to form extraordinary and perfect Figures for great and heroic Subjects, as in Roment Histories; giving, thus, a Character of Force fufficient to execute Actions agreeable to the Deferiptions the Poets, Go. make.

Es. make.

Laftly, fornetimes Nature is to be exceeded, as in Representations of fabulous Deities, of Heroes and Giants:

In

are to be fer out in Meafures agreeable to the Height; on-

are to be let out in incatures agreeable to the Height; on If diverifying them by their Bignefs.

In the Rule of Proportions, it is to be observed, that there is a difference in the Contons of some parts, when pat in different Potters. Thus when the Arm is bent, its larger than when straight; it he fame is true of the Foot

parger than when traight; the tame is true of the Foot and Kace, as is thewn by Loonardo da Vinci.

Rule of Padronton, in Arithmetic, a Rule whereby we find a fourth Proportional to three Numbers given.

This is popularly call 4, The Gilden Rule, and fometimes, The Rule of Three. See Rule.

innet, The Raine of Loves. See NULL.
Camples of Parorex rose, A Name by which the Prench,
and after them some English Authors, call the Sector.
See its Confirmation and Use, under the Article Ser one.
PROPORTIONAL, a Quantity, either Linear or Nomeral; which bears the fame Raine, or Relation to a third,
that he first deep not be Ground. Some Paragraphy.

that the first does to the fecond. See Proportion.

that the first does to the second. See PROPORTION.

1. To sind a fourth PROPORTIONAL to three given Linux,
AB, AC, and BD. (Tab. GEOMETRY, fig. 62.)
Draw an Angle FAG at pleasure; from A fet off the
first of the Linux to B3 from A, the second to C3 and from
B, to D, the third: draw BC; and in D make an Angle,

By o D, the chief a draw B G; and in D make in Angle, again & A B G; then in C B the fourth Treporterinal languly.

3. If a third Preparation be required to two given Lines, AB, and AG; make B D capital to AG; i.e. the AC Charge posted waves, i.e. AB, and AB i.e. AC : AC : CC AC and AB and B E; Gg, cc) just the two given Lines, into contained right Line, and buffed it in C. From C, with the exercised posted and action of the contained right Line, and buffed it in C. From C, with the exercised action of the contained fourth in the contained fourth in the contained fourth in the contained fourth in the Comparation have been also act as expensional when the Comparation have been also contained fourth in the Comparation have been also contained by the Comparation have been also contained by the Comparation have been also contained for the contained and the Comparation have been also contained for the Comparation of the Comparation have been also contained for the Comparation of the

in fearth of a Method, for finding two mean Propor-

See MEAN tionals.

The Antiques perform'd it mechanically, by the Mef The antenns person of it meaningsty, by the meaning lab, deferible by Europhius; and many of them attempted to give the Demonstration; fome by the folid Leet, as Microchaus; others by the plain Leet, as Niconsekst, Disclet, and in our Times, Vieta; and others by implicit Monthly and the control of the con cers, and in our lines, views and orders by implicit mo-tions, as Plate, Architat, Pappus, and Sporus; others ten-tatively, by the Defcription of Circles, as Hero and Apollo-mins, &c. But all in vain. See Problem and Quadra-

TURE.
4. To find a mean Proportional between reco Numbers:
4. To find a mean Proportional between reco Numbers:
Half the Sum of the two given Numbers is an arithmetiduct, a Geometrical mean Proportional. See Proportion Arithmetical and Geometrical

To find a mean harmonical Proportional. See Paopon-TION Harmonical.

PROPORTIONAL Compasses, an Instrument for the ready drawing of Lines, and Figures, in any given Ratio to other Lines, or Figures.

See their Confirmation and Uft, under the Article Com-

PROPORTIONAL Scales, call'd alfo Logarithmical Scales,

are the Artificial Numbers or Logarithms, placed on Lines, for the Eafe and Advantage of Multiplying, Dividiog, 5c, by means of Compafter, or of Sliding-Rules. See LOGARITHM and SCALE.

LODARTHIN and SCALE.
They are, in effect, only fo many Lious of Numbers, as they are call'd by Ganter; but made fingle, double, triple, or quadruple, beyond which they feldom go. See Numbers, Gentran's Scale, 85c.
FROORTHONALITY, Term used by Gregory & St.
Fracture for the Proportion that is between the Exponents of four Ratios. See Exposures and Katto.

PROPORTUM, PROPORT, or PURPORT, in our Law-

PROPORTUM, PROPORT, or PORFORT, in our Law-books, the Intention or Measing of any thing. Secundary Proportum diffi Chiragraphi inter ees confeil. PROPOSITION, Pacorostro, call'd alle Seuncia-tion, in Logic, part of an Argament, wherein forme Qual-tity, ether Negative or Fothers, is attributed to a Subject.

7108, in Logic, part or an argument, measure some year, cheer Negarieve or Pediric, is attributed to a Salipéd. He provincia define a Projection, a complett, conflicte Senence, indicating or experting founching either tree or falle, without ambiguity : —h, Xuntippe its led Wife, —If an Alfrich, the hat Wingt. Others, more Philosophically, define it a Special Wife of the Projection of the Pedial Confliction of the Pedial Confl

JUDGMENT. A Proposition confids of two Terms; the one, that, whereof we affirm or deny; call'd the Subject: The other the thing affirmed or denied, call'd the Attribute or

Predicate. See Surjact and Particate.

The two are either join'd, or feparated, by the Intervention of found Copular or Signative. See Copular.

Thus in the Proposition, God it just ; the Subject, God,

The Schoolmen call the two Terms the Matter, and the

The Schoolings can the two Terms the Matter, and the Copula the Form of the Prophision. See Foam, See Now, as Terms may be either fingular; or common, and universal; if the Subject of a Prophition be a common Term, taken in all its extent; the Prophision is called Universal: As, Every Atheigh is blind. See Universal.

Universal: As, Every Atheeft is blind. See UNIVERSAL. If the common Term be only taken in an indeterminate part of its Extent, the Proposition is call'd farricular: Ar, Same Atheefts are wicked. See PARTICULAR. If the Subject of the Profession be fingular, the Profession is call'd fingular: As, George is King of England.

See SINGHT AP

Those Propositions which have only one Subject, and one Attribute, are call'd furple; those that have several Subjects, or Attributes, are call'd compound. See Compound. Attribute, are carrel purple; those that have recent success, or Artibutes, are call'd compound. See Composition. A Syllogifin conflits of three Prophilical, Major, Minor, and Concludion. See Synthogosis.

An Enthymeme, of two. See Experimental. Divisions.

The Schoolmen make feveral other Species and Divisions of Propositions; as,

A PROPOSITION de primo adjacente, where the Subject and Predicate are both included under the Verb ; fuch are, Veni, Vidi, Vici.

A PROPOSITION de secundo adjacente, is, where either the Subject or Predicate is included in the Verb; as, I -I sprite.

A Proposition de terrio adjacente, is, where both the Subject and Predicate are express, and stand dittinct from Verb ; as, The King is just.

This Proposition is the Rule or Standard of all the other a

to that whatever Proposition can be reduced inserte, in regittimate a non-whate range, is not.

Propositions, again, are divided into three Classes: The
first, regarding the Matter; the second, the Ferra; the
third, the Thought.

Those of the first Class are subdivided into finite and in-

A finite or definite Proposition, is that which declares

mpaned asparet responsivious, is that which declared methods determinate on a Subject; as, Man is a Bipede.

The Wind is not vifible.

An infinite or indefinite Property 1710, is that where cither one or both of the Terms are infinite, or have a Ne-gative prefixed to 'em; as, Non hamo of allous Home

off non albus. A direct Professition, is that wherein a higher or more general is predicated of a lower and more particular 3 as, Man 1s an Animal. Others will have it, that wherein the Subject stands as a Matter, receiving, and the Predicate, 28

a Form, received 3 as, Peter is learned.

An indired? Proposition, according to form, is that wherein an inferior is predicated of a higher; as, div. Initiati. It Man. According to others, it is that wherein the Subject 1 stands as the Form, and the Predicate as the Matter;

jest flands as the Form, ar us, Hoery Rational is Man as, Revery Rational is Man. A fingle Processive is fisch, either Simply, or by Conjunction: Simply, when it affirms or denies one thing of one other thing as as, The Sam Joinet: By Conjunction, when feveral Prophilitions are join'd and coupled together; thus, The Sam Janes, and it is Day; are two Freightions, which conjoined make this one, If the Sam Islant, it is

Of fuch conjunct Propositions there are divers kinds, vis.

Of toth compact perspositions there are diversations, one, hypothetical, Dijunderive, Copolative, Efe.
Hypothetical Prophilition, is that confliting of feveral fimple ones, affected with fore conditional one; as, If the Sun to first, it is Night.

Dijunditive Prophilition, is that confilling of feveral, affected with a disputchive Conjunction; as, It is either Day

or Night.

A copulative Proposition, is that confishing of several affected with a Conjunction Copulative 3 as, Peter does not stand, and sit.

Some add, Distress or Adversarive Propositions 3 as, He

is rich, but coverous.

A compound Proposition, is that where one or both the Terms excite feveral Ideas in the Mind; as, A Man is Body and Sanl, and both together: Or, a Foundation, Walls, and Roof, are a House.

A manifold Proposition, is that confishing of feveral Sabjects; as, Peter and Paul preach'd: Or, feveral Predicates; as, Simon reads and walks: Or both; as, Peter

and Paul preach and pray.

In respect of Form, Propositions are divided into Affirmative, and Negative; True, and False; Pare, and

An Affirmative Panrosstrion, is that whose Attribute is

A Negative Pagrosyrion, is that whose Attribute is feparated from the Subject ; as, Man is not & Stone,

(898) PRO

A True Proposition, is that which declares a thing to be what it really is; or not to be what it is not. See TRUTH. A Fal@ Proposition, is that which fignifies a thing to

A Proposition is faid to be pure, when it implies or involves nothing befides its Matter and Form; as, Man is

rational.

A Modal Paorosition, is that which befide the pure Matter and Form, involves some Mode or Manner of Dis-position 3 as, It is necosity Man be rational. Hence, fach Proposition is laid to consist of a Mode and

sener, usen rroposition us land to consist of a Mode and a Dislien; if he Mode denotes foure Circumfance which dispose the Proposition; so, It is necostary: The Dislicon is the rest of the Proposition; that Man be rational. There are four of the Condocs very sumous, viz. Necosition, Possible, Impossible, and Contingents. See Necessity, Possible, Impossible, and Contingents. ceffary, Possible, Impe

Others produce other Modes, as true, false, certain, uncertain, probab'e, &c.

certain, procad e, ecc.

To modal Profositions, the Philosophers refer exclusive, exceptive, and restrictive Propositions; all which are denoted by a common Name, Expositive Propositions, because requiring some Explanation to make 'em clearly uncome requiring some Explanation to make 'em clearly uncome.

An Exclusive Proposition, is that denoted by a Sign, An Exclusive Proposition, is that denoted by a Sign or Character of Exclusion; as, only, foldy, alone: as, God alone is sternal; which is expounded thus, God is secretal, and no other Being beside him is fo: Peres only plays; which we expound, Peter splay, and does nothing

etys.

Every Exclusive Propolition is expounded by two Profofitions, one of which is affirmed, and the other denied.

Exceptive Proposition, is that denoted by an exceptive Sign 3, as plates, unless, Rec. Thus, Every Animal,

leften Man, is irrational.

Every Every Every Every Every Every Inc. The Second Conference of the Second Conference

bifile Mass, is irrational.

Every Exceptive Propolition is to be refolved, or expounded by three Propolitions; as that, e.gr. abovementioned, by thee: Every Animal that is not Man is irrational: Every Man is an Animal: No Man is irrational: rational.

Reftrillive, or Limitative PROPOSITION, is that affected with a restrictive Sign 3 as, according to, so far as, confider'd as, quatenus, &c. Thus, Man quatenus an Animal,

PROPOSITION, in Mathematics, is fome Truth ad-anced, and shewn to be such by Demonstration: or some Operation proposed, and its Solution shown.

If the Propositions be deduced from feveral theoretical Definitions compared together; as this, A Parallelogram is double of a Triangle, itanding on the fame Base and of the same Altitude; it is call'da Theorem. See Theorem. If from a Praxis or Scries of Operations, a Problem; as, To find a third Proportional to two given Quantities. See PROBLEM,

Indeed, in firstness, the Proposition is only part of a Theorem, viz. that which shews what agrees to such a Theorem, viz. that which shows what agrees to such a thing under such Conditions, and what not: In which sense is is distinguish'd from the Demonstration, which shows the reasons why the Understanding conceives that to agree to it.

Sec DEMONSTRATION.

Again, firiéily freaking, the Propagition is only a Mem-ber of a Problem, wis. that which shows what is required to be done: In which sense, it is distinguished from the Solution, which rehearses the several things to be done in order to effect what is required; and from the Demonstra-tion, which proves, that by doing the things enjoin d in the Solution, the thing required in the Proposition is truly done. Sec RESOLUTION

PROPOSITION, in Poetry, the first part of an Epic Poem, wherein the Author proposes, or lays down, briefly and in general, what he has to say in the Course of his

ork. See Porm, Eric, &c.
The Proposition, Perc Boffa observes, is to coetain the bare Matter of the Poem, i.e. the Action, and the Persons that are to execute it, both human and divine. This is what we have both in the Iliad, the Odysfee, and

the Karid. The Action proposed in the Iliad, is the Wrath of Achilles; that of the Odyffee, the Return of Ulyffes; and that of the Eusid, the Translation of the Trojan Empire

into Italy The fame Author observes, that the divine Persons are The fame Author observes, that the divine Persons are mard in all the three Proplicious. Hamer, e.gr. declares, that what happens in the Iliad, is by the Will of Jupiter; and that Apide was the Caule of the Quarter between Aga-passions and Activities: The fame Poet fave, 'reas Apidlo prevented the Return of Utyffe's Componines; and Virgit precises the Declarity, the Will of the Gods, and the Angel.

of Jame.—But they all three dwell, chiefly, on the Person of the Hero, as if he were the Matter of the Poem. See Hero, Yet there is fome difference, in this refpect, in the three Poems; in that Achilles is named in the Iliad; but Ulyfis, roems; in that Marias is named in the Inas; but Olyffer, and Marias are not: They are only pointed at, and that in fuch general Terms, as if it were supposed they were known

This practice feems to fall in with the first Intention of the Poet; who is to feign an Action without Names, and who, as Ariffeste fays, does not relate the Action of Achillest nor Ulyffst, nor Event, nor any articular Person, but of an universal, general, and allegorical Person. See FARLE and

ACTION.

Acrion.

Add to this, that the Character which the Poet is to give his Hero, and his whole Work, is experted in the Propagations both by Humar and Prayil. See Ginanacrin.

The whole Iliad is Anger and Violence a 'its Arbilla'. Character, and 'its what the Poem commences with Mirra dub's. The Odsifies prefents us in the first Verfe with

Mirry Zudi. The Odyffee pretents us in the first Verte with the Prudence, Diffirmutation, and Address which makes the Charseler of Ulyffei, and the Basinets of the Poems. And we see the Piery and Mildress of Zimeds in the beginning of the Latin Poems. Infigures. Pietate Virum.

As to the manner of the Proposition; Horses contents himself to prescribe Modelly and Simplicity; not to pro-mise much, nor raise great Expectations in the Reader. Don't begin, fays he, like that wretched Poet who fit out with, Fortunam Priami cantabo & nobile Bellum. much better is that of Homer, Die mihi, Mufa, Virum, &c. He does not frend all hit Fire at outce, and leave mothing but Smake: From this feelds beginning, you find I foun fie him rife to the Wonders of Antiphates, Scylla, Charybdis, and Polyphome.
The fame Modefly we find in the Proposition of the Engid: If that of the Higd be a little more furious, its,

perhaps, in conformity to the Character of the Poem, which is a Series of Violences and Extravagencies.

is a Series of violences and stravaganeses.

Add, that if the Poet be to fpeak with Madesty of his
Hero's much more is he to do fo of himfelf: Thus I'rgil only fay, I fing the Addien of Renes. Hemre begs his
Muse to fay or fing. How far does Claudian swerve from thefe Examples

- Audaci premere Cantu, Mens congesta jubet, gressus removete profani : Jam furor humanos nostro de pestere sensus Expulit, & totum Spirant precordes Phubum.

A short Poem, e. gr. an Ode, &c. wherein the violent Strain might be parfixed to the end; might admit of such a pompous beginning: Thus we sind Horace begin an Ode much after the Manner of Claudian:

Odi profassum vulgus, & arceo-Carmina non prius audita Mufarum Sacerdos, Virginibus puerifque canto.

But the length of an Epic Poem quite excludes all pomus Proposition

There is fearer any Fault we have yet observed a Proposition liable to, but there is an Instance of in the Proposition of Stating's Achilloid: He bids his Mass rehearse the Deads of Matinia Meanimous Son of Eacus, who was formidable over to the Thunderer. He adds, That he has worthily discharged a former Undertaking, and that Thebes ofteens him a Goond Amphion.

Magnanimum Eacidem formidatamque Tonanti Progeniem, & patrio vesitam fuccedere Calo Divs refer. -

Tu modo, si veteres digno deplevimus haustu, Da fontes mibi, Phabe, novos, &c.

PRO-PRETOR, or PRO-PRETOR, a Roman Magistrate, who having discharged the Office of Pretor as home, was feat into a Province to command there with his former pretorial Authority. See Parron.

The Name Pro-pretor was also given to those, who, without having been Pretors at Romes, were fent extraordinately into the Provinces, to administer Justice with the American Pretors.

thority of Peteus.

Some alfo give the Name Pro-pretors to those feet by
the Emperors into the Provinces, which, upon partition in
Apositis's time, fell to their Lot 3 as the Name Precental
was given to those fent into the Provinces that fell to the
People's fines. See TROCONDUL.

PRO-PREFECT, FRO PRAFFECTUR, among the RAMERS,

the Prefect's Lieutenant; or an Officer whom the Prefect of the Pretorium committee'd to do any part of his Office in his place. See PREFECT. In Gruter, p. CCCLXX, the third Infeription mention

(899)

PRO

Pro profells of the Prestorium under Grasian, in the City of Rasse and the neighbouring parts. See Partorium. PROPRIETOR, or Pasorium and the Property of Propriety of any thing. See Pasorium. Pasorium, in Law, is fiftely, fuch a one as bas, or patients only the pasorium of the pasorium

birrio est obnoxia.

The Term was formerly apply'd in a particular manner to him who had the Froits of a Benefice to himfelf, and his Heirs and Succeffors; as in antient time Abbots and Priors bad

had.

PROPRIETARY-Monks, were such as had referred Goods and Effects to themselves, notwithshanding their formal Renumerism of all at the Time of their Profession.

They are frequently mentioned in the Monath Anglie. See. manuscared, depreved of the Monath Monetes the Economic Control of the Monath Monetes and Monath Monetes and Monath Monetes and Monath Monetes and Monath Mona

fuerit, Ecclefieflica careat Sepultura, Co. Addit. inventus

ad Matt. Par.

PROPRIETATE Probonda, is a Writ that lies for him
that would prove a Propiety before the Sheriff.

For where a Property is alledged, a Replegiare properly
lies not. See Reflectare.

PROPRIETY, in Grammar, is, where the direct and
immediate Signification of a Word agrees to the thing it

is apply'd to.

In which fenfe *Propriety* is used in opposition to a figurative, or remote Signification.

PROPYLEUM, the Porch of a Temple, or Great Hall.

See Ponen.

See Foncer.

Hence the Word is afed figuratively in Matters of Learning for an histochelico, Appuarats, or Prodremus to fome
generate Work.—In this fence we day, the Prophysican of the
Jefains at Amwert, See.
The Word is Greek or producer, figurifying the fame thing.
PRO-QUESTON, Pan-quarton, the Quefor's Licutonan, or a Perfor who difficulty of the Office of Quefor in

tenant, or a Person was discussing a the Officer appointed by his stead. See Questron.

The Word is chiefly apply'd to an Officer appointed by the Governour of a Province to discharge the Questiore after the decease of the Questior, till the Senare and People onld fend a new on

Bhoeld lend a new one. PRO. ARTA, in Commerce, a Term functimes ufed among discribants, for Proportion. See Proposa 710n. Thus, when in fpeaking of any Understaking they fay, Each Perfon mult reap the Profice of failtin the Losi in Prosezta to this Interest; § tim mean, each shall gain or lose in proportion to the Sum he put in Stock.

PRO. RATA Portionity, in Law, fee ONLRAND of POTATA

PRORÆ Os, in Anatomy, a Bone of the Cranium, call'd

\*PRORÆ Øs, in Austumy, a Bone of the Cranium, call'd also Oucipita. See Or Occurring: PRORGGATION, the Adt of prolonging, adjourning, or puting, eff to sustner Time.

PRORGGATION, the Adt of prolonging, adjourning, or puting, eff to sustner Time.

The Parliament, it, that by the Proregation in open Cearth e-Sefficia is ended a self-feet hills a spatial on interest the Cearth e-Sefficia is ended a self-feet hills a spatial on interest the contraction of the Cearth e-Sefficia is ended as self-feet hills a spatial on the House, who had not the Royal Afface, must at the next Affaction's begin again. For every define of Parliament, in is Law a fervent laviaments. See Suszow.

If it he coal adjourned, then hards in osefficial said, example of the Parliament. See Suszow.

fequently, all things continue in the fame State they were before the Adjournment. See ADJOURNMENT.
This difference between Prorogation and Adjournment is

of no long flanding; antiently they were used as Synoni-muss—Prorogeter Curia de Hora in Horam, quenique placitum terminetur, MS de L. L. To Prorogue the Parliament the King goes in Person,

To Proviges the Variament the King goes in Perfor, with his Grown on his Head 3 and fends the Black Rod for the Heafe of Commons to attend him at the Bar of the Heafe of Lords; where, after giving an Anfwerto each Bill fignified to him, he makes a Speech; and the Lord Chancellor, by command, fignifies the Parliament to be Provinced. See FABLILAMENT.

PROSCENIUM, in the antient Theatre, the Pulpitum, or Eminence whereon the Roman Actors exhibited. See

The Profession and Possess Action Section of the Article Section 11 
their Parts. Among the Romans, the Professium and Pulpitum were

Among the Avenue.

Among the Avenue.

PROSCRIPTION, a Publication made in the Name of the Chief or Leader of a Party, whereby he promifes a Reward to any who shall bring him the Head of one of his

Scylla and Marius by turns proferibed each other's Ad-herents.—Under the Triumvirate a great part of the best and bravest of the Romans fell by Profeription.

The Term took is Rife from the Practice of writing down a Life of the Perfox Names, and putting it in public let from Practice and prac Poets very rarely have the Tolent of Prefe: The Habit wearing Chains fits fast upon 'em, even when the Chains

are off S. Euremond compares Profe-Writers to Foot-Travellers, who walk with lefs Noife, but more Security than the

The Word comes from the Latin Profa, which fome will re derived from the Hebrew Poras, expendit.

PROSECUTOR, in Law, is he that purfues a Canfe in other's Name. See Promoter.
PROSELYTE, a new Convert to the Faith. See Con-

The Term was much afed in the Primitive Charch— The Jeer, ree, had their Profester; who from Gentiles embeard Jindaijia.

The Word is pure Greek segmant @: which in Latin fignifies Advana; in English, Stranger, or one strived out of

againes savenas in Legups, orranger, or one striva out or another Country.

PROSODY, PROSODIA, that pare of Grammar which teaches and directs the Pronucision, and minner of Re-bearfal; markethe Accents, and diffinguithes the long and form will habe. Sen Gallacian.

fhort Syllables. See Grammar, Pronunciation, &c.
The Word is form'd from the Greek regarden, accine;

of mest and uste, Cantus, Singing Drokey is properly that Branch of Grammar which re-lates to Syllables; treating of their true Pronunciation in respect of Accent and Time. See Syllable; See also

ACCENT, SO The English Projecty turns chiefly on two Things; Numbers, that is, a certain number of Feet or Syllables. See NUMBERS.

NUMBERS.
And, Rhime, or a Similinade of Sound between the laft
Syllables of Verbs. See Rhime.
The Greek and Roman Pryfeldis were unacquainted with
Rhimes but no lise thereof, had fomething to make their
Verfe harmonious, without, viv. Quantity. See Quan-

Paffions, which feem to transport, and make the forget themfelves. There are two kinds of Propoporaia's, the one direct ; the other indirect,

the other indirect.

For an inflance of the latter: Juft Gods, Proteffors of
the Innocent, permit the Order of Nature to be interrupted
for one moment, and let tois Carcafe refinne the ufe of Speech, &c.

Speece, ecc. Inflances of the former are found every where, amor the Orators and Foets; that which follows, is a very beaut ful one, found by way of Epitaph on a Tumb-ftone: The dead Wife addreffes her furviving Husband, thes i

# Immatura peri : fed tu felicior, annos Vive tuos, con un optime, vive meos.

The Word is form'd from the Greek TETTATI, Perfon, and Tomm, I make, or feign. PROSPECT.

owner, I mass, of leigh.

PROSPECT:
PROSPECTIVE Glaft, See { Preserverive Glaft.
PROSTACHHERESIS, in Afternoony, the Distract tween the true, and mean Maion, or true and mean Place, or a Planet's called also Paparation of the Origin, or of the Centre, and simply the Paparation. See Equations, Or., which amounts to the Grant, Troflaphereff is the

difference between the mean, and equated Anomaly. See

difference between the mean, and equated Amounty, one Amountary. Thus, figured the Cricle A LM P.N. (Tab., Azracousary, Spr.), the or Orbit of the Eurah, formonded by the Article Article Properties of the Carlo for the Eurah is R: the mean Assembly will be the Arth A.P.R., or the Article Arti Place, in the Ecliptic, See PLACE, Se.

and hate, the Angle CLS, or CRS, is call'd the Prof-mapher oft; by reason it is sometimes to be added, and sometimes to be substracted from the mean Motion, that we may have the true Motion or Place of the Earth. See Kanns The Word is form'd from the Greek acids, ante fire-

Announce a sound from the extent Afford, and inferential and against, adempties.

PROSTATES, or PROSTATA, in Anatomy, a white, prongy, glandulous Body finance at the Root of the Penin 3 or just below the Neck of the Bladder; and about the Size

See GLAND and PENIS. Authors afcribe two kinds of Substance to the Proflata, the one glandulous, the other spongeous, or porous; which last feems nothing but a Congeries of minute Vesicle and Cells; thro the middle of which pastes the Vesicule Semi-

without any Communication therewith. It has excretory Ducks of its own, pretty numer

It has exercity Justia of its own, pretty numerous: 20 forsaf does not remember to have known them fewer than ten in the Profess of a Man in Dogs, they are fometimes an handred; each of which distinguis rifel into the Urchina; some above, some below the Captit Gallinaceur Each having its proper Caranele. See Executiva.

Cut of these situations within, slimy Hamour, secreted.

Out of these listes a swhith, itmmy stamour, tecreted in the glandalar part of the Triptata, and convey die to the Cavity of the Utether.

Cavity of the Utether.

Output of the Utether, and percept in the me of participation of the Capacity of the Utether, and percept it from being amon'd with the Actimony of the Uten in its Passage and the Capacity of the Cavity of the Utether, and percept it and to fere as a Vehicle to the Sond, in the time of Escalation. See Utains, Unstrant, 55Sonne take it for a third kind of Seed; but without mach some the seed of the Utether Capacity of the 
reason. See SEED.

Boerhaave thinks it may ferve to nourish the Animalcule

during the first moments after Coition.-This Humour, he during the first moments arter Coston.—It has Framour, he adds, remains after Castination, but is not prolifier.

The same Aurbur, from the Memoirs of the French Academy, makes the Frydiats to consist of an Aggregato of twelve Glands, each of which terminates by its exerctory Dact in a little Bag, into which it discharges its Humour. These twelve Bags open by as many exerctory

Ducts into the Cavity of the Urethra; so as to encompass the Exit of the Vesteries; whence the Seed and the Humour of the Proflate are the more accurately mix'd.

PROSTYLE, in the antient Greek Architecture, a Range of Columns in the Front of a Temple. See Temple.

The Word is form'd from the Greek wey, before, and ENA P Column.

PROSYLLOGISM, PROSYLLOGISMUS, is used by some School-Writers, for a Reason or Argument produc'd to strengthen, or confirm one of the Premises of a Syllogism.

See Premise.

Others define the Profyllagifin, an Argument compos'd of two Syllogifins to difpos'd, as that the Conclusion of the former is the major, or misor of the latter.

Ashere, e.gr. every Rational is rifible; but every Man is rational, therefore every Man is rifible; but no Afa is ri-

fible, therefore no Afs is a Man.

The Major of the fecond Syllogism may be omitted or underfood; and fome even contend that it ought to be fo: fo that on their Principle, a Profyllogifm, or redundant Syllogifm, is when two Syllogifms are to contain d in five Propositions, as that the Conclusion of the former, is the

fajor or Minor of the latter. See Syllingism. FROJAMIS, in the antient Drams, the first part of a Comic, or Tragic Piece; wherein the feveral Persons of the Play are fixen, their Characters and Manners intimated, and the Action, which is to make the Subject of the Piece, proposed, and entered upon. See Drama, Traggery, US.

The antient Pretafis might go about as far as our two first Sec Acr.

Where the Protofis ended, the Epitafis commenc'd. See The Word is form'd from the Greek resement, Protentio.

"The Word is found from the Greek crysme, Presengh."
PROTATICES, in the mainter Drams, was a level my PROTATICES, in the mainter Drams, was a level my property of the present of the large 
nd their Domesticks are secur'd from Arrests, &c. Sec PRIVILEGE, &c. PROTECTION is forestimes also understood of the Person

Protection is formatines and marked or the Protection of the Protection. Such a Cardinal has the Protection of Prance—The Protection of Spain is become vacual by the Death of facts a Cardinal. See Page 122.

Signification. Signification.

In the general, it is used for that Benefit, and Safety, which every Subject, Denisen or Alien, frecially feoral, which every Subject, Denisen or Alien, frecially feoral, in the feet of Signification, it is used for an Exemption or Immounty, given by the King to a Person, to Securities or Immounty, given by the King to a Person, to Securities and Signification in Man, or other Vestions, agon reached Carles moving him thereunto.

Of this, Firstheyers makes two kinds, the first he calls

Prosection, cum claufula volumus; whereof he mentions

four Particulars. 1°. A Protection, quie profecturus, for him that is to pals over Sea in the King's Service.

. A Protection, quia moraturus, for him who is abroad

in the King's Service.

3°. A Protestion for the King's Debtor, that he be not fued or attach'd, till the King be paid his Debt.

4°. A Protestion for a Person in the King's Service beyond

4". A Protection for a Person in the Ring's Service beyond Sca, or in the Marchas of Scotland. The fecond Form of Protection, is come classifile nothing which is most commonly granted to a spiritual Company, for their Immunity, from taking their Cattle by the King's Ministers; but it may be also granted to a single Person,

either spiritual or temporal.

Protedion extends not to Pleas of Dower, Quere impedia.

Affize of novel Differin, Darcein Prefentment, Attaints, our Pleas before Judices in Eyre. PROTECTOR, a Perfon who undertakes to shelter and defend the weak, helplefs, or diffrest d. See Protec-

TOR and PATRON God, and the Magistrate, are the Protestors of the Widow and Orphan Among the Heathens, Minerus was efteem'd the Presellress of Arts.

enteem's the Providing of Arts.

Every Catholic Nation, and every Religious Order, has a Providior residing at the Court of Rame, who is a Cardinal, and call'd the Cardinal Providior. See Cardinal.

The Name is fometimes also used for a Regent of a

Kingdom, made choice of to govern it during the Minority of a Prince. Crowwell affum'd the Title and Quality of Lord Protes-

Cropretell atturn'd the Little and Quanty of the Commenceally of England.
PROTEST, in Law, is used for a Caution, or Call of Wimels, or an open Affirmation that a Perfon does either not at all, or but conditionally, yield his Confent to any not at all, or ber conditionally, yield his Confent to any Act; or to the Proceeding of any Judge in a Contr, where in his Justification is doubtful; or to answer upon his Oath father than by Law he is bound. Any of the Lords in Parliament have a Right to proof her Differs to any Bill paid by a Majority, which Profess [9] is control in form. See Parliadalant.

reft is enter'd in form. See Parliament.
This Privilege is faid not to be very antient: The Commons have no Right to Protoft.
Paovisar, in Commerce, is a Summens made by a Notary Public to a Merchant, Banker, or the like, to diff charge a Bill of Exchange, drawn on him; after his ha-

refus'd either to accept or pay the fame. See BILL Exchange It is call'd Protest, because containing a Protestation,

It is call'd 270076, because containing a Protestation, that the Party will retorn the Bill, and even take up Money at Interedit; hand charge all Costs, Damages, Carriage and Recarriage, on the Refuser.

There are two kinds of Praceflt; the one for want of Acceptance; the other for want of Payment. See Acceptance;

The fift to be made by the Bearer of the Bill at the time of presenting it, in case the Person, on whom it is drawn, reinse to accept it for the time, or the Sum there drawn, retafe to accept it for the time, or the sum theoryper's — The latter is made as the Bill falledae, where it have been accepted or nor. See Acceptance.

The Bearers of Bills of Exchange, that have been ac-

cepted, or which become payable at a certain Day, are oblig'd to have them either paid or protofted within three Days after Due, on the Penalty of answering for the Omiffion; and it must be observed, that if the third Day happen to be a Holy-Day, the Protest is to be made on the Eve thereof.

At Paris and Hambourg, the Protest is to be made within ten Days: At Venice, where all Bills are paid in Banco.

in ten 1253: At Fentice, where all Bills are paid in Hame, the Protiff for want of Payment is to be made within fix days; but then the Bank is fuppord open, otherwise to Protiff to be made: At Row, Protiff to the most of Payment are to be made within fifteen Days: At Leglent, Millian, and Easilogue, there is no time fix of at Amplerdom, they are to be made within five Days: At Pointer, the third Day.

third Day.

The Negotiants of fome Places, as those of Rome, Mr. Savary observes, don't look on themselves as obliged to proceed in default of Payment; but this Dopinion is contrast to ambrerial Cashom and natural Reason; fince, till after Pravaglation, they have no Remedy or Resource against the Drawer, or Endource; nor any Title to be reimbursed. M.

M. Ricard adds, that Bills of Exchange drawn from M. REGARS 2003, that Dills of Exchange drawn from Amplerdam, of Amwork, or Spain, are to be provefled, in default of Payment, within fourteen Days after they fall due; after which time, the Bearer flands the rifque and chance of the non-protefled Bill, not the Drawn, or Enderfer; in cafe the Party happens to fail after the faid four-north Day. teenth Day

geenth Dys.

PROTESTANT, a Name first given in Germany to
shole who adherd to the Delrine of Janker, becaste, in
stray, they frighted against a Decree of the Emperestray, they frighted against a Decree of the Emperestray, they frighted against a Decree of the Emperestray, they frighted against a process of the Section
parallel to a General Council.

The Name has been fine x 616 prize to those who allow to
be Residents of Calvins; and in now become a
common Name for all those of the Referred Charlete.

Sec Levithana, Carvasary, 45.

Sec Levithana, Carvasary, 45.

Persentant with the Gelderigit, but with Leuteran

Persentant with the Gelderigit, but with.

Great Endearmors have been made to aniste the Latheras Prooffgants with the Calvinity, but in vain. Praor Estation, a folemm Declaration made by fome Judiciary AE or Proceeding against an Oppression, Vio-lence, or biputities; or against the Legality of a Sectence, Judgment, Decree, or other Procedure's importing that the Party is determined to oppose it at the proper time, Sc. Sec Paorts.

See Paorsar.

Proteglatine, in Law, is defined by Justice Walds,
Defines or Stategards to the Parry that makes it, from
Black and the Company of the Company of the Company

Proteglatine is a Ferro of pleading, when one does not
discitly either affirm or deep any attempt sailed, of by secretary

Proteglatine is a Ferro of pleading, when one does not
discitly either affirm or deep any attempt sailed, of by secretary

PROTIESIS, or Faorvatasis, in Grammar, in the geereal is affect for a Monaphian. See Markarakasse.

Bar is allo more purchasiry denotes a prefixing of founting at the beginning of a Vorday 2 in garactury.

This is also call'd Apposition. See Apposition,

PROTHESTS, or PROSTRESIS, among Surgeons, is the fil-ling up of what was before wanting: Such, e.gr. is the filling up of fillulous Ulcers with new Flesh. See Fisru-Lous, &c.

PROTURNS is also a little Altar in the Greek Churches, whereon a Ceremony is perform'd, call'd by the fame Name, wellen

Name, spónes.

On this Altes the Pieth, with the other Mindles, proOn this Altes the Pieth, with Calculate and Mindles,
the Bread, Wine, Gie. After which, they go in precelling from this to be great Altes, to begin Maris exprePROTHONOTIAKY, Parvicertary, or Francertavas, a Term property fignifying floy Marzy; and white
was strendly the Third of the precipal Notice; of the
With the Prothonotory is now offer Footlers of the
With the Prothonotory is now offer Footlers to the
Coarms of King's Bleeds, and Common Pleasy the latter
Favornous rays of the King's Want, records all Actions Civil, fleed in that Coarty as the Click of the Crosscoarms, 25c. COBD. Efc.

conn. Ge.

Favornovor-natis of the Common Pleas, enter and enold all Declarations, Pleasings, Affines, Judgments, and
Affines at they all or mick out all Judgment, and
Affines at they all on mick out all Judgment in the
in of the Jury Differings Pleasant, Wins of Execution,
and Stiffine of Depth States. Wins of Execution,
and Stiffine of Depth States of Printings (See They size all all
Recognizances acknowledged in that Court, all common
Recoveries y make Exemplifications of Records, 56Favornoveraxis, or Favornoveraxis, is also affine
in the Court of Recogn, who has a depose of Pre-emissions

over the other Notaries.

There is a College of twelve Prathonotaries, call'd Participantes, because partaking in the Fees of the Expeditions in Chancery.

an Chancery.
They are rank'd among the Number of Prelates, west
the Violet Rochet, the Hat, Gr. They afful at all grand
Geremonies, and have a place in the Pope's Chappel.
Their Office is to diffurch the Afts in grand Caufes,
which the fimple Apotholistal Novaries diffuseth in 16fer

Caufes: they may create Apostolical Notaries, and Doctors, to officiate out of the City-Those out of the College have none of the Privileges of

the others, except the Habit. The Prothonotaries were first establish'd at Rome by Pope Clement I. with defign to write the Lives of the Mar-

See NOTARY.

systs. Sec Noyany.

PROTHINGHUM, #c6wc/r, a Porch at the ontward Door of a Houfe, or Portal. Sec Ponent.

PROTHINGHNS, PROTHINGE, is also used by Pignols for a particular fort of a Key of an Arch, an Inflance of which we have in bis Josic Order; confishing of a Rell of Water-Leaves, between two Reglets and two Fillets,

crown'd with a Doric Cymatium; its Figure being much like that of a Modillion.

like dust of a Medillice.

Provinces in the societal Architecture, is femeriment for the Capath, or Corner of a Wall) and fonctioned for the Capath, or Corner of a Wall) and fonctioned for the Capath, or Corner of a Wall) and fonctioned for the Capath of Composition of the Capath of Ca

was usually in the Margin, but sometimes at the top of

was Bushy in the stages, the Page. The XLUvth Novel of Justinian, forbids the cutting of The XLUvth Novel of Charters which show'd the Year, wherein the Paper or Parkhment were made, and the Officer commission of for the Delivery of them; by means where-

Others will have Proposition to have been the first Mi-

mure, or Draught, or Summary, of an Act to be pass'd: which the Notary drew first up, in short, in little Table-Books, to be afterwards enlarg'd at leisure. See No-

PROTO-FORESTARIUS, was he whom our ancient Kings made Chief of Windor-Foros, to take Cognizance of all Causes of Death, or Mayhem there. See Forest

and FORESTER. PROTO MARTYR, the first Marryr, or Witness, who fuffer'd Death in Testimony of the Truth 3 as Abel in the Old Testamene; and Sr. Stephen in the New. See MAR-

The Word is compounded of agray, first, and marry,

Wittell,
PROTONOTARY. See PROTHONOTARY.
PROTOPLAST, PROTOPLASTU, a Title foretimes given to our Firli-fainer, Adam; from the Greek representation, q. d. first form'd. See Prayere.
PROTOTYPE, the Original, or Model whereon a thing is to be form'd. See Tyra.

See Type.

is to be form'd. Sec Tyrs.

Is a kindly did for the Patterns of things to be EngraBEOTATION.

ROTATION.

PROTECTION.

PR

VEYING. PROTRACTING Pin, a Mathematical Influment; or rather, an Appendage of an Influment call'd a Protraffer.

The Protecting Fig. is a fine Nocelle, fixed into a Handle; uice to prick off Degrees and Missaces from the Limb of the Protection. See Facts across. PROTRACTOR, as Inframear uiced in Suggery, to draw out any foreign or disgereable Bodies from a Wound,

or Ulcer, in like manner as the Forceps. See Fonezra, PROTRACTOR, is also as instrument used in Surveying ; whereby, the Angles taken in the Field with a Theodolite, Circumference, or the like, are plotted or laid down on

Present Set Province.

The Province of a Semi-circular Limb B A G (Tab. Suverince, Fig. 29). of Beais, Silver, Hon, or the like, divided into 180°, and fabrended by a Diameter.

B A; in the middle whereof is a little North or Lip, o,

call'd the Centre of the Protractor.

call'd the Centre of the Protratior.

On the Limb of the Protration are, fometimes, also placed Numbers, denoting the Angles at the Centers of regular Polyagons: Thus, against the Numbers, denoting the Sides of a Pentagon is found 72, the Angle at the Centers of a December of a December of the Center of a December of the December of the Center of the December of t tre of a Pentagon. See Polygon.

## Use of the PROTRACTOR.

i. To lay down an Angle of any given Quantity, or Number of Degrees. Suppose, e.gr. an Angle of 50° with the Line a DB, required on the Points. Lay the Centre of the Protection on the given Point, and the Diameter of the Protection on the given Line. Make a Mark against the given Degree 50, on the Limb of the Protectory; three which, from the given Point draw a Line op: This given

which, from the given Point draw a Line op; This gives the Angle required head of the Angle required head of the Angle required head of the Angle of

make a Dot against the Number of Degrees of the Angle artise Centre, viz. 72. Thto' this Dor, and the Centre of at the Centre, viz. 72. Thro' this Dor, and the Centre of the Circle, draw a Line cutting the Circumference of the Circle. To the Point of Interfection, from the Point where

PRO

Grate. To the Point of Interfaction, from the Point where the Diameter can the Gramafrence of two we glit Liter to Diameter can the Gramafrence of two we glit Liter in the Compaffence, and fet off as often as it will go, in the Gramafrence of the Gramafrence o from the Centre draw a Line. Apply the Protractor to the other end of the Line, so as the Centre be over the Extreme, and there fer off another Angle of 670 . From the Point and user fee or abstract Angle of 67%. From the Point where the two Lines that drawn interfeel, as a Centre, deferibe a Circle, with the interval of the given Line. The given Line will be one Side of the Octagon, which being fee off as often as it will go in the Circumference thus drawn, will give Points, which being connected, will form the Octagon connected. Octagon required

Cuesgo required.

Phormacros Interceed, is a Machine like the former, only furnified with a little mere Apparatus, whereby we are cashed to fee off an Angle to a Minuset, which is imprachicable in the other.

The chird Addition is an index fitted on the Centre, and movable thereon; on a to play feety and fieedly not to the control of the Centre of th over the Limb. Beyond the Limb the Index is divided, on both Edges, into 60 equal parts of the Pertiess of Gireles, increeped by two either right Lines drawn from the Centre, fo as each makes an Angle of one Degree with Lines drawn to the stillmed Points from the Centre—Now to fet off an Angle of any Number of Degrees and Minutes with this Protective's move the Index Es, that one of the Lines channed the Limb, from one of the forementioned Points, may be upon the Number of Degrees given: And prick may us a pust an Number of Degrees great: And Pirke off as many of the equal parts on the proper Edge of the Index, as there are Minates given: thus, drawing a Line from the Centre to that Point to prick do off, you have an Aegle with the Diameter of the Protractor, of the proposed Number of Degrees and Minutes.

Indeed, it may be of good Ufe to laydown an Angle to a Minute, when we are able to take it to a Minute: Eat till we have other-guife Nextles, and juster Theodolites, than are yet made, the old Protractor may ferve very well. See Thropolites.

PROTUBERANCE, in Anatomy, an Eminence, or Tu-sour that projects, or advances out beyond the roft. The Orbicular Protuberances of the third Ventricle of the Brain are call'd Nate; and the Apophysis of the Or-bicular Protuberances, Tosses. See Nates and Tastes. The Annular Protuberance is a process of the Medulla

Oblangata, in form of a Ring; whence its Name, first given

Oblogata, in form of a King; whence its Name, Her goes it by White. See Medulca Oblogata. PROVEDITOR, PROVEDITORS, or PROVEDITORS, an Officer in feveral parts of Hally, particularly at Penice. There are various kinds of Proveditors in Penice: as Pro-veditor of the Comments; who is nearly the fame with the Heiles among the Romans; the Centuls in Languedo; and the Sheriffs in other Caices. Of these Proveditors there

are three Proveditor General of the Sea, is an Officer whose Autho-Provided to reverse of the season of American Manne-rity exercade over the whole Fleet, when the Captain-General is ablent. He has, particularly, the Difpofal of the Cafin, and pays the Seasons and Soldiers. The Captain-General, and Provediers, are murally Spies over one another. This the Provediers be inferior to the General; yet is the Power. o divided, that one has Authority without Strength, the

fo divided, that one has Authority without Strength, the other Strength without Authority.

The Prometition alle Regions executive, alla Biave, alla Gigittia, bave the Direction of Matters relating to Policy throughout the Signory.

PROVEND, or PROVENDER, is properly a fortof Buffiel, or Veffel containing the Measure of Grains daily given to a Horse or other Beast of Labour, for his ordinary Subfishence. Hence Protender is become a general Name for all Food of Carrel.

In Monasteries, when the Religious go to Meals; they are faid to go to Provens.

Some derive the Word from the Latin Prabindo, Pro-bend. See Parann.
PROVER, in Law, Probator, an Approver; or a Perfon who, contesting Felony, appeals, or accuses another of the

He is thus call'd, because he must prove what he alledges in his Appeal; which Proof is either by Battel, or by the Country, at his election who is appealed. See Taral, COMBAT, EC.

39 Edw. 3: corans Rege, Ros. 97. Suff. A Man became an Approver, and appealed five, who all join'd Battel with him, and he overcame 'em all ; four of 'em were accor-dingly bang'd, and the fifth pleaded he was a Clerk. The

PROVERS, is defined by Cambden a concile, witty, and wife Speech; grounded upon long Experience, and containing, for the most part, force good Carear.

We are furnish'd with instances out of his own Collection : Such are, A close Mouth catches no flies.—A high Building, a lem Foundation.—A carrion Kite will never be a good Hawk.—A foort Horfe is from curried.—A Man may love his Houfe well, the be ride not on the Ridge.—A faife Knave needs no Broker.—Better to spare at Erim than at

PROVIDENCE, PROVIDENCIA, the Conduct and Di-rection of the feveral Parts of the Universe, by a superior,

rection of the leveral Yarts of the Univerte, by a superior, inclligent Being. Sec UNIVERSE.

The Notion of a Frontième is very antient, even in the Heather Theology we find Thakes mentions it. It is founded on this Supposition, That the Creator has not fo fixed, and aftertained the Laws of Nature, not fo connected the Chain of focund Caules, a not beave the World to itself; but that he fill preserves the Reins in his own hands, and occasionally inversence, alters, rettrains, infor-ces, fulpends, &c. thoic Laws by a particular Providence.

Indeed, fome use the Word Providence in a more general Sense; fignifying by it, that Power, or Action whereby the several parts of the Creation are ordinarily directed.

Thus Damafeenus defines Providence to be the Divine Will, whereby all things are order'd, and directed to the proper End: Which Notion of Providence, supposes no Laws at all fixed by the Author of Nature at the Creation; but that he referred it at large to be govern'd by himfeli out that he reteried it at large to be govern d by himlelt occasionally. See Nature. The Antients call'd Providence by the Names of Fate, Fortune, Nature, Definy, Neoffity, Stc. See Fare, For-

TUNE, &c.

The antient Egyptians feem to have been the first who The antient Egypriant teem to nave neem car was and had the Notion of a Divine Providence: Armébius obferves they reason'd thus,— "Providence is offensial of a Frince, that without it he cannot be, nor cove to call'd, "a Prince; and the more August a l'ttace is, the more perfect ought in its Providence to be. Since, then, God is perfect ought in Providence to be. Since, then, God is the Greatest and most august of all Princes, to him must

"the Greatest and moit august of all rennes, to him must belong the moin perfect Providence."

The Epicureaus deay any Divine Providence as think-ing it inconfilters with the Eule and Report of the Divine Nature to modelle with human Artists. See Execuse and Chers deay the Existence of a Providence, from the fecuningly unjust Distribution of Good and Evil, which

feemingly unjust Distribution of Good and Evil, whise feem to fall indifferininately on the Just and Unjust Simplificiat argues thus for a Provisioner: If God don't look in the Affairs of the World, 'his either becards he can-not, or will not: But the first is abfusd 5 since to govern can't be difficult, where to create was early: The latter is both abfurd and blafphenous. See God. PROVIED NILE, in ald Lon-Books, were Provisions

of Eating and Drinking. Soc Pourveyance.

Providentia Vini ante adventum fuum in Cellaria erat

Providentia Vini anne adventum Juam in Cellaria erat Centum Delorum. Knighton, Anno 1554.
PROVINCE, Paovincia, among the Romans, was a Country conquered by them, without the Bounds of Raly; governed by a Departy, or Licutenant; and baving peculiar Laws and Privileges.

peculiar Laws and Privileges.

Of these Countries, that part of Prance next the Alps
was one, and fill retains the Name Provence.

Nicod derives the Word, à precul vivendo, living a far

Among us, PROVINCE is used for the Extent of an Arch-

hithop's Juridiction; in which fence, England is divided into two Provinces, thefe of Canterbury and Tork. PROVINCE is now chiefly used for a Canton or Division of a Kingdom, or Common-wealth comprehending feveral Cities, Towns, Se. all under the fame Government, and ufually dittinguish'd by the Extent of a Civil or Ecclesiastic

The Provinces were antiently Datebies, Counties, &c. which have been fince all reunited under the fame Chief.

Sco Durk, Count, &c.

The Church diffinguifhes its Provinces by Archbiffnopricks, each containing a certain Number of Biffnopricks.

See ARCHRISHOP.

See ARCDINION.
The Monks make particular Divisions of their Provinces, according to the Antiquity and Number of Convents in each. See Provinces, Constant Northern Provinces of the Low-Countering, who, revolving from the Shariff Dominion, made a firm and personal Alames, Officiality Convention, and the Convention of t

General.

The Lord Provest of Edinborough is principal Sheriff; the Bailaffs are his Departes; he calls Conventions of the Boroughs by his own Miffives. PROVINCIAL, PROVINCIALIS, fomething relating to a Province. See Province.
Thus we fay, a Provincial Council, or Synod, &c. See

SYNOD and COUNCIL. PROVINCIAL, in the Monastic fenfe, is a Person who has PROVINCIAL in the montant raths, as the Province of the feveral Convents of a Province; according to the Division eliablished in that Order. See ORDER, CENTENT, &C.

The General of the Order has several Provinces under him;

the Provincial Several Priors, Abbots, &c. See GENE-

the Provincial leveral Priors, Abboss, U.S. See Gene-RAL, ABBOSS, U.S.
PROVINE, of the French Provinger, fignifies to lay a vine-Stock, or Branch, in the Ground, te take Root. See VINE, PROVAGATION, U.S.
PROVISION, any thing got, or procured as necessary for the Substitute of Life.

PROVISION, in Traffick, is used for the Wages due to a schor. See Factorage. PROVISION, in the Canon-Law, the Title, or Inflru-ment, by virtue whereof an locumbent holds, or is pro-

wided of a Benefice, Bifhoprick, or the like. See TITLE, BENEFICE, &c. Ordinary Collators give Provifions in Case of Vacancy by Death, pure and simple Demission and Permutation. See Collator.

The Court of Rome grants Provisions by Refignation, Devolution, Prevention.

Provisions by Prevention, are call'd Gratis Expectative, or Mandata de Providendo; of the great Abuse whereof throughout England, frequent Complaint was made in our antient Statutes, and a Remedy provided for the fame by the Statute of Premanire. See PREVENTION, PREMU-

NIRE, Ec. Provifions of small Benefices, in the Court of Rome, are

only fimple Signatures, which are, as it were, Minutes of the Ball; because the Balls themselves dispatch'd on the Ball; occasic the Balls inconcered dispatch of on Parchment would be too expensive. The Signature is no more than the Requelt of the Impertant safwer'd by the Pope in the Words; Concession will paint with presputia D. N. Pape, wrote in the Hand of the Prelate who profides

D. N. Fefe, wrote in the Hand of the Freika was productioned to Signature. See Burge of by the Pope himself, in these Words, Fast us periture, with the first Letter of hin Name. See SIGNATURE.

PROVISO, in Law, a Condition inferred in a Deed, upon the Condition of the Deed depends.

the Observance whereof the Validity of the Deed depends. See Conntion, So. Sometimes the Word imports a Covenant. See Cove-NANT.

NAMT.

Paoraso hath alia asother fignification, ie Jadicial Matters as, if the l'laiotif defin from profeccion au Adlient ten pas, if the l'aiotif defin from profeccion au Adlient from the fignification of the state of the sta

to a risk of 27090/6.

Provisio is also a Sea-Term. A Ship is faid to moor a Provisio, when she has an Anchor out, and also a Hawfer a-shores and is is moor'd with her Head to the Shore with two Cables. See Mooraino.

PROVISOR, is generally taken for him that hath the Care of providing things necessary; in which sense it co-

ocides with Purveyor. See Peaveyor.
PROVISOR Monaferii, is used for the Steward, or
Treasurer of a Religious House.

PROVISOR, in our Statutes, is a Perfon who faed to the

Coart of Rome for a Provision. See Provision.

These were prohibited by Proclamation 42 Hen. 3. Ann. 1258. Provifores dicuntur qui vel Episcopatum, vel Ec-clessaficam aliam dignitatem in Romana Guria sibi ambie-

supplicem andm argunatem in komana Curia fibi ambie-baut & finture, quid est Gratia expellativas unicutyarunt, quin ulpus dum casarse expectandum effet. Spelm. PROVOCATVE, in Phylic, a Medicine which flrengthens Nature, and finnulates or incites to Venery.

Nature, and timulates or mettes to venery.

Such are Cambarides, EF. See CANTHARDES.

PROVOST, Prepaises, an Officer, whereof there are
divers Kinds I Girll, Military, Efc.

Provosy of the City, or of the Merchant, is the Chief
Musician I Maciferer in feveral confiderable radius Cinics. Municipal Magifirate in feveral confiderable trading Cities, particularly Edinborough, Paris, and Lyons; much the lame with the Mayors in other Places. See Mayor.

same with the Mayors in other Places. See MAYOR. The Provole princiles at the City-Courts, and, together with the Sheriffs, decides all Differences relating to Trade and Merchandies e takes cognitizance of the Affairs of Offi-cers of Policy of the City with regard to their Fandions; of the Delinquencies of Merchants, Commifficances, and Fasters; inspects the Ports, Rivers, the Duties, Impolis, 500. 850

Authors attribute the Inflitation of Provoft of the Merebants of Paris to Philip Auguste. Du Haillan refers its Epocha to the Year 1190.

PROVOST, OF PREVOT Royal, is a fort of inferior Judge chabilified throughout France; for the tiking cognizance of all Civil, Perfonal, Real, and Mixed Caufes, among the People; but without any Jurisdiction in the Caufes of

Their in the Bourtonness, Auvergne, &c. are call'd Chatelains; in Normandy, Vicentes; in Laureteder and

Codification in Arganizary, Presented in Langueges and Provence, Vigiliert.

Grand Provose of France, or of the Hoafhold; is a Judge of the Sword; who has Jurishickion in the King's Haule, and over the Officers therein; books to the Policy and Regulation thereof; the Rates of Provisions following and Regalation thereof; the Rates of Provisions following the Court, &c. He was antently call'A Rob det Ribatide.

Grand Provoer of the Couffable, a Judge of the Sword, who manages the Processes against the Soldiers in the Army who have committed any Crime. He has four Lieutenants distributed throughout the Armics, call'd Proughs. of the Army; and particular Provofts in the feveral Regiments.

Pageouser General of the Marine, an Officer who mana-PAOVOY General of the finance, an Othere who mana-ges the Procedics against the Marines when guilty of any Crime; and makes report thereof to the Coancel of War. There is alfo a Marine Prough in every Veffel, who is a kind of Goaler, and takes the Prifuners into his Caro; and keeps the Veffel clean.

PROVOSTS of the Marfhals, are a kind of Licutenants of

the Marshals of France, ettablished for the Security of the Country against Rogues, Vagabonds, and Doferters. They take cognizance of Royal Cifes; which, for this Reafon are call d prevotal Cafes; fach are all Crimes committed are call of prevole Laje 3 facts are all Crimes committed by Strollers, or People without any Sixed Abode 3 Robbe-ries on the High-way, lafraction of Safe-guard, Burnings, Se. They pronounce on deraiter refore. There are 180 Scaus of the Proposit in France. Their chief Juriddiction regards High-way-men, Foot-pads, Hoafe-ber 190 facts of the Proposition of the Committee of the Proposition 
breakers, &c. and correspond to the Officers established

breakers, US. and correspond to the Officers clabilified by Angufus and Tiberius, called as Cajus cellus, a Capus cellus, armaculatores; to flew, then their Office was to partice! Thieves, Provour of the Minn; in particular Judge infiltrated for the apprehending and professing of falle Colorra. See Manny. Manage

Music. The survey Merghal of an Aurus, is used appointed to for Theorems and the Control of Control

See Sure In the Front hereof is the Beak, that cuts the Water to

In the Front nervot is the Dear, that cuts one water to make way for the Veifel.

The Prow is lower than the Poop, and contains fewer Stories or Decks. On the Beak is afaulty fome Hieroglyphic, which often gives Name to the Veifel.

In Hriffenfe, however, the Prow is failed to be only that part of the Fore-Caffle which is alsoft, and not in the Hold's particularly that between the Chafe and the Loof.

The Anticuts represented Beaks of Birds in the Prows of their Ships, whence they were call'd Roftra.

The Word Proce is form'd from the Latin Prora, which

Relation of Nearnels, either in refpect of Place, or Blood, Relation of Nearnels, either in refpect of Place, or Blood, Tanananum Transport of Place, or Blood, or Alliance. See Vicinade, Consanguinity, &c. PROXINETA, or Proximetes, a Broker, or Mana-ger between two Persons. See Broxen.

The Word is chiefly used for those who negociate Offi-Marriages, &c.

The Roman Law grants the Proximetes an Action for re-covery of their Salaries. The Word is Greek applyments, Broker.

The Latins give 'em a more honourable Appellation, calling 'em Interpreters. See INTERPRETE.

These made a kind of Office, or College in Rosse: To them the Fathers address' d themselves, to sound and examine

the Inclinations of the young Men they intended for their Daughters.

A Commentator on the Digett, accounts it a great Defect in the modern Policy, that there are not now any of these Proxinetes or Match-Makers established by public Au-

PROXY, Precurator; a Deputy, or Perfor who officiates in the room of another. See Page una ron. Princes are ufually married by Pranies.

PRONY, Procuracy, among Givilians, is also a Commission

given to a Proctor by a Client to manage a Caufe in his be alf. See PROCTO PRUINA, in Physiology, Hastr-Froft; a Concretion of the Dew, made by the violence of the external Cold. See Daw

PRUNELLA, in Medicine, a drynefs of the Tengue, and Throat, happening in continued Fevers, especially acute ones; accompanied with a heat and reducis of the Thruar, and a Scurt covering the Tongue; fometimes whi-tifly, and fometimes blackifly. See Faven.

Some give the Name Prunella to the Quinzy. See

SQBINANCY.

PAUNELLE Sal, in Pharmacy, is a Preparation of purify'd Salt-Petre; call'd also Lapit Promule, and Crypt Mintell. See Sart Petre, Cavaval, Sci.

It is prepared, by feparating and ablothing some of the more volatile parts of the Salt-Petre; which is done by barning upon it, when melted in a Catesbie over the base a chirtieth part of its Weight of Flower of Brimshoar a chirtieth part of its Weight of Flower of Brimshoar a chirtieth part of its Weight of Flower of Brimshoar a chirtieth part of its Weight of Flower of Brimshoar a chirtieth part of its Weight of Flower of Brimshoar a chirtieth part of its Weight of Flower of Brimshoar a chirtieth part of its Weight of Flower of Brimshoar a chirtieth part of its Weight of Flower of Brimshoar a chirtieth part of its Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Flower of Brimshoar a chirtieth part of the Weight of Brimshoa

'Tis given to cool, and provoke Urine in Fevers, and Quinzies; the fome think that Salt-Petre, parify'd three or four times, would be a better Medicine.

The Sal Prunelle is frequently adulterated with Alam; ne Deceit is known by its Whiteness and Glittering. PRUNES, are Plumbs dried, and baked in an Oven, or

in the Sun.

The Prunes chiefly used among us, are black, and large; brought from Bour scaux: Great Quantities are used by the

English and Dutch.
The Word comes from the Latin Pruna, Plumb.
The Juice of Prunes is effected laxative.

The Junce of Frames is effected 4 passaves.

PRINIFERROUS Trees, or Struts, the Plannh-bearing

kind, are those whose Fruit is prerry large, and fost, with

a Some in the middle. See Tans and Faut.

In this kind, the Flower adheres to the bottom of the

Base of the Fruit.

Bale of the Fruit.
PRUNING, in Gardening, and Agriculture, the Operation of lopping, or cutting off the fuperflaous Branches of
Trees; either to dispole them to bear better, to grow
higher, or appear mure regular. See Tarr. Se.

higher, or appear more regular. See Tana, 85-"Priming" is one of the molt imperation Henselets of the "Priming" is one of the molt imperation Henselets of the Order of the Primin Trent, as well as the Air and Regularity of his Lorder, in green mealure depends. See Gananu-Tia functions pradictly, parely, for the trimming or adquing of Tees to the Kye, by taking away irregular. Sometimes to make the Stem grow lairer, and rife bighter's playsing off all the large features arising out of it and thus fending the Sap, which would subservise for expeeded by them, to the Top of the Tree, to countil, and

prolong the fame.

prolong the fame.

But its more ordinary use is to render the Tree more
fettile, and to mond its Fruit; by retreaching such useless
Brunches as might impoverish the Trunk, and consume the
Juice necessary to nourish the Brunches that bear. See Va. ETATION. Pruning is an annual Operation; the Amputation is flo-

ping; fornetimes flump-wife. Its best Scafon is about the end of February; the it may be begun as foon as the Leaves are off, vie. in November; and continued to the time fresh Leaves come on, viz. in April.

As the Gardener has usually three kinds of Trees to

As the Gardener has ulsally three kinds of Trees to manage, viz. fine to week, obsert not frong, and others in a yall plight; be will find Privating Work three' all that place 5 it being proper to Private frome founce, and forme later. The weaker and more languishing a Tree is, the footer it cought to be privated, to cale it of its offenite Branches: and the more vigorous the Tree is, the longer may the Privating be deleted. See Pirs. cutton and Branches.

#### Practice of PRUNING Fruit-Trees

For Pruning a Tree of the forfi Tree 1 i.e. a Tree planted the Year before: I is have only flot one fine Branch from the middle of the Stem, it must be cut to that Branch; and the Branch florten'd to four or five Eyes, or Buds: the effect of which is, that the next year, there will

Buds in the effect of which is, thus the most year, there will be as leaf two fire firesches appelies cach where.

The search of the search of the search of the search where we have been also given in the search of the search of the search of the search of the office is not given to the country to the company of the or fit is finded in length Care, however, being taken, but the two last Eyen, or Bads, the right, and they, on the two bars fitted, its neglest have placed by the search of t fo close, as that it may never be able to produce thick ones

in the fame place.——If a Tree have put forth three or four Branches, all in the Extremity, or a little beneath they must be all pruned by the fame Laws as the two afollow must be all printed by the lame Laws as the two a-bown entitled 1. If they be equally thick, they are to be used alike; if some of them be fmuller than the reft, they must only be printed with a prospect of gerting a fin-gle Branch cach; taking care to have it on that fide which Ball be found empty: in order to which, they should be florten'd to an Eye, or Bad, that looks on that fide; and the fame care to be taken in the larger, in order to begin the lame care to be taken as the larger, in order to begin to fill up the better. If the life in Branches floor a livtle below the Extremity, 'is but floortening the Stem to 'em: Or the contrary, if the Branches be mod of them ill ones; two, at leaft, if puffille, are to be preferr'd, and prused in the fame manner as the two floor ones, above. Good, weak Branches, are to be carefully preferr'd for Fruit's on-ly cutting them a livtle at the Extremity, when they appear

weak Branches, are to be carefully preferré for Fraits is ofye eating them a line a rice Excerning, when they appear
ye eating them a line a rice Excerning, when they appear
falpola firmehrs.——If the True, has produced ire, ile,
or freez Branches, 'in fafficient to perfere three or fartion of the best's the rost to be ear quite off, at least if they be
of the best's the rost to be care quite off, at least if they be
of the best's the rost to be care quite off, at least if they be
of the perfect of the perfe soft their circuits for the faculty of the tree, main the all the control of the faculty of the tree, and the all the fact that the fact the fact that the f

stay to me dottom of the Mall Euro. In a Tree that has Pranning of a Tree the third Amer. In a Tree that has proved and the stay of the third proved the stay of the roas, as many old Branches as peffille are to be preferred, of the Barden of old Branches, as well those for Fruit, as Wood. I Irmell Hawin be cat Hoste, to canable in road words which, if it cannot do with Vigour, let it be pull'd by a 3nd a new one, with fresh Earth, planted in

in place.

In all Pruning, Provision to be made for Brunches to proceed from those new under the Pruning, Knife; s to preare fash as may be proper for the Form: with this affurance, that when the high Branch is taken down from over the lower; this latter being reinfored with the Sap that the lower that he was the same that the process of the province of the provin inforcement.

## General Laws, or Rules, of PRUNING Fruit-Trees.

r. The more the Branches shoot horizontally, the apter and better dispos'd the Tree is to bear Fruit; configurantly, the more upright the Branches, the more inclin'd is the Tree to increate in Wood; and the left in Fruit.

Hence, ever take care to keep the middle of a Tree from great Wood, or thick Branches; and as those increase, and grow upon you, cut them our entirely; for there is no danger but the place will be from fill'd with better and more fruitful Wood.

In Dwarfs, you are to prane all open, and clear of Wood, leaving none but horizontal Branches; and in Wall-Trees, if you do but furnish your Walls with horizontal Branches, Nature Nature will provide for the middle. Chuse therefore such Shoots as are not over-vigorous, to farnish bearing Bran

Shows a chest. Ask care the Tree be not left over full of Wood; a teen of bearing Branches; as is frequently feen in the Management of Peeches, Nectarines, and Cherries.

Management of Peacacs, Nectarines, and Chernes.

Nature cannot fapply them all with Juice enough;
whence, none will be supply'd well: the confequence of
which is, that either the Bioffoms will fall off, or the Fruit dwindle. "Tis certain, a multitude of Branches crowding on one another, produces neither fo good, not fo much Fruit, as where there is a convenient Space; befide the difagreeable Effect of croffing one another-

2. All firong and vigorous Branches are to be left longer on the farme Tree, than weak and feeble ones; confequently, the Branches of a fickly Tree must be pruned shorter, and fewer in number, than those of a firong bealthful

Tror 4. All Branches flooting directly forward from Trees that grow against a Wall, are to be present close to the

that grow againd a Wall, are to be fronted clote to the Franch where they firing, E.C.

" When a Branch well place their against a Wall, or " When a Branch well place their against a Wall, or higher, nor the Frinch symme is the within the Thakkens of a Cown piece, or flopinglys that this is bell practice off in the bertining of Summer.

6. Cur off all Branches arising from hard Knobs, where Carallake grews for from there threis Branches, like

7. If a Tree, in its Years, have produc'd Branches of moderate Vigour, and afterwards puts forth flrong ones, well plac'd, the of falfe Wood; the latter may be used as the Foundation of the Figure, and the other kept a time

for bearing Fruit.

8. When an old Tree shoots stronger Branches towards S. When an old Irec Incoms stronger practices towards the bottom than the top, and the top is in ill Cafe, cut it ciff, and form a new Figure from the lower ones. If the top be vigorous, cut off the lower ones, nuclef well plac'd.

9. The Order of Nature in the Production of Roots and

Branches, is, that a Branch is always lefs than that out of which it shoots: If this Order be inverted, use them as falfe Wood.

10. Regard to be always had to the Effects of former Pruning; in order to correct its Defects, or continue its Beautics

Eigautes.

In In vigorous Trees, the weaker Branches are the Fruitbearers. In weak Trees, the fironger, chichly interfere
in the latter, Prame off the feeble and final).

In vigorous Trees, three good Branches may put
forth at one Eye, or Bud; In which cafe, the two SideBranches are generally to be preferred, and the middle-

most cut off in May or Jane.

13. It is difficult to itrengthen a weak Branch, without catting off others above it: Sometimes it can fearce be done, without cutting off the End of the Branch it shouts out of.

The Printing of vigorous Peach-Trees to be defer'd

14. The Framing of vigorous Peach-1 rees to be deler'd till they are ready to bloffom, the better to know which are likely to best Fuit.

15. Fuit-bash such the Ecds of Branches, are common-ly thicken, and better fed, than others. In weak Trees, becrefore, it may be bett to prime them early, that the Sup may not watte itself in fach parts as are to be re-

16. The further a weak Branch is from the Trunk, the lefs Nourishment it receives; and therefore the more it is to be florten'd: but thick Brancher, the more diffant they are from the Heart, the more they receive; and are therefore to be remov'd, that the Vigour may extend itfelf to

the middle, or lower part.

17. A Branch for Wood must never be pruned without

17. A Branch for Wood must never be fraund without referiol necessor is as where they annoy others. 15. If an old well-liking Tree be disordered with false Wood, ther'old Perturing, or want of Prunings; take it lower, by cutting off a Branch or two, yearly 3; till it is false in the property of the

duce false Wood. 19. All Trees have a predominant Branch or two, if not more; yet the more equably the Vigour is divided, the better: Where it runs much on one fide, it is faulty.

better: Where it runs much on one and the state of all Stone-Fruit frequently form them 20. The Bade of all Stone-trust response, term about leves the fame year in which the Branch they grow on, is form'd: the fame holds of Pears and Apples; the 'is generally, at least, two or three Years, e'er the latter come to perfection.

21. All Shoots put forth in Autumn, are to be pruned, f, as naught: The fame may be faid of all faplefs Branches

22. When a Tree purs forth much stronger Shoots on one fide, than the other; a great part of the strong ones must

e cut off close to the Body, or some of them stump wife." an ftrong Branches. an itrong Branches.

24. Upper Branches to be cut off, close to others, that
eve may heal over: Lower Branches to be cut floping, they may

or at a little distance, that new ones may grow out

as, If a young crooked Tree produce a fine Branch be-neath the Crook is cut the Head off close to the Branch. 26. The five, fix, or force Inches, be the ordinary Lengths Wood-branches are left at 3 yet must this be va-ry'd, on occasion of the Vigour or Weskneff of the Tree, Thickneff or Smallneff of the Branch, the Fullneff or Va-cative of the Place Stee. cuity of the Place, &c. 27. Be careful not to prane many thick Branches, fland-

ing over weak ones; leit the Sap, which fed the larger; flow fo plentifully into the lefs, as to occasion them to put forth much ill Wood and Suckers. 28. Branches that from the Ends of others, are usually

good Wood; fometimes it happens otherwife, and then they must be pruned.

As to the grand yearly Prunings-Fruit-Branches being of fhort continuance, and perifhing the first year wherein they produce Fruit, are to be cut off, unless they put forth Shoots for Blessoms the succeeding Year. In the pat forth Shoots for Biettoms the Inceccoing x car. in the income Pruning, about the middle of May, where the Fruit fo is clofe, as to be like to oblived each other, font of them and their Branches to be taken off; as muit alone multitude of young Shoots that caufe Confusion. Branches more luxurious than others, to be cut clear off. To preferve old Trees, they must be disburden'd, by leaving few Branches for Wood on them; and those to be shorten'd to five or fix Inches; and very few weak ones, and none dry, and nigh wasted.

## Patning of Forest or Timber Trees.

For large Trees, 'cis best not to prune them at all; yet if there be an absolute Necessity for it, avoid taking off large Boughs as much as possible; and observe the fol-

lowing Rules.

1. If the Bough be fmall, cut it fmooth and clofe, that the Bark may foon cover it; and ftoping, that the Water

may run off.

2. If the Branch be large, and the Tree old, cut it off at three or four Foot from the Stem, or where any young Shoots are found iffaing out of it.

 Boughs growing apright, not to be cut crofs over, but floping apwards. In Boughs leaning from the Head, the be on the lower fide. Slupe

4. If the I'ree grow crooked, cut it off at the Crook, flo-ping upwards; and narfe up one of the most promising Shoots for a new Stem. Indeed, in Trees that have great Piths, as the Ash, Walnut, S. we must be cautious of cut-

Fish, as the Aft, Walent, S.C. we must be cautious of cut-ing off the Header top bears, as Head must be ligh-3.1 if the Tree giver by thisning the Heape that give out of the main Branchet, than by cetting off the main Branches themfelves. But if you would have them print it had do not be rabbing off the Bads, as they print out in the Spring, and Breedding up the Side-Shoom; by cashle of the Bads of the Bads which you fight his Sprine.

to fastain itself, give the Boughs that put forth in Spring, a Pruning after Midstanmer; cutting them very close. This a Pranting after Middlammer z cutting them wery clock. This will cause the Bast to cover not kill them, for an enert to floor out spins ; and it the only Michael to make a Tree Revenue of Prints. See Vrsa.
PRURITY of the Experiment of the Skin, popularly call'd Riching is when it appoint to article benee, that the Extremities of the Capillary Vicins being obtfrateded, cannot take a sain to the Meterity whence, as there is a freith Broad and the Vicins of the Capillary Vicins being obtfrateded, cannot take a sain to the Meterity whence, as there is a freith Broad in the Meterity whence, as there is a freith Broad in the Meterity whence, as there is a freith Broad in the Meterity whence, as there is a freith Broad in the Meterity whence, as there is a freith Broad in the Meterity whence, as there is a freith Broad in the Meterity whence is the print in the Meterity whence is the meterity whence in the Meterity whence is the Meterity whence in the Meterity whence is the Meterity whence in the Meterity whence in the Meterity whence is the Meterity whence in the Meterity whence in the Meterity whence is the Meterity whence in the Meterity whence in the Meterity whence is the Meterity whence in the Meterity whence in the Meterity whence is the Meterity whence in the Meterity whence in the Meterity whence is the Meterity whence in the Meterity whence in the Meterity whence is the Meterity whence in the Meterity whence in the Meterity whence is the Meterity whence in the Meterity whence in the Meterity whence is the Meterity whence in the Meterity whence is the Mete

again to the Hearts whence, as there is a fresh Stock of Blood continually feat into the part by the inceffant Pulfa-tion of the Heart, the Filmes become preten-naturally firetch'd or diffended: And hence the unesty, titillating

Sense of Ichine.

PRITANEUM, in Antiquity, a confiderable Building in Athem, where the Council of Prystanti affembled, and where those who had render'd any fignal Services or the Commonwealth, were maintain'd at the publick Expense.

RYTANEUS PRYTANEUS, in Antiquity, the first Magistrate in most of the Cities of Greece.

At Athens, there were fifty Prytanei: at Corinth, there was but one; who was, there, the fame what the Archos was at Athens. See Ancion.

The Prysamei of Athens were the Senators who com-soled the grand Council that governed the State; and corefronded to what we now call, The States General of the United Provinces.

PSY

Fifty of these were chose each Year out of each Tribe; and to these were nominated fifty more, to supply the

The Tribes took the Government by turns; each after

The Threes took the Government by turns; each atterether, for the space of thirty five Days.

All the fifty Prystami of the Tribe did not govern together during those five Weeks; but in Companies, ten at a
time, chosen by Les; feven Days each Company: After
which, another Tribe came into play; and had its five
Weeks after the same manner.

This was an Establishment of Solon. Scaliger is mista-n, when he says the Tribes took their Turns every day.

PSALM, a Divine Song, or Hymn. See Sone, and Нуми.

The Word is now appropriated to the CL Pfalms of Da-vid; and the Name Canticle, or Song, given to other pieces of the fame kind, composed by other Prophets and Patriarchs. The Antients, as is observ'd by St. Augustin, made this

The Antients, as is observed by St. Inguistis, made that difference between a Causite or Song, and a Tiplant; that the former was fang folitarily, or the Voice alone; but the latter accompany'd with a Musical Information.

The Pfiliant, in the antient Editions, are divided into five Dooks; nor is David's Name found at the Head of more than feverary-three of them; tho' forme, and among the roft,

St. Augustin, and St. Chrysstam, attribute all the bundred

and fitty to him without exception.
The Jews, however, were always of another Sentiment; and 'its certain there are some few, at least, that are not his — St. Jerem observes, among the Number, several that were composed long time after David. Du Pin adds, that 'tis difficult to afcertain the Authors; all we know of the Book, is, that 'tis a Collection of Songs, made by Ef-

The Gradual Pfalms, were these antiently fung on the Steps of the Tennyle. See GRADUAL. The Penitentiary Pfalms, were not formerly the same

thefe now call'd by that Name. See Panaten-The Word is form'd of the Latin Pfalmus; and that

from the Greek + done, I fing.
PSALMODY, the Art of finging Pfalms. See Psalm PSALTER, the Book, or Collection of Pfalms, afcrib'd

to David. See PSALM. There are an Infinity of Editions of the Pfalter-August

There are an infinity of Editions of the Tfalter—Ansylin figliation, a Dominica, and Billiop of Nube, van-lith'd a Polyglet Tfalter is Genea, in 1916; Gontarium pal-lith'd the Tfalter in Helbren, Greek, Chatles, and Arbaire, with Latin Notes and Gieffer. See Porvacor-Patrix is also field among Religions for a large Chapler, or Refary; confiding of 190 Bends; the Number of Plains in the Pfalter—St. Dominic is falt of have been

the Inventor. See ROSARY. PSALTERY, PSALTERION, a Mufical Infirument, much PRALIEMY, PARTIERION, a Mancal intrament, much in do among the auteur Hebrews; who call'd it Nebel. We know but little of the precife Form of the antient Pfaltery: That now in ufe, is a flat Influement, in form of a Trapecium; or a Triangle truocated a-top.

It is strung with thirteen Wire Chords, fet to Unison or Octave; and mounted on two Bridges on the two fides

Octave, 3 and mounted on two Bragges on the two fields— It is firtuck with a Pletfrum, or little Iron Rod index-times a crooked Sick; whence it is ufually ranked among the Inframents of Percusion. Its Cheft, or Body, is like that of a Spinet. It has its Name à Pjallende; some also call it Nabitum, or Nad-

Papies gives the Name Pfeltery to a kind of Flate used in Churches, to accompany the Singing; in Latin, Sam-

PSAMISMUS, in Medicine, a Term fornetimes afed for a Bath of dry and warm Sand, to dry the Feet of drop-fical Perfons opon. See Barn, 5c. The Word is form'd from the Greek Lapuss, Sand, or

Gravel.

PSATYRIANS, PSATYRIANI, a Self of Ariani, who in the Council of Aniach, held in the Year 50c, maintained that the Son was not like the Father, as to Will; that he was taken from norhing, or made of nothing; and that in God, Generation was not to be dittinguish'd from Creation.

PSEUDO, a Term, or Particle, used in the Compos-tion of divers Latin and English Words; in the Sense of falfe, or lying.
Thus we say a Pfendo Martyr, q. d. a falfe Witnels;
Pfendo Popples, Pfendo Apofile, Pfendo Chrift, 25c.
The Word is form d from the Greek 4000, decipio, fallo,

PSEUDONYMUS, PSEUDONYMOUS, a Name given by

Criticks, to those Authors who publish Books under false, or feigned Names

Much as the Name Cryptonymus is given to those who publish under secret and disgossed Names; and Anonymus, to those who publish without any Names at all. See Anonymus

The Apostolical Conflictations, the greater Epistles of St. Ignatius, &c. are usually supposed to be Pfeudenymous, ce Constitutions. The Word is form'd from the Greek Joufus, Lye; and

System, Nomine.

PERUDO-DIPTERE, in the actient Architecture, a
Temple with eight Columns in Front; and a fingle Row
of Columns all around. See Tanker.

On the columns all around.

The Word fignifies falle or imperfeit Diptere; and is afed to diftinguish this, from the Diptere; which had two Rows of Columns all around. See DIFTERE.

News or Jounna all around. See Differ. 1.
PSEUDO-STELLA, in Affenomy, any kind of Meteor of Phenometon, newly appearing in the Heavens, and refembling a Star. See Merman, Ed. FSILOTHRIX, in Medeline, Depilatory; or fomething proper to make the Hair fall. See DeFILATORY
Such are (freeg Lixivians, Quick-Lime. Ann. Foor. Such are frong Lixiviums, Quick-Lime, Ants Eggs, Sandarac, Orpiment, and Arfenic.

The Word is form'd from the Greek 422, diglabre, I

or take off the Bark ; and Jeit, Hair

PSOAS Magant, or Lumberts, in Acatomy, a round, hard, fiethy Maclet, which arites from the internal Side of the transverse Procedies of the Vertebras of the Loins, with-

the tradiverse Procedies of the Verrebrae of the Loins, with-in the Abdomora, and defocading quop part of the internal Side of the Illiam, is inferted that the lower part of the line! Trecharter—It is the first of the Flexors of the Thigh. See Franca and Turon. Franca Parway, astics fieldly thom the Indide of the up-per Verebrae of the Loins, and bath a thin, and broad Tector, which of means the part of the India. inferred into the Os Innomination, where the Os Pubis and

Himm join together. This, the' ordinarily recken'd among the Mufeles of the

Thigh, properly belongs to the lower Venter.

PSORA, in Medicine, a curaneous Difeafe, called by
the Latins, Scabies; by the English, Itch. See Iren. The Pfors is described by Gestis, as a reddish Hardness and Roughness of the Skin, from an Eruption of Putiles

thereon; fome dryer, others moifter; and onzing out a fa-pious Marter, that occasions a continual Prarities. Their Eruptions are most frequent about the Junctures of the Limbs, and between the Fingers; in fome they

of the Limbs, and between the Fingers; in forme they freed over the whole Body; in other they foon ceafe; and in form trears at certain Seafons of the Year.

In Youth, this Diffast freequently prevents others, or cares them—It formetimes degenerate time a Leptofy.

The dry is much more difficultly cured than the motif, which arries from a Difforder in the Hammans, or Vilecen.

Willis derives the Discase from a sharp, faline Humour, occasioning an Irching. Some of the later Physicians will have it to confist in a

number of little Animals proying on the Skin: And hence

number of little Animals preying on the Skin's And thence it is, that it becomes 6 very consignors. Willist observer, that is this refixed it is fecond to no, o-ther Distack, but the Plague, swhich many conjecture to artio in like manner, from Animalcules. For the Care, Bordii recommends a Lotion of black Soay, for pour People, &c. But the Soap to be foon with diff, left it executate the Skin. Where the Dilasfo

is inveterate, recourse is had to Salivation. See SALIVA-The Word is Greek, Jues, Itali. Hence, PSORICA are Medicines good against Scales,

d other cutaneous Eruptions.
PSOROPHTHALMIA, is a kind of Ophthalmia, accompany'd with a Pruritus, or Itching. See Optimalmin.
The Word is form'd from ψώρα, Itch; and εφθαλμές,

PSYCHOLOGY, a Difcourse concerning the Soul. See

Anthropology, or the Science which confiders Man, con-Anismophicity, or the Science which confiders when, confide of two parts: The first treating of the Body, and the parts belonging thereas; call'd Anatomy: And the Second of the Soul, call'd Pfriedelpy.

The Word is form'd from the Greek 4-x2, Soul; and

27. Discourse.
PSYCHOMANCY, a kind of Magick, or Divination, erform'd by raising the Souls of Persons deceased. See

DIVINATION. The Word comes from 4022, and conress, Divination.
PSYCHROMETER, an inframent for measuring the
Degree of Moisture or Hamidity of the Air; more usually

call'd Hygrometer. See Hygromayna.

The Word is form'd from the Greek Joyceli, humid, and paren, Meafure.

PTARMICA, Medicines proper to promote Sheeking; more usually call'd Sternutatories. See STRRN WIKTORY. The Word is form'd of the Greek σ(μ,μ), Sternutamen-

PTERIGIUM, or PYERYGIUM, in Medicine, a Difease of the Eye, by the Latins call'd Unguis, Nail's and sometimes Paums, Web. See Unguis and PANNUS.

The Cure is much the fame as of the Ophthalmia. OPHTHALMIA e Word is form'd from the Greek aligor, Ala, Wing.

The Word is sorm a from the tyree #1969, 2009, wing. PTERIGODIE'S, or PTERIGODIES, in Anatomy, two Apophyles of the Of Sphensiday; to call'd from their refembling the Wings of a But. See Serik Roldner, From the Greek #1610, #1610-\$, Wing, and star, Form.

PTERIGOIDEUS, or PTERYGOIDEUS Internut, is a
Muscle of the Jaw, which arifes from the internal part of
the Pterigoides Process, and descends to be inserted into the inferior part of the internal fide of the lower Taw, near its When it acteth, it draws the Jaw to one fide

When it afterth, it draws the Jaw to one fide.

PT-RIGOISTENDERTHEM, its Makele which satisfaries the exertaal part of the fame Procest, and goes backward to the fine the control of the fame of the fame of the fame of the fame of the forest of the fame of the lower Jaw.

This pulls the lower Jaw forwards, and makes it shoot beyond the upper.

PTERMOSTI THE MINISTENS OF PERMOSTENS THE STATE OF THE MINISTENS OF THE STATE OF THE STAT by Valfalva, Novus Tube Mufculus; as being unknown to

the antient Anatomiits.

ric unions Anatomille. It railes fieldly, occur the Sphemigaphilium, from the OI Partylium, where the Table from the Palase carer that, note recognity to the Care from the Palase carer that, note recognity Partyliads, December 3 broad, first Trainin, which expends itself on the fore-part of the Usula. Some of the tendinous Fibres affected to the lower Edge of the OI Palasis, others defend down the files of the Palasis, others defend down the files of the Palasis, others defend down the files of the Palasis.

fide, or is loft in two fleshy Bodies that compose the

This Muscle, with its partner, draw the Ususa upwards, and forwards; and also raise the Amygdala.

The Word is form'd from the Greek arries, Wing, and

region, Junie.

PTERIGOPHANYNOÆUS, or Pranvoennavnunva, a pair of Muddes arfing from the Prenefit Pregular, here to Tendon of the Perpoplishima in
the upper Jaw Bose, behind the furthel Grainet, and form
from the idea of the Tonges, and Of Hynites.
From all thele place in herby Piores yals femierally; and mere with their of the proposite shall an middle
larly; and mere with their of the proposite shall an middle
larly; and mere with their of the proposite shall an middle

Line on the back fide of the Pharynx externally. In the inner Surface of the Fasces is another Order of flefhy Fibres, deciffating each other at acute Angles.—
They arife both from the fides of the Uvula, and from the Ront of the Cartilage ; and defeend obliquely to their In-

ferrions in the glandulous Membrane of the Pharynn.
This Mufcle ferres both to confiring the Pharynn, and
to comprefs the Tonals, and force out the Mucus; whence

its Use in Hawking-The various Originations of the feveral parts of this Mufele has caufed its being generally divided into feveral Mufeles.—Thus Valfatva calls that part fpringing from the onspe, the Gloffopharyngeus; that immediately below it,

Tongue, the conjugues arrayers, that initiations below as, the Hyphergraphia. Hence, in like meaning, come the Cophalopharyageus, Schengbargagus, Sc. PTEROPHORI, in Antiquity, a Name given to fuch of the Raman Countries as brought Tidings of any Declaration of War, a Battel loft, or any Mifhap befallen the Roman

They were so call'd because they bore Wines on the Points of their Pikes; from the Greek officer, Wing, and I bear.

PTISAN, Prisana, in Medicine, a cooling Potion, made of Barley boil'd in Water, and ufually fweeten'd with Li-

To these are sometimes added the Herb Dog's-grass, and Senna to render it laxative.—Most of the Decoctions of

Physicians are in Prifams. See DECOCTION Feverish Patients are prohibited Wine, So. and reduced to Ptilans

The Word is form'd from the Greek electen, which fignifics the fame thing PTOLEMAITES, a Branch of the antient Grofties; fo

AND CONTROL LEGIST Professor.

A Practice of the detection of the distinct confiderable and the desired professor.

Language of the desired professor of the distinct of the Geoglie, his Predections, and enlarged it with a number of Notions and Vilnos of the wown. See Grown e.e.

S. Epiphanius is very ample on the Subject of the Ptole-

maites; and produces a Letter of Ptolemy to Flore, wherein that Heretic lays down his Doctrine,—He maintain'd, that in the Law of Mees there were three things to be consider d, inafmuch as it did not all come from the fame hand 3 but part of it, faid he, from God, part of it from Mofts, and part of it which came from neither of 'em, but confifted al-

part of at white ceme troom neither of 'cm, but conflicted attention the together in the pour Traditions of the antient Doctors; on which perr it was that he founded his Dreams.

PTOLEMAIC Sylvan, or Diptophility, in Coder, or Difposition of the Heavens and Heavenly Bodies, wherein the Earth is Insported to be at reft, in the Crute; and the Heavens to revolve trough it, from Eaft to Welt; carrying with em the Sun, Planets, and fixed Stars, each in their

respective Spheres. See Sun, Earth, Planer, Ele.
This Hypothesis took its Name from Ptolemy, the great
Alexandrian Astronomer; because maintain'd and illustrated by him: Not that it was his Invention; for it was much older, as having been held by Arifatte, Hipparchus, &c. : See infurther illustrated under the Article System. PTYALISM, PTYALISMUS, in Medicine, a Spitting 3 or a difcharge of Saliva by the Glands of the Mouth; whe-

ther. it amount to an absolute Salivation, or not. See SALIVATION. The Word is form'd from the Greek wife, Pro, to ooso

PUBERTY, POBERYAS, in the Civil Law, a natural Majority; or the Age wherein a Person is allow'd to contract Marriage. See Majority, Sc. Boys arrive at Puberty at fourteen Years of Age 5 Maids t twelve. Full Puberty is accounted at eighteen. See

PUBES, a Term used for the external parts of the Pu-dends, or parts of Generation in both Sexes. See Pu-DENDUM, &c.

DENDUM, US.
This, from the Age of Pude'ry is supposed to be corer'd, more or less, with Hairs, whence the Name. See Hair.
PUBIS Os, or Or Tellistis, in Anatomy, a Bone of the Hip, fituate in the fore and undelle part of the Trank; and making the lower and inner part of the Os Innominature. See INNOMINATUM OL

It is join'd to me orber part by a Cartilage, thicker, but loofer in Women than Mens in the former whereof, the Os Pubis recedes, or gives a little in time of Travel, to give way for the Feetus. See Deliverar. It has a large Forumen, which makes room for the Patlage of two Muscles of the Thigh; befides a Sinus, whereby

the Crural Veins and Arteries pass to the Thighs. See PECTINIS OS.

PUBLIC Notary, fee Novany Public.
PUBLICAN, Publicanus, among the Romans, a
Perfon who farmed the Impoits, Taxes, and public Re-

The Name appears to have been adioas to the Feur, &c., pparently because of the Exactions of this fort of

PUBLICATION, the Act of Promulgating, or making thing known to the World. See Promulgating, or making By the Canons, Publication is to be made of the Bans of Marriage three times, e'er the Ceremony can be folemnized; without effecial Licence to the contrary. See MARBIAGE.

PUCELLAGE, fee VIRGINITY.

PUCILLAGE, tec Ving INITY.
PUDICA Plants, fc Sissarivy Plant.
PUERILITY, in Difcourfe. Langinus defines it to be a Thought, which, by being too far feech d, becomes flat and infigiel.—Purvilley, be adds, is the common Faul of those who affect to say nothing but what is Brillant and Extraordinary. See Sustime.

PUGIL, among Phyficians, &c. a Meature of Flowers, Seeds, or the like Matters, containing to much as may be taken up between the Thumb and two Fore-Fingers. See MEASURE The Pagil is effected the eighth part of the Handful.

MANIPULUS The Word comes from the Latin, Popillus, little Hand. The French frequently call it Pincle, Pinch.—Some confound Popil with Manipulus; and afe it for a Handful.

PUISNE, PUNY, in Law, a Younger-born; or a Child born after another. See MULIER.

The Word is not only apply'd to the fecond, third, fourth, &c. with regard to the first; but to the third with regard to the fecond, &c. The last of all is call'd absolutely Cades. See CADET.

The Word is pure French; in which Language it bear a In the like fenfe we fay a Puifue Judge, a Puifue Coun-

Nor. See Junex and Justics.
PUKING, a cant Word for a Naufea, or Diffention to
omit. See Nausaa and Vomiting.

PUL, in Commerce, a general Name which the Per-fluid give to all the Capper-Moneys current in the Empire 3 particularly the Kabefqui and Demi-kabefqui. See MONEY and COIN.

Olearist, who was at Islanar in 1637, in the Retinue of the Ambailador of Hossies, assures us, That each City in Persia has its several Copper-Money, mark'd with its parricular Badge, which is only current in that Diffrict, and changed every Year. - At the beginning of each Year, which

changed every Year.—At the beginning of each Year, which as the Verall Equinose, all the old Money is cried down, and the new appears in the place, and the new appears in the place, and the new appears in the place, and the new appears in the frequent change of Yale first, larger find their Interest in the Rate of 1st. d. Sterling per Pound for Copper; yet delivers in out cried in MacKeplant and Down Askeplant as down to a few Pounds. The faccount, in that the Copper strong yet the Country of the

the fame Quantity.

The fame Author adds, that at the Time when he was in Persia, the Kabesqui at Ispahan were struck with the Image of a Lico, at Scamachia with a Devil, at Kaschan a Cock, and at Kilan with a Fish.

PULLEY, Trochles, in Mechanics, one of the five Me-hanical Powers; confifting of a little Wheel, or Rundle, cannical Powers; combiting of a intic wheel, or Admide, having a Channel around it, and turning onan Axis ferving, by means of a Rope which likes in its Channel, far theraling of Weights. See Mischanical Court, The Latint call it gracifies; and the Scatten, when first with a Rope, a Tackle.—An Affemblage of feveral Philaysis call it a Postfylafon.

## Doffrine of the PULLEY.

10. If a Power P, (Tab. MECHANICS, fig. 49.) fustain a Weight Q, by means of a fingle Pulley A B, in fuch manner as that the Line of Direction of each is a Tangent to the Periphery of the Rundle; the Weight and the Power are equal.

Hence, a fingle Pulley, if the Lines of Direction of the Power and the Weight be Tangeats to the Periphery, neither affilis nor impedes the Power; but only changes its Direction

The Use of the Pulley, therefore, is when the vertical Direction of a Power is to be changed into an horizontal one; or an ascending Direction into a descending one; and

one is on a sitemating Direction into accuration, we a sent be central, and Province for the chiefly of the West.—That is found Province for the chiefly of the West.—That is found in densing with the Thirdy—For Impole a larger Weight & F. required to be railed on a great Height by Workmen palling a Rope a B: If soon the Rore finded be in immediate Danger; but if by means of the Thirdy B. when the Chiefly of the vertical Direction all the changes of the Thirdy of the Vertical Direction as the change of the Rope.

This Change of Direction by means of a Thirdy has this feather Advantages that if any Power cen, exert, more

further Advantage; that if any Power can exert more Force in one Direction than another; we are here able to

Force in one Discillon than mother; we are here able to employ it in its greatefieres.

Thus, e.gr. a Horic cannot draw in a vertical Direction; but draws usin all in Advanage, in a horizontal one. By changing the Vertical in Advanage, in a horizontal consolidation of the Control of the Paulity in End paulited to the Rope AD, falling the Weight Fuffereded from the Control of the Paulity of the Paulity in Sut the goal of the Paulity in the Control of the Control of the Paulity of the Paulity in Sut the goal of the Paulity of the Paulity in Sut the Section of the Control of the Paulity of the Paulity in these freezes of the Control of the Paulity of the Paulity in these freezes of the Control of the Paulity of the Paulity in these freezes of the Control of the Paulity of the Pa

But the grand Use of the Palley, is where several of 'em are combined; thus furming what Vitrovius, and others after him, call Polyspass; the Advantages whereof are, that the Machine takes up but little room, is easily removed, and raifes a very great Weight with a very m The effect of Polyspatta is founded on the following

Theorem.

3°. If a Power apply'd in B<sub>1</sub> (Fig. 51.) fuffain (by means of a Poly/poffan) a Weight F, fo as all the Ropes A B, H1, G F, E L, C D, are parallel to each other: The Power will be to the Weight as Unity to the Namber of Repec, H1, G F, E I, C D, drawn by the Weight F; and therefore as Unity to the Number of Fulley, higher and therefore as Unity to the Number of Fulley, higher and

lower, taken together.

lower, taken together.

Hence, the Namber of Pulleys and the Power being given, 'tis eafly to find the Weight that will be diffatined thereby: Or, the Namber of Pulleys and Weight to be fullained, being given, the Power is found: Or, the Weight and Power being given, the Namber of Pulleys the Polyphysis with condition, is cond. See Polysayaron. 40. If a Power move a Weight by means of feveral Pulleys; the Space pass'd over by the Power will be to the Space pass'd over by the Weight, as the Weight to the ower.

Hence, the fmaller the Force that fuffains a Weight by means of Palleys, is; the flower is the Weight raifed: So that what is faved in Force, is fpent in Time.

FULMO, in Anatomy, fee Lungs. Practo Marinus, Soc. Longs, among Naterality, light fragenous adoly of filming Golow, the Cryfist, in-termixed with blue, and shally of a Figure referming in-termixed with blue, and shally of a Figure referming. It feitness stop of the Water, and in possibility fappole and the stop of the Water, and in possibility fappole Excrement of the Sea, hardned by the San. It filmes in the Night-time, and communicate in lamin-tation of Poppersy in 6 soften rabbel themselves. If the graph's

roperty to a stick rabbet toorewith. Being applyd to the Skin, it raises an Itehing, and takes off the Hair. PULMONARY Feffiti, in Anatomy, are those which carry the Blood from the Heart to the Lungs, and back again from the Lungs to the Heart.

These are two in Number; viz. the Pulmonary Arters

and Vein.

and Vein.

The Pulmonary Arters, which the Anticats call'd Vena Arteriofa, the Arteriofa, in, is, to reality, an Artery, and composed, like the reft, of teveral Tanics.—It at arise from the right Ventricle of the Heart, and divides into two large Branches, which fab-dividing into feveral finaller, diffusion infelf throughout the whole Substance of the Luogs. See The Fulmonary Vein, which the Antionts call'd Arteria

The Fundancy seth, which the Antionis Cale Officers, Venfig, the Venous Arterys, conflist of four Membrans like the other Veins. It arties in the Lungsfrom an infinity of little Branches, which and noting in our Trank, opens into the left Ventricle of the Heart. See Heart.

For the Office of thefe Veffels, for CIRCULATION. See alfo RESPIRATION, EC.

Mr. Comper gives us an Inflance of a Polypus in the Pul-monary Vein. See Polypus.

PULMONARY CONTENS.
PULMONARY CONFIDENCE.

IS what we properly call a Firthight. See Purmass.
PULP, in Fruint, the Fifth 3 or that part between the
Skin, and the Core, or Seed. See Figure.

Sum, and the Core, or Scal. See Fauvr.

The Pulpo Tiree, or Plant, is the Parenchyse, which
gows and fixells by means of a Juice, as first very coarfe
gows and fixells by means of a Juice, as first very coarfe
See Parrier of the Common of the Common of the
Fuzz, in Medicine, the fattell, fulled, and most folid
part of the Field. See Flash.

part of the Fig. . See FLESH.

Physicians apply the Word particularly to the upper part
of the Belly; because fielding and because 'tis here that
they feel Animals, to examine whether they be far.

This part the Latinz call Pulpa, from palpare, to feel,

Pule, in Pharmacy, is the foft part of Fruits, Roots, or other Bodies, extracted by infution, or boiling, and paffed

thro' a Sieve.

PULPIT, PULPITUM, a Term now restraio'd to an Elevation, or Apartment in a Church, whence Sermons are deliver'd.

Among the Romans, the Pulpis was a part of the Theatre, call'd also Professium; or what we now call the Stage, whereon the Actors mod; the forme fay it was properly an Eminence thereon for the Music, or a Suggestum whence

Eminence thereon for the mone, or a suggestion whence Declamations, &c. were flowlpit, Puspire, for a Reading-Deak in a Charch, Library, or the like: Thofe large ones in Charches, they properly call Latrint.

Some Authors derive the Word from Publicame, because

Some Authors derive the Word from Yabiletim, because People are there expeded to open view.

PULSATION, in Medicine, the Motion of the Pull's 5 or the Beating of the Artery. See Pulse.

PULSE, in the Animal Oceanomy, the beating, or throb-

hing of the Arteries. See ARTERY.

The Pulle is that reciprocal Motion of the Heart and Arteries, whereby the warm Blood thrown out of the left Ven-

tricle of the Heart, is so impell'd into the Arteries to be by them distributed throughout the Body, as to be perceivable by the Finger. See Broom.

The Pullation of the Arteries arifes from that of the Heart; and has, like it, a Syftole and Diaftole; the Syftole of the one corresponding to the Diaffole of the other.

Haran, Survell, UC.

Globa tells up, that Hipperates was the first who obferred the Motion of the Pulls. M. Hondery necession the

specificial history of the Pulls. M. Hondery necession who

perfectly like that we commonly observe in the Artesia.

Its adds, that he is the first Author that ever mention'd

fact a thing. See Vinn.

The Pulls is thus accounted for.—When the left. Ven
ticle of the Heart contracts, and throws in Hisod into the

tricle of the Heart controlls, and throws in Blood into the great Aners; it hadoed in that Arrey; is met only thruit great Aners; it likewise diated because Fluids, when they are period, peris again towards all foliacs, and their prefiner is always preposited to the fider of the containing Verleis always preposited to the fider of the containing Verleis always preposited to the fider of the containing Verleis always preposited to the fider of the containing Verleis always preposited to the fider of the containing Verleis always preposited to the fider of the containing Verleis always always the fider of the containing Verleis always always the fider of the fid

(909) stend the fides of the Artery a and thus is a Motion of Di-

And when the Impetus of the Blood against the sides of the Artery ceases, that is, when the left Ventriele ceases to contract, then the spiral Fibres of the Artery, by their naural Elasticity, return again to their for mer State, and con-tract the Channel of the Artery, till it is again dilated by the Syltole of the Heart; fo that here is a Motion of Refin-tation effected.

This Diatiole of the Artery is call'd its Pulfe, and the time of the spiral Fibres returning to their natural state, is

This Pulfe is in all the Arteries of the Body at the same time: for while the Blood is thrust out of the Heart into the Artery; the Artery being full, the Blood must be pro-pell'd in all the Arteries at the fame time; and because the Arteries are conical, and the Blood moves from the Basis of the Cone to the Apex, therefore the Blood is con-sinually prefling against the Sides of the Vessels, and confesimally preting against the Sides of the Veffels, and confi-quently every Point of the Artery must be dilated at the fame time that the Blood is thrown out of the left Ventricle of the Heart; and as foon as the Elasticity of the fpiral Fibres can overcome the Impects of the Blood, the Arteries are again contracted.

Thus, two Caufes operating alternately; the Heart, and Fibres of the Arterics, keep the Blood in a continual Motion. See Circulation.

rion. See Carcuarion.

The Objectation of the Pulfs is of the last Importance to a Physician; both as it discovers the State of the Heart, the first Morer in the Animal Parane; and as it shews the Nasare, Quantity, and Motion of the Blood, that universal Hamoour shereon all the rest depend; and as it indicates the condition of the Artery, the primary Vestle of the whole

Body.

A firong Pulfe, then, denotes, r. A great Mulcular Force
of the contracting Heart; and, confequently, the firength
of the contracting Gasle; i. c. a. A brisk and copious Inflax of the nervous Juice into the Villi of the Heart.
3. Plenyof Bluod.
4. A laudable Secretion and Circula-

tion of Humours

tion of Furnours.

A firting Fulfe, therefore, is a good Prefage, if it be alike throughout the whole Body. Indeed it is frequently fallacious in Apopledits, and fome other Difeafes; where the Paffage herween the Heart and the Frain is free; and in other parts, especially the Vifeets, obliruelled.

other parts, eleperating the vitcots, obstructed.

A reack Puje denotes the contrary of the former; the this form mes deceives, particularly in fat People.

A hard Puje fignifies, 1. That the Membrane of the Arcery is dryer than ordinary: And, therefore, s. Obstructions in the monte Veficles whereof the Membranes of the Arcery ways. 2. That the Arcery is a fall, have Hratchons in the minute veneric medicion the incembiance whe Arreya re wave. 3. That the Arreise are full 3 but, 4. That their Capillary Extremities are oblituded with an inflammatory Vitcidity. 5. That the Blood is very dense and compact: Hence, 6. That the Circulations, Secre-

tions, and Exerctions are depraved.

A feft Pulse denotes the contrary to all these; yet is very ous in an acute Peripheumonia

fallacious is an acute Perriphenemia.

A flow Paille decourse, 1. That the Contractions of the
Heartare flow is and, therefore, 2. A Slownefic of the Influxes of the nervous Juice from the Brain into the Villi
of the Heart. 3. That the Blood has circulated a great
pumber of Times. 4. That all the Humoners circulate
easily they their Vestics. Indeed if the Paille be thus from Weakness, 'us an ill fign.

A quick Pulse denotes the contrary to all these; as Acri-

ones, Spirus agitated, Fevers, Phrenzy.

An equable Pulse denotes a constant Tenor of the vital

Functions; an unever one the contrary.

Fundly us; an unever one the contraty.

An intermitting Pulfs likew Life in a flippery Situation.

An intermitting Pulfs is either owing to a fault in the
nerrous place, which flows unequally into the Heart; or in
the Vetfel which transfinits the Blood and Humwars; or to

\*\*Vetfel.\*\* The Caufe of this Diforder is various, as Convultion

The Caste of this Diforder is various, as Convultions,  $P_{ij}$  of the Sophymix, Incheshman in the simulations, was to Blood, beep or cartilaginess Arteries,  $\mathcal{G}e$ . A fitness, copable, and, at the fame time, flow  $P_{ij}\theta_i$ , or all unbers the beth. A fitnes and great y or times and low  $\mathcal{P}_{ij}\theta_i$ , operate, are good. A weak, finally, hard, anequal, intermitting, quick  $\mathcal{P}_{ij}\theta_i$ , is of all others the worlt. Yet in all their binsp, regard mult be lad to the nature of

Yee in all thele things, regard must be had to the nature of the particular Artery, the Age, Sex, Temperament, Affections of the Mind, the fix Non-naturals, Habit of Body, Session, Country, 50°. All which have an influence on the Pulfe, A Dimination or total Suspension of the Pulfe, is reducible, either to a Laspothymia, where it fails to such degree, as that there is learce strength left to fusition the Body. See LEIPOTHYMIA.

Or to a Leipoppiebia, when it stifes to a fentible Diminution of the natural Heat. Or to a Syncope, when the Heart fails, fo as the Heat, Motion, Scules and all are almost deftroy'd.

Or, lastly, to an Applywar, where those are all absolutely desiroy'd as to sense, and Death infelf seems in peffection. See Swince, E. G. Potes is also used for the Stroke, with which any Medium.

is affected by the Monoa of Light, Sound, Co. through it-

See Light and Sound.

See Light and Sound.

Sir Ifaac Newton demonstrates, lib a. Prop. 48. Princip.

That the Velocities of the Pulfer in an Eistine Fluid Me-

dium, (whose Elasticity is proportionable to its Density) are in a Ratio compounded of half the Ratio of the Elastic Force directly, and naif the Ratio of the Dentity inverfely: So that in a Medium whofe Elasticity is equal to its Dentity, all Puljes will be equally fwife. See Medium, Fluid.

O c. Pulse, Legumen, in Botany, a Term used for those Grains or Seeds wasch are gather'd with the Hand; in contraditinction to Corns, Se. which are reap'd, or mow'd. Pulfe is the Seed of the leguminous Species of Plants. See LEGUMI

The Word is primarily understood of Grains that grow in Pods; as Beans, Peas, Verebes, &c. but is also used, by Extension, for Artichooks, Asparagus, and other Kitchin-Roots and Herbs.

DULSION, or Truffen, the Act of driving, or impelling thing forwards. See TRUSION.

The Word comes from felle, I drive. See ATTRACTURE OF TRUSTON. ion and ELECTRICITY.

TION and ELECTREITY.

PULTURA, in our old Law-Books, desotes a previous

Examination; from pulpor, to ask, or demand, thus
call'd on account of the Monks, who, c'et they were admitted into the Monafteries pulposar ad fores, for feveral davs .- Et volo ut fint qui ets de ommibus Causis & Que relis, & plactis Ballicorum & Prategirorum Hundredt & a Pultura Scrjanorum; i.e. from the Exampation of Serjeants; & de rewarde Foreflarum, i.e. the Visitation of the

PULVERIZATION, the Act of Paleerining, or redu-

FREEZE PULVIS Fulminans, or the thundering Powder; fee ULMINANS Pulvis

Pulvis Patrum, the Icfaits Powder & fee Convex and UINAQUINA. PUMICE Stone, Pumer, a kind of spongeous Stone, very porous and friable. See STONE.

Naturalits are not agreed about the Nature and Origin of Pumice -Some look on it as pieces of Rock half-burnt of Prantee — Some took on r as pieces of Rock nati-ourn and calcand, caff up in Eruptions of Volcano's, particularly Etmand Polymins, into the Sea; and which, by being there wash'd in the Salt-water, lays affect the black Colour that the Impression of the fubterranean Fires had given it, and

becomes whitish, or fometimes only greyith, according as it has floated more or left in the Sea. Other Authors will have the Pamice to rife from the

Other Authors will have the Tennite to rife from the bottom of the Sea's whence they imposed is described by faboreraness Frees, and hence account both for its lightness' firmation berood, that Tennite's its requestly found in parts of the Sea far remote from all Volcano's; and adding, that feveral parts of the Archifepting are frequently found co-vered within, all as once, after a few loward flatkes and Tennite States, are reconfidently during the season of the Tennite States are reconfidently during the season of the Tennite States are reconfidently during the season of the season Pumier makes a very confiderable Article in Commerce,

and is much used in the Arts and Manusactures to polish and fmooth feveral Works. See Polisitino, &c.

Its pieces are of feveral Sizes: The Patchment-Makers and Marblers use the largest and lightest.—The Carriers the heaviest and flattest.-Pewterers the smallest Pliny observes, that the Antients made confiderable use of Pumics in Medicine; but it is out of the present

PUMP, Antlis, in Hydraulies, a Machine form'd on the indel of the Syringe, for the railing of Water. See Syringe. Vitravius alcribes the first Invention of Pumps to Crefeber

the Athenian, whence the Latins call it Machina Crefethe Athenian, whence the Latint call it Australia China, or Organom Créphium,
Pumpi are dittinguish di into leveral Kinds, with pegard
to the feveral Manners of their alling—as the Common,
fometimes call'd the Oxiding Pump, which acts by the
prefilare of the Air, and whereby Water is raised our of a
lower into a higher Place not exceeding thirty-two Peer.

The Fereing Pamp, which acts by mere impulse or pro-trusion, and tastes Water to any Height at pleasure :—And Cressles's Pump, the first and fined to for all, which acts both by Suction and Expulsion.—The Structure of each is as follows. Structure and Action of the Common or Sucking Pump. 1. A hollow Cylinder or Barrel ABCD, (Tab. HX-DROSTATIOS, fig. 27.) is provided, of any folid Matter, utually Wood; and erected perpendicularly in a Spring, or other Source of Water: The lower Bafe of the Cylinder

being fift fitted with a Valve I, which opens upwards.

2. A Fifton or Embolus, call'd the Sucker, EK, furnified with a Valve L, which opens upwards, is let down the Cylinder; and for the mere caly working upwards and the Cylinder; and for the mere caly working upwards and the Cylinder; and for the mere call working upwards to the Cylinder in the C

and downwards, furnish'd with a Lever, as G H. See EM-BOLUS and VALVE.

Now, the Embolus E L, being drawn up from I to L, will leave the Space L I word of Air, at least in a great measure for The pressure, therefore, of the Air on the

measine for The prefixer, therefore, of the Air on the Syrice of the inguinent Water prevailing will, by the Laws Syrice of the inguinent Water prevailing will, by the Laws Christ Chri

See the Theory of the Pump more accurately laid down under the Article Syamor.

### Structure and Action of a Forcing Pumr.

In a Chinesh B, (Fig. 43) a thried by a Dis-plangun, or transferric piece, CD, fitted with a Valve E, et al. (1997) and the control of the control of the transferric piece, CD, fitted with a Valve C, it is full than the control of the control of the control of the transferric piece and the control of the control of the piece and the control of the Now, upon depending the Embelse F, the Water will open the Valve C, and thus affection the Cavity of the open the Valve C, and thus affection the Cavity of the though the three into Pallings for it that way. The Valve E, threefers, becomes peedle, and the Water mount have it, and by repeating the Agistism of the Embelse, 1 The prest difficulty of reddlying the Pamy when it.

The great difficulty of rectifying this Pump when it happens to be out of Order, on account of the chird Seat of Action's being under Water, makes People decline the Ufe of it, when they can do well without it is notwithflanding its Advantage of raifing the Water to any given Height.

#### Structure and Action of Ctefebes Pumr.

A brafs Cylinder A B C D, (Fig. 29.) furnish'd with 1. A 0743 Sylmeet A B D.D., (Fig. 39.) samme A 2 Valvein, i., spleced in the Water. L. in this is futted the Einholus M K, made of green Wood which will not feell in the Water, and adjusted to the Aperture of the Cylinder with a covering of Leather; but without any Valve. In H is fitted on another Tube N H, with a Valve that

opens upwards in I.

occurrent in I.

Now, the Emblas E K being risk, the Ware open the Valve in I., and risk note Caviny of the Cylinder—
the Valve in I., and risk note Caviny of the Cylinder—
the Valve in I., and risk note Caviny of the Cylinder—
the Valve in I., and risk note Caviny of the Cylinder—
the Caviny of the Caviny of

Bur-Pumps, call'd also Bildge-Pumps, are chiefly ufed by the Dutch, who have 'em by their Ships-fides. In thefe is a long Staff with a Bur at the End like a Gunner's

Spunge, to furnity and a pur at the End like a Gunner's Spunge, to furnity as the Bildge-Water. See Bur-Punt, Air-Punt, in Pneumaties, is a Machine by means whereof the Air is emptied out of Veffels, and a fort of Vacuum produced therein. See Air and Vacuum. For the Invention, Structure, and Ufe of this Pump ; fee

Police invention, or nature, among of roll ramp, and Ain-Pump.

PUN, or Punn, a Lufus Verborum, or Point, the Wit whereof depends on refermblance between the Sounds or Syllables of two Words, which have different, and, perhaps, contrary Significations. See Point and Wit.

Such arc — Cane Desane Cane — Far Mole, Mole. Mole. — Lex Dei, Lux Diei. — All-houtes are Ale-houfes. — The holy State of Matrimony, is become Matter of Money

—Jax 20st, Jax 20st.— All-bodic as Alckonders—
The body States of Manimency, is become Shatter of Monays,
the body States of Manimency, is become Shatter of Monays,
the time of Noalt Ah no.——L'Ordre tire da Diplyrate, or
Julyrate Ordens, is the Title of a French Book,
noalty and Sapolice, ore allowed of in Convertions,
Determ a Molastely bendific ont of the grave, ferrors, and
Sapolice, registers, Mondegals, and the life Compositions,
Determ a Molastely bendific ont of the grave, ferrors, and
Becasy which centific in formeling gers and cleavant.
The Gravitz and Rosson, its tree, tenezimes included
themselves the Entities, and and other me Oranness in
which are noted of with—Devile Symbols, Robary,
which could be of the Convertigation of the State of the Convertigation
with fine has noted for With—Devile Symbols, Robary,
With Charles and State of the Convertigation of

and parcel out the Plates of Gold and Silver wherewith they cover their Moulds.—'Tis large, round, four, or five Inches high, the bottom hollow for about half an Inch,

Inches high, the bottom hollow for about halt an Inch, wellfield, and the Edge very flarp.

To use it, they extend the Place of Metal on a leaden Table or Block, and with a pretty heavy Hammer, fisher the Head of the Panels, Es. See Burron Making. In the Manage, a Punch Horfe, is a well-fer, well-knit Herfe; fhort-back'd, and thick-fhoulder'd, with a broad Neck, and well lined with Flesh.

Punon, is also a fort of compound Drink, frequent in England, and particularly about the Maritime Parts thereof;

little known elfewhere. See DRINK.

Its Basis is Spring-Water, which being render'd cooler, brisker, and more acid with Lemon Juice, and sweeten'd again to the Palate with fine Sogar, makes what they call Sherbet; to which a proper Quantity of a spirituous Liquor, as Brandy, Rom, or Arrae being super-added; the Liquor commences Punch. Several Authors condemn the Use of Panab as prejudi-

Several Authors concerns the Ute of Y-Bowe as prejudi-cial to the Brain, and nervous System.—Dr. Cheyae infilic that there is but one wholefome Ingredient in it, which fome now begin to leave out, vib. the mere Element. See WATER, BRANDY, RUM, ARRAG, SUCAR, EC. The preportions of the Ingredients are various; a futally the Brands and Water are in goal (Aparities).

The preparison of the Ingredients we stream; shally the Brazdy and Water are in equal Quantities. Some, initied of Ler on Juice, set Lime Juice, which makes what they call rande Regard Jossad left inhot on Markes what they call rande Regard Jossad left inhot on Some alls make Ablik Purach, by adding near as much Milk to the Streets at their is Water, which emports are much Milk to the Streets at their is Water, which emports are much Milk to the Streets at their is Water, which emports with the Arimony of the Lenson.—Others prefer The Purach Lattly, What they call Purach for Cadeword-Radial is must without any Water is of Lime Juice, Harspeal with a little Conges and Lenson-Jules is role as must by with Sugar. PUNCHIN, or Puscinos, in Baidlage, See Practices.

PUNCHION, a little Block, or Ficce of Steel, on one End whereof is fome Figure, Letter, or Mark engraven either in Creux, or in Relievo; Imprefficus whereof are taken on Meal, or fome other Matter, by firking it with a Hammer, on the End not engraved. See Engraving.

Sc. There are various Kinds of these Pumphions used in the Mechanical Area—Such, for inflance, are these of the Mechanical Area—Such, for inflance, are these of the Goldfinishe, Culters, Pewerser, Sc. See Mar, where Pumpinos, in Colinion, is a piece of 10se flexity, where con the Engraver has cat, in Relieve, the feveral Figures, Arms, Engly, Inscription, Sc. that are to be in the Mattect, wherewith the Species are to be mark d. Sce Mattec, wherewith the Species are to be mark d. Sce Mattec, wherewith the Species are to be mark d.

TRICK, We. Coincreditinguish three Kinds of Punchions, according to the three Kinds of Martices us be made: that of the Effing, that of the Crofs or Arms, and that of the Legend or in-

that of the Crois or Arms, and that of the Legend or In-fering the Crois of the Crois of the Crois of the Crois for the Crois of the Crois of the Crois of the Crois for Arms, e.g., a Flower-de-Ip, s. 4 stays, a Ceroset, §6. by the Affemblage of all which, the entire Matrix is form d—The Parachests of the Legend only contained a laterta, and ferve cepally for the Legend on the Effigy-field, and the Crois of the Crois

For the Manner of Engraving, Tempering, and Stamping theft Punchions, to form the Matrices; for Engraving Seet, Markix, &c. Penchions, in Printing, are those used in framping the

Matrices, wherein the Types, or Printing-Characters, are

caft. See Letter-Foundeny. PUNCHION is also used for several Iron Tools of various Metals—Scal-Gravers, particularly, use a great number; for the several pieces of Arms, &c. to be engraven——— And many flamp the whole Scal from a fingle Punchion.

See ENGRAVING PUNCHION is also a common Name for all the Iron In-

figureents used by Stone-Cutters, Sculptors, Lock-Smiths, Those of Sculptors and Statuaries, serve for the repairing Statues, when taken out of the Moulds. See Statue,

ing Natures, when taken out of the Montals. See SYATUS, FOUNDERY, Striks use the greatest Variety of Punchious; The Lock-Smiths use their for piercing cold; fome flat, fome for piercing hot, others for piercing cold; fome flat, fome (quare, fome round, others oval; each to pierce thoise of its respective Figure, in the feveral parts of

Locks.

PUNCHION, OF PUNCHIN, OF NEEDLE, in Carpentry, a piece of Timber placed upright between two Potts wi bearing is too great; ferving, together with them, to fuf-nin fome large Weight. See Bearing, &c.

The Punchion is usually lower and flighter than the

Pofts, and is join'd by a Brace, or the like, of Iron. See PosT.

Function is also a piece of Timber raised upright under the Ridge of a Building, wherein the little Forces, &c. are jointed —Virravius calls the Panchion, Columen. Punchion is also ased for the Arbour, or principal Part,

of a Machine, whereon it turns vertically; as that of a of a feature, whereon it turns volcturity; as that of a Crime, &c. See Crane.

Punction, is also a Measure for Liquids, containing 1 of a Hogshead; or 48 Gallons, or 4 of a Tun. See

EASURE

The Paris Punchion is the fame with their Demi-queue: t Rouen, it is three Bushels, So.

PUNCTATED Hyperiols, in the higher Geometry, an Hyperbols, whose oval Conjugate is infinitely small, s. e. a Peint. See Curve and Hyperbola.

PUNCTION, or PUNCTURE, in Chirargery, an Aper-ture made in the lower Belly, in Dropfical Persons; to dis-charge the Water: call'd also PARAGENTESIS; which see-

charge the Wester and 100 K and Ackes Y 2011; yourse new PUNDCTULATION, in Grammar, the Art of Painting; or of dividing a Dictouric into Periods, and Members of Periods 1, by Points, experding the Paulot to be made in the reading thereof. See Sayrakex, Paa nop, \$5c.
The Points afted herein are Goury 2016. By Painting Colon, Societies, and Commar. See the particular Ules of each under in proper articles; Ostonic, Coton, Farmon, and

SEMI-COLON

NEMI-COLON.

\*\*Puntlimation is a modern Art—the Anticuts were entirely unacquainted with the Use of our Communs, Colons, 15c.

and wrote not only without any Diffulction of Members,
and Periods, but also without Diffuelction of Words: which
Carfforn, Lepfalm observes, continued till the handered and
faurth Olympial's during which time, the Seafe alone diwided the Difcourte. See Poistry.

In the general, we shall only here observe, that the Verbs, and fuch other parts of a Period as are not necessarily join'd together—The Semi-colon serves to suspend and sustain the Period, when too long—The Colon, to add fome new, supernumerary Reason, or Consequence, to what is already faid—And the Period, to close the Sense, and Conftruction; and release the Voice.

and Contraction; and release the Voice.

PUNCTUM, in Geometry, &c. See Porny.

In the Schools, they have their Punctum Terminans, which is the indivisible Extreme of a Line, beyond which

no part of the Line extends. See Line.

Puntlum continuous, which is an indivisible Magnitude
between contiguous Points of a Line, whereby they are
connected, and from whence arifes a Continuity. See Con-TINUITY.

And Punctum Initians, which is an Individible, from which the Line begins.

which the Line begins.

Pencrum Formatum, or Generatium, in Conics, is a
Point determin'd by the Interfection of a Right Line
drawn thro' the Verex of a Cone to a Point in the Plane
of the Rafe that coullirates the Conic Section. See Conx. and Conic.

Puncrum ex Comparatione, is either Focus of an Ellipfis and Hyperbola; thus call'd by Apollouins, because the Rectangles under the Segment of the transverse Diameter Rettangles under the Segment of the transverte Diameter in the Ellipfis; and under that and the Diffance between the Vertex and the Focus, in the Hyperbola; are equal to one fourth part of what he calls the Figure thereof. See ELLIPSIS and HYPERBOLA.

ELLIPSIS and HYPERBOLA.
PUNCTUS Linesus, in Geometry, is a Term used by fome Authors for that Point of the generating Circle of a Cycloid, or Epicycloid, which, in the Gensis produces any part of the Cycloidal Line. See Cyclory, 87.

part of the Cycloidal Line. See Cycloin, Cir.
Punctum Salieni, in Anatomy, the first Mark of Conception of an Embryo, which is in the place where the
Heart is form'd. See Conception, Harr, and Em-

This is eafily observ'd with a Microscope, in a Brood-Egg, wherein, after Conception, we fee a little Speck or Cloud; in the middle whereof is a Spot that appears to beat, or leap a confiderable time, e'er the Fistus be form'd ready for hatching. See Egg: See also Generation.

and EMBRYO

and Basawo. Ledypands, in Annony, a little Hole in Punctives Ledypands, in Annony, a little Hole in Glandial Ledwynnelis. See Lacintwiss. PUNCTURE, in Chivarger, Er, any Wusund made by a pained Inframent. See Morans. Amonghit in dunper of the Loft of a Limb, and even of Life, by the Puncfure of a Tracks—The Parient, here, does not immediately feel any pains but well only and the the Clyeral inc., com-

feel say pains but welve Hours after the Operation, com-plains thereofs not in the Fundition if fell, but in the parts tending rowards the Armysin—The wanted part levels to the part of the Complete of the Particles or Lhore, which is the chief Diagnostic of the Particles Tandinis. See Taxness. PUND-BRECH, from the Saxon Fund, Forest, Found; and Brech, Fredland, Breckling, denote the iliqual taking of Carel and of the Found; differ by breaking the Found,

picking the Lack, or otherwife. See Pound.

— Si Pund-breeh fiet in curia Regis plena Wyra fit : alibi quinque Manca. Leg. Hon. 1.

PUNISHMENT, a Penalty impos'd upon the Commif-on of fome Crime. See CRIME.

"Tis effential to the Nature of a Law, that it import or decree a Punifiment to the Transgressors thereof. See

The Forms and Magners of Punifoment are various in various Countries, and Ages, and fur various Crimes; as Treafon, Felony, Adultery, Parricide, &c. See Adultery, Tery, &c.

TERN, EG.
Among the Romans, the Pecuniary Punifoments were the Malla and Conficatio—The Corporal Punifoments were Capital Diminute, Agua & Egni Interdello, Proferipio, Departatio, Relogatio Furca, Crue, Garver, Culeus, Equaters, Seale Grownia, Dammatic ad Gladium, ad Metallem, Plagelatic, Talio, Ge. moit of which fee deferited under their refpective Articles.

their retypective Articles.

Among as, the principal Civil Punifoments, are Fines, Daprifoments, the Stecks, Pillory, Burning in the Hand, Whipping, Gaustring, Backmag, Backmag, Startering, Startering, Transportation, &c. See Fine, Pillory, Corennatorous, Gallows, Girber, We.

The Lockflastical Punifoments, are Conferent, Supponsions,

Deprivations, Degradations, Excommunications, Anathoma's, Penances, Sc. See Censure, Suspension, Devel VATION, DEGRADATION, EXCOMMUNICATION, ANA-

vation, Degraphicon, Excommunication, Ana-rhem, Frankret & E. The Military Pumpinents, see, being Steet, Russning the Ganatelpe, Klading the wooden Hoffe, Bilbost, U.C. Among the Turks, U.S. Installing, Editionals's on the Soles of the Feet, G. Solinia, See 1strains. Or FUNITORY Interest, in the Civil Law, fisch latered Money as it dos for Delay of Psymens, Breach of Per-Money as it dos for Delay of Psymens, Breach of Per-

mife, i.e.
PUPIL, in the Civil Law, a Boy or Girl, not yet artiv'd
at the Stare of Puberry; i.e. under fourteen Years of Age
the Boy; and twelve the Girl. See Puberry.
While a Minor remain'd under the Direction of a
Tator, ho was call'd Pupil; after Puberry. Carator being affigir'd him, he cealed to be call'd a Pupil. See Tu-

ang angga a unit, no ceated to be call a nearly. See I v-rox and Curarox.

A Tutor is obliged to pay Interest for what Mooies of his Papii lie dide and unemploy'd—A Tutor is allow'd to do any thing for his Papii, but nothing against him.

PUPILLA, Puril, a Anatomy, a little Aperture, in the module of the Uven, and Ins of the Eye; thro which the Rays of Light pals to the Crystalline, in order to be painted As of Light paint one Crystalline, in order to be painted on the Ketting, and cased Vision. See Evr and Vision.

This breach, that was one forced to all various Arthurst Control on the Vision of the Vision of the Provision in the Psys of Annuals, whereby to find to one muce, and admit fufficient Light; by the Changes in the Aperture of the Tupil, See That solved.

The Structure of the Uverand Iris is lack, as the by their light in Court Light to Collins on any order to the Uverand Iris is lack, as the by their light in Court Light to Collins on any order to the Uverand Iris is lack, as the West Iris of the Vision of the Uverand Iris is lack, as the Vision of the Uverand Iris is lack to the Uve

fure; to as to accommodate itself to Objects, and to admit more or fewer Rays, as the Object being more vivid and near, or more obscure and remote, requires more or lefs Light—It being a conflant Law, that the more lu-minous the Object, the smaller the Pupil; and again, the nearer the Object, the smaller the Pupil; and vice verfi-See Uvea and Ray.

This Alteration of the Pupil is effected by certain Mulcu In Strenation of the Paper is executed by certain status-lar Fibres on the Custific of the Usea's which are form'd of Nervea detach'd hither from the Selectorica—Thefe Fri-bers proceeding, flraight, from their Origin towards the Centre, terminare in the Orbicular Limb or Verge of the Paper, which confliss of Orbicular Murcles's whereby the Figure and Space of the Pupil are defined.—The first, or longitudinal Fibres, dilate the Aperture of the Pupilla;

longitudinal Fibres, dilate the Aperture of the Tayatia; the latter, or orbicular ones, confiringe it. Some Authors, however, astribute the Motions of the Pripilla to the Lagamentum Gillare's and other think, that both this, and the Fibres of the Uses, concur herein— both of the Cayatian Confirmation of the Cayatian Some Derhom adds, that while the Papil opens, and flusts is the Cayatian Cayatian distribution of the Cayatian line, and bringe Lindon. See Gill the Cayatian see the Cayatian see that the Cayatian see the cayatian see that the cayatian see that the cayatian see tha the Object is more or lefs remote. See Ciliars, &c.

The Figure of the Pupit in various Animals, is wonderfully adapted to their various Circumstances and Occasions.

naily adapted to their various Circumitances and Oceasions. In forme, e.gr., in Man, 'its round; that Form being fixeth, for the position of our Eyes, and the various use we make of them in all Directions.

In others, 'itselliptic or oblong; is forme of which, e.gr., the Horse, Sheep, Ox, gite. the Ellipsis is transferrse, and the Fisure large, to enable them to fee laterally and even with a little Light; and there by both to gather their Food the better in the Night, and to avoid Dangers on either fide-In others, e.gr. the Cat, the Ellipfis is erect; and also capaand the cape of the cape of the cape of the cape of the latter of which, that Animal can cot of the cape of the latter of which, that Animal can cot of the cape o imb, &c. See Evr.
PUPILLARITY, the State of a Papil; in opposition to

Puberty. See PUBERTY.

Paberty. Sec Pebrary.

Hagg, alig, Papil comes to be ufed, by way of Extenfion, in Universities, E.s. in the feafe of Allmanus, for a
Youth under the Education, or Difficiplise of any one.

PUR BECK Stone, fee Srones.

PURCH-68S, in Law, the Acquisition of Goods, viz.
Lands, Tenements, E.s. by means of Money; in courtadifficition to thole defecteding from Ancettlers, See Goons. diffinition to thole defeeding from Ancethors. See Goods. Purcarias, in the Seal-language, has the firm Signification with draw, at Land.—Thus, they fay the Cappian guntable s-pace, i.e. draws in the Cable apace. And when they cannot draw or hale any thing in with the Tackle, they fay, the Stake will may purchase.

FUKE, something free of any admixture of foreign or

PUNE, tomething free of any admixture of foreign or heterogenous Matters. See Pun Fig. 1710s.

Hence Pure Elemanyna, Pure Almit, a Tenure whereby the Charchmen hold Lans in Scotland, formewhat on the feeting of the primitive Clergy. See Tirruss.

Pune Mypribla, in Geometry, is an Hypribla without any Oral, Noice, Duke, or Computer Division.

Pens Hyprible, in Geometry, insa Hyperbola without as (Vost, Note, Nybe, et Congagate Fonis. Ge Cears. Vers. Mathematics, for Marinemaries.
PURSELW, a ferm in Hendrig, expeding Ermines, PURSELW, a ferm in Aready, expeding Ermines, Postar, et al. (In Every When they compute Bordare Post, when they compute Bordare Postar, in the Post Postar, in the Po

PURGATION, in Pharmacy, is a cleaning of a Medicine, by retreaching its Superfluities; as the Wood and Seeds out of Caffia, Stones out of Dates Tamarinds and other

Printe. PURGATION is also used in Chymistry for several Preparations of Metals, and Minerals; to clear 'em of their Impurities: more usually call'd Purification. See Purist-

The Purgation of Mercury is performed by patting it thro's Chamois Skin. See Mercury.

Gold is purged by the Coppel, Cementation, &c. See

Gold is proget by the Coppel, Cementation, E. See Goors, Correst, Commentation, E. See The Fungations of other Menths are perform? by repeated Plenon, E. See Marzat, Eff. Plenon, The See Marzat, Granting, and Medicine, siling from a quick and order! Contraction of the Medicine, miting from a quick and order! Contraction of the Medicine, miting from a quick and order! Contraction of the Chylic, correspond to Somethin, and Intellines, where by the Chylic, correspond to the Comment of the Chylic Chylic, correspond to the Chylic Comment of the Chylic Chylic, correspond to the Chylic Chylic, and the Chylic Chylic, correspond to the Chylic Chylic, and the Chylic Chylic, correspond to the Chylic Chylic, and the Chylic Chylic, correspond to the Chylic Chylic, and the Chylic Chylic, correspond to the Chylic Chylic, and the Chylic Chylic, correspond to the Chylic Chylic Chylic, and the Chylic Chylic, correspond to the Chylic Chylic Chylic, and the Chylic Chylic Chylic Chylic Chylic Chylic Chylic Chylic, and the Chylic TINES, EC Purgation is one of the principal Species of Evacuation.

See EVACUATION. For the Means and Manner wherein it is effected, for PURCATIVE.

PuncaTYPS., in Lw, is the clearing one's fall of a Crime, whereof he is accorded before a Judge. See Thy Aux. The Company of t

of his honest Neighbours, not above twelve, as the Cours shall affign him, to swear, on their Consciences, they believe be fwears truly.

The Vulgar, and most antient Manner, was by Fire, or Water, or Combar; used by Insidels, and by Christiana too, till abolished by the Cinon Law. See ORDEAL, WATER, COMPAT, &C. Combat, the now diffafed, may yet be fill practifed by the Laws of the Realm, in Cafes where Evidence is want-ing, and the Defendant rather chufes Combat than any other

ing, and the Defendant rather chaffs Combat than say other This. See Survivant, Dee, C., CHANTICH, SEE, CHANTICH, SEE, CHANTICH, SEE, CHANTICH, SEE, CHANTICH, SEE, C., CHANTICH, C., CHANTICH, C., CHANTICH, C., CHANTICH, C., C., CHANTICH, C., CHANTICH, C., CHANTICH, C., CANTICH, C., CANT

TRADEDY. Menfirual Puncarions, the Catamenia of Menfes of

See MENSES. PURGATIVE, or Purging Medicine, a Medicament which evacuates the Impurities of the Body by Stool ; call'd also a Cathartic. See Stool, Pungation, and

CATHARTIC. Purgatives are divided, with regard to their Effect, into Gentle, Moderate, and Violent.

Gentle Pargatives are fuch as operate very mildly; as Tamarinds, Caffia, Manna, Rouberts, Senns, and most of the Mineral Waters. See Cassia, Manna, Rhubars, Ec.

The Moderate purge fornewhat more briskly, as Jalap, Scammony, &c. See Jalap and Scammony. The Violent operate exceffively; as Coloquintida, Hellebore, Laureola, &c. See Coloquintida, Hellesone,

Purgatives are, again, divided with regard to the Humour they evacuate, into Phiegmaggues, Chalagogues, Malanogogues, and Hydrogogues; each whereof fee under its proper Article Prize Macoove, Cholagoone, &c.

The modern Physicians reject this Division; and show the Operations of all Purgatives to be alike.

## Theory of the Operation of Pungatives.

Purgatives make one of the most important Articles in Medicine—Their Effect is produced by vellicating and irritating the nervous Fibres of the Stomach and Intestines 3 and thereby urging om to an Expulsion. See STOMACH and INTESTINE.

An Idea of the Manner of their Operation is thus given us by Dr. Cheyne

A Purgative Medicine being received into the Stomach, by the Mouth, its Particles do there vellicate or filmulate the Fibres of the Stomach, and thereby increase the digestive the Fibres of the Stomach, and thereby increase the digestree Faculty, i. e. bring the mufcular Fibres of the Somach and the Mufcles of the Abdomen and Disphragma into more frequent ContraBioso than ordinary i till the Medicine is admitted into the Inteffines, the Fibres and Glands where-of being more feafible than those of the Stomach, (whose of being more feasible than thole of the Stomach, (whose Parts by the frequent, rough Contach of one against ano-ther, and of the good Bodies often thrown into it, are, as it were, deadard) it easily mores and brings cm into frequent, fortible Contractions, whereby their Glands are fqucez'd.

fqueez'd, and fo omit a fluid Matter, which lubricates the Faffages; and which mixing with the feedlest Matter of the Faffages; and which mixing with the feedlest Matter of the missianting Quality of the "Engagitive Medicine); condensed more fluid; by which, and by the uncommon Contradition of the Intellines, it patters more earliery and plentifully into the Intellines retilines, and in thence ejecthed by Stool.

That of general Varger at \$\frac{1}{2}\$, and only cleanly the Intellines are the Intellines and Intellines and Intellines are Intellines and Intellines and Intellines and Intellines and Intellines are Intellines and Int

mTass do gende Theorem 3, and only cloude the Inellinos frow of het Particles careful, in by the Latical
Velan for an office the Blood——that is solden Topvelan for the Blood——that is solden Topand powher here, many times, very gener Effects, by eacationing nontrust Permentations by feptrating the natural
continued produced the produced the produced of the concing the fright Theor of the Velan and Americe, bring
their time more feetble Conventions, and thereby accelcing the fright Theor of the Velan and Americe, bring
their times a pool, friend many but becomes
times a good, formerine as a bull field.

As to the Effects of Progration, on minual Bodics, Dr.
openions to the produce of the Now, in both Cafe,
Montherse, will be forfied, and those off, and carried
forward with the office of the Other office of the
former of the North Cafe, and the Cafe,
Homelous and the bother of the Other office of the
former of the North Cafe, and the produced forward own the other Constants and they will also be
Hence in smolelly, how a spraging Modeline Intellers as in

more agiused, and thearcader'd more fluid.

Hence in a smidth, how a spright wholine haltens as the Hence in the house of the state of the state of the Hence in Purge.

As to those Purgatives distinguish'd by the Names of Chologogues, Hydragegues, Phlegmagegues, on a Suppolition of an elective Quality therein; they may be accounted for upon more intelligible Principles.—For when the Difcharges by Stool difcover an Over-proportion of any particoarges by stool cincover an Over-proportion of any particular Humours, it is to be inppefed there was a Reducedance of fuch an Humour, whose discharge any Irritation would occasion. Thus in proportion to the Proximity of some Humours in the lottelinal Tube, and the Disposition of the Passages to convey them that way, do they require greater or lefter Vibrations, or Shakes of the Fibres to fetch them

For this Reason, the brisker Catharties, which vellicate the Membranes moft of all, pump out, as it were, from all the Mefenteric Glands, and neighbouring Parts, their Contents, which because they abound so much with Lymphatics, and vifeid watry Humours, make the Difebarges

thin and watry

thin and warry.

Those which act in somewhat a lower degree, yet irritate
enough to deterge and draw out a great deal of nuceus
and viscid Matter, which sometimes by lodgment and and victod Bilatter, which fornetimes by lodgment and want of due Morion, changing into various Colours, occa-fions the different Names of Philogmor Childer. As the former therefore pair for Hydragogues, is do the latter for Pargers of Philogm and Choler. See PHILDER, CIDLER, WE. But there is another Principle befides that of a Stimulus,

But there is another Firmisple belides that of a Stimulius, whereby a paringing Medicine is anothled to another its intention 5 via. by failing the Humours, and rendring them more fluid than before, whereby they are better faired to pals off by their proper Emuncionies.—Those which conflict or very fabric and active Tarra, are not fo fendible in the larger Patinger, because of the great Quantities of Matthewshich lays to operat Load upon them, and makes them which tays too great a Louis upon tent, and thacks them sucheeds is but when they are got into the Blood in any confiderable number, they divide and fafe those Cohefions, which oblitted, or move heavily along the Capillaries, and foor the Glands, infomuch that every Pullation throws fomething through the intellinal Glands, which goes away by Stool, that the refluent Blood had wash'd away and

by Stool, that the criticut Blood had walf'd away and brought held from all parts of the Both, which are fail to brought held from all parts of the Both, which are fail to from the property of the property of the property of the from the property of the property of the property of the tits.—And this is the Reafon, why purping Modeleines of the tits.—And this is the Reafon, why purping Modeleines of the tits.—And this is the Reafon, why for the property of the tits of the property of the property of the property of the property of the reaforts to Secretory Office, which are fitted for its Paffage,

oftener, either by accelerating the Blood's Morion, or breaking it into more Particles of that particular Size and Toulisation, will interease the Secretion. According, therefore the Party, where fach Secretions are colarged, as the Go of the Intelines, Kidneys, or Skins are the Medicines, while the Intelines, Kidneys, or Skins are the Medicines, while Johnston and Comparison of the Comp

in, call'd cither Centarities, Dimeritie, or Diepherries.

See Arranavire, Scenarios, Ger.

The Zimin plantende fonce Improvements the Deliries

The Zimin plantende fonce Improvements the Deliries

Erec'd, and Analogy with other Medicines with the Centarios of their Preparation, Management, Ger. in a Delocartie, intered in the Philiphyl Propalled. The Sale Delocarties of the Propagation, Management, Ger. in a Delocartie intered in the Philiphyl Propalled. The Sale Propagation of the 
CINES That this whole Course of Circulation,

or animal Motion, is naturally diffinguish'd into three different Stages, by the different Capacities of the Vedels, and Morions of by the different Capacities of the Votile, and the American their Contents, each having in proper Outle 5 and that their Cantents, each having in proper Outle 5 and that their are the Seas of the inter Concolloms, to defin members, and the Seas of the inter Concolloms, to defin members of the Capacity and the third that Space within the Blood's Motion, for are it and the Space within the Blood's Motion, for are it and beyond Canada, that they can be concolled the Capacity and the third of the Space within the Blood's Motion, for are it at the proof of the Capacity and the third of the Space Concortons, Eurocarons, CS.

3. That every Modeline white Canadatte Eurosation is an analysis of the Space Concortons, Butter Const. 3.

4. That every Pange operate as a Diffativent, by falling the Julies of the Space Concortons of the Capacity of

oring me statter in the experience, ottener to the fections of Courtey; or boulet; or both are only premifed in order to prove this Table Populates are conly premifed in order to prove the grand Proposition, That a Change in the Balks, Pigures, and Motions of the component Particles of a purging Medicine, will change the Seat of its Operation, and fit is for exertion in the larger or fmaller Veilels, as those mechanisms. nical Affections are intended, or remitted.

For Illustration hereof, it may be convenient to attend to the common way of making a Purge operate, more or lefs, than it otherwise would do.

test, tidan it otherwise would do. Subtances, then, which are grofs and heavy, as those confitting chiefly of faline and earthy Patricle's fach as Tartar, Manna, and the like, when reduced finaller by Trituse, or repeated Solations, operate more gently shut when acasted by Acids, or any way made to expose their Angles more plentifully to the Membranes, they become rougher, and looner take effect.

angel mere pennauy in the demonstance, may occome Angel mere pennauy in the demonstance, may percent pennaughter, as Sammony, Cambopy, Jaly, and moi of vegetable prodelitos, are more voiced; and operate foxer, when they are more remeation, and adherent pennaughter of the pennaug

hardly weif at all till it reaches the furtheit tages of Car-citation. See Antymory.

Mercury for five little thomous as Medicine, and its first Preparation which make it into Sublimate, for loads; it with filter. Officially, that it amounts even to a Paidies; but the more thick Opinile, that it amounts even to a Paidie; just the more thick Opinile are broken by Triver, Sublimation, the most thick of the preparation of the thick of the milker both it operate; and if in the committee time of the paiding of the product of the order of the first, but in the last Stago of Operation. See Markeyay, SATEMATOR IS.

SALIVATION, Ec.

SALIVATION, Co. This floort View may be fufficient to fliew, 1º That it is the too great Afferity, and Motion in a Medicine, that will not fuffer it to past the Stomach, without irritating it into Convulfions, as will throw it up again by Fower. See EMB-Tic and VOMITING.

2°.That a farther Comminution, and fmoothing its Figure, will gain it admittance into the Bowels, and caufe it to

operate, as a proper Purgative, by Stool. 3º. That

5°. That a yet further Remiffien of these Properties will convey it into the Blood, and allow it there to promote Execution by Urine. See Univ. and Divarrie.

And, lastly, that a still farsher Commination will pair into the minated Cansit, whereby the fame Properties, only in a lower degree, it will easife Sweet, or noversher Perspiration. See Pragricas 2000, Sweet, Or noversher Commission of the Properties of the Properti T10, 86. Hence it appears, that the more fubrile Medicines operate in the Capillaries, and fmalleft Fibres by the fame

Mechanifm, that the more grofs once do in the common Stream of the Blood, when they go off by Urine; or as the groffedt of all do in the greater Passages, when they

promote Evacuation by Stool.

Province Evizuation by Sixol.

Hence it is widner, that the Skill of preparing and administrag of Medicines conflish in proportioning their manifelt, and known Properties to the Capacity, and Circumsthaces of the Part they are to operate in such opinion of the intendigual of their mechanical difficultions, as they are fooner of later to take place in the greater of intallet Veffith.

Of the first Class there are also to be douced from the control of th

Or the first Ulais there are new to be recursed limital enough to go beyond the larger Enlarges, and none of them are worth the pains they require, to fit them further than for Directies ! Befides, their natural Direction to attract, and join with the ferous Part of the Blood, whenever they have been their than of Maline, many though the but he will be the part of and you with the lerous Part of the Blood, whenever they get into that flage of Motion, runs them off by the Kid-neys, before they can undergo Commination cought to get either; but if by frequent Repetitions of (web Medicines, and an uncommon Lastry of the Paflages, any thing is paffed into the Habit, their Gerffiels foult the delicate brainers, which are defined for their Expulsion; and they collected the property of the Collected of the Collected of the Collected Delication and the Collected of Collected Collected to the Collected Collected (Collected Collected Colle lodge upon the Glands and Capillaries in fuch manner, as to induce Intermittents, which is observable in many Persons, after a long use of Cream of Tartar, the common cathartic Salts, and the purging Waters, especially at the latter end of the Summer, when the heat of the preceding Season has debilitated the Solids, and left 'em under too great a Relaxation.

Among the refinous Purges, there are many very power-ful ones, but where their Operation is defir d in the Vifeers, Bloed, and remore pars, they must be extremely divided a odd this we find fpiritious Mentireums will do, by taking up the most subside parts only, and carrying them into the very small Passages, where they operate chiefly by susson, because the softness of such Substances cannot enable them, because the fortices of fact's Subliances cannot enable them, hardly in any degree, to elsa Nimmil, further, at least, than as ordinary Devergent. And that we find that Abore to the chief of this Them, persent, when managed with a finitions Wentliuwm, as in the Timilium Substantiam Wentliuwm, as in the Timilium Suran Wentlium, as in the Timilium Suran. The Real Timilium and Cheapural Riversity, with all of the vegettale Kind, that well vivid no a finitenest layour, sar, by the standard of the Chief Suran Action 5, where they will prove efficacious Medicines in Cafes, which, with other management, they would never be able to reach 1. And on this account it mait undoubtedly be able to reach: And on the accountr must undoabtedly have been, that we frequently meet, in practical Writers, with many Materials of this fort mention'd as Alterants; the Colorynth particularly by Helmont: for all Medicins which operated in the farthest Paffages, they commonly

which operated in the lattice and along the state of the include under that general Appellation.

But the most efficacious Furges, and those which require the most Skill, are procured from the Mineral Kingdom; these abound in Solidity beyond any other Materials, and their abound in Solidity beyond any other braces, and therefore wherever they are brought into Action, necessarily exect in quantity of impulie: Many of these therefore want not only the atmost Comminution to carry them into the farther Secnes of Operation, but also some restraint of their Asperities, and Motions, to fit them for many Intenwhe farber Secone of Operation, but allo form central and the contrast of the

negation of we secured nor relatifiest, and the more they negative of the secured nor relations, the measurement of the secured nor relationship, the measurement of the relationship of t

by a natural Preparation are fitted for Operation in the mi by a surral Preparation are fixed for Operation in the mis-surell part of an animal Body tacks us the off or the Are-matic Kard, all which, most exist in the other animal beautiful and more a Displacedia. For their could be common for fixed more a Displacedia. For their could be common for fixed for their countries of the common for their countries of the Salts, covered with a most fixed bullyber, as it demo-sities to the common for their countries of their features of the countries of the countries of their Faundation, where a very volatile national Salt is covered with a must exclude suggested. Oil, whereby it is finted to poli into the minuted Fishers, and make, not were, a part And he term that you be sanifix to other, that all similar to

of the animal Spirits themselves,
And here it may not be smife to observe, that all animal
Salts are very Volatile, or easily rendered 60 p but when
bete and naked, gift as the Fire draws them out, with a
Mixture also of its own Particles in their Camposition, they
are too pangent to be felt without painful Statistions, and
when soften d with a sine Portion of tomewhat of an opposite
the state of the stat

Texture, which is smooth and yielding, they become molt

of the confideration it likewife coafes to be a won-der why the fubtile Salts of Cantharides are more feelibly ner way merutulie Sains or Cannarance as thoretening injurious to the Bladder, than any other Parts, and why Camphire prevent those Injuries; for the exquite Smallness of thole Spicule makes them imperceptible, but in the most minute Canals, into which the Fibres compassing the Membranes of the Bladder are known to be divided; and Camphire blunts their Irritations, because its exquisire Sub-tility enables it to follow them into those Meanders, and

uilly enables it to follow them into their menecers, and finesis their Afgeria eye remarkable, what many particularly the properties of the foreign them into the finest Passes to operate by Passes, and the bare force of many be refrinted from manife (Departies in the wider Passes, and the Clinical subort the Mooth; but even the menecal Turchts, which or itself, in stand Dels, which we have the properties of the wider passes of the properties of the wider of the properties of th Medicine of lefs specific Gravity.—In this Management the Camphire is to be mixed but a very little while before taking, otherwife it harh not the effect; which appears to proceed from its great Volatility, which makes it in a great mediure exhale while it stands mixed in a Me-

As to the Doses of Purgatives, Dr. Cockburn attempts to determine 'em on the following Suppositions-10. That no part of 'em operate but in the Blood. 20. That they ope-rate there, by changing the Blood and other circulating

Fluids derived from it.

Fluids derived from fi.

Them which Peplitate be concludes, that is the firm Consiliution of Blood, the Dole requir'd to produce the like Effects, and the propertionable to the Blood's Quantity of the third propertional to the Blood's Quantity of the third properties of the third produce to the firm of the properties of the Blood's Quantity of the properties of adolb Pobe to alter two founds to the firms degree, and attriple Dole to three Pounds, 26°. And amivenishly the Quantity of Blood's, require the Dole of the Quantity m's requires the Dole of the Fee as \$0.25 to \$1.00 to \$1.0

PURGATORY, in the Rossife Church, a Place where the Just are supposed to fuffer the Pains due to their Sias for which they have not fatisfy d in this World. See Mz-

arris, Ansolution, etc.

The by the Mercy of God, the Indulgences of the Church, and the Prayers of the Faithful, that People are supposed to be deliver'd out of Pargatory. See In nur-CE, &C.

O INCL. Co.

10 Irteland is a Place call'd St. Fatrick's Purgatory's
where, as the Legend has it, as the Prayers of St. Fatrick
Biftipp of the Place, there was made a vibble Reperientation of the Pains which the Wicked undergo after Death,

in order to deter Sinners, Ec.
PURGE, in Medicine, a Term frequently used for a
porgarive Medicine; as Cassa, Rhubarb, Ec. See

PURIFICATION, in Chymistry, Sc. the Act of Pa rifying, or Refining Natural Bodies; or of Separating the

#### (915) PUR PHR

Faces and Impurities therefrom. See PURGATION, FINING, &c. For the Methods of Purifying Metals, Gold, Silver, Iron, Copper, Tin, &c. See Maral, Gold, Silver,

For the Purification of Semi-metals, Minerals, and other Matters, as Autimony, Sulphur, Camphor, Salpetter, &c. See Antensony, Sulphur, CAMPHOR, &c. PRILITER ATION, in Matters of Religion, is an Officing made the Prieft by Women riling out of Childbed, e'er they be re-admitted into the Church.

they be re-admitted into the Church.

By the Law of Mofer, a Woman after bringing forth a
Male-Child, was uncless forty Days; after a Female,
eightyDays. During which time, the was not to toach any
thing Holy, nor to go near the Temple; but to continue
within Doors, teparate from all Company and Commerce

of orders.

This Term expir'd, the was to prefent herfelf at the Temple, and at the Door of the Tabernacle to offer a Lamb, as a Holocauft, and a Pidgeon or Turtle, which the Prieft taking, offer d to God, and pray'd for her that fine might

purify'd.

be Furty 6.

This Geremony, which confided of two things, a Holocauft, and a Sacrifice of Expiation, was call'd Purification.

The holy Virgo, the 'according to the Fathers, exempt from the I erms of the Law, yet comply'd therewith; and at the Time preferibed went to the Temple and according the Life of the Charles of the Life of the Charles of the yearly folemuizes the Feast of the Purification of the Virgin, on the fecond of February; call'd also the Feast of Candle-Sec CANDLEMAS.

The Fraft of the Punification forms to be very antient.
The ordinarily faid to have been inflituted in the Time of "Is orthusniy (sid to have been intituted in the 'Imme of flightinian, in the Year 544; said this, on excision of a literative which that Year diffeopled almost the whole City of Conglustingle. Year as thereform who imagine it to have been held before, the' in another manner and on a different by from that find by 'fightinian,' who, between the Circumstifien and Epifebrary.

The fame Day is the Erightanion of our Savieur in the

The Inm. Day is the Prophesistics of our Services in the Temple. See Parisary Nations. Temple. See Parisary Nations. Temple. See Parisary Nations. The Parisary National Paris

Square twelve Inches and nine Inches.

Square reache Inches and dine Inches.
PURLUE, or FURLILE, or FURLILE, is all that
Ground near any Forcit, which being made Foreft by our
anieur Kings; was, by Peranbulatine granted by Some of
their Successions, Sever'd again from the Inne, and may
pure and free from the Laws and Obedience
of the Forcit. See Forlar.
The Word in formal from the Funch fore, pure; and

rom, place.

A Popurius, or Peurallee, is defined a Circuit of Ground, adjusting to the Forest, and circumferibed with immore-ble Boundaries, known only by Marter of Record; which Campals of Ground was once Forest, and afterwards diff-safterched by the Ferambulations made for the fevering the new Forest from the old.

new Forcell from the old.

Puriess or Peurallus; commenc'd after the manner following.

King Henry II. at his Accession to the Crows in 1545, took for much delight in the Forcels of this Kingdom, that, our being contented with thate he found here, the many and large, he began to calarge divers of them; and to afforcit the Lands of his Subjects near adjoining to the Sec Apportsting

His Successors, Richard I. and Henry II. far from re-trenching or refloring any thing; made still further In-troachments; and thus did the Lands continue till the 17th Studenments; and thus did the Lands continues fill the 17th Year of King John; at which time, the Grit-rance being grown notorious, and generally felt by all degrees of Footber divers. Noblemen and Gentlemen belought the King to graat, that they might have all those new Affordations, made by his Predeceffors are fortified, and himself, disastrelled again 1 and the King, after much Sollicitus, was at length prevail? on to full fortibe, and felt inch Articles. concerning the Liberries of the Forest, as they then de-

manded, being for the most part fash as are now constained in the Charter of the Forest. See Canara & Heyglid.

The Charter of the Forest. See Canara & Heyglid.

The Charter of the Forest. See Canara & Heyglid.

The Charter of the Forest See Canara & Heyglid.

The Charter of the Charter of substantial Juries for revering all the new Forests from the old: upon which, two Commissioners were fast to take those Inquisitions; in virtue whereof, many great Woods and Lands were no only distributed for timproved to arable Land by the Owner thereof. See Disapponarying.

Laud by the Owners thereof. See Disapponential, one of After this Charter was made and confirm?, Some of these features are made and confirm?, Some of these features are represented by the professional of the confirmation of Record, which were the old, and which the new: Tho's appears that the greatest part of the new Afterstations were this remaining during the List of King Heavy III.

\*\*Dusting Education\*\* It right Perturbations bring the List of King Heavy III.\*\*

fet on foot; three Eifhops, three Earls, and three Barons, were at length appointed to fee those Perambulations perform'd and continu'd; who caused them to be made actorni a and continu a; who caused them to be made ac-cordingly, and logolificious to be taken thereupon, and re-tum'd into the Court of Chancery; and all thofe, that were antient Ferest, to be meered, and bounded with ir-removeable Boundaries, to be known by Matter of Record

for ever.
Those Woods and Lands, that had been newly afforefled.
Those Woods and Lands, that had been newly afforefled,
the King likewise caused to be reparated from the old, and
to be return'd into the Chancery by Marks, Merce, and
to be return'd into the Chancery by Marks of Record for ever.

to ever. Thus it appears, how the Particus, or Pearallies, had their first beginning; for all fach Woods and Lands as were affecteded by Henry II. Ricker's I. or King John, and by Perambalations fever'd from the anient Foreths, were, and yet are call? Paraullies, q.d. Woods and Lands fever'd from the old Foreths, and disfificrefied by Perambalation 1. Pouralles being the fame as Perambulatio in Latin. See PERAMBULATION.

PRAMETYATION.

Bue notwithlanding fish now Affiscultuious were diffiforefield by Penambalation, whereby the finne became
proceeding to the process of the process of the proforest the process of the process of the proforest the process of the process of the proforest the process of the process of the pro
forest forest process of the process of the pro
forest forest process of the process of the pro
forest forest process of the process of the pro
top of the process of the process of the pro
top of the process of the process of the pro
top of the process of the process of the pro
top of the process of the process of the pro
top of the process of the process of the process of the pro
top of the process of the process of the process of the process of the pro
top of the process of th so other terior magacitam turn heneit of notting in the Peturalke, befide the proper Owner of the Soil thereof, who is left at liberty to fuffir the Pouralke to remain Fo-reft fill; as fome, in effect, have thought most expedient, because hereby entitled to the Benefit of the Common within the Foreft, which otherwise they were excluded from. Hence, if the Benefit chaves to model; on of the Foreft Hence, if the Beafts chance to wander out of the Foreit into the Pourallee, the King hath a Property in them fill, mto the Pointaine, the King hath a Property in them fill, against every Man, but the Owner of the Ground wherein they are, who hath a Special Property in them, rations felt yet fo as he may only take them by hunting, or the fing with his Grey-hounds, or Dogs, without any Forefall, live or Execution about a hair Conference when the conference where ling or Foresetting them in their Course again towards the Forest.

reft. See HUNTING, FORESTALLING, Co. Beside what has been hitberto faid of the Difference be tween Forest and Parlies, or Pourallee, there is this far-ther Diversity, that all the Woods and Lands within the Regard of the Forest, are absolutely within the Bendago Regard of the Ferch, are sholutely within the Bondage and Catage of the Forcit, as well in reject of the Owner thered, as of my other Forcit as well in reject of the Owner thered, as of my other Forcit on the new years and the Regard of the Forcit, without Licence from the Kings of the Forcit, without Licence from the Kings of the Kinds, or model the wild Bealts of the Forcit, without Licence from the Kings of the Forcit, without Licence from the Kings of the Forcit, without the Willes find the Forcit, which will be a force of the Forcit, which will be a force of the Forcit of the Fo

are not subject to incle Retirections.

Ket are not the Woods and Lands in the Pourallies, abfoliately freed from the Bondage of the Forell in refpect
of the wild Bestis having their Hausts therein, whose they
happen to firsy out of the Forell's hat as they were once
abfoliately Forell, for they are full conditionally fo.

PURLUE-Man, or PURLIEU-Man, or POURALLEE-Man, is one who had Land within the Purlue; and is al-low'd or qualify'd to hunt or course within the same, the' under certain Restrictions.

under certain Keltrictions.

By Statt. 13 Richs. he who may lawfully hunt in any Fouralles, ought to have Woods or Lands of Frechold within the Fouralles, to the yearly Value of 401.—By Stat. Jes. he ought to have Lands of Inderitance of the yearly Value of 101. or Lands of Frechold of the yearly

Value of 50 L or have Goods worth 200 L or be the Son of a Knight, or Baron, or Person of a higher Degree, or of a Knight, or Baren, or Perion of a higher Degree, or Son and Met appeared of an Edginger-But by a later Ad, and of the many states of the period of the control of the officers of the control of the clear years, Value of 4.0. For each above and Chaptes, and Reporte, of fact Littee of laboratory or or in Right of his Wife, for Term of Life or Lives, of the years Value of 8.0. For and above and chapter, and CALLES, and the control of the control of the control of the years Value of 8.0. For and above all Clarges, and CALLES.

or other Owner of the Forest. But if the Pourallee-Man first make his Chase in his own Freehold, he may purfue the fame thro' every Man's Ground within the Pouralise, provided he enter not into the

2. If a Purlies Man begin his Course in another Man's Ground, within the Pouralles; and his Dogs fasten on a wild Beath, before it can get within the Bour reft, and the Beatl draws the Dogs into the Forest, and is there than by them; here the Pouralles Man thall not en-ter into the Forest, nor take the Reast to kill d, because his Course was irregular from the beginning, as be could

ns Courte was irregular from the degining, as we could claim no Property in the Bestl, rations of so was Pouralles. 5. A Pouralles-Man may hant in his own Pouralles, with no more Company than his own Servants; nei-ther may be appoint, license, or warrant any other Person, except his Servants, to hant by his Commonandment in his

4. Every Pourallee-Man is forbidden by the Laws of the Fureft, to hunt in his own Grounds within the Pourallee, every day, or oftner than three days in any one Week, Sunday excepted.
5. Nor is any Man to diffurb, or make a Courfe after

any Deer found in his Poursilies, within forty days after the King hath made a general Hunting in the Foreit adjoining thereunto; became then the wild Beatls of the Foreit come not into the Pouralless of their own accord; but as they are forced into the fame by the Hunters, with Clamours and Blowing of Horns; fo that they fly thither for Refage.

No Man shall hunt within feven Miles of the Borders of the Forett, or in his own Pourallee, within forty days next before the King hath iffued out his Proclamation, declaring his Royal Will and Pleafare to make a general Hunting in that Forest.

loafmuch as the Postralless were once, and in some fense fill are, Forest, it was necessary to have Officers to attend, and take on them the Charge of the Preferention of the Game that may happen to wander out of the Forest, into the Pourallers; fince otherwise the Laws of the Pourallers could not be executed, but the Forest would foon be de-

could not be executed, but the Forest would from be de-froy'd by the Fouralise-Mon.

For this reason, Rangers were first appointed; who, the' not Officers in the Forest, yet appertain thereto; for all Officers in the Forest have Charge or the Vers, and Veall Officers in the Forett have Charge of the Vert, and Ve-nifon of the Foreth; but at Ranger that no Charge of Vert, but only of Venifon coming out of the Forett into the Postrallets, his place of Charge; from whence his Office is to conduct the fame back again into the Forett. See

RANGER.

This Officer is appointed by the King, or his Chief Jus-sice in Eyre, and made by Patent, with a Fee commonly

of ao, 30, or 401 or more, by the Year, payable out of the Exchequer, as also certain Fee-Deer, both Red and Fallow, to be taken annually at proper Scasons, out of tha

The Subffance of his Oath is, to rechafe, and with his Hounds drive back, the wild Beafts of the Foreft, as often as they range out of the fame into his Pourallee; to prefent all unlawfol Hunting and Hunters, of wild Beafts of Venary and Chafe, as well within the Pouralless, as within the Forest; and to present those, and other Offences, at the next Court of Attachments, or Swainmote, which shall

first happen-Rangers, it is to be observed, belong only to such Pou-ralises, as were once the Woods and Lands of the Subject, and were afterwards difafforefled again, and so became Pouralless: Hence, as there are fome Forests in England, which never had any Enlargement by new Afforeitations, and therefore have no Pourallees at this day; there can be

no Rungers belonging to them.
PURPLE, PURPURA, a red Colour, bordering on Violet; made chiefly with Cochineal, or Scarlet in Grain. See

let; made cheeft; with Occameal, or Seriet in Grain. See COLOUR; fee also Ran, See ARLEXT, COLUMNSAL, Ed.

Par file was much effected a smong the Antients; effectially the Vyrian Parfie, which underwent more Dyes than the reft, and which was atmost peculiar to Emperors and Kings.

Yet this Parfie did not exceed that now in afe; the chief Reafons why the former has been dilated, are, that the later is both cheaper and finer.

The antient Purple was tinged or given with the Blood of a testacous Sex-fish, call'd by the Greeks supplys, and by the Latins Purpura; whereof we have Descriptions in veral Authors, and Shells in most of the Cabinets of the

In the Seas of the Spanift West Indies about Nicoya, is found a Shell-fifth which perfectly refembles the antient Purspars, and in all probability is the very fame: This Fish, Gage tells us, usually lives seven Years 3 it hides itself a little before the Dog-days, and continues to difappear for

liftle before the Dog-days, and common to otherpoor not soon Days reasoning. Days reasoning the production of the Spring, and try year. They are gathered plearnishly in the Spring, and try and the Collins, refermibles for the Surface of the Surfa

on the Coafts of Somerfeightes, South Pules, Ec., where it is found in great abundance.

The Fifth, M. Rassumur oblevves, is a kind of Buccinum, a Name given by the Antients to all Fifthes whose Shell bears any refemblance to a Husting-Horn; and it appears from Films, that part of the antient Purple was taken from this, that part of the antient Purple was taken from this kind of Shell-Fifth.—So that this may be effected.

this kind of Stell Prift.—So that this may be effected, a convey of what had been fapprofied entirely ion!

The Michael of obtaining the Colour, the Author deferrises the convey of what the convey of the convey of the Michael of the Prift. So when the Month of the Fifth downwards, for a most provided the Body and the broken pieces being pickled off, there appears a white Vet high grantfurefly in a little Farnow or Cleff next the Head of the Fifth.

Cleff next the Head of the Fifth.

Indeed, Indeed, a present self rift of sighty green Co-beins Idd on Lingua, appears at fifty of sighty green Co-beins Idd on Lingua, appears at fifty of sighty green Co-

being Isid on Linnen, appears at first of a light green Co-lour, and if exposed to the Sun, soon changes into a deep green, and in a few Minutes into a Sea-green, and in a few more into a blue; thence it foon becomes of a purplif red, more into a blue; inence it soon occomes of a purpujo red, and in an Hour more of a deep Purple ed. And here the Sun's Action expires; but by washing in fedliging Water and Sony, and drying it, it becomes of a most bright, beautiful Crimfons which will bear washing

most bright, occurred Crimion; which will be walking admirably without any Stypic. Sec EKIMSON.

The Fifth, be observes, is good Food; and adds, that there are feveral Kinds, differing in Size, and Shell, and also in the Colour of the tinging Liquor—There are some

ound on the Coasts of Poicton M. Reaumur has discover'd another very different Kind M. Resumer has discover'd another very different kind of Purple—It is produced in oval Grains, about a quarter of an Inch long, and about one thick, full of a white Liquor bordering on yellow, which cover certain Stones or Sands, about which the Buccina of Poillow ufasily afferm-

By the Experiments M. Reassour has made, it appears that thefe Grains are neither the Eggs of the Buccinum, nor the Soeds of any Sea-Plants, nor any rifing Plants, but the

Eggs of fome unknown Fifh. Thefe Grains being bruifed on a white Linnen, at first only tinge it yellow, and that infenfibly; but in three or four Minutes give it a very beautiful purple red, provided the

Linnen be exposed to the open Air; for the Air of a Room,

fo call'd, because all the Grand Signor's Treasure in the Seraglio is kept in Leather Bags of this Value.

latter is more watry, and only faline; whereas the other

interest and one control of the cont To oblige them to yield the greater Quantity of Froth, they lay them on a Plate, flake and bear them against one another; upon which the Plate is immediately cover'd with the Froth, which is received on a Lannen Cloth, and

hecomes Purple in proportion as it dries.

P. Labat observes, that if this be the real Tyrian Purple,
the Secret of preparing and fixing it is lost; this Colour
being found to dwindle and diffipate, in proportion as the

en dy'd with it is wash'd. The fame Author gives us the Description of another Purple Dye produced by a Plant growing in the Antilles— The Juice of this Tree, when cut standing, is of a blood-red, and communicates the same Colour to Cloths; the', like

the former, it lofes much in wufhing. PURFLE, in Medicine.—The Purple Fever is a kind of Plague, or a Mulignant-Fever, discovering itself in Evaptions on the Skin like the Bites of Bugs, or Fleat, or like

tions on the Skin like the Biess of Bugs, or Flees, or like Grains of Millet or the Small-Pox, whence it is fome-times also call'd the Spatted Fever. See Feven. The Eruptions are red, orange, violet, azure, livid, or black; and when they rife in great quantity, 'tis effecm'd

a good Sign.

a mod Sign.
Smeriment her Prend to a great extent, like ExpSpolari, scording richer du oa great extent, like ExpSpolari, scording richer de languari en extention and the extension of the extens four other Colours .- They rather effect it a kind of mean Messl; fometimes Metal, and fometimes Colour. Hence the Spaniards call it una mission; fo that one can-not lay it on Metal and Colour without fallifying the

Add; that many take the Purple, as it is accounted, on many autient Bearings, by which fome of the Moderns would evince the regularity and legitimacy of this Colour in Armory to be no other than Silver turnish'd.

Spelman, however, in his Applingia, allows Purple the reference before all other Colours, as having been an Enfign of Royalty for many Ages ; yet he allows it to have been excluded by the autient Heralds, as only an imperfect

It is reprefented in Engraving by tranf-erfe Strokes drawn from the dexter Point of the Chief,

Priorat. de Kirkeham.

In the Coats of Noblemen it is cell'd Amerbys, and in those of Princes Mer-

PURPRESTURE, in our autient Law Books, from the French Pourprift, and Pourprest, q. d. Integre arreption, est pro-prie terra aliena clandestina subtractio, ejustemque vicina

SCRIPTION. See POURPRESTURE.
PURPRISUM, of the Franch Pourpris, a Clofe, or Ecclofure—Alfo the whole Compais or Extent of a Ma-

nor or Place. — Donavi eis meum Purprifum de Kirkeham & Domos meas & Molendinum & Prata, Sc. Charra Walteri Espec.

PURPURATI, i.e. the Sons of Emperors and Kings. Subrigenss, lib. 3. cap. 4. Mainsbury, lib. 3.
PURREL, Anno 35 Eliz. cap. 10. A List ordained to
e made at the end of Kerseys, to prevent deceit in dimi-

nishing their length. PURSE, e manner of Accounting; or, as fome call it, a Species of Money of Account, much used in the Levan; particularly at Confinningolo. See Money of Account, The Purfe consists of about 112 Pounds Sterling—"Tis

This Method of Accounting, the Tayks derive from the Greeks, and they from the Romans; the Emperors whereof

The sentence of accounting, the paper agents from the brought is to Ginglansingle, as appear, from a Learner of Coplantine to Carinas Bifting of Carthure, quoted by Establishment to Carinas Bifting of Carthure, quoted by Establishment of Carinas Bifting of Carthure, quoted by Establishment of Carinas Bifting of Carthure, quoted by Establishment of Africa, Mental and Mantriania 1 I have were to Africa, Mental and Mantriania 1 I have were to Africa, Mental and Mantriania 1 I have were to Africa, Mental and Mantriania 1 I have were to Africa, Mental and Mantriania 1 I have were to Africa, Mental and Mantriania 1 I have were to Africa, Mental and Mantriania 1 I have were to Africa, Mental and Mantriania 1 I have were to Africa, Mental and Mantriania 1 I have were to Africa, Mental and Mantriania 1 I have were to Africa, Mental and Mantriania 1 I have were to the Africa Mental Paper 1 I have the Africa Mental Paper 1 I have the Africa Mental Mantriania 1 I have the Africa Mental Ment

and pay off the Men according to the Purfer's Books.

PURSIVENESS, among Patricis, Brokes Wind; a
Name common to all those Discases in Horses, whose prin-

cipal Seat is in the Lungs; proceeding from an Ulcer, or fome inward washing thereof, wherein the small Vessels are word or abraded by the Sharpness or Assimony of the com-mon Discharges. See Parmisss.

The like Diforder may also arise from a Stage

hindering the Air from penetrating to as to lift up the Lungs in the Act of Respiration; or from tough and muc Marter separated in the Branches of the Wind-Pipe. The usual Occasions are Cold, Surfeirs, and other Difea-fes not thoroughly carried off—Furfive Diforders may also arise from unwhole/ome Food, bad Air, hard Ri-ding when a Horfe is full.

The Signs are commonly a heaving and heating of the The Signs are commonly a nearing and nearing or me Flanks; a whoreing and rattling. Sometimes the Kernels about the Throns will fwell, and there will be a glandulous Running at the Nofe, which is the utmost Stage of the Difenfe, and usually reparted deferents, See GLANDERS. PURSUIVANT, ICE POURSUIVANT, INTRODUCT ANCE 6. DARMEN NOT.

PURVEYANCE, fcc POURVEYANCE FURVIEW, a Term frequently used by Sir Edw. Coke for the Body of an Act of Parliament; or that part which begins with Be it Enasted, Sec. contradiffuguish d from the

Preamble. Sec STATUTE.

The Statute of 3 Hen. 7. flunds upon a Preamble and a

The Statute of 3 Hen. 7, magas upon a re summer supervision. In Rep.
The Word comes from the French Fourvess, a Gift, Grant, Providion, 65c.
PURULENT, in Medicine, fomething mix'd with, or particking of Fas. See Pus.
Phthincal People irequently fair a furnitary Matter. See

PHTHISIS. Parmiss.

In a Dyffentery, the Stools are Puruleus; when there is an Ulcer in the Reins or Bladder, the Union is Furuleus. PUS, in Medicine, a partid Manter, white and thick, form'd of corrapted Blood, and iffuing out of the Lips of the Company o

a Wound when open'd, or an Impelihume when burff.
Wownp and ULCER. Wounds are always to be keptopen while they suppurate.

i. c. while they generate Pus; for fear of flutting up the Wolf in the Sheep fold. See Surrugarton.

The Word is Latin, Pus, literally denoting Snot, Se.

form'd of the Greek eve, which fignifies the fame thing. PUSTULE, a little Fimple, or Eruption, on the Skin, full of Pas; especially arising in the foull and great Pox. PUTAGE, PUTAGIUM, in our old Law-Books, PUTA-

NINS, of Formiesto to here femine: qualification speece, à Gell. Patte, i.e. Meretrin. See Puranism. Rereditatem Russi autem generaliter file dici Pungium, hereditatem non adimit; vilud intelligendum eff de pungio Marris quita filius hares legitimus eft, quam Naprie demonfrant. Glanv.

ibb. 7. cap. 15.
PUTANISM, PUTANISMO, an Halian Term, natura-lir'd by fume Englis Writers, figuifying Whoredom, or the Life or Condition of a Courtee, figuifying Whoredom, or the Life or Condition of a Courtee.

The Word we harrow immediately from the French, Putanishus, and they from the Italians, Puttana, Whore 3 of Pasta, Civil.

Putts, Girl.
PUTATIVE, Suppositions; or forething reputed to be has it really is not.
The Word is feldom used but in the Phrase Putative-tather.—Thus we say Joseph was the Putative-Father of

Tefus Chrift PUTLOGS, in Building, fhort pieces of Timber, about feven Foot long, used in building Serffolds—They lie at right Angles to the Wall with one of their ends resling upon

II A

the Ledgers or Foles, which lie parallel to the fide of the jett has ject had really been of the Animal, and not of the Vegetable Kingdom.

PUTREFACTION, or PUTRIFACTION, in Physics, a flow fort of Corruption produced in natural Bodies, gene-rally by the Moisture of the Air, or fome other ambient Fluid, which penetrating the Pores, and being agitated therein, difficulted and fets at liberty forme of the more full Parts, particularly the Salts and Oils 3 and thas loofen and difficate the Compages, quite change the Texture, and formetimes the Figure of the Mixt. See Consurvivos.

fometimes the rigure of the Mixt. See Corrections.

How much the Air contributes to Particifation, is evident hence, that Bodies buried deep under Earth or in Water out of any reach of Air, final remain for Ages entire; which yet being exposed to the open Air, shall foon rot and seed that the Correction of the Correc

of any reach of Are, final remem the Ague enter (s) which monolete away. See Sowram an around floor we are monolete away. See Sowram an around floor we are monolete away. See Sowram an around floor we are the around the seed of the around the

Body, and hie we age to Europaction will be complexees, but if you first drain out or exhele all the warry Fart from the fame in some chymical Vessel; the 'the Salt and Oil creamin, the Fiss will have according to Stone, and may be kept for Ages without Partrefession—Tho' when thus backet of, Water pour'd on it, or even the common Dew,

barden d, Water pour d on it, or even the common Dew, will foon fee it a pairefeirs.

By fich means, Bread, Flefth, or the like Foods, may be preferred for Ages is provided regard be had to the Place:
Hence it is, that in dry Countries, as Egypt, dead Careaffes never pairefey, but dry and harden mocratyhed; as we fee in the Blummies found builed under the Sand. See Mon Mr. m ine muomnes tound buried under the Sand. See Mun M. Even human Blood, which naturally is force to Putre faction, if you deperce it of its warry Part, may be kept for fifty Years. Goar's Blood we actually find kept fo long in the Shops, without corrupting it he', if you distlove it in Water, and expose it to a gentle Warmth, it putrefer

immediately. mmcoastety.

Putarpaction, in Chymiftry, is a spontaneous Operation whereby vegetable Subflaces, in viruo of their own
Heat and Moitture, are distolved, and turn'd into an animal
Nature. See Animal and Vegetable.

#### The ProceS of Purnagazerion is as follows:

Throw together any of the tender, green, and fucculent Parts of recent Vegetables, whether Acid or Alkaline, in raris of recent Vegenaties, mailer And or Attainer, in a large Heap, in the warm open Air, and prefa them down with an additional Weight, if their own be inconfiderable, and the middle part of the Heap will in a little time, fipen-taneously canceive a frmall degree of Hear, and pafe fac-cefficely through the other degrees, till it arrive at a fiste

cefferly through the other degrees, till is arrive as a fixe of Ebollikon, and be perfectly partied field. In the fixec of three days, from the first partied by the Hand, orgester, they will yield a fixen, perceivable by the Hand, orgester, they will yield a fixen, perceivable to the Hand to the fifth it will be too great for the Hand to fear without pain and, itality, by the fixth, fexenth, or cighth day, the Justice will generally appear ready to boil, and former. Be that formerson, Charmes about warry, hard sometimes. But this formerson, Charmes and born warry, hard sometimes are the second of 
innes to inster will even tiame and burn away.

By this fornations of persistion, the Vegetable acquires an abominably putrid, flerconnecous, or cadaverous Tafle, and Odors; and turns institely into one forf, fimilar, pappy Mass, or Craffamentum, greatly refembling fetilid human Exercement in the Social, and putrify'd Flesh in the Tafte. See EXCREMENT

See EXCREMENT.
If now this firth Matter thus obtain'd, be directly, whilst it remains in its fettl date, committed to a Glals-Recort, and distill'd with proper degrees of Fire, there will come over, r. A Water impregnated with an urinous Spirit, perfectly like that obtainable from animal Subjects, and legarable by a fresh Distillation flowly made in a till Glafs, itself rable by a first Datinianon trown ymade in a tait Giala, into Elementary Water; and a large quantity of pure, white, volatile, dry, alkaline Salt, too to be difficiently fit of animal Salts. 2. A volatile, skilleline, oily Salt, that floots in the Glebes. 2. An volatile, skilleline, oily Salt, that floots in the Glebes. 3. An exceedingly volatile and a thick ferid in the Glebes. 3. An exceedingly volatile and a thick ferid in the Glebes. 3. An exceedingly volatile and a thick ferid and the state of the Glebes. 3. An exceeding the thick of the Glebes of the least first first form of the least first first form of the least first f

This Process is truly universal, and holds equally in all kinds of Vegetables, tho' ever so different in their Nature and Virtue. Experiments have been made in the coldess and most fucculent or watry Plants, fuch as Purflain, Sorrel,

and most vacculorl of warry Fleats, such as Farthian, Sorrel, \$\tilde{C}\_{c}\$, as well as with the horself or moil attransions, fuch as the Spurges, \$\tilde{C}\_{c}\$, and it was always found to facced \$\tilde{c}\$ but the fooner, as the Vegetable employed contained the greater quantity of Oil \$\tilde{c}\$ tho wish the fame Phaeomeron. It will likewise facced with day Vegetables \$\tilde{c}\$ provided they be melitered with Water before they are throws into herps: And thus we functions for this Steeks of Hay

will fpostacously take fire and blaze away; especially if it was not well dried in the making.

It is furprizing to confider, that by this means the difference betwist Vegetables may be entirely taken away, and the whole Kingdom thereof reduced to the fame common Nature; fo that Wormwood and Tanfey, for inflance, or Sorrel and

fo fish Wormwood and Tanfey, for influence, or Sorrel and Sorrygarfi, Rell appears some onds the Same thing at this thing appear an otherwise that an array of Pfeth, and shall be a some of the source of the source of the source saminal Fluids according to the source of the source of the saminal Fluids according to the source of the source of the saminal Fluids according to the source of the source of the same that the source of the source of the source of the same that the

ged into use a state of purryly a terms as a tract your to prevent. This, Gerchastee confiders as a general Law of Nature, Wiskly eliabilited to produce wonderful Changes in the Worle, and prevent the Inakliso and Decreafe of Marter on use Globe; this active Principle or Medium giring a nealy and reciprocal Transition of Vegerable into Animal Subtlance, and Animal into Vegetable

and Animal into Vegetable.

Hence we are given to understand the Nature and Uses
of Putrefallion, with its difference from Fermentation,
both in regard of the Subject, Cause, and Effect——vegetables alone ere the Subject of Fermentation is but both Vegetables and Animals of Putrefallion. Permentation also
requires that its Subject be first reduced to the form of a requires that its Subject be fiftl reduced to the form of a Liquid, or a tellar mode capable of Boaring in one, before Liquid, or a tellar mode capable of Boaring in one, before the subject of the subj

promoted with Heat, and finished with Collies, which expected by aquesta degree of Heat much greater than that excited by Ferracussian, as being capable of cassing as Eballishoin in the bein immediate Couls of Ferracussian in the Monito of the Air intercepted between the Fluid and vifcous Parts of the Air intercepted between the Fluid and vifcous Parts of the Commoding Liquid so that the Capable of Parts relation is Fine itself, collected or included within the parts/ping Subject. The Conference of the Parts and the Parts are considered in the Parts and th

Again, the breeds of retrinentation are the production of Flowers of Yeaft, the convertion of the faline part of the fermenting Body into Tartar, or an actimonium Acid and fixed kind of Salt, and of Olis into inflammable Spirit, retaining fornething of the nature of the Vegerable's but Pursell-Wing makes all the acid Salts when the site of extaining founching of the usame of the Vegenshie is har Partigidizion makes all the acid Salts revolute and allaline, renders the Oils and flyinfounce, but shorminally festid, six-shaped and the control of the contr FERMENTATION.

Frankration.

This Operation may let us a little into the nature of animal Digethion, or the Change which the Aliment finites in the human Body—For the Change our vegenable Foods undergo in the Body, being fach as brings 'em to be of the lame Nature, and afford the fame Principles with the Change induced by Partyalities, is a prefunction and the change induced by Partyalities, is a prefunction of the Discourage of the Principles with the Change induced by Partyalities, is a prefunction of the Discourage of the Principles of the gestion is nothing else; at least it apparently comes nearer thereto than to Fermentation. See Digestion.

PUTRID, PUTRIDUS, formething rotten, or putrify'd. Sec PUTRIFACTION

Thus we fay pairid Flesh—A pairid Humour-Pairid Limbs, i. e. mortify'd ones, are to be cut off. See MORTIFICATION. PUTRID From, is that kind of Fever, where the He-mours, or part of 'cm, have so little circulatory Motion, that they fall into an intestine one, and putrify. See

FEVER. This is commonly the case after great Evacuation, or excessive Heat; where there is such a Scarcity of Spirits, PYL (919) PYR that the Salida do not vibrate fasticiently to keep the Flaids and the Appelle of the Chyle. See Diserton, Chitairion, Etc. In these Cases the Pulse is low, and the Flesh cooler than

natural at first.
PUTTY, a Term used for Powder of calcined Tin. See

TIN.

PUTURA, a Caflom claim'd by the Keepers of Forein,
and Iometimer Baliffi of Hundreds, to take Man's Meat,
Hufer's Meat, and Dog's Meat, of the Tenants and lababianus grait, within the Perambulation of the Pereft,
Hendred, 4% See FOREILE, PERAMULATION, 5%.
This Cofform within the Liberty of Kaserdings was long
for the Company of the Pereft of the Pereft of Pariss.
The Lordon Samer are and in his Expedition of this
year. The learned Samer ared in his Expedition of this
work.— "Meaners shame man Pariss and Same and

-Johannes clamat unam Puturam in prioratu de Word-Weed—Jonanness clamas unam rususam su provincio de Pemerofibami, qui oft queedam Cella Abbatia de Evefant pro se E Ministris, Equit E Garcionibus sus ser unam dum E duas nocles de tribus Septimanis in tres Septimanas, viz. de victualibus, su in efeulemis & poculentis, ad Coffas prioratus pradicti indebite — Placit, apud Preston. 17 Edv. 1.

Edv. 3. 

PYANEPSIA, in Antiquity, a Feath celebrated by the 
Albenians in the Month Pyanephon; which, according to 
the generality of the Critics, was their fourth Month, and 
corresponded to our Spireasher. See Feath. Planarch refers the Inditution of this Feath to Thepan;

Planarch refers the Inditution of this Feath to Thepan;

who, at his Arrival from Crete, made a kind of Sacrifice to
Apollo of all the Provinces remaining in his Veffel; putting em all into a Kettle, boiling em together, and cating em with his fix Companions; which Cafforn was afterwards continued.

contrased.
The Scholiast of Arithophanes says, it was to acquit himfelf of a Vow he made to Apollosia a Tempest.
M. Bandels wither Plantages, and takes it to be a Feast
felicitated in memory of The leaf's Return after killing the
Missonar. See Missonar.

The Greek's vary as to the Origin and Signification of the the word Pysampfion, whence the Feaft is denominated.—
Harpocratian calls it Pesampfia; to adds, that others call in Passaphia, because then the Fruits all appear to the Eye. Helytoing writes Pysampfia; it and derives it from musics, Because the Action of the Property of the Eye. Bean, and swis, I gather: because in this Feast the Athenians gather'd their Beans, and made a kind of Broth of 'em. gather d their reass, and made a kind of Broth of 'em.
PYCNOSTYLE, or PYCNOSTYLE, in the antient Architecture, a Building where the Columns than very close to one another; so no Diameter and a half of the Column being only allowed for the Intercolumniation. See la-

TERCOLUMINATION The Pyenglyle is the fmallest of all the Intercolumi-

nations mention'd by Vistravius.

The Word is form'd from the Greek woxx9, cloft, and sur @ , Column

Some make the Pycnoftyle the fame with the Syftyle; others diffinguish the latter, by its allowing half a Module more in the Corinthian Intercolumination. See Systyle. mouth the Confined an Intercolumnation. See Systype.
The Pysondyle, Mr. Evelye observes, chiefy belonged
to the Configure Order; and was used before the most magnificent Buildings, as at present in the Perifyste of St. Pestr's at Rome, constiting of near 300 Columns; and such
as yet remain of the Antients among the late discovered

Ruins of Palmyra.

FYCNOTICS, Medicines of an aqueous Nature, and which have the Faculty of cooling and condenting, or thickening the Humours.

Such are Purflain, the Nepophar, or Water-Lilly, Solacum, &c.

The Word in its original Greek, morrorizir, fignifies femething that has the power of thickening. PYGMY, or Pigmy, or Pigmæus, a Decarf, or Perfor of exceedingly small Stature, not exceeding a Cubit in

beight. See DWARF and GIANY. height. See Dwarf and Granv.

The Appellation is given among the Antients to a fabu-lous Nation, faid to have inhabited \*\*Thrace\*\*, who generated and brought forth Young at five Years of Age, and were Old at eight; famous for the bloody Wat they waged with

The Word is form'd of the Greek woyne, Cubit. See

PYLING the Ground, for Foundations, See Foun-

PYLORUS, in Anatomy, the lower Orifice of the Sto-much, whereby it difcharges itself into the Intellines. See STOMACH and INTESTINES.

The Pylerus is fusite on the right fide of the Stomach, and paller by an oblique Aftent to the Dundensum; to prevent to too precipitate Pallage of the Aliment out of the Stomach. See DUDDINUM.

For this end, it is likewife farnified with an extraordi-

nary Series of Fibres, to confringe it more than any other part: These running round it, serve as a kied of Sphine-ter, which is open'd by the Contraction of the Stomach,

FIGATION, Es.

At the bottom of the Pylorus, is a large Cavity, which
Willis calls the Amrum Pylori, and conceives its Use to
be, to keep the Food first digethed, till the Inter cakes
into the Stomach be digeted the, if what Wistrian obferres be true, viz. that there are Lastleats in the bottom
of the Stomach, such a Provision flood if even unnecessity.

See LACTEAL. The Word is derived from the Gresk wanges, Janitor,

Door-keeper.

PTRAMID, in Geometry, a Solid flauding on a fquare
Bafis, and terminating, a-top, in a Point: Ora Bady whofe
Bafic is a Polygon, and whofe Sides are plain Triungles;
their feveral Tops meeting together in one Point. See SOLID.

Enclid defines it a folid Figore, confishing of feveral Triangles, whose Bases are all in the same Plane, and have Triangles, whole Estes are all to the fame Place, and have one common Verges. See TRIANGES and VERTEX. Wooking defines it a Solid, bounded by as many Triangles, ADC, DCB, and ADB, terminating in one Point, D5 as the Bafe ABC, bas Sides. (Tab. Geometree, 78.)

The Pyramid is faid to be Triangular, Quadrangular, Quinquanquiar, Ec. as the Bafe is rrianguiar, quadran-gular, Ec.—The Pyrsmid may be call'd a fiquere, triangular, Ec. Cone; or the Cone, a round Pyramid. See Cone.

## Properties of the PYRAMID.

v. All Pyramids and Cones standing on the same Base, and having the fame Altitude, are demonstrated to be equal.

2. A triangular Pyramid is the third part of a Prifm, flanding on the fame Bafe, and of the fame Altitude. See PRISM

3: Hence, fince every Multangular may be divided into Triangulars; every Pyramid is the third part of a Prifm, flanding on the fame Bafis, and of the fame Alti-

If a Pyramid be cut by a Plane abc, parallel to its Bafe ABC; the former Plane, or Bafe, will be fimilar to

5. All Pyramids, Prifms, Cylinders, &c. are in a Rutio compounded of their Bases and Altitudes: The Bases, therefore, being equal, they are in proportion to their Al-titudes; and the Altitudes being equal, in proportion to their Bases.

6. Pyramids; Prifms, Cylinders, Cones, and other fimi-lar Bodies, are in a triplicate Ratio of their homologous

7. Equal Pyramids, &c. reciprocate their Bases and Al-udes; i.e. the Altirude of the one is to that of the other, as the Base of the one to that of the other, Ec. A Sphere is equal to a Pyramid, whose Base is equal to the Surface, and its Height to the Radius of the Sphere. 8. A Pyramid is one third of the perpendicular Altitude, multiply'd by the Base.

multiplyd by the Bale.

To measure the Surface and Solidity of a Pyramid—
Find the Solidity of a Prilim that has the fame Bafe with
the giren Pyramid: See Parsa.—And divide this by
three; the Quericat will be the Solidity of the Pyramid.

Suppole, e.gr. the Solidity of the Prilim be found
orotogs is the Solidity of the Pyramid will be thus found anaga6770.

The Surface of a Pyramid is had, by finding the Areas both of the Bafe A B C, and of the lateral Triangles ACD,

CBD, BDA. See TRIANGLE. The Sum of CBD, BDA. See TRIANGER IN Our the Area of the Pyramid.

The external Surface of a right Pyramid, Handing on, a regular Palyson Bafe, is coqual to the Altitude of one of the Triangles which compose it, multiplyd by the whole Circomference of the Bafe of the Pyramid.

To definite a Pyramid on a Please.—1. Draw the Bafe, the Cart. A BCC. If the Pyramid required by

To definite a Pyramid on a Plans—... Daw the Bafe, or, or, the Tringle A BC G, if the Pyramid required by tringplaty fo as that the Side AB, inpped to be transcheinly, be not experted a. Co Ac C and C R, confirmed behand, be not experted a. Co Ac C and C R, confirmed Theore will a DBA, be a tringular Pyramid and the confirmed Pyramid at Py

turn up into a Pgramid. turn up into a Psymmid.

PYRAMID, in Architectore, is a folid massive Edisice s
which from a square, triangular, or other Base, rifes diminishing, to a Pour, or Vertex.

Psymmids are tomerimes used to preserve the Memory

of fingular Events; and fometimes to transmit to Potterity

the Glory and Magnificence of Princes: but as they ar the Symbol of Immortality, they are more commonly used as funeral Monuments. See MONUMENT.

Such is that of Coffins at Rome; and those other cele-brated ones of Egypt, as famous for the Hugeness of their Size, as their Antiquity.

These last are all square in their Bases; and 'tis a thing

della Valle, &c.

seus r site; Co.

Among the Egyptisus, the Pyramid is faid to have been a Symbol of human Life; the Beginning whereof is repredented by the Bafe, and the End by the Apex; On which account it was, they used to erect them on Sepulchres. Hasponerus.

chres. HERODOTUS

Some derive the Word from wees, Wheat, and dude, colligo; pretending that the first Pyramids were built by the Patriarch Joseph for Granaries .--But Villalpandu with much better reason, derives the Word from avi, Fire; because ending in a Point like Flame.

When they are very narrow at bottom, i.e. their Base very small; they are call'd Obelisks and Nordles. Sec OBELISK.

Scenegraphy of a PYRAMID. See SCENGGRAPHY.

Accompagage of a Paramen. See Science and Petr. Optic Pra. Amin. See Optic Pramid. Plr. RAMIDAL Numbers. See Minron. PYR. AMIDAL Numbers, are the Soms of Pelygonal Numbers, collected after the fame manner as the Polygon Numbers themselves are extracted from Arithmetical Processing of the Pelygon Numbers themselves are extracted from Arithmetical Processing of the Pelygon Numbers themselves are extracted from Arithmetical Processing of the Pelygon Numbers themselves are extracted from Arithmetical Processing of the Pelygon Numbers themselves are extracted from Arithmetical Processing of the Pelygon Numbers themselves are extracted from Arithmetical Processing of the Pelygon Numbers themselves are processed from the Pelygon Numbers themse

greffions. See Polyconal Number, &c. These are particularly call'd prime Pyramidals—The Sums of first Pyramidals are call'd second Pyramidals—The Sums of those third Pyramidals, &c. ad infinitum.

Particularly those arising from triangular Numbers are call'd prime triangular Pyramidals; those arising from

Pentagonal Numbers are call'd prime pentagonal Pyramidals, &cc. From the manner of furnming up polynomal Numbers it appears evidently how the prime Pyramidal Numbers are

(a-1)n+3n1-(a-5)n, expresses all the

prime Pyramidals.

PYRAMIDALE Corpus, in Anatomy, a Plexus of Blood-Veffels on the back of rhe Teiticles; thus call'd from its Form: and from its Structure also call'd Corpus Varicofton, and Pampini-forme. See Corrus. and Varico-

IUM. It confifts of innumerable little Veins, communicating with each other; and forming a kind of Net-Work; which, at length, uniting, terminate in one Vein; by which the

Blood is convey'd into them all.

The Origin of this Plexas is from the fpermatic Veins, which, a little above the Telticles, fplit into feveral Branches; which again entiting, feveral times, form the Corfus Pyramidale. See Travitive and Steemarte Veins.

PYRAMIDALES Papille, fee Papille, Pyramidales.

PYRAMIDALES, Papilles, fee PAPILLE Pyramidales. PYRAMIDALIS, in Acatomy, a final Mufcle of the Abdomer, lying on the lower part of the Resistent last in Name from its Figure; and its Origin from the Margin of the Os Pabil, with a pretty broad fleshy Head, wheater it grows gradually parrower till it end in a fmall round Tendon in the

gradually narrower till it end in a small round 1 endon in the Lines albe; I concrines almost at the Narveilmes it has its fellow; and formerines they are both wanting. PYRAMIDOID, call'd allo Farateleit Synthes, a folid Figure formed by the Revolution of a Parabola round its

Base, or greatest Ordinate.

Thus, if you confider it according to the Method of Indivibbles, you may conceive its Solidity to confit of an infinite Series of Circles, whose Diameters are all parallel to the Axis of the revolving Parabola. See Parabola Spindle.

Spindle.
PYRATE, fee PIRATE.
PYRENOIDES Proceffin, in Antenny, a Process of the fectoral Vertebra; thus call difform its pear-like shape; as also for the like reason. Descriptorists, or Tooth-like Process. See PROCESS and VERTERA.

The Word is compounded of Pyrum, Pear, and eds, PYRETICS, Medicines good against Fevers. See Fr-

The Word is form'd from the Greek mugar@. Fiver. of PYRIFORMIS, in Anatomy, a Mufele of the Thigh, receiving its Name from its Figure, which refembles that of a Pear.-It is also call'd History externus, from its Si-

tuation. Sec Injacus. Its beginning is round and fleshy, from the inferior and internal part of the Os Sacrum, where it respects the Peinis of the Abdomen; and descending obliquely in the great Sinus of the Os Bium, above the acute Process of the Ischium, and joining with the Gluteus medius, it inferred by a round Tendon into the superior part of the Roce of the great Trochanter.

This moves the Os Femeris formewhat upwards, and turns it outwards.

PYRITES, in Natural History, a Semi-metal, supposed to be the Matcasite of Copper; or the Matrix or Ore wherein that Metal is formed. See Marcastre, Ore, Copper, From this Marcafite it is that the Roman Vitriol is pro-

cured. See VITRIOL The Word is form'd from the Greek wig, in regard in

takes fire more readily than any other Stone Call'd Quis.

Antiently it was used in lieu of the Flints in Fire-Locks.

Anticently it was need in lieu of the Finits in FIFE-LOCKS.

—Dr. Slere tells us of a Heap of Fyrites confifting of two
or three hundred Tons; which being cover'd up from the
Air five or fax Mondahs, took fire, and burst for a Week,
Some of it look'd like melted Metal, others like red-ber
Stones. He adds, it emitted a most noifome Smokes. Dr. Lifter attributes Thunder, Earthquakes, &c. to the

Dr. Lifter attributes: Thander, Earthquakes, Sc. to the fulpharcous and inflammable Breath of the Psyriets. Sc. THINDER, EARTHQUAKE, EXHALATION, SC. THINDER, EARTHQUAKE, EXHALATION, SC. PYRITES, in a more general lende, is alled for the Marchites of all Metals; the Names whereuf are varied according to the Metalle they narakeof. See Make assirt.

Thus Chrystes is that of Gold; Argyriets that of Silver;

Siderites that of Iron; Chelcites that of Copper; Melyu-dites that of Lead, Sc. Soc Anovaires, Charsites, SIDERITES, 250

PYROBOLOGY, fee Pynothennia.

PYROENUS, from any, Ignis, Fire, and area, Vinum, Wine; is a Term formetimes used for rectify'd Spirit of Wine; thus call'd because made by Fire, or rather because render'd of a fiery nature. See Spinit and Rectifi-PYROET, or Perount, or Pyrount, in the Manage.

PYROMANCY, a kind of Divination, perform'd by

The Antients imagined they could foretel Futurity by in-pecting Fire and Flame: To this end, they confider d its Direction, or which way it turn'd.—Sometimes they added o-ther Matters to the Fire; e.gr. a Veffel full of Urine, with its Neck bound about with Wool; watching narrowly on which fide it burst, and thence taking their Augury.

Sometimes they threw Pitch on it; and if it took fite immediately, efteem'd it a good Augury.

PYROTECHNY, PYROTECHNIA, the Art of Fire ;

or a Science which teaches the Management and Application of Fire in feveral Operations. See Fire 5. The Word is form'd from the Greek ave, Fire, and 75 270,

Pyrotechny is of two kinds, Military, and Chymical Military Pynorzemy is the Doctrine of Artificial Fire-Works and Fire Arms; teaching the Structure and Ufe both of those used in War for the Attacking of Fortifications, Sc. as Gun Powder, Cannons, Bombs, Granadoes, Carcaffes, Mines, Fußes, &c. and those made for Amulement-luke, as Rockets, Stars, Serbents, &c. See Fire-from Clan-

Stars, Serpents, &c. Sce Fibe-Arm, Oan NANCE, Co. Some call Pyresechny by the name Artillery; the that Word feems confined to the Instruments afed in War. See ARTICLERY.

Otherschafe to call it Pyrabology, q. d. the Art of Miffile Fires; from the Greek τύρ, Fire, and βαλλει, to cast, throw. See Gunner, Projectice, Εσ.

Wolfins has reduced Pyrotechnia into a kind of mixt Mathematical Art: Indeed, it won't allow of Geometrical Demonstrations; but he brings it to tolerable Rules and Reasons; whereas, before, it had used to be treated by Authors at Random and without any Reason at all. See

MATHEMATICS.

See the Elements of Military Pyratechny under the feveral Infiruments and Operations ; CANNON, BOMB, Roc-KET, GUN-POWDER, &c.

Chymical Prior actions, is the Art of managing and LOBWIGGI FYROTECHEN A, IN the Art of managing and papilying Fire, in Dillilations, Calansions, and other Operations of Chymiltry, See Cursus 22x x and OF RAXYON OF The Control of Linear Children and Children Children and Personal Children and Personal Children and Personal Children and Park Children and 
Figure and raise we are recovered and the first section of the Exercise on Horse-back; or a feigald Combat, for the Exercise on Horse-back; or a feigald Combat, for the Exercise of the Cavalry. See Exercise.

If

It was that call'd from its Inventor Perrition, or of two theafand People's to whom he explain'd the Laws Perrition of Orderia, who full taught the Gerizan to march of Nature, Rection, and Judice.

He cadeserved in affange the Patilions of the Mind with
the Call of the pace of the Pyrrhic Foot

Others derive the Name from Pyrrbus Son of Achilles, who inflituted this Exercife at the Obsequics of his Father. Aristotle says, 'twas Achilles himself that invented it.

And the second of the second o

On this Principle he kept himfelf in continual suspension of Mind, never determining on any thing; to avoid the Inconveniencies of Error and false Judgments. See Ennon, FALSHOOD, &G Those now diffinguish'd by the Name of Pyrrhonian

Those now diffinguished by the Name of Pyrybenium, or Secretica, are refront who, from the great Number of secretic are refront who, from the great Number of the great of the to ourfelves, i.e. how they may affect us, so as to do us good or harm. See Sensation, Relation, Sense, Se.

Thus, s. gr. our Eyes don't give us the real Magnitudes of Objects, but their relative ones only. See VISION. See also Bony and MATTER.

The Academicks differ'd from the Pyrrhonians, in that they own'd there were fome things more like, or a-kin to Truth than others; which the Pyrrhonians peremptorily denied. See ACADEMICS.

denica. See Academics, Le Clere observes, that the Pyrrhonians, in affirming that there is nothing certain, were the most affurning and decifive of all Philosophers; since they must have first examin'd all things, to be able to determine precifely that all

things are uncertain.
It may be added, that the very Principle of the Pyrrho-nium delibroys itself: For if there be nothing certain, then must that Dogma itself be precisions; and it no one things be more probable or likes to Trath then nother, why fiftall the Principle of the Pyrrhousium's be believed preferably to the opposite one; since itself is come as in the fame way and our niner Knowledge. PYTHAGOREANS, a Sect of antient Philosophers, who retain'd to the Doctrines of Pythagoras. See Philo-

SOPHES.

who retailed to the Doctrines of Fythegreat. See: Fittion—
The Founder of this Seed was of Sount; the Soc of a Lajidary, sed Vapil of Fiberysteis; who floatified about the feverals Olympia, i.e. about so Seen before their feverals of Fitting, i.e. about so Seen before their before their seen and the seen and the seen and the seen and the seen and even into the founds; on form the Inchestizating set and even into the founds; on form the Inchestizating set the Fytyman of Polymeter, or Skifpts, ceired into the Edenter Part of Levil, then called the Greater Greece, and there may be seen as the seen and the seen a

He leant chiefly from the Magi.

He was the first who assumed the Title Philosopher; the Sages till his time having bore the arrogant Title seess.

See PHILOSOPHER. Jamblicus observes, that in Phanicia he conversed with the Prophets and Philosophers, the Successors of Machus the Physiologist; which Machus, Seiden and some others

will have to be Mojes. will have to be Algelt.

His School in Heely was at Greene; where he is faid to have been attended by no lefs than 600 Scholaste—His hand was cally the Temple of Grees, and the Street where is thout the Algeleum. See Musawam.

Out of his School proceeded the greatest Philosophers and Legislasors, Zalessens, Charomidas, Archyste—Per2677 [347, as 100 as he artiv'd in fuely be had an Auditory

Veries, and Numbers; and made a Practice of co his Mind every Morning by his Harp's frequently linging the Fatast of Thales. See Music.

e Passis of Absum. dec investo. Exercises of the Body made a confiderable part of his

Heartes
Writing,
Befide his public School, Pythogoras had a College in
his own Houfe, which he call'd xarifum, Cambinus: In
this were two Orders or Claffice of Scholars, Eurocaol, Extractical Confession Claffice of Scholars, Intringed. oterici, cail d'aifo dispontantes y and ausmenai, furrinfer.

— Înte formet were Novices and Probaticaers, who were kept under a long Examen, and even impofed a Quinquenial Silence, to teach them Modelly and Attention, according to Affeities; or, according to Chemes Affessadrinst, to teach them to about the them to a contract their Minds from fenfible Objects,

teach them to abittact their Minds from tembric Objects, and enure them to the pure Contemplation of the Delay.

The latter were call'd Gennini, Perfelli, Markematici, and Pythogerans, by way of Eminence——These alone were let into the Areans and Depths of the real Pythogeric Discipline

Clemens observes, that these Orders corresponded very ex-Clement observes, that these Orders corresponded very ex-celly to those among the Hebrews: For in the Schools of the Prophets were two Orders, viz. the Sons of the Pro-phets, who were the Scholars; and the Docker or Masters, who were also call'd Parfetti. And among the Lovies, the Novices or Tyro's, who had their Quinquemial Exer-cises, by way of Preparation. Lastly, even among the Profethes, by way of reparation. Latity, even among the Frofe-lytes there were two Orders; Exceptic, or Profelytes of the Gate; and Intrinsic or Perfectl, or Profelytes of the Covenant. He adds, its highly probable that Psychogorus himfelf had been a Profelyte of the Gate, if not of the Covenant. See Paorette. Gale endeavours to prove, that Pythageras borrow'd his

Philosophy from that of the Josep, to this end producing the Authorities of many of the Fathers, and antient Authe Authorities of many of the Fathers, and mainers flat-thore; and even proteining out the Tricks and Footings of Mofir in feveral pages of Psythogorar's DedPrine. Psythogorar study, 1. This Codi ones of their let among simple, more reported, and invibble Being; and chrectore only no be werlinged with a pare Milling, with the fimilet. Laterities obligation of the property of the psythogorary and the psythogorary of the psythogorary of the psythogorary and things is home and Deality, 165, 50c Univers. (Eq. In his Conventions with the Egyptians, he learnt abundance of Secreta about Numbers, a owisich a sattripted

were produced according to certain Numbers, inherent in

were produced according to certain Numbers, inherent in the Oreator's Mind. See Chearpon.

Hence Perphyty obferes, the Pythogeneut fluided the Dectrine of Numbers with great Attennon: Since the in-cepteral Ferms, and fift Principles of Things, i.e. the Dywne Ideas, could not be deliver'd in Words, they had recourf to Demonstration by Numbers, and that call'd the common Reason and Cause of Unity, Identity, and Equality, by the Name One.

by the Name One.
s. Pythagorysi further taught, that there is a Relation or Kin-fhip between the Gods and Man; and therefore the Gods take care of Man.—Which, Clemens Alexandrinus fays, is apparently borrow'd from the Christian Dockrine of Providence. See PROVIDENCE.
Continuous alia Official A Sementhiships.

Pythagoras also affected a Mesenophychofis, or Transmigra-tion of Souls; and therefore the Immortality of the Soul. See METEMPSYCHOSIS.

3. He taught, that Virtue is Harmony, Health, and every good thing; and that God, and therefore every thing, confifts of Harmony. See Harmony.

PYTHAGOREAN, or PYTHAGORIC System, among the Antients, was the same with the Copernican System among the Moderns. See System. It was thus call'd, as having been maintained and caltivated by Pythagoras, and his Followers; not that it was invented by him, for it was much older. See Copensi-

CAN Sylem. PYTHAGORIC Theorem, or Proposition, is the 47th of the first Book of Euclid. See TRIANGLE and HYPOTHE-

PYTHAGORIC Tetractys. Sco Tetractys.

#### PYT (922) PYX

PYTHIA, or PYTHIAN, in Antiquity, the Priefless of Apollo, by whom he deliver'd Oracles. See ORACLE.

She was thus call'd from the God himfelf, who was entitled Apollo Pythius, from his flaying the Serpent Python;

titled Affalio Pythins, from his flaving the Serpens Pythins on, as others will have it, air it is "sirely, because Affalio, the Sun, is the coule of Rottenmer's or, according to others, from ownerspars, I Pater, because People one on the stand confait his Oracles.

The Priefich was to be a pure Virgit—She fat on the Corrects, or Lid, of a brazes Veffel, mounted on a Tripop's and thoract, steer so robert Examination, distired the arrival of the standard of t

taken for Oracles. All the Pathie did not feem to have had the fame Ta-

All the Lythic did not feem to have had the fame In-lent at Deetry, of Memory cought to retain their Leftan— Platarch and Strade make mention of Peen, who were kept in pay, as interpretens of Jopiters, US-PyTHIAN Games, Yvynic Lindi, were follown Games in-fitured in house of Jobiols, and in memory of his killing the Serpent Tython with his Arrows. See GAMES. The Tythis were celebrated in Assessment, in a place

all'd Pythium — They were the next in Fame after the Olympic Games; but were more antient than they: for 'tis pretended they were inflituted immediately after the Defeat of the Serpent.

They were held every two Years, towards the Month E-phebolion, which answer'd to our February. The Pythia were also celebrated at Delphos; and 'twas these were the most renown'd—A part of Pindar's Poems

are composed in praise of the Victors in the Pythiau Games. See PINDABIC.

See Prinance ...
The Cities are divided on the Subject of the Serpent Python—The Parts 18/10, but Your made the of it in year. The Parts 18/10 is the Serpent Applies and Diane, whom the had conserved of Flydiers and that twen for this reafon Applie kill di. Strate fray, twan so other han a formed Villain, one Strate fray, twan so other han a formed Villain, one Strate fray, twan to other hand from Villain, one Diane Strate fray, twan to other hand the Diane Strate fray that the Diane Strate fray that the Diane Strategy and the Crypton of the Parising and the Crypton of the Parising and the Crypton of the Parising with have to be for the Strategy and Africa Web to Earth 18/10 in the New York 18/10 in the Web Strategy and Africa Web Strategy

PYXIS Nautica, in Navigation, the Seaman's Compast. The Word Pyxis is Latin, and literally fignifies a little

Among Anatomills, Pyxit is also used for the Cavity of the Hip-bone. See ACETABULUM.



A Confount, and the fasterath Letter of the Alphabeth est. Letters and Arenautr. Alphabeth est. Letters and Arenautr. The follow's by an U. See U., in the this above, the follow's by an U. See U. the follow of the distribution of the Greek, band the distribution of the Greek, bandish the 2s at a consistent of the distribution of the Greek, bandish the 2s at a first following the distribution of the Greek, bandish the 2s at a first following the distribution of the Greek, bandish the 2s at a first following the distribution of the Greek, bandish the 2s at a first following the distribution of the Greek, bandish the 2s at a first following the distribution of the Greek, bandish the 2s at the distribution of the Greek, band

merians, in imitation of the Greeck, beaum the  $\kappa$  as a floperflows Letters, that all the Latin Words now wrote. Papirs even affirms, that all the Latin Words now wrote with a  $\mathcal{R}_i$  were wrote among the anticest Remassi with a G: But we want better Authorities. For the that may bold in many class, informach that we fill write indiffic-rently quiter or cur, case or quans, quotifies or coldist, gife. Yet does it not these thereoe follow, that they wrote tis, ce, cid; for quis, que, quid-What Inferiptions authorize fuch a reading ?

Far from this the Antients fometimes substituted & for

rat norm mis the national sometimes indivitured & for, and wome quitted, gain, for copie, etc.; EC. and wome quitted, gain, for copie, etc.; EC. and the second of the sec

Hence it is, that Lucretius ufes cuiret for three Sylla-bles, in lieu of quiret; acua for aqua; and that Plautus

2 among the Antients, was a Numeral Letter, fignifying 500; as in the Verfe,

Q velut A cum D quingentos vult numerare.

A Dash over it, as Z, denoted it to fignify five hundred Le also used as an Abbreviature in several Aris

Work

Work.
The Word is also used abusively for a Frame or Border of another Form 3 as Round, Oval, or the like.
QUADRAGESIMA, a Term sometimes used for the Time of Lent 3 because constitute of forty Days. See

LENY.

Hence, fome Monks are faid to lead a Quadragoffmal
Life; or to live on Quadragoffmal Pood all the Year.

Quannanania Sunday, is the first Sunday in Lent;
to call'd, because it is about the fortieth Day before Eafter. See EASTER.

On the fame account, the three preceding Sundays, are call'al Sunnengerfines, Scraegiffines, and Springerfines. See Companies, Oracatoros, Eds. Andrew Companies, See Corpanies, Oracatoros, Eds. Andrew Companies, See Corpanies, Oracatoros, Eds. Andrew Companies, See Companies,

Onacrimeeral regules to a regule and QUADRILATERAL.

To the Class of Suadrangles, or Suadrangular Figures, belong the Square, Parallelogram, Trapezium, Riembus,

and Rhomboides. See Square, Parallelogram, Rhomnus, Ge.
A Square, Ge. is a regular Quadrangle—a Trapezium an

rregular one.

Quadrangular Figures are not proper for Fortification; the Flanks and flank'd Angles being too fmall. See Bas-

QUADRANS, in Antiquity. Sec As.
QUADRANS, in Our Cufloms, is the fourth part of a
Penayy or a Farthing. See Penny and Farthing.
QUADRANT, QUADRANS, in Geometry, an Arch
of a Circle, constining so Degrees, or one fourth of the entire
Periphery. See Arch and Circles. See allo Degrees.

The control of the Control of the Control of the Control
of the Control of the Control of the Control
of the Control of the Control of the Control
of the Control of the Control of the Control
of the Control of the Control of the Control
of the Control of the Control
of the Control of the Control
of the Control of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Co

Periphery. See Arch and CIRCUE: OCCAID DANAMAN Sometimes, also, the Space or Arcs included between this Arch and two Radii, drawn from the Center to each Extremity thereof, is call'd a *Quadrant*, or more properly *Quadrantal Space*; as being a quarter of the entire Circle. SCC SECTOR

QUADRANY, is also a Mathematical Instrument, of great use in Navigation and Astronomy; for the taking of Altitudes, &c. See Altitude.

Altitudes, &C. See ALTITUDE.
The Studenari is variously contrived, and furnished with various Apparatus, according to the various Uses it is intended for jo but they all have this in common, that they conflit of a Studenary, or quarter of a Circle, whose Limb is divided into 50 Degrees; that they have a Plummer fulpended from the Centre, and are furnished with Prinnale. or Sights.

rements rown me courte, and the intraffic with Friendle, Two principal, mont fuel, and most fuel Quadratur, ase, the Genmes or Surveying Randerset, the efferencented States of Collecting Randerset, the efferencented States of Collecting Randerset, and the Randerset of Collecting Randerset, and the Randerset of Rande

polition for ulc.

Befides the Effentials of the Quadrant, there is frequently added on the face near the Centre, a kind of Compartiment, call'd the Quadrant, or Geometrical Square; as in the Figure—This, in fome meatre, making a dittined inflamment of itfelf; fee its Defeription and Ufc under the Article QUADRAY.

The Quadrant is to be used in different Situations, according to the Dimensions to be taken——To observe Heights and Depths, its Plane is disposed at right Angles to the Horizon: To take horizontal Distances, the Plane is difposed parallel thereto.

Heights and Diffances, again, may be taken two ways; is, by means of the fixed Sights and Plummet, and by the Label

Use of the Common, or Surveying QUADRANT

1. Tr. take the Height, or Depth of an Digital, with the such Sights and Planments—Place the Right-daws curriedly, and the Eye under the Sight uses the Arch of the Right and 21. Thus direct the latternouse to the Object, or the Usy of a Tower, till the vifual Rays decord limits of the Right and the Complement of the Object's Hight and the Right an

bove the Horizon, or its Diffusee from the Zeoith; and the other Portion of the Arch intercepted between the Thread and the other Semidiameter, shows the Height itself of the ject above the Horizon.

The fame Arch likewife gives the Quantity of the Augle made by the vifual Ray, and a horizontal Line parallel to

made by the vifatal Ray, and a horizontal Line parallel to the Baled of the Topelous, the Eye must be placed over Notes, to observe Depths, of the Geodernet. Notes, to observe Depths of the Geodernet. From the Height, or Depth of the Obeleg, in Degrees has found, which fupped ye<sup>2</sup><sub>2</sub>, 3y, and the Diffuse of the foot of the Obeleg from the place of Obfervion coar-ties of the Company of the Co

the Tower is always supposed a right Augle, the other two therefore are equal to another right Augle; but the Augle observed is 35°, 35'; therefore the other is 54°, 25'. See

The Cafe then will be reduced to this; as the Sine of 14°, 25', is to 4 Find in Ereauced to this? as the oine of \$2,5', \$5', \$10 4 Flort; \$10 is the Sine of \$3,5', \$5', \$10 4 Flort. For its the Sine of \$3,5', \$5', \$10 4 Flort. For its the Height of the Observer's Exp. (appoint 9 Foot, the Sum 39 \(\frac{1}{2}\) Feet, is the Height of the Tower required.

2. The further UP of the Quadract in taking of Altitudes of Objects, both accessible and inaccessible is the under of Objects.

the Article ALTITUDE.

the Attrice attrices.

5. Up of the Quadrant in taking Heights and Difference by the Index and Sight;—To take, e.gr. a Height, as that of a Tower, whose Base is accessible—Place the Plane of the Inframent at right Angles to the Piane of the Horizon, and one of its Edges pare liel thereto, by means of the Plummer, which in that case will have down along the other——In this Situation turn the Index, till thre' ric Sighr you fee the top of the Tower; and the Arch of the Limb of the Quadrant between that fide thereof parallel Tower in degrees: whose, and from the Diffance mea-fured as before, its Height in Feet, Sc. may be found by tured as before, its Height in Feet, &c. may be tound by Calculation, as in the former Cafe; or without Calculation, by drawing, from the Date, on Paper, a Triangle fimilier to the great once, whose Bafe is the Diffusee, and its Per-pendicular metalrod on the Scale, the Height of the Tower. See Scale.

4. Up of the Quadrant in measuring horizontal Dis-tances—The the Quadrant be a less proper Instrument for this purpose than a Theodolite, Semicitele, or the like, by reafon Angles greater than Quadrants cannot be taken hereby; yet Necessity fometimes obliges Persons to have

recourfe to it-

The Manner of its Application herein is the fame with that of the Semicircle; all the difference between the two that of the Semucrete 3 all the difference between the two Infiruments confilting in this, that the one is an Arch of 180°, and can therefore take an Angle of any Quantity 3 and the other only an Arch of 90°, and therefore confined to Angles of that Quantity. See, therefore, SEMI-CIR-

CLE. Afternomical QUADRANY, is a large Quadrant, usually made of Brati, fometimes of wooden Bart, only faced with made of Bratis, or the likes; baving its Limb curiodity divided, diagonally or otherwise, into Degrees and Minutes, and even Seconds, if posibles, with plain Sights faced to one file of it, or initical thereof, a Tederope's and as Indiagonally and the Core, carrying either plain Sights, and the Core, Carrying either plain Sights, and the Core, Carrying either plain Sights, and Telefold Core. or a Telefcope.

Thefe Quadrants are of principal use in taking Observa-tions of the Sun, Planets, or fixed Stars. See Observa-

The Anticuts used only plain Sights, but the Moderns have found it of great benefit to use Telescopes instead of See Stony and TELESCOPE.

them. See Stott and TRLEGOPE.
Add, that the Contrivance of moving the Index, by the help of a Screw on the Edge of the Limb, and of readily and easily directing it, and the Quadrant upon its Pedefall, to any defired Phanomenon, by means of the Screws and densed Wheels, is a fill greater Improvement of the In-

The Particulars of the Mechanism whereby this is office.

ted, would afford a very dry and intricate, as well as ufe-lefs Detail; which we shall omit, as being sufficiently known among the Instrument-Makers: And in lieu thereof. content curfolves with giving a Figure or Representation Tab. Astronomy, fig. 53.)
The Use of this Instrument is obvious—Being adjusted

as above, and turned herizontally round on it Aski, all thre' the moveable Telefrope the Object be feen rofall in with the Point of learfection of the crofs Bars, the De-groes cut by the Index give the Altitude requird. See

LT.ESCOPE. The Horodiclical QUADRANT, is a pretty, commodious Infrument, thus call'd from its Use in telling the Hour of the Day; which is its only Use.

Its Conftruction is fo fimple and easy, and its Application fo ready, that we shall describe both, for the Use of some who may want other Conveniencies.

Confirmation and Use of the Horodictical QUADRANT.

From the Centre of the Quadrant C, (Tab. Astronomy, Fig. 54.) whole Limb A B is divided into 50° 3 decribe leven cooccurric Circles at letervals at pleature 3 and to thefe add the Sigas of the Zodisc in the Order they are reprefered in the Scheme. 2. Applying a Ruler to the Care C and the Link A B. most large the ferent be. are repretented in the Scheme. 2. Applying a Kalet to time Centro C, and the Limb. A B, mark upon the feveral Farallets the Degrees correfponding to the Altitude of the Sun when therein, for the given Hours; connect the Points belonging to the farm Hour with a curve Line, to which add the Number of the House—To the Radius CA, fit a the Number of the House—To the Radius CA, fit a farmed with a Plummer, and upon the Thread a Bead to a Thread with a Plummer, and upon the Thread a Bead to a Thread with a Plummer, and upon the Thread a Bead to a Thread with a Plummer, and upon the Thread a Bead to a Thread with a Plummer. If now the Boad be brought to the Parallel wherein the

Sun is, and the Quadrant directed to the Sun till a vifual Ray pass thro' the Sights, the Bead will show the Hour.

For the Plummeria this fituation curs all the Parailels in the Degrees corresponding to the San's Altitude: Since, then, the Bead is in the Parallel which the San then de-feribes, and thre' the Degrees of Altitude to which the San is elevated every Hour, there puts Hour-Lines; the Bead must firew the prefent Hour—Some Perfors who are not mighty nice, reprefent the Hour-Lines by Arches of Circles. or even by firaight Lines; and that without any fenfible Gunter's QUADE ANY, is a kind of Quadram (represented Tab. ASTRONOMY, Fig. 55.) invented by our Countryman

Edm. Gunter

Edm. Gesster.

This, befide the graduated Limb, fixed Sights, and a Plummet, as the other Quadrants has, likewife, so-cographical Projection of the Sphere on the Plane of the Meridian, with the Eye placed in one of the Poles, by which, befides the common Utes of other Quadrants, overal ufcful Queffions in Altronomy, &c. are easily foired.

# Uf of Gunter's QUADRANT.

n. To find the Sun's Meridian Altitude for any given Day 3 or the Day of the Momb for any given Meridian Altitude—Lay the Thread on the Day of the Momb in the Scale next the Limb; the Degree it cuts in the Limb is the Sun's Meridian Alfriade.

tne sun's Mendian Altitude.

Thus, the Thread being laid on the 15th of May, cuts 598 30', the Altitude fought——And contrarily, the Thread being fet to the Meridian Altitude, will show the Day of the Month.

the Blenk. Sectional articles, wit new the Day of the Blenk. Having put the Blenk of the Blenk. Having put the Blenk of th it to the Sun's Place) the Degree cut by the Thread or the Limb, gives the Altitude. Note, the Bead may be reclify'd otherwise, vis. by bringing the Thread to the Day of the Month, and the Bead to the Hou-Line of 11. 3. To find the Sun's Phelination from his Place given y

3. To put the State Presentation From Dis Place given; and contraries/je—Set the Bead to the San's Place in the Ecliptic; move the Thread to the Line of Declination Fry, and the Bead will cut the Degree of Declination required—Contrarily, the Bead being adjufted to a given Declination, and the Thread moved to the Ecliptic, the Bead will cut to J. Disc. the Sun's Place,

4. The Sun's Place being given, to find his right Aften-font; or contrarily — Lay the Thread on the Sun's Place in the Ecliptic, and the Degree it cuts on the Limb is the right Afcention fought — Contrarily, laying the Thread

Ediptic. "

"I The Start, Hintel heirig given, is fast his distinuity, by The Start, Reliant heirig given, is fast his distinuity, by The Start, heiright heir heiright heir heiright heiright heiright heiright heiright heiright heiright h

cogramme and stoody's about most, ince distresses: Which Merritan, flow the warmy Houges the Son is poor from the Merritan, flow the warmy Houges the Son is poor from the Merritan, which is the Hour of the Night.

Support, e.g. or, to the 1st do if Ally the Societies in Support, and the Societies of the Societi

Eye being in the North Pole.

Tis fitted to the Latitude of London—The Lines run-

ning from the right Hand to the left are Patallels of Altitude, and those croffing them are Azimuths: the two Circles bounding the Projection is 4 of the Tropic the iwo Circles bounding the Projection is 4 of the Tropic of Cyprizors, the greater of that of Canterr—The two Eclipsias are drawn from a Youn con the left Edge of the Quadrans, with the Charafters of the Signs upon em; and the row Identices are drawn from the fame Points—The Limb is divided both into Deprece, and Time; and by having the San's Altimate, the Hour of the Day may be horrer toned or all Minnettes or the Concrete contribute for the Concrete Contribute Contrib

the Sun's Declination.

On the Projection are placed feveral of the most noted fixed Stars between the Tropics, and next below the Projection is the Russirat, and Line of Shadows. See OUADRAT.

### Ule of Sutton's or Collins's QUADRANT.

The final the Time of Sour-Filinger fairing, his Amplitude, for the Amplitude of Time of Sour-Filinger fairing, his Amplitude over the Day and the Month, end bring the Sead to the Oppore Kellytic, sinch that of Sourmer or Winter, according to the Seafons (which is call'd reclifying) then, more considered to the Seafons (which is call'd reclifying) then, more considered to the Seafons (which is call'd reclifying) them, more fairing to fetting, before, or after fix 3 and at the fame time Belled will cat the Limbon in the time of the Sean's filing or fetting, before, or after fix 3 and at the fame time Belled will cat the Harizon in the Degrees of the Sean's

Amplitude.
Again, observing the Sun's Altitude with the Quadrant, Again, othering it found 45° on the auth of Afril; lay the Thread over the auth of Afril; bring the Bead to the Summer Eclipte, and carry it to the Parallel of Altitude 45°. In which Cafe the Thread will cut the Limb 215, and the Hour will be feen among the Hour-line to be either at path nice in the Moroing, or 19' past two in

the Afterno Laftly, the Bead among the Azimuths fhows the San's

diffance from the South, tro, 50° 41'.

But note, that if the Sun's Altitude be less than what it is at fix a clock, the Operation must be performed among rectify'd to the Winter Ecliptic.

excitiyd to the Winter Ediptic.

Simed (Dy. Dan Awr.) is an influment of Ufe in NatiSimed (Dy. Dan Awr.) is an influment of Ufe in NatiSimed (Dy. Dan Awr.) is an influence of Ufe in Natide Continued to the Continued of th

e. gr. A B, may represent the Meridian; and the other, A C will represent a Parallel, or Line of Earl and Well; and all the other Lines parallel to A B wil 1 sife be Meri-dians; and all those parallel to A C. Eaft and Weit Paral-lels, or Eatl and Welt Lines.

lels, or Eatland Weft Lines.
Again, the cight Spaces into a bith the Arches are divided
by the Radii, reprefent the eight Foints of the Compals in
a quarter of the Horizon 5 cach compiled in 12
Begree Individed into 12
Be

If the Sinceal Quadrant be taken for a fourth part of the Meridian 5 one fide thereof, AB, may be taken for the common Radius of the Meridian and the Equator 5 and then the other fide AC, will be half the Axisof the World— The Degrees of the Circumference B C will reprefer Degrees of Latitude, and the Parallels to the fade A P, affirmed from exercise to the fade A P, affirmed from every Point of Latitude, to the Asis A C, will be Radii of the Fardlels of Latitude, as likewife the Sine-Complements of these Latitudes.

Complement of the Latinuck.

Support, then, is be equir'd to find the Dagrees of Longuage Constant in \$8,0 of the Leifer Leagues, in the Farallel of \$2^{-8}-Layler Hernal over \$2^{-8}\$ of Latinuck on the Carlos of \$2^{-8}-Layler Hernal over \$2^{-8}\$ of Latinuck on the Carlos of \$2^{-8}-Layler Hernal over \$2^{-8}\$ of Latinuck on the Latinuck of Latinuck the Courfe, and are equal to the Radius of the Parallel G I,

make 6° 15° ot the tast Parattel.

If the Ship fail an oblique Carrie, fach Courfe, befides
the North and South greater Leagues, gives leffer Leagues
Eatherly and Westlerly 1 to be reduced to Digress of Longitude of the Equator—Bat these Leagues being made
neither onthe Parallel of Departue, nor on that of Arrival,
but in all the intermediate ones 5 we mult find a mean pro-

portional Parallel between 'em-

portional Parallel between 'em.
To find this, we have on the laftrument a Scale of croft
Latitudes. Suppole, then, it were requir'd to find a mena
Parallel between the Parallels of 26° and 60°. With your
Competter rake the middle between the 40th and 60th
Degree on the Scale: This middle 'Foint will reminate
against the 51th Degree, which is the mean Parallel requir'd.

#### Use of the Sinecal QUADRANT.

The Use of this lastement is to form Triangles upon, finillar to those made by a Ship's way, with the Meridinas and Pentlles; the fides of which Triangles are measured by the equal Interval between the concernic Ondottents, and the Lines N. and S. E. and the Lines N. and S. E. and the Lines to that if the Proader Line; of that if each Interval be taken for one broader Line; of that if each Interval be taken for one

League, there will be five between one broad Line and another.

acotton. Guppefe, a Ship to have fail'd 15. Lesgae, Morth Zall, one often North's which it to third legact, and makes an Angle of 3 p<sup>2</sup> e sf, with the North part of the Meridian—Here are given to we hings; size. the Courfe and Diliance fail'd, by which a Triangle may be formed on the Intirument, Intillar to that much by the Ship's Courfe, and her Longitude and Lattinde; and hence may the under the Courfe of the Courfe Thus, supposing the Centre A to represent the place of Departure; count, by means of the concentric Arches, along the Point the Ship fail'd in, as A D, 150 Leagues from slag the Fourthe-Ship full dia, and D., 150 Leagues from An EO 1. Then it the Fourt Due Pague the Ship is are rived at a which note.——This does, let D. Et perallel Transple A.D. Bullet on that of the Ship's Courte, difference of Longitude and Latitude 1. The field A. E gives 1 sp. Leagues for the difference of Latitude Northwards, which makes 8° 14°, and the field D. E gives 8 shifter Leagues considering to the Parallel, which being reduced, as thrown above, given the difference of Longitude—And then in the Courte of Longitude Courte of Lon

QUADRANY, in Gunnery, call'd also the Gunner's Square, is an Instrument serving to elevate or lower Cannons, Mortars, &c. according to the Places they are to be

noon, Mestras, Ge. seconding of the Places they are to be levelled of affected to. Sec Monras, Lavrae, Ge, It confills of two Branches, mode of Brill's one about a Poor lengs. I Law broad, and our Line in indiched, but other four lacks long, and the time length and breath the other four lacks long, and the time length and breath deal min 90. Depress, beginning from the foreure Branch, familified with Thread and Plummete. See its Figure re-porteded Tab. Postraries arxives, Figure re-porteded Tab. Postraries arxives, Figure re-porteded Tab. Postraries arxives, Figure re-respired.

QUA

requir'd but to place the longest Branch in the Mouth of the Cannon or Morter, and elevate or lower it, till the Thread cars the Degree necessary to hits a proposed Objects, Sometimes, also, on one of the Surfaces of the long Branch is noted the division of Diameters, and weights of Iron Bullets ; as also the Bores of Pieces, Sec Ondance, CALLIFER, &c.

Coardan of Altitude, is an Appendage of the Artificial Globe; confliting of a Lamina, or Slip of Braia, the length of a Quadratus of one of the great Circles of the Globe; and divided into 90 Degrees.

At the end where the Divinions terminate, is a Nat significant of the Coardinate 
At the end where the Divisions terminate, is a 18st rerected on and furnish! with a Screw, by means whereof
the Instrument is fitted on to the Meridian 3 and moveable
round upon the River, to all Points of the Horizon.
Its Use is to screw as a Scale in measuring of Altitudes, Amplitudes, Azimuths, &c. See the manner of its Ap-plication under the Ufe of the Gronz-

QUADRANTAL Space, in Geometry, fee Qua-DRANT.

DAANY.

QUADRANTAL Triangle, is a spherical Triangle, one of whole Sides is a Quadrant of a Circle; and one of its Angles, a right Angle. See Serianakar Triangle.

QUADRANTAL, in Antiquity, a Vettle in use among the Romant for the measuring of Liquids. See Minaura. It was, at first, call d'Amphora a siterwards Quadrantal, from its Form, which was Square very way, like a Dic-See AMPRORA

Its Capacity was 80 Libre, or Pounds of Water, which nade 48 Sextaries, or 6 Congil. See Congius.

QUADRANTATA Terre, in our antient Law-Books, is

uled for a quarter of an Acre ; now call'd a Rood. See Acre and Roop. Secalfo FARTHINGDEAL. QUADRAT, call'd also Geometrical Square and Line of Shadows, is an additional Member on the Face of the common Gunter's and Sutton's Quadrants; of fome use in

mon transfer and solutions Visations is to follow the in-taking Altinudes, 26. Sec QUADRANT.

The <u>Neutral</u>, K.L.H. (Tab. Natrostowy, Fig. 55.) has each of its fiden divided into too equal Parts commen-cing from the Extreme, to as the Namber 10s falls on the Angles; and repreferring Tangents to the Arch of

Limb. The Divisions are diffinguish'd by little Lines from 5 to 5, and by Numbers from 10 to 10 3 and the Divisions being occasionally produced a-cross, form a kind of Lattice,

confisting of 10000 little Square The Proportion here, is, as Radius is to the Tangent of the Altitude at the place of Observation (i.e. to the parts of the Quadrat cut by the Thread) (o is the diffance be-tween the Station and foot of the Object, to its beight above

Use of the Quadrat, Geometrical Square, or Line of Shadows.

the Eye. See ALTITUDE

 The Quadrat being vertically placed, and the Sights directed to the Top of a Tower, or other Object, whole Height is required it if the Thread cut the tide of the Qua-drat mark a right Shadows, the distance from the Bate of the Tower to the Point of Station is left stan the Tower's Height — If the Thread fall on the Diagonal of the Square, the Diffance is just equal to the Height ——If it fall on that fide mark'd verfed Shadows, the Diffance exceeds the

Hence, meafuring the Diffance, the Height is found by the Rule of Three; instituted as there are three Terms giver——Indeed, their diffusions is not always the fame; for when the Thread cars the fide of veryfid Shadows, the fift Term in the Rule of Three cought to be that part of the fide can by the Thread, the fecond the fide of the Shadows, and the third the Diffuser needed. It has the Thread can be desired. and the third the Diffance measur'd—If the Thread cut the other fide, the fift Term is the whole fide of the Square, the second the parts of the fide cut by the Thread, and the third the Diffance.

For an Inflance of each-Suppose, e.gr. in looking at the Top of a Steeple the Thread cut the fide of right Shathe 1 op of a steeple the 1 from car the those of right above in the Point 40, and that the Diffusne measures are Poles 3 the Case then will fland thus: As 40 is to 100, so is 40 to a fourth Term, which I find to be 50 5 the Height

is no to a fourth Term, which I find to be 50; the Height of the Steeple in Poles.

Again, fuppofing the Thread to fall on the other fide, in the Point 50, and the Diffunce to measure 3; Foles; the Terms are to be disploed thus: As too is to 60; fo is 35 to a fourth Term, with 21, the Height required.

### Ufe of the QUADRAT without Calculation.

The preceding Cafes may be perform'd without Calcula-tion where the Divifion of the Square are produced both ways, 60 axts form the Area into little Squares. Thus, fuppole, 1. The Thread to fall on a to in the fide of right Stadows, and the Dithance be measured to Poles 3

50, which is the Height requir'd in Poles a. If the Thread cut the fide of verfed Lines in the Point

5. If the Thread cit the fall of corpid Lines in the Penic, and the Dilinance be 57 felles; count 57 parts on the Control of the Control o

ASPECT This is held a malignant Afpect. See QUARTIES

This is held a malignant Afpect. Sec QUARTILE, QUADAT, in Frinting, is a fort of Spary; that is, a piece of Metal, cast like the Letters, to be used occasionally in Composing, to make the Intervals between Words, at the ends of Limes, Ele. Sec Paintino. There are Quadrats of divers Sizes, as in Quadrats, in Quadrats, Sec which are respectively of the Dimensions of

Just Letters.
QUADRATA Legio, among the Remens, was a Legion
confiding of 4000 Men. See Lecton.
QUADRATHIC Equations, is an Equation wherein the
unknown Quantity is of two Dimensions, i.e. is the Square
of the Root or Number Goght—As in x<sup>\*</sup>=== +5°. See

EQUATION. Suadratic Equations are of two Kinds; fimple, or pure;

and adjuted.

Simple, or Pure Quadrativity, are their where the Simple, or Pure Quadrativity, are their where he being piece in As index may be mixed; a mixed (1) 27 min 32 min and the simple of their leaves; it howe approve that nohang more is regird in the nonempt may be approximated to the simple of the si

Number given, have some intermediate rower of the un-known Nambers: As as—b====co. See Appendix.

All Equations of this Runk are in one or other of the following Forms: sic. as—as—R. Ra==as=as=as=.

There are leveral Methods of felving adfields Equations, or of extracting their Roots; the most convenient is that of Harries—Here, a being affirmed as a part of the Root; of Harrist—Here, a being attumed as a part of the Root;
a, the known Quantity of the fectod Term, will be double
the other part; and therefore half of a is the ether part—
The Square, thereof, will be compleated by adding one
fourth of a s, which done, the Root of the Square may be extracted thus:

$$x^{+} + ax = b$$

$$\downarrow aa \downarrow aa \downarrow aa add.$$

$$x^{+} = ax \downarrow a^{+} = \downarrow a^{+} b^{+}$$

$$x^{+} \perp a = \sqrt{(\downarrow a^{+} b^{+})}$$

$$x = \downarrow a \sqrt{(\downarrow a^{+} b^{+})}$$

In lies of the Characters + and -, we here use two Points; to avoid the necessity of distinguishing feveral Cases. See Resolution.

Construction of Quanatic Equations; see Construc-

QUADRATING of a Piece, among Gunners, is the feeing that a Piece of Ordnance be duly placed, and poz'd in its Carriages; that its Wheels be of an equal Height, &c.

See CARRIAGE, ORDNANCE, CANNON, &c.
OUADRATO-quadratum, or Biquadratum, the fourth
Power of Numbers: or the Product of the Cube multiply'd by the Root. See Power.

by the Root. Soc Powers.

QUARRAYO Guiller, QUARRAYO - QUARRAYO - Chibar,
and QUARRAYO Guiller, Quarrayo - Quarrayo - Quarrayo

Both Powers of Numbers. Soc Powers in Supply, the, and
Apply of the Company of the Company of the Company

Mental Where Ow can find right Lines could to the Circum
ference of a Circle, or other Curve, and the Feveral Pran
theoroff. Soc Clarical, the Supplearing of a Circum
in Supplementary of the Company of the Company

Mental Company of the Company of the Company of the Company

Mental Company of the Company of the Company of the Company of the Company

Mental Company of the 
Or, more accurately, the Quadratrix of a Curve, is a transcendental Curve, described so the same Axis, the Semiordinates whereof being given, the Quadrature of the correspondent Pares in the other Curve, are likewise given. See Cunva.

Thus, e.gr. the Curve A N D (Tab. Analysis, Fig. 21.)
may be call'd the Quadratrix of the Parabola A M C, fince
'tis demonstrated that A P M A is = P N\*, or A P M A= AP. PN, or APM A = PN a, Sc.

Q.UA (927) QUA

The most emineut of these Quadratriest are that of Di-sopprates and that of Mr. Tybbirnbungin for the Circle, and that of Mr. Perki for the Hyperbola. Quannaratra of Disophrates, is a Curve, A M m m, (Tab. Anatrasis, Fig. 2a.) whereby the Quadrature of the Circle is effected, the 'not Geometrically, but Mecha-nically is the call of moin in leavenous Disophrates.

sically is thus call  $\delta$  from its laveauce Distiple acts. An N in Goodsin in the N—Divide the  $Q_{pole}$  and A A A is a continual Bolf-Gibbon—slivide the Radios A C from the first number of Pran in the Printe  $P_i$  S C. Draw Radii C  $N_i$  as,  $S_i = -1$  and  $N_i$  and  $N_i$  C in the Printe  $P_i$  C  $N_i$  erech Pereduction  $N_i$  C  $N_i$  C

gr = by. See QUADRATURE.

QUADRATRIX Thebruhauftana, is a transcendental Curve

All mm B, (Fig. 23.) whereby the Quadrature of the Circle is likewife effected; invented by M. Tichirnhaufen, in imitation of that of Dinofrates. Its Genefis is thus conceived -- Divide the Quadrant

Its Geochi is that concerved.—Drived the Quadrant ANE, and its Ranin AC into could Part, as in the ANE, and its Ranin AC into could Part, as in the Lace V N,  $\rho$  an, g c, parallel to CB, and from the Point,  $\eta$ , g c. g can be a proper of the proper of the  $\rho$  consists AM m, g c. the right Lace N M, m as g c. parallel to AC—The Points AM m, g c. their geometric, the  $\rho$  consists  $\rho$  c.  $\rho$  c. The  $\rho$  c.  $\rho$ 

QUADRATUM Cubi, QUADRATO-QUADRATO-QUA-DRATUM, and QUADRATUM Surdischlas, &c. are Names used by the Arabs for the 6th, 8th, and 9th Powers of Numbers. See Powers.

QUADRATURE, QUADRATURA, in Geometry, the figure to a Square; or the finding a Square equal to a Figure to a Square; or the finding a Square equal to a Figure proposed. See Figure

and SQUARE. and Socaar. Thus, the finding of a Square containing just as much Surface, or Area as a Circle, an Ellipse, a Triangle, or other Figure, is call'd the Quadrature of a Circle, an Ellipse, a Triangle, or the like. See Circus, &c.

The Quadrature of Rectilinear Figures comes under the common Geometry; as amounting to no more than the finding their Areas, or Superficies; which are in effect their Squares. See Area.

Squares of equal Areas are here easily had, by only ex-racing the Roots of the Areas thus found; and on such Root as a fide confiructing a Square. See Square. See square. under each particular Figure, as TRIANGLE, PARALLELO-AM, TRAPEZIUM, Ec.
The Quadrature of Curves, that is, the measuring of their

Area, or the finding of a rectilinear Space equal to a ear-vilnear Space, is a Matter of much deeper Speculation; and makes a part of the higher Geometry. See GEO-METRY.

The the Quadrature especially of the Circle, bee a thing many of the first-rare Mathematicians among the Antients were very follicitous about, (fee Quadranzers of the Circle) yetnothing in this kind has been done to confiderable, as in and fince the middle of the last Century; when, vis. as in and more the middle of the last Century; when, 612, in the Year 1557, Mr. Noil and my Lord Brownker, and afterwards, is the fame Year, Sir Christopher Wren, Geometrically demonstrated the Equality of Iome Curves to a flraight Line.

Soon after this, others at home and abroad, did the like in other Curves; and not long afterwards the thing was brought under an analytical Calculus, the first Specimen whereof ever publified was given by Mercator in 1688. in a Demonstration of my Lord Brounker's Quadrature of the Hyperbola by Dr. Wallis's reduction of a Fraction into an infinite Series by Division. See Quanaruaz of the

Perelola. Persona.

The' it appears by the way that Sir Ifanc Newton had before difeover'd a Method of attaining the Quantity of all quadrable Corves applyically by his Method of Fluxions, before the Year 1668. See Fluxions.

'Tis contested between Sir Christopher Wren and Mr. Huygens which of the two first found the Quadrature of any determinate Cycloidal Space Mr. Leibnizz afterwards

ound that of another Space ; and M. Bernoulli in 1699, from that of another Space; and M. Zerwoulli in 1699, difference of the Packetsture of an infinity of Cycloidal Spaces, not only Segments, but also Section, Ec. See Quanantous of the Cretical Quanantous of the Lane, &c. Quanantous of the Cretical, is a Problem that hat comployed the Mathematicians of all Ages; but fill in vain.

CC CIECLE. It depends on the Ratio of the Diameter to the Periphe-

ry, which was never yet determined in precise Numbers.

Were this Ratio known, (which would imply the Cir-camference's being express'd by some Affection of the Diameter; and, of consequence, that it were equal to a right Line) the Quadrature of the Circle were effected; in right Lame) the Little area of the Little were enected; it being demonstrated, that the Area of a Circle is equal to a rectangular Triangic, whose two Sides comprehending the right Angle, are the Radius, and a right Line equal to the Circumference—So that to square the Circle, all that is required is to rectify it. See CIRCUMPERENCE and REC-FIGATION.

TISEATION.

Many have approach'd very near this Ratio—firthmoder feems to have been one of the first who attenuted to the control of the control of the first who attenuted and circumferities and by uniform the control of so dieve fixed the Ratio as 7 to 2s. See POLYROW.

Some of the Moderns have come nearer, particularly and the control of the con

than 3.141 592653589793238462643383879503 but yet grea-ter than the fame Number, if the last Cyphor be turn o an Unit.

strict Geometry here failing. Authors have had recourse to other Means; and particularly, to a fort of Corves, call'd Quadratrices: But their being Mechanical Curves, instead of Geometrical ones, or rather Transferedental instead of Algebraical ones, the Problem is not fairly folved thereby. See TRANSCENDENTAL, MECHANICAL, &C. QUADRATRIX,

TRANSELDISSIA, MECRALICAL, ÉSC. (QUARATRIA, HERCE, PORCHE IS BASE EAS, BOHNE, D. ABIÇÜEand the Problem attempted by three form of Algebraic Calculations—He in gives a line of terminodent il garand the Problem attempted by three forms of Algebraic Calculations—He in gives a line of the result of the problem of Termino of the Occasion o of Terms. Arithmetic, in effect, affords us very accurate and intel-

lighble Experitions for all rational Numbers; but it is de-fetile; as to Irrainousla, which are infinitely more name-rous than the former: there being e.gr. as Infinity of em-bewomen and a. The Rott of st, which is mean Proper-lated and the Rott of st. which is mean Proper-lated and the Rott of st. which is mean Proper-ian Numbers, which alone are clearly inhelligible; you may fill approach neter and accord is exact Value, but Than, if for the Value of the Rott of s, you firly go, st. st. withly too little s; if, the, you add b, 'tate on much s for the Square of s -4, or of s, created s: If, sgain, you take easy s', you'll find you have taken to omely, and if you have the results of the Rott of the Rott of the proceed to Intimy vision create facility. ligible Expressions for all rational Numbers; but it is de-

proceed to Infinity, without ever finding a Numberto flop at,
Now these Numbers, thus found, being disposed in their
proper Order, make what we call an Infinite Series. See SERIES.

Further, of infinite Series's, there are fome which only yield a finite Sam, as \$, \$, \$, \$, \$. and its general all fuch as decreate in Geometrical Propertion—And there are others, on the contrary, which make as infinite Sum; as the Harmonical Programmer, \$, \$, \$, \$, \$, \$. See Proon Essions.

monical Progression, \$1, \$2, \$20. See PROGRESSION.
But, here, we have only to do with the former, as expressing a finite Magainudes yet camot even the Sum of these be always found——"Thus, we are certain, that 'is impossible to find the Sum of the Series expression the Root of a.

Geometry, however, is free from the Impeffibility A-rithmetic labours noder, of expressing irrational Numbers. ——Thus, the Diagonal of a Square, whose Side is r, expresses the Root of 2. See DIAGONAL.

expecifies the Kost of a. See DIAGONAL.

Yet in other Magnitudes, Geometry, itelf, may fall under the fame Difficulty with Arithmetic——For it is possible, there may be right Lines which cannot be expected but by an infinite Series of firmilar Lines, whose Sum it may be impessible to find.

outh it may be impossible to find.

In effect, the right Lines, which should be equal to Curves, are frequently of this kind——In fearthing, s.gr. for a right Line equal to the Circumsterence of a Circle, we

for a right Line capsal to the Circumference of a Circle, we find that the Dismeter belog put 1, the Circumference will be \* 16th, \$\$^4\$ more, \$\$^4\$ Life, \$\$^6\$ more, \$\$^4\$ See, making an infinite be \* 16th, \$\$^4\$ more, \$\$^4\$ Life, \$\$^6\$ more, \$\$^4\$ See, and the production of the state of t If at all products it ever will be done—I with, nowever, is not yet demonstrated, nor, of confequence, is the End-drature of the Gircle yet demonstrated imputible. To this is may be added, that as the faunt Magnitude may be expected by feveral different Series, 'this possible the Circum-ference of the Circle may be expected on infome other Series,

whose Sum may be foundwhole Sum may be found—We have two infinite Scries, experiing the Ratio of the Circumfrence to the Diameter, the indefinitely, as above—The first difference of the Standard Reviews where the Diameter being put 1, the Circumfrence is  $4-\frac{3}{2}-\frac{3}{4}$ ; 3/2. The Diameter being put 2, the Circumfrence is  $4-\frac{3}{4}-\frac{3}{4}$ ; 3/2. The Diameter being 1, the Circumfrence is  $4-\frac{3}{4}+\frac{3}{4}+\frac{3}{4}+\frac{3}{4}-\frac{3}{4}$ ; 3/2. The Investigation of each of which Series, by the Calsular integralis, is as follows.

Sir Ifaac Newton's Quadrature of the Circle; or the In-veitigation of his Senes, for iquaring the Circle.

Weingation of the order, for figuring the state of the Kadimor the Circle,  $A \subset = 1$  (Tab. Arativis, fig. 14.)  $C P = x_1 y_2 = \sqrt{(1-x^2)}$  and  $\sqrt{(1-x^2)} = 1 - \frac{1}{x^2} -$ 

When so becomes equal to the Radius CA, the Space DCP M degenerates into a Quadrant. Subfittingles, therefore, I for so, the Quadrant will be  $1 - \frac{1}{4} - \frac{1}{4} - \frac{1}{4} \frac{1}{4} = \frac{1}{4$ 

M. Leibnitz's Quadrature of the Circle.

Let the Taogent K B (Tab. Analysis, fig. 25.) = x,
BC = r; and the Secant A C, infinitely near another C K,
and the little Arch K L be drawn with the Radius C K; and not little Arch K.L. be drawn with the Radius CK.; then will AK = dx, KC = \sqrt{1 + s^\*}). Now fince the Angles at B and L, are right Angles; and by reston of the infinitely finall Angle KCL, the Angle BKC = KAC; we finall have

KC: BC::KA:KL

 $\sqrt{(1+x^2)}$ : 1:: dx:  $\sqrt{(1+x^2)}$ Further CK: KL:: CM: m M

 $\frac{ds}{\sqrt{(1+\alpha^2)}} \cdot \frac{ds}{\sqrt{(1+\alpha^2)}} \cdot \frac{1}{(1+\alpha^2)} \cdot \frac{1}$ 

the entire Area of ne Circle.

Quana Arvur of the Lunes—Tho' a definite Quadrature of the entire Circle, was never yet given; yet there have been various Portions of it fiquary—The first partial Quadrature was given by Hippocrates of Chio; who fiquared a Portion call'd, from its Figure, the Lunes, or Lunula. See Lune, where the Quadrature is shown.

This Quadrature has no dependance on that of the Circle; but then it only extends to the entire Lune, or its hulf: If you would fquare any Portion thereof, at plea-fure, the Quadrature of the Circle comes in the way.

Yet some of the modern Geometers have found the Quadrature of any Portion of the Lune at pleasure, inde-pendently of the Quadrature of the Circle; the fill subject to a certain refirstion which prevents the Quadrature from being perfect, and, as the Geometricians call it, absolute and indefinite.

In 1701, the Marquis de l'Hopital publish'd a new men-ner of squaring the l'arts of the Lane taken different ways, and under different Conditions—the this, too, is imperfect in the fame manner as the others.

Quanarum of the Ellipsis—The Ellipsis, too, is a Circle whose precise Quasirature in definite Terms is not yet effected. We have here therefore, as before, recourse to a

To find the QUADRATURE of the Ellipsis.

Let AC (Tab. Analysis, Fig. 26.) = s G C = c P C = x. Then will

 $\begin{array}{ll} = x. & \text{Then will} \\ y^* = c^* = (a^* - x^*) : a^* \\ y = c \vee (a^* - x^*) : a \\ & \text{But } \sqrt{[a^* - x^*]} = a - \frac{s^* - s^* - s^* - (s^* - \gamma x^{**})}{2^a \cdot 8a^* \cdot 16a^* \cdot 12ba^* \cdot 2\gamma ba^*}, \ \ \text{GC.in} \\ & \text{infinition.} & \text{Therefore, } y \text{ds.} \text{much } \frac{c^* \cdot dx}{a^*} - \frac{c^* \cdot dx}{16a^* \cdot 12a^*} - \frac{c^* \cdot dx}{16a^* \cdot 12a^*}. \end{array}$ 

50x4dx - 70xx0dx &c. in infinitum.

128a - 256a'x &c. in infinitum.

If then for x be put a; the Quadrant of the Ellipfis will

then for the period of the Lings will be ac - to ac -

Ellipsis, if a denote the entire Axis.

Hence, I. If  $\sqrt{so} = 1$ ; the Area of the Ellipsis =  $1 - \frac{1}{\sqrt{s}} = \frac{1}{\sqrt{s}}$ 

erident hat a Ellipfa i sequal to a Grick whole Dannete is a mean Proportional between the conjugate Axes of the angle of the proposed of the evident that an Ellipfis is equal to a Circle whose Dismeter

ydx=a': 1x': 1d

 $\theta dx = \frac{1}{3} a^{\frac{1}{3}} a^{\frac{1}{3}} a^{\frac{1}{3}} = \frac{1}{3} \sqrt{ax} = \frac{1}{3} \sqrt{x} y^{\frac{1}{3}} = \frac{1}{3} xy$ .

Hence, the Parabolic Space is to the Kechangle of the Solordinate into the Abfeiffer as  $\frac{1}{3} xy$  to xy; that is, as  $\frac{1}{3} xy$  to xy; that is, as  $\frac{1}{3} xy$  to xy;

QUADRATURE of the Hyperbola-For this, too, we have a Quadratria, invented by Mr. Perks. See Qua-DRATBIK.

DE ATRIK.
The analysical Quadrature was first given by N. Mercator
of Hospitan, the first inventor of infinite Series. But Mercator finding his Series by Division; Sir Iface Necrotes and
M. Letimite improved upon his Method; the one feeking
cm by the Extraction of Roots, the other by a Series prefuppoled. See SERIES.

Mercator's Quadrature of the Hyperbola between its Alymptotes

Since in an Hyperbola within the Afymptotes,  $a^z = by + xy$ ; or, if a = b = x, (which may be supposed, fince the determination of b is arbitrary.)

nghattam.

Quaddature of the Opelaid—Since TP (Tab.
Analysis, Fg. 27.) = FM 5 in the Triangle PM T,
the Angles M and T will be equal; and confequently,
TPQ=: M. But the Messure of the Angle A P Q is

c half Arch AP; which likewife menfares the Angl PA. Therefore APQ = TMP = MmS, by reafor M P and mq are parallel.

Wherefore, fince the Angles at S and Q are right Angles,

Wherefore, fince the Angles us 8 and Quere tiple Angles, we have  $V = V_{\rm c} = V_{\rm$ 

Semicircle APB

Semsirkle APB. Hence, Since CB is equal to the Semiperiphery of the Circle 3 that = 9 and  $AB = a_3$  the Rectangle B CD A  $= a_3$   $p_3$  and the Semiciscle AP  $= a_3$  and, configurately, the external Cycloidical Space AD  $C = \frac{1}{3} a_3^2$ . Therefore the Arca of the Semicylcold A CB  $= \frac{1}{3} a_3^2$ . Therefore the  $a_3$  and  $a_4$  are the Semicylcold A CB  $= \frac{1}{3} a_3^2$ . Therefore the  $a_4$  and  $a_4$  are  $a_4$  and  $a_4$  are  $a_4$  and  $a_4$  are  $a_4$  and  $a_4$  are  $a_4$  and  $a_4$  and  $a_4$  are  $a_4$  and  $a_4$  are  $a_4$  and  $a_4$  are  $a_4$  and  $a_4$  and  $a_4$  are  $a_4$  and  $a_4$  are  $a_4$  and  $a_4$  and  $a_4$  are  $a_4$  and  $a_4$  are  $a_4$  and  $a_4$  are  $a_4$  and  $a_4$  and  $a_4$  are  $a_4$  are  $a_4$  and  $a_4$  are  of the generating Circle.

QUADRATURE of the Logific, or Logarithmic Curve— Let the Subsangent PT (Tab. Analysis, Fig. 28.) = s, PM = s Pp = ds; then will

gdx : dy = a

OUA (929) OUA

the Subungent into the difference of the Semiorillanes, s. Therefore the Space BAF Ms, is to the Space PAN SQ as the difference of the Semiorillanes. Band P Ms to the difference of the Semiorillanes P M and SQ. Note, I fa Carte be not trippled a deficitibe are only an Equation to it giften, fo as a deal's appear, s. Cyr., where do Origin of si to the fixed, we are not part and in the larger than the semi-semiorillanes, if there he way, sade the contary Sign and the c

the Remainder, it there be any, under the contrary Sign is to have the Endatastire Guight.

Oranda Tune of Ose Certer's Curve, which is defined by the Equation, b':x'==b-x:3.

Since, b y==bx'-x'

Since, b y=be-x;

y=(be'-x\*); b'

gdx=(be'dx-x\*)d; b'

gdx=x\*; b-x\*; b'

QUADRATURE of all Curves comprehended under the ge-

usual Equation y=x(x+a)Since y=x(x+a): = ydx=dx(x+a): =

To render the Element integrable ; fuppofe, Then will  $x+a=v_s$   $4x=w_s-av$ 

ydx == mo=do  $\beta dx = mv^n + 1 = m(x+a) \sqrt{-(x+a)}$ . Let  $x \Rightarrow 0$ : The

m+1202-1-1 Remainder # s v a. Whence, the Area of the Curve is

 $\frac{n}{n+1}(x+s)\sqrt{-(x+s)} \rightarrow ms\sqrt{-a}$ .

QUADRATURE, in Aftronomy, that Afpect, or Situation of the Moon, when the is 90° diffrant from the Sun. See

Moon. Or, the Quadrature is when she is in the middle Points of her Orbit, between the Points of Conjunction and Opposition, which happens twice in each Revolution, viz. in the first and third Quarter. See Orbit, Opposition and Cox-

Quadrature. See GRAVITY

guarantees occion a viru.

In her recest from the Quadranters to the Sysygies, the Gravity motionally decreates, and the Volocity increales.

The Ratio is tusts. As Radious is on the Sun, or Difference of one and a balf the Co-fine of double the distance of the Mone from the Sysygy, and half the Radius is to its distance of the Mone from the Sysygy, and half the Radius is to its distance of the Co-fine of the Money of

Hence the Moon's Orbit is more Convex in the Quadra-Hence the moor's Orbit is more Convex in the Management, that in the Syzegies; and hence the Circular Figure of the Moon's Orbit is changed into an Oval, whose greater Axis goes through the Managed into an hence, allo, the Moon is left diffunt from the Earth at the Syzygies,

auto, me Moon is test dittant from the Earch at the Syrygies, and more at the Gandarsturn's. See On a 117.

The no wonder, therefore, that the Moon approach neare the Earth when he Gravity is dimmifiled; I that Accel not being the immediate effect of this Diminustion, but of the Infection of the Orbit towards the Gandarsture.

In the Standarsture, and within 53 Degrees thereof, the Control of 
Aphidesof the Moon go backwards, or move in antecedentia

appacator the Moon go backwards, or move in antecedent's shar forwards in the Sysygies. See Arsipes.

The Moon's Orbit undergoes various Alteration in each Revolution.——It Excenticity is the greateft when the Lice of the Apfides is in the Syzygies; leaft, when in the Quadratures. See Excentricity.

REMEASTRIPTS. SEC EXCENTRICITY.

Confidency one entire Revolution, the Nodes move flower and flower as the Moon approaches the Readstripts, and reft when five is therein: But confidering liveral revolutions, the Nodes go back fafteft in the Ruadratures.

Ste None.
The Inclination of the Plane of the Moon's Orbit increates as the Nodes go from the Syzygies, and is greateft when the Nodes are in the Quadratures. See INCLE-

NATION,
QUADAATURE-Lines, or Lines of QUADAATURE, are
two Lines frequently placed on Geneter's Sector.
They are mark'd with the Letter Q, and the Figures 5,
6, 7, 8, 9, 10, 96 which Q figuities the fide of a Sequere,
and the other Figures the fides of Polygens of 5, 6, 7, &c.

fides—S there stands for the Semi-diameter of a Circle, and so for a Line equal to so Degrees in the Circumference. See Sacron.

QUADRATUS, in Anatomy, a Name apply'd to feve-l Muscles, in respect of their square Figure. See

MUSCLE. Quanarus Femorii, a Member of the Muscle Qua-drigeniums, arising from the Apophysis of the Ifebium, and maintaining an equal breadth and bulk to its inferious just below the great Tochanter.

This affilis with the other Muscles of the Quadrigeniums,

This stills with the orner nutries or the general swimm, to turn the Thigh outwards Sec Quantoran nius.

Quantarus Gene, or Mazille inferioris, call'd alfo Montanus, is a bread figure Mufele lying immediately under the Skiu of the Neck—It arifes thin and membranous der the Skin of the Neck—It arifes thin and membranous from the upper part of the Spines of the Pertebre of the Neck and the Skin of the Superior parts of the Casullaris and pectoral Musicle 2, whence, spreading over the Neck, it becomes sleshy, and is inferred partly into the 0.1 Hymids, and partly into the under Edge of the lower Jaw—It serves to pull the lower Jaw downward. See Subeura

QUADRELS, in Building, a kind of Artificial Stones, periodly fquare, whence their Name; made of a chalky, or whitifh and pliable Earth, &c. dried in the Shade for two

They were formerly in great request among the Italian ArchiteSs. QUADRIGA, in Antiquity, a Car, or Chariot drawn by four Hories. See Can and Changer.

On the Reverse of Medals we frequently see Victory, or the Emperor, in a Badriga, holding the Reins of the Horses; whence these Comes are call'd among the Curious,

Hofer's whence their Comma arcell'd among the Carious, Quadragizet, or Hieritaria. See Manach. Author of the Quadragizet, or Hieritaria. See Manach. Author of the Quadragizet.—Cario maker's the truncation of Alianza-tians which Seminera Virgil follows in his Georgie, blin il. v.112—Algebray piece President the Homoson thereof—Herrillian, ab goldar, 1.9, (as) it was in-vened among the Argiant, by Tracellian, in honour of James and at Rame, by Remultar in honour of Marry, or Quirriems. More of Virgua, Carion, 4.4, yall have to to have been invented by one Procidus, about the time of the ethablishment of the Kingdom of Athems. Laviardels, Hist. Universit. Epitom. 1. ad. (asy the farm of Tripotentus. Laully, if there be not Opinions enough already, Herodatus gives us another ; and fays the Greeks borrow'd is from the Lybians-Pliny tells us that his Scal was a Busdriga, lib. xvi. See Saar.
The Word is form'd from the Latin, quaryor, four, and

gam, youk. See Biga. OUADRIGEMINUS, in Austomy, a Mufele, or rather

an Affemblage of four Mufcles; ferving to turn the Thigh outward The first of the constituent Muscles of the Quadrigeminus is the Pyriformis; the second and third the Gennii; and the fourth Quadratus Femoris. See each described under

the fourth Bussersetts seements. See each detertined unner tite proper Article, Pyras room suits, Genativas, Eff. QUADRILATERAL, in Geometry, a Figure whole Perimeter calls of four right Lines, making four Angles; whence it is also call'd a Quadrangular Figure. See Qua-

DEANGELAR. If the feveral Angles be right, the Figure is a rectangular Quadrilateral -- If oblique, an oblique angular Quadri-lateral. See RECTANOULAR, So.

If the Sides of a Quadrilateral be equal, and the Angles right, the Figure is a Square. See Square. If the Sides be equal, but the Angles unequal, the Figure

It measure be equal, our me angree unequal, the Figure is a Rebookst. See Remonstry. If the Angles be equal, and the Sides unequal, the Figure is a Refengle. See Revanata.

If only the oppoint Angles and Sides be equal, the Resolution of the Angles and Sides be equal, the Resolution See Remonstores.

drilatral in a Rhomboides. See RHOMNOIDES.
If the opposite Angles and Sides be unequal, the Quadrilateral is a Trafesium. See TRAFRIUM.
The two opposite Angles of any Quadrilateral Figure inferibed in a Circle, always make two right Angles. See

OUADRILL, QUADRILLA, a little Troop or Company of Cavaliers, pempoufly dreft'd and mounted ; for the performance of Carroufels, Josefs, Tournaments, Runnings at the Riog, and other gallant Divertifements. See Journ

the Kag, and order gainst Deventeness. See Jour,
A regular Carroudel is to have at leaft four, and at most
welve Quadrilli. See CARAOUNEL.
Of the Quadrilli, each is to confish of at leaft three
Caraliers, and at most of welve.
The Quadrilli are diffinguish by the Form of their Habits, or the Divertity of their Calcure. See Cotoun, Li-

VERY, &c.

The Word is borrow'd from the Italian, being a Dimi-nutive of Squadra, a Company of Soldiers rang'd in a Square: For Squadrare is, properly, to dispose any thing square; whence their Quadrigla, the French Squadrille and Quadrilla, and our Quadrill—"Tis not fifty Years fince they wrote Sauadrilla.

uncy weete Squastrial.

QUADRIPARTITION, the dividing by four; or a taking of the fourth part of any Number or Quantity. See
DIVISION, PARTITION, 85c.

Hence Quadriparine, &c. fomething divided into four. See INDENTURE

QUADRIREME, QUADRIREMIS, a Galley or Veffel with four Oars on a fide. See Galley. QUADRUGATA Terre, in old Law Records, is a Team-Land; or for much as can be till'd by four Horfes.

Sec CARUCATA

QUADRUPED, in Natural History, a four-footed Beast-Mir. Ray defines Quadruped, a perfect, hairy, viviparous Animal, having but tour Feet. See ANIMAL. Animal, having but four Fect. See Animal.
There is a great Analogy between the Structure of Quadrupeds, and that of Man—The principal differences refull from their different Polure's and are feen in the Logs, Heads, Nocks, Stomachs, Hearri, and the Novert. See Leg. Heads, Nocks, Stomachs, Hearri,

Mr. Ray gives us the following Scheme or Division of Quadruped

Quadrupeds are either hoof'd, (unguiata); or claw'd, or

<u>Openwydd</u> are either noor d<sub>1</sub> (longuning) y uraww, y dipirate, (mgwieddas)
<u>Hofied Quanufern</u>, are either, t. Whole-hoefed, So-lidiged, Niegon, Mirzys, Shidiangula: As the Horfe, Ali, the Obegeror wild Afa; the Mule, and the Zebra of Africa, or the fine thirped Ending, or African Afi, almost likes blaid in Form and Scaune. See Hoso.

It was the first than the Company of the Co

no one hath two Horns—(he might have faid any Horns) no one hath the Talus, or Aftragalus, nor have the Mules

any appearance of Breatts. See Horn.

2. Cloven-Footed, and that either into two divisions only; as the alger, or Bifulcate Kind, which are again subdivided

into fach as are, firth,

Raminant, Meyoudgers, that is, fach as chew the Cod;

Raminant, Meyoudgers, that is, fach as chew the Cod;

and the cinthe have hollow and perpetual Horas, as the
Ball, Sheep, and Goat-kind; or Decidows, as the Hart and
Ball, Sheep, and Goat-kind; by the drier Horas annually. See HEAD.

Head.
Of the Bull-kind are recked'd thefe; the common Bas,
of which the Male is Manuar, the Femnie Facca. (a.) The
German Urus, Urbach, or Americh: (b.) The Billon. (c.)
The Benaghi. (c.) The Bibbblas, or Bufalo. (6.) The
Bas Affresance Bellonius Officia. (c.) which he takes to be the Bulaslus of the Antients.

Of the Steep kind, befides the common fort, are recken'd the Arabian Ovis Latinauda, whole Tail is fometimes of 50 l. weight; the Ovis Strepfleres Cretica Bellonii; the Ovis Africana, with fhort Hairs instead of Wool; the Ovis Guinconfis, or Angelenfis of Marcgrave, (Hith. Brafil,

1. 6. c. 10.)

Of the Goat kind, are, besides the common Capra Do-Of the Cool sind, are, bendes the common Capra Di-moffics ; the Box, or German Strinbock, found in the Tops of the Alps; the Rupicapra, Fremb Chameir, German Gous; the Gazalla Africana, or Anteloge; the Gazella Indica; the Capra Sylveyfris Africana Grimmit; the Capra Mambrina, or Syriaca of Gefiner; the Bufelaphus, or Mos-chelaphus Caii in Gefiner; the Tragelaphus Caii in Gefiner.

chelaphus Cati in Gejher; the Tragalapous Casi in Gejher.

Of the Hart or Dev-kind, are reckond, the Gervan,
"Bassis, the red Der; the Gerum Plattwers or Palmassis,
the fallow Der; Alee or the Elk: Rangifor, the Rain-Deers
the Asis Plinii, according to Bellonius; the Capras Plinii, the Cognaco-ere, and Cognaco-mapara of Marcgrave ; the Capres Grosulandica.

 Of Cloven-Fosted Animals into two parts only, and which do not chew the Cud, there is only the Hog and Swinc-kind; and under this head, befides the common Swine-kind; and under this head, hefides the common Swine, are rectond the wild Boar, or Swine; the Poreus Guinesuffs Margravii; the Poreus Indicas call'd Babyrouffs; the Tojaca or Aper Newicanus Mofibiferus of Dr. Tjön, call'd by Margrava. Tajaca Camigaara, by others Quantila Cogmalt, and Quapizelt, and by Angla and fome others Zains

3. There are some four-footed Animals, whose Hoof is There are to the four Divisions; and these feem to be not Ruminant: As the Rhinoceros, the Hippopotsmus, the Tapijerete of Brasa, the Capy-Bara of Brasa, the Animal Most chiferan

chiprome.

Clarend or Digitate QUADRUPED: 1 Of this Kind, there
is, (1) a fort whose Claws are not divided or separated,
but athering to one another, covered with one sone
Skin, but with obtuse Nails, sticking out round the Mangia
of the Poot; as the Elephant, which is Acomalous, and
not clearly reservable to this Kind or that of Clorus-footed Quadrupeds.
(2.) There is another Species of this Digitate-kind of

Darwystis, which hash why yes Clean, as that of Cannels; and Mo infect feater on Heren, they do had seminated and the infect feater on Heren, they do had seminated the have all the feater formed for the Cannel of Decembers there are run forn; one had been considered to the Cannel of Decembers there are run forn; one had not all the Cannel of Decembers there are run forn; one had been good to the Person of Clean, which from hard money the Sheep-kind is as if the Person the Court of the Cannel of Cannel of the Cannel of Numbers and Varieties of this Species of Quadrupeds; of which Naturalifts have described these: viz. the Ourang. which Naturalitis have deferibed these: view. the Oursey, Oursey, or Hum Sylvespiri of Dr. 1956, and desirbed to Parsey, Oursey, or Hum Sylvespiri of Dr. 1956, and desirbed to His in a Sylvesian Discussion. The General of Parsey, Marie the face Region, described by Zerrors the Catalon of the fame Country is the Corceptivess: Barkstats distinctely, two fame Country is the Corceptivess: Barkstats distinctely, two or three Growth of the Computation Angelogist majors the Corceptivess non Barkstats (Infi); the Correptiblesses Cata-cian in April 1956, pages very prominent like Dogs, they are call d Cynocephali

4. A fourth Species of this Unguiculate kind, is,

very perimient like Dogi, they are all'd Cymerchail.

A fourth Species of the Togotistale kind, is, when
A fourth Species of the Togotistale kind, is, when
the species of the Togotistale kind, is, when
the species of the species of the species of
the species of the species of the species
and the species of the species of the species
that the species of the species of the species
there are two first a pre-tact) in each Java, of which
there are two first a pre-tact) in the species of the species
that the species of the species of the species
togotistale the species of the species of the species
togotistale the species of the species of the species
that the species of the species of the species
that the species of the species of the species of the species
that the species of the species of the species of the species
that the species of the species of the species of the species
that the species of the species of the species of the species
that the species of the species of the species of the species
that the species of the species of the species of the species
that the species of the spec

Herbs, Grafe, &c.

Of the Car-kind of Quadrupeds are reckon'd to be the Lien, the Tyger, the Pardalis, whose Male is Pardus, and Female Panthers, the Leopard 1 the Lupus Corvarius, or Lynx 5 the Cattis Pardus, or Cut-a-mountain, the com Cat, and the Bear.

Cit, and the Bear.

Of the Dig kind are recken'd the Wolf, the Lapan Darran, the Jackall; the common Dog, of which kind they roan, the Jackall; the common Dog, of which kind they Gressin, or, according to form, Serian, or, according to form, Serian the Carrier, the Grains Hilermitan, or Frigh Greyhound; the Carrier, the Grain Hillermitan, the Figure in the Carrier Management, Scharfer Formers, Sch. the Hound; the Carrier Management of the Carrier Management of the Carrier Management of the Carrier Carrier, the Carrier Carrier, the Carrier Carrier, the Carrier Carrier, the Carrier Car for Land or Warer; the Fortagus or Tumbler; the Causis Oracs of Demographics, the House deep is Casis Meditars, or the Lap-dog; the Cavis Gettuke, or Ifandicus, the Shock; and of all thefe forst there are many Variesies of Mongrels, and Hibridous Breeds—Another fort of the Dog kind is, the Fors; the Anima Zidenbisma; the Curt. Car, as it is corruptly call'd, but by its Tech and Scout, in abusined of the Dost tills. The Month Car, an is is corruptly cilled, but by mis Teach and Soma, as plant in the Dupleth's in the Martice Carl, or Reckion paint in the Dupleth's in the Martice Carl, or Reckion paint in the Dupleth's Carloys, Refeast or Fellows, in the Feast or Millet, the Language Carloys, Refeast or Fellows, in the Feast or Millet, in the Martin, and Carloys, and the Carloys, and the Libonomous Philmin. plainly of the Dog tribe; the American Coati, or Rackoon

Grutts, and the Lebromonic gallonsi.

Of the Hart-sind of Squat-papels, are first, the Lefon, or common lives the Conscious, the Ribber or Concey the Conscious, the Conscious, the Ribber or Concey the Highing, or Possible Squares, and the African of Braight specification, and the Conscious, or Consider of Braight the Califor, Fiber, or the Brainson, or Conscious of Braight the Califor, Fiber, or the Brainson, and the American Spinger Squares, US. The International Conscious Conscio Anu Availantrian, mage and minor; the Dormoule or Sleeper, Mrs. Noricus, Criedus, Alpinus feu Marmatta; the Cavia Obaya, or Cimiculus Americanus; the Guica-Fig; the Agait, and Paca of Erseli; the Min Ser-vergieus, or Louing; the Glis Gefineri, or the Reil; the Min Indicas, Scc. OUA (931) OUA

Animalous QUADRUFEDS. To these several Kinds of

(1.) Such four-footed Viviparous Animals, as have a length Snour, with their Feer divided into many Claws, and Toes, and having Teeth 5 as the Echinus Terrofiris, or and loes, and naving teem; as the Exercise Aerrept, we common Urchin, or Hedge-Hog; the Erinaceus Indicus albu; the Yatu or Armadillo prima of Marcgrave; the Tatuete of Brafil, or the fecond Species of the Armadillo, Yatulis of Brign, or the record species of the Armadillo, according to Marregrave; the Tatu Matternus, Soc. Reg. Miss. the Watel-beaded Armadillo; the Tatus Matternus, Soc. Reg. Miss. the Watel-beaded Armadillo; the Zeifes, the Mole. Want, or Mold-warp; the Mus Araneus, Shrew, Hardy-Shrew, Shrew-Moufe

(2.) Quadrupedous and Viviparous Animals with a longish Snout, having their Feet divided into many Claws or Toes, but without Teeth; as the Tamandus-guacu of Brafil, Maregrave ; the Urflis Formicarius Cardani; the great An the Tamanduais of Brafil, or Marcgraw's leffer

Ant-Brar.

(3.) Anomalous flying Quadrupeds, with a florter Snout, and their Feet divided as above; being of the Bat-kind, or Flitter-Mice; of which there are feveral Sizes and different Forms.

(4-) There is one very anomalous Animal which has it three Claws on each Foot; and that is the Als, or Ignavus of Marcgrave, the Sloth, or Sluggard.

seares of Marray ews, the Stolk, or Bluggard.

(1) Freigherma and Sengentume Magnington, breathing with Lange, but having only one Verarticle in the Heart 1 blues, but having only one Verarticle in the Heart 2 blues, pit Ramswells Virtist, in the Bill Tree or general lang 1 to Bills, for Rabitat, the Tood 5 the Tiplind, the Istendie, Green's ease 1 of their their surface of the Cartesting Control of the Cartesting Control of the Cartesting Control of the Cartesting Control of the Langel Acid 5 at the Latertia contains measurement, the Concolide 5 the Cartesting Control of Cartesting Control of the Cartesting Control of Cartesting Control of the Cartesting Control of Cartesting Cartest

the Tapayaxin Nove Hifpenie; the Lacertus orbicularis of Hernandee, the Lacertus vulgaris, the common Eft, Swift, or News; the Lacertus viridis, the green Lizard; the Lacertus Fucetamus Aldrovand, at Rome and Naples call'd Lacerni Facetonu Absorband. at René and Neples cilléd the Vanassia, si he Lacernia Indiano, calléd Sommés and the Vanassia, si he Lacernia Indiano, calléd Sommés and American si ha Marcycrov. s. he Fareguino, America, Es-guino Agrardo, Americano, Carpopopo, Ecimbon, Sc. of Marcycrov; she Lacernia Indian; she Science, co Marcycrov; she Lacernia Indian; she Selico, no fyored kind of focund Seyren; she Sallio, he Sasiis, no fyored Liard y the Schamandra terrofiri, Salemente apartica, the Water Eti; the Lacernia China Indian; and the Chamales, the Chamelion,

QUADRUPLE, a Sum or Number multiply'd by four, or taken four times.

Quadruple is particularly used for Gold Coin worth four times as much as that whereof it is the Quadruple. The Quadruple of the Spanif Piffole is a Piece of four Piffoles, worth about three Pounds fix Shillings Sterling. See PISTOLE.

The Eucadruple of the Louis d'Or is only equal to two Louis d'Ors or French Piftoles, or one Pound thirteen Shil-

lings Sterling.

OUE Plura, a Writ that antiently lay where Inquisition had been made by an Elcheator, of such Lands or Teneand occur made by an Eightstor, or tuch Lands or Tene-ments as my Man died Seizel of, and all was Inpposed not to be found by the Office. See Escusarea. This Writ was to enquire what more Lands or Tene-ments the Perry died feized of. But it is now made wielefs by taking away the Court of Wards and Offices.

OUA Servitia, a Writ. See PER que fervitia.

QUESTA, in our anticot Writers, an ledulgence, or Remission of Penance; exposed to fale by the Popes. See INDULGENCE

QUESTUS, or Queerus, in Law, is that Effate, or those Effects which a Man bath by Acquisition or Purchase; in contradistinction to Hareditas, which is what he hath by

on contradition to Hardesiss, which is what he hash by Defront. Sec Goods, Extra Te, Efc.

So in Glawise, lib., saw habet heredistatem stantum, vel gual-lunt natura, and heredistatem Ed question.

QULESTICONARII, in our antient Law-Books, were People who went about with Indulgences from Door to Door, defiring Charity either for themselves or others. See

INDULGENCE. Matt. West onserves, 1240, that the King, Terram steam for Papales Quartinousion, depanterari, Sc. permist. QUAKERS, a Religious Scet, who made their Appea-

rance in England , during the Time of the Inter-regnum. See Sacr.

They took their Origin from George Fox, an illiterate Person, born at Desiton in Leicestersbire; and by Pro-fession 2 Shoe-maker.

The Accounts of those Times tell as, that as he wrought at his Trade, he used to meditate much on the Scriputer's which, with his folium? Course of Life, improving his navral Mckascholy, he began at length to he will fill of the configuration thereof, set up for a Preached to The new Propher proposed but few Articles of Feith; and the configuration of the configur

dwelt mostly on Moralny; preach'd mutual Charity, the Love of God, and a deep Attention to the inner Motions and Lore of God, and adeap Antentan to the large Brookers of God, and adeap Antentan to the large a fingle working, and Keligite without any Geremonics a making and Religite without any Geremonics a making and Brookers of the 
They declaim much against the interested Views of the English Ministers; blame all War, and fer aside all use of Oaths, as prohibited under the Gospel. See AFFIRMA-

According to the Genius of rifing Sechs, an eager Zeal at first led tem to some Extravagancies: They would run about the Streets naked; and were frequently in Prison

ren about the breett naken 3 and were trequently in Prinos for interrupting the Minifiers in Service-time.

One of their Company, Naylor, is faul to have had the Impiery to allow his Followers to call him Son of God, S.n of Jutice, and King of Breet's to flew Garments between the Company, Marylor and Prinos Hollowers, and Ring of Breet's to flew Garments between the Company and Haid him at his Entry into British, with Hollows.

Son of David. He had his Trial for the fame, was whip'd for Blaiphemy, and excommunicated by the reft. for Biatphemy, and excommunicated by the cell. Refide other Fevalties inflittled on 'em, they were laugh'd at, and rally'd in Writing, and exported on the Theatre: But they delytical talks both the Perfs and the Prifon, and form'd their Scel, mangre all Opposition of but; and under the Direction of Fax, Theothemy, and others, grow from a 100°s, andfeiphic 8 Multirade, more regular lawy, with Bated Laws and Folicy which they

retain with great Occonomy to this day.

retain with great Occonomy to this day.

The mostern Ruker's retain nothing of the Estravagancies charged on their Leaders; having approved themicitive as fober, quiet People, of exemplary Morals, and remarkably chartable and friendly to each other.

Their DeStructure are not enfilly collected; at least, not easily represented out of their own Terms, which appear

mewhat ambiguous.

formewhat ambiguous.

They hold Cariff to be a Light which hath lighted every Man 3 and that wheever will lobelly and ferioufly turn into himfell with a finere cleftre to know and practice his Duty, will not fail to find there a fafficient Director; a Ray from the Funcasin of Linds and the second to Funcasin of Linds (1998). Duty, was not tall to find there a subscient Directors; a say from the Foundain of Light illuminating the Understanding, and stiffling to diffinguish Good from Evil.

They add, That facts as follow the Directions and Convictions of this Light, final the Holy and Aceptable to God; and that this was the Endof Chris's coming into the

World-That fo far as they follow this Light, they shall be infallible; and that it is not Opinions, or Sp-calations, or Notions of what is true, or Subfeription of Articles or or Notions of what is true, or Subicription of Articles or Formala's of Faith, how foundly factor worled, that make a Man a true Believer or Chriftian; but a conformity of Mind and Praktice to the Will of God, according to the Manifethation and Dictates of this divine Principle of Light within 'em

Our Saviour's Injunction about Baptifm they understand, in a figurative Sense, of a Cooversion and Change of the in a figurative Scotle, or a Cooverfion and Change of the Heart; and wholly neglect the outward Sign— Water-Baptifm they bold was only Jishin's; that it was no more than a Type or Figure, fitted for the Infant-flate of the Goffeel, and therefore now ofcless, in a Difpensation, which

Golpes, and inserted new uncreasing a composition in spiritual and inward.

The farme they hold of the Supper 5 alledging, That both allude toold foreign Practices, and were affect at Typer or Sign fications of a near and accomplifting Work—They add, that the Communica of Saints confits only in a participation of the fame divince Principle, fluwing itself

in a participation of the sales can be a sales of the sal Imitation ; or other than what the inward Principle directs Imitation; or other than what the inward Finespie surces; cent to——Accordingly, they have no Perfons It apart for the Ministry; but without diffinction of Quality or Sex, every one who is of fober Life, and approved Convertation, and believes him or herfelf called or moved thereto, is permitted to fpeak and prophely in their Aflemblics.

They own the Scriptures to be given by divine Infpiration, and allow 'em the Appellation of the Form of found Words; but refuse to call 'em the Word of God, as being a Denomination properly attributed to Christ alone—They add, that what makes 'em more scrapplous in this respect, is, that People are apt to be hereby led to think that if they have the Scriptures, they have all 5 and fo look for no further Word or Light.

Word or Light.

They acknowledge the Holy Three that bear Record in Heaven, Father, Word, and Spirit 5 barreject the School-forms, Trinity, diffied, Performs, Hypotlates, &C. 20 not Scriptural, and as age to convey too griol Idea.

They have been even changle with denying the Instruction, our Saviour's Humanny, Diminity, and Saray Strington, and the Refurnedition of the Oliginary Strington, and the Refurnedition of the Oliginary Strington. iojurious to 'em; and all that can be justly faid, is, that they don't allow of 'em in the same Sense, or speak of 'em in con a sllow of tem as the teme scatte, or tjeat of tem as the fame Terms, as is commonly done among others.

They allow the locarnation, and that the Godbess' dwelt bodily in Jefus; and yet many of 'om fay, there is no Chrift but what is within 'em: Whence it should feem on Cariri but what is within tem. "Wheece it floated feem the Notice of the learnation only imply dish, at the to Light, which they call the Cariff within, dwelt is the Man Disk Cariff imply dish, at the Cariff which, as God, on being dividible, the Maciare or Manifestima of the Sprint Charlis on, it as Manifestima of the Sprint Charlis on, it as Manifestima of the John They are litted as to the Hypothesis thous, and Gonzale or are charged on the Cariff which dwelt bedfily and fally in the Man Jetse Charlis. They are litted as to the Hypothesis thous, and Gonzale or are charged on the Cariffestima of the John They are litted as the Hypothesis of the John They are litted as the Hypothesis of the Hypothesis

of the Cracifixion, the Refurrection, and Alcenson; the cheir befind most approved Writers have been very explici-tion Acknowledgment of the Reality of the History. They decline the Ufeof Modes or Ferns of Civilley 3 experting their Refrect to their Superiors no other way but

by obeying all just Laws under their Government.

The System of Quakerifm is laid down in fifteen Theses, by Rebert Barclay, in a well writ Apology address'd to King Charles II. Then History, writ in Low Dutch by William Charles II. Their Hiftory, writ in Low Duties by William Sewel, and fince transfared into English, staces 'em from the beginning to the Year 1717—A Hittory of this People was also published An. 1695, by Gerard Creefe; but the Author is by them accused as having millepresented Facts, and in

many reflects dues them injuffice.

As to Difciple and Polity's the Affairs of the Community are all managed under a Democratical Government, by Rulesefabilified by common Cenfent; and this principally at their Meetings, whereof they have many kinds; cries, Monably, Quarterly, Yearly, Second Day's Meetings of Meetings, etc. many respects done them injustice.

Meetings of Sufterings, 456.

Their Monthly and Quarterly Meetings are held in their respective Counties—To these Deputes are feet from the feveral particular Meetings—Here Enquisy is made into the State of each Meeting; who than 6 that to the Rules and Orders, and who backlide; who pay Tyhes, and Church Rates, and who he farte for non-payment of eithers, who are married by Frietls, 86c, and accordingly they pro-who are married by Frietls, 86c, and accordingly they proceed to Cenfare, or Encourage --- Here too they Exce municate, and here receive again into Communion; of all

rounicare, and here receive again into Communion; of all which things exael Regifiers are kept.

From these Meetings Appeals lie to their Tearly ones, which are always held in London, and confill of three Orders or Classe; with Representatives tent from the Quarterly Meetings; Correspondents for the several Counties, and foreigo Countries; and Ministers, or Preachers.

Hither are transmitted Accounts of what has been transacted Hiber are transmitted Accounts of what has been translated in all the Moenhy and Quarterly Meetings over the World—Here are Meafures concerted, and Directions given as to Edwired should be the Meeting should be a subject to the Meeting should be a subject to the Meeting should be a subject to the Meeting should be added, and proper infiritations given to the Depenties of the observed at their Kerum, and a yearly Epititi of Admonistics dispatch to be readin all the Monthly and Quarterly the Meeting of the Monthly and Quarterly the Meeting of 
tions diffracts to be read in all the summity.

Meetings throughout the World.

The Second Day's Meeting, is a standing Committee confilling of the principal Freachers in and about the City, who meet every Mooday, to concert particular Cafes, and Exigencies relating to the Body happening between the standard confilling the committee amounts. Hereby

Exigencial etatung to the body suppening, exerces uno yearly Nicenings particularly to examine, approve, litenie, yearly Nicening particularly to examine, approve, litenie, The Menting of Suffering: is held every Week, and confits of the Correspondens for each County; — Its bafinesis is to receive Complaints from fuch as have fairly form to the confit of the Correspondens for Marcy, and to provide the confit of the Correspondens of Hubes and Rates, and to provide the confit of the confit

or both.

QUALI for, was an antient Writ Judicial, that lay where
a religious Ferfon had Judgment to recover Land; before
Execution was made of the Judgment.
This Writ was iffued forth to the Etcheator between
Judgment and Execution, to enquire whether the religious
Perfon had Right to recover, or whether the Judgment were

ned by collusion between the Domandant and Tonant to the intent that the true Lord were not defrauded. QUALIFICATOR, in the Canon-Law, a Divine appointed to qualify, or declate the Quality of a Proposition brought quifition

The Qualificators of the Office are not Judges; they
only give their Sentiments on the Propositions prefented to -'Tis the Inquifitors that judge. See INQUIST-

QUALITY, QUALITAS, that Affection of a thing whence it is denominated Such; or that which occasions a thing to affect our Senfes, in this or that manner, and gives it this or

that Denomination. They whatever it be, whereby it can Thus, that View in Fire, whatever it be, whereby it can the property of the property of the property of the thermal property. The work of property of the introduced into the Latin by Garra. Till his time the introduced into the Latin by Garra. This is time the an Abitraflion; and in like a thereof, only consider'd the Concrete, figurity of by Quade——The like in observed of the anistic Gravit, who did not the sunble, but rules.

See ABSTRACTION The Term Quality, it is to be observed, is very ambiguous; and has been apply'd to some things, which ought rather to have been look'd upon as States of Matter, or Complexions of feveral Qualities; as Life, Health,

Beauty, &c.

There are, alfo, other Attributes, as Size, Shape, Mo. tion, and the reft, afually reckon'd among Qualities, which might more conveniently be eiteem'd the primary Modes of the Parts of Matter; fince from these simple Attributes,

all the Qualities are derived. See Mon E. The anrient School Philosophers diffinguish Quality in the

The anners School Philosophers divinguish gasting in the general, which they call Managington and Predicamental general, which they call Managington and Predicamental properties of the Managington and Properties of the Spiritual Quarterias, or Quarterias of the South are Affactions of the Mind, confedered as it is in this, or that Affactions of the Mind, confedered as it is in this, or that the case belonging to the Understanding, the other to the Will: Of the Germer kind are Knowledge, Opinion, Cer-tury, Doubling, Get. Of the Inter, are all the Marial Virtues and Vices. See Understanding, Will, Know-Ledge, long rance, Opinion, &c. See also Virtue, &c. Corpored or Physical QUALITIES, are what we chiefly confider under this Denomination, and to which the Definition above laid down is accommodated.

Philosophers are divided as to the Nature of these Qualities, or what they are in the Body-The general Lac-guage of the Peripatetic School, is, that they are things diffinct from the Bodies themselves; are superadded to em-or flow from their subfignitial Forms: On which Principle, or flow from their fubitantial forms: On which Principle, they hold Qualitist to be real, and denominate 'em Accidents; supposing 'em to be inherent in Subitances, the' not in the relation of Parts, but to be fuffain'd thereby as in a Subject, and incapable of fubiting without "om—latifical, the Thumilit define Qualities to be Accidents following or arifing from the Form; in the fame Manner as Quantity is an Accident following or arifing from the Subfiance. See

an Acidem following or arting from the Sublinece. Doe
Fount, ACCLENY, QUARTITY.

The Moderns abditutely explode the Notion of Bydelite
Bodiers and the Holes of the Moderns abditutely are the server
but the mechanical Affections of the Bodier scriet in whe the least of the Mydelites are no orbit
to the Spars, allowed Mydelites, Q.C. of the Para
the the Spars, and Mydelites of the Bodier Interfaces,
the Spars, and Mydelites of the Mydelites are no orbit
to the Spars, and the Mydelites of the Myde Light, Heat, Go. Land and Color and the diver-der'd as so many Determinations, arises a very great diver-site in Bodies: And that Bodies, according to the diversity

der'd as to many Determnations, arise a very great diver-fity in Bodies: And that Bodies, according to the diversity of their Qualities, affect our Senses differently. The Adherents to the Experimental way, on the con-trary, account for all the Qualities of Bodies from mecha-nical Causes.

Thus all the Phænomena of a Clock, the Motion of its I may a time refractionement of a Colock, the Modern of its Wheele, its Hands, U.e. whereby if firthes the Hoer, points the Minute, Day, Moon's Age, U.e. do all evidently article from the fingle Spring; which we never insurate to have any particular Powers whereby it flouid be enabled to make any particular Powers whereby it flouid be enabled to make the Difference's; no ray other Principle but that one of Elaficity——Again, when the Smith who first livening Locks and Keys, had made his first Lock, it was only a siece of Iron, contrived into a particular Shape; and wh piece of Iron, contrived into a particular Shapes, and when, interwards, he made a Key to it, that allo, confider'd in itfelf, was nothing but a piece of Iron of a determinate Figure 3 but as thefe two pieces of Iron might now be apply'd to one another, after a certain manner, and, as there was a congmity betweet the Wards of the Leck, and QUA QUA

those of the Key, they now each obtained a now Copacity I and I become in principal part of the Notion and Distinction of all the principal part of the Notion and Distinction of all the Notion and Distinction of all the Notion and Copacity of the Notion and Notion and Copacity of the Notion those of the Key, they now each obtain'd a new Capacity s before those Keys were made.

Why, then, may we not conceive, that fenfible Qualities, by virtue of a certain congruity or incongruity of Figure, Texture, or other mechanical Properties, the Portions of Matter they modify are enabled to produce va-Portion of Matter they mostly are enabled to produce va-rious Effects, on account whereof the Bodies are faid to be endowed with Qualities; yet, that they are not in the Bodies endowed with them, any real or diffield Sottlies, or differing from the Matter itiell, of fush a determinate Big-nesis, Shape, or other mechanical Modifications. Thus, the 'the modern Goldfimith and Refiness reckon

Thus, the the mosters Goldfrinks and Retirus neckon Is among the most dillinguilling Righting of Gold, the same give most dillinguilling Righting of Gold, will be supported to the support of the suppor this laft Menftruum.

There are Bodies neither Cathartic nor Sudorific, with fome of which Gold being joined, acquires a purgative fome of which Gold being joined, acquires a purgature virtue, and with others a Power to procure Sweet.

Nature berfelf Connetitues produces things, that have no relations to others: and Art, effectally if affilted by Chymitty, may cause so may new Freductions, that no Man can cell, but the most familiar Bodies may have multitudes of Sweatists he decame not, which will hardly be imagi-

ned real physical Entities.

We all know that the Sun hath a Power to harden Clay, fosten Wax, melt Butter, thaw Ice, turn Water into Va pour, make Air expand itself in Weather-Glaffes, contr. poor, make Au expand uttelt in Weather-Giatics, contri-bute to blanch lineace, render the white Skin of the Face fourthy, and mowed Graft yellow, ripen Fruit, hatch the Eggs of Silk-Worms, Caterpillers, &c. and perform many outer things, fome of which from constray to others; when the state of the different Textures of the Biody &chance to work on, and the confidence of the other Subdivision. the condition of the other Substances concern'd in the Or the constitute of the other substances concern at in the upera-tion—And, therefore, whether or so the Suo, in four Cafes, has any influence at all diffind from its Light and Heat, we fee that all the Phaemonean mentioned, are produced by the Heat of common Fire, duly apply'd and regulated.

by the Hear of common time, daily applyed and regulated Solyte of Forms and Qualities. Some of the Antients, and particularly the Peripastics, distinguish departies into profile and accell. Southles, or Manifel QUALITIES, are those string from certain Modifications of the Marter, and which become im-mediately Objects of our Scales—Such are all those above mentioned. Tho', in strictness, those only are faid to be sensible Qua-lities which affect some one Sense alone; as Colour does

the Organ

the Eye, Sound the Ear, &c. Theie are fometimes, also, call'd Tathie, or Tangible Qualities, by reason they only produce their Effect, i.e. excite their Ideas in us when contiguous, or in contact with

Occust Qualities, are certain latent Powers arising from the Specific Forms of things, whereof no rational Solution can be given on any Principles of Physics. See

Sensible Qualities are usually divided into Primary and Primary, or general QUALITIES are fuch as are found in

Primary, or general Qualities are fach as are foard in all Bodies or worksh agree out all Mater, confidered as Mater, and therefore to the Elements the melle two—Suchane Statuties, Figure, Workson, Refl., Solidiny, Importantibility, and Numbers. See Bory, Fion as, Southnyy, See Concaster, or Perrisand Qualities are fields a radio and agree to Body as Body, house of Elements, and do not agree to Body as Body, house of Elements, and do not agree to Body as Body, house of Elements, and do not agree to Body as Body, house of Elements, and do not agree to Body as Body, house of Elements, and the see that the seed of Softoefs, Flaidity, Firmnel Opacity, Transparency, Sc.

According to Ariffeele and the Peripaseties, the Primary, or Elementary Qualities are those of the four Elements themselves; viz. Heat, Cold, Mothure, and Dryness. See

ELEMENT.

ELEMBET.

The Secondary Qualities, secondary to the Same, real the red; which are Camolantica or Assembly seen and the red; which are Camolantica or Assembly seen as the red; which are Camolantica or Assembly seen as the s

Affine QUALITIES, were fuch by Virtue whereof Effects and Operations were actually produced on other Bodies dul disposed with respect thereto -Such were the Heat of Fire, the Moifture of Water, &c.

Paffine Qualityies were those whereby Bodies were disposed to receive the Action of others—Such are Inflammability in Oil, Es.

Real QUALITIES are those which remain in the Subject; and only act on things adjacent thereto-As Fire in a piece of Iron not ignited, &c.

Intentional QUALITIES are those which iffue from the Subject, and operate at a diffance——Such is the Light emitted from the Sue, &c.

But the Moderns are agreed that either all Qualities are real, or all alike intentional.—So that the unimedian is pertinent

However ignorant we may be of the Nature of Quali-ties, or the Manner of their Operation; yet we know the Operation; yet we know the Laws of their lutention and Remiffier Dr. Keil demon-Laws of their rectains and activities by the first state every Quelity which is propagated in Orbem, fuch as Light, Heat, Cold, Odoar, &c. has its Efficacy increased or abated in a duplicate Ratio of the Diltare or form

cerefied or sheet di na duplicate Ratio of the Divise we from the Coarre of Radiolita, or Exercito of the  $\mathcal{G}$ malify.

Thus, let A (Tab. G zo zo z z z x, I, I); Sec.) be a shout, according to the I point pherical surface, efg 8,, will be much lefs clofe than before, and that in tor reciprocal Proporties of the Spaces they take up; that is, if the outer Burface be double of the innor, the Rays there will be but half as thick? But lince spherical Superficies are as the Squeres of the Radis, therefore the Efficacy of the Qutify in the inner Saurice will be to that of the outer, as A e Squere, be A b Squere. Q. E. D. uarc. Q. E. D. Sir Ifaac Newton lays it down as one of the Rules of Phis-

Sir space received they and the sound to the value of the loop the sound to obtain in all Bodies wherein the Experiment could ever to obtain in all Bodies wherein the Experiment could ever be tried, are to be efteem'd univerfal Qualities of all Bo-

See PHILOSOPHIZING.

dies. Sec PHILOSOPHISTRO.

Chymical QUALITIES—One may diffinguish physical

Radities, with Mr. Beyle, into the first, feeced, and third 2.

Radities, with Mr. Beyle, into the first, feeced, and third 2.

to the two last of which may be refer'd feered. Radities

out treated of by the Witers of Physical Systems; and

the (6, for difficient falce, may, forme of them, he fryste

the Chymical Radities of Trings; because Arighties and

the Schooline. the Schoolmen, being unacquainted with them, they have been principally introduced by means of Chymical Operabeen principally introduced by means of tappington, Amalgamation, and generation, volatilisation, Precipitation, Ed. By thefe Operation, among ober Menns; corpored thanks come to appear solatile or faced, plain's or injection to appear solatile or faced, plain's or injection of the come to appear solatile or faced, plain's or injection which as well deferre to be meaningtonable, sociously of the control of t

To these chymical Qualities some others might be added, which, because of the Use that Physicians principally make which, because of the Use has Proficius principally make of them, may be called Addead Againsti, whereby four Sabibutes received into the hamms Body, are reloving, calculated to the property of the property of the colors of Medicines, as their of hazing, cooling, driving, attentions, particular, as their of hazing, cooling, driving, attentions, particular, as their of hazing, cooling, driving, attentions, particular of their official cooling, their official cooling, driving, attentions, particular of their official cooling, attentions, particular of the first of the first of the first of the many to black of use of the many to black of them may be black of them may be black of the many to black of the first of the Maniferty of seed in Fernan varies. While the Maniferty is feed in Fernan varies. Coffailed QUALITIES, See COSMICAL Quality.

QUALITY is also used for a kind of Title given to certain Persons in regard of their Territories, Signories, or other Pretentions. See Title.

other Precutions. Sec Tritzs:
Than the King of Great Britain takes the Quality of King of Frazee: The King of Palaud that of King of Southers: The King of Southers: The King of Southers: The Case of Rafife and Kings of Spirits and Frequency of Qualities:
The Case of Rafife and Kings of Spirits and Simons the Quality of Son of the San. QUAN day the engineering a Charles Frequent in Letter QUAN day for granted to, that the Palaud, or Grants of Offices, to Secret team for long as the Palaud Spirits of Son of Case that the Case of Spirits of Son of Grants of Offices, to Secret team for long as the Palaud Spirits of Son of Son of Spirits of

fing the fame.

Thus, e.gr. we find it in those given to the Barons of the Exchequer; where it intimates that they shall hold the fame as long as they shall behave themselves well; which is to be reftrain'd to the Matters of their Offices; and fignifies no more than the Law would have imply'd, had the Office been granted expressly for Life.

becongraited experitify for Life.

A Grant, therefore, with this Clause, is equivalent to a
Grant for Life. See Baron, Judge, Justice, Se.
QUANTITY, QUANTIZA, any thing capable of Ettimatton, or Menfaratice; or, which being compared with
another thingof the fame kind, may be laid to be greater,
or lefs, than; equal, or necepal to, it.
Mathematises in the Science or Destrine of Quantity. See

MATREMATICS.

MATHMATICS.

Quantity is a general Attribute, apply'd in a very different Mannex to things of very different Nature; by whece it impredible to give any oniverful Definition thereof, guantity is apply'd both to Things, and to Modes; and this, chier ingularity, and to one or; or plarally, and to forevert.——In the first Case it is call'd Magnitude, in the

SED 1. LOREWHICH N. WICHWIGHTS IS WITH, IN MALTER, and IN EXPERIENCE, S.C. BODY and EXPERIENCE — And, s. In the Powers, and Forces of Natural Bodies; as Gravity, Morion, Light, Heat, Cold, Rarity, Denfity, See. See FORCE, GRAVITY, Ed. FORCE, GRAVIEY, Ge.

Moral Quantity, which dejends on the Minners of Men,
and the fire Determination of their Wills—As th Prices
and Values of Thin. 19 Degrees of Dignity and Power
Good and Evil, hierit and Demerit, Rewards and Punish-

ments, &c. Notional Quantity, arising from the Operation of the Noticeal Quantity, arising from the Operation of the Understanding only—Such as the large-general conceptions—In a Logic, University, Predictionents, Ec.——In Gramour, the Quantity and Measure of Syllables, Accents, Tones,

Transcendental Quantity, as Duration, the Continuation any Being, Existence, Time, Se. See DURATION, of any Bein

Quantity is also popularly diftinguish'd into Diferers and sinued.

COSTINUES.

Differs: QUANTITY, is when the Parts whereof it confifts, exift dirinctly and unconnected together; which makes what we call Number. See Discretz.

The Antiens diffinguished this into two kinds, viz. Perand anternal contribution in into two shock, etc. Permanent, as Numerial Numerials and Succeffice, as Specific, of the Contributed Quantity, is when the Paris are connected together—this, again, is of two kinds; either faceoffice and improper, as Time. See Time.

and unsproper, as Time. See Tims.
Opermanent and proper, as Space. See Space.
Permanent Quantity is further diffinguiliable into length
breath, and depth. See Lins. Survaca, and Sould.
Widge give as a more precife. Notion of Mathematical
Quantity, and its two Specks of Differes and Continued—
Whenever is refort do Unity in the fame manner as one right

Line to another, is what we call Quantity, or Number in general. See NUMBER. general. See NUMBER. If, now, the thing be referr'd to a given Unit, as 5, it is call'd a determinate Number: if to Unity in the general, or at large, it is call'd a Quantity; which, on this Principle, is the fame with indeterminate Number.

is the fame with masterminate Number.

Thus, e.gr., the breadth of a Kire is accounted a Quantity 1 H, then, it be coupird how great it is? To conceive its Quantity we take fome Unit at pleafure, and feek the Relation of the breadth hereby and according to the different Unit affamed, expects the breadth of the River is a different observation.

different determinate Number.
The breadth of the River, therefore, is a Quantity confidered as referred to a vague Unit, or to Unity at large 3 but the Unit: being determined, the thing is underttood by a determinate Number.
In this fenfe, Algebra is the Arithmetic of Quantities.

Sec ALGEBRA. QUANTITY of Motion, in Mechanics, is of two kinds, wiz. of momentary Motion, and of entire Motion.

Quantity of entire Moston—The Cartefient define the entire Medion as the momentary one, by the laddam of the Malfs, or Quantity of Matter, into the Velocity 3 hat face Motion is a facetifive Being, and has no parts co-exiting together, its Quantity ought to be elimited by the Aggre-gate of the feveral face exiting facetfirely; and is therefore equal to the Faldum of the Momenta insolve Time.

tere egual to the Fathern of the Moments insorbe Time. Quantry of momentum Minton, is the Pathon of the Velocity into the Maft, or a Mealure ariting from the joint confideration of the Moneitry of Marter, and the Velocity of the Motion of the Body when the Motion of the Motion of the Motion of the Motion in all the feveral Patrs. See Morrows.

Hence, in a Body twice as great as another, moved with an equal Velocity, the *Quantity* of Metion is double; if the Velocity be double also, the *Quantity* of the Metion will be quadraple. Hence the *Quantity* of momentary Metion coincides with what we call Momentum, or Impea moving Body. See MOMENTUM.

In the Collision of Bodies, the Quantity of momentary Motion, which is found by taking the Sum of Motions tending the same way, or their difference if they tend towards contrary Parts; is not at all changed by any Actions of the Bodies on one another. See Percussion.

QUANTITY of Matter in any Body, is the Product of the Dentity into the Bulk; or a Quantity ariting from the joint Confideration of its Magnitude and Dentity. See BULK. As, if a Body be twice as deafe, and take up twice as much Space as another, it will be four times as great.

This Quantity of Matter is the best discoverable by the absolute weight of Bodies. See Mass, Wright, Sc. Quantity Infinite—The' the Idea of Magnitude in-Quantity Influire—I he the idea of Magnitude in-finitely great, or fach as exceed any affingable Quantity, does include a negation of Limits; yet are not all fach Magnitudes queal amongfit themfelves; but heficies infiguite Length, and infinite Area, there are no left than three fever-ral lores of infinite Solidity; all of which are Quantitative for generity and tooft of each Species are in given Pro-

portross.

Infinite Logth, or a Line infinitely long, is to be confider'd, either as beginning at a Foirt, and To infinitely extended one way; or call both ways from the fune Point in the American Confidence of the Confidence of

or Space of Time, alter the Cafe, either as to infinity Eterni: y ; fince neither the one or the other can be any Part

of the Whole.

As to infinite Surface or Area, any right Line infinitely extended both ways on an infinite Plane, divides that Plane into equal Parts, one one to the Right, and the other to the Left of the faid Line; but if from any Point in fuch a Plane, two right Lines be infinitely extended, to as to make Flane, two right Lines be inhancing extended, to as to make an Angle's the infinite Area, intercepted between thefe infinite right. Lines, as to the whole infinite Flane, sas the Arch of a Circle drawn on the Point of Concourfe of thate Lineras a Coore, intercepted between the faid Lines, as to the Circumference of the Circles of as the Degrees of the Angle to this 360 Degrees of a Circle-For an Example-Two infinite right Lines meeting at a

For an Example.—Two infinite right Lines meeting at a right Angle on an infinite Place, do include a quarter Part of the whole infinite Area of fach a Plane: If two paral-lel infinite Lines be fupposed drawn on such an infinite Plane, the Area intercepted between them will be likewise infinite s but at the fame time will be infinitely less than the Space but at the fatme time will be infinitely led than the Space intercepted between two infinite Lines, that are inclined, tho with never fo finall an Angle, for that in the one Cafe the given finite Diffance of the parallel Lines di-minifies the Infinity in one Degree of Dimentions; whereas in a SciCor, there is Infinity in both Dimentions; and confequently the Quantities are one infinitely greater than the other, and there is no Proportion between them. From the same Consideration arise three several Species

of infinite Space or Solidity; for a Parallelepiped, or a Cylinder infinitely long, is greater than any finite Magni-tude, how great foever; and all fach Solids supposed to be node, how great forcer § and all fash Solida furported or be formed on a pipe Bids, see in reportion to one another, the property of the property of the property of the wastern of the property of the property of the place infinitely accorded, and it as finite followers over the infinite longs and breacht, she had been property of the infinite longs and breacht, she had been property of the infinite longs and breacht, she had been property of the infinite longs and breacht, she had been property of the other, are yet infinitely left who may of those wherein all interceptual between we inclined Planes infinitely examedad, she Space inservenced by the Sartice of a Come, or the Silker of a Tyromial, likelie infinitely extended, the

all which, notwithflanding the Proportions one to another, all mines, pouvilotianing the respections ode to another, and to the w<sup>\*</sup> are, or vait Abys of infinite Space (wherein is the Lacus of all things that are, or can be; or to the Solid of infinite Length, Breadth, and Thickness taken all manner of wave) are cally affignable——For the Space, between two Planes is to the Whole, as the Angle of those Planes to the 360 Degrees of the Circle. As for Cones and Places to the 500 Degrees of the Circle. As for Cones and Pyramids, they are as the [birelrical Surface insurectpeed by them, is to the Surface of the Sphere; and therefore Cones are as the verfed Sinces of half their Angles, on the Diame-ter of the Circle: Thefe three forts of infinite Quantity are analogous to a Line, Surface, and Solid 3 and, like them, camon be completed, or have any Proportion one to

QUANTITIES, in Algebra, are indeterminate Numbers,

or things referr'd to Unity in the general.

Quantities are properly the Subject of Algebra; which is wholly convertant in the Computation of fuch Quantities.

The given Quantities are used to be noted by the first Letters of the Alphabet a, b, c, d, &c. the Quantities simple by the last c, y, x, &c. Soc Characters. Algebratical Quantities are of two kinds; Positive, and

Negateve. Negative, or Affirmative QUANTITIES are those which are greater than orbing; and which are afficied with the sign + prefax'd; or supposed to be so. See Postitivi. Negative, or Printing QUANTITIES are the less than nothing; which are afficied with the Sign - prefax'd.

Soc NEGATIVE.

Hence, 1. Since + is the Sign of Addition, and - the Hence, i. Since + is the Sign of Addition, and — the Sign of Subfractions z spottive Quantity is produced by adding any real Quantity to nothing; e.gr.  $c_1+g_2$ ; and  $c_1+g_2$  privative Quantity is produced by fubfracting any real Quantity out of nothing; e.gr.  $c_2-g_2$ ; and  $c_2-g_3$  is  $g_3$  and  $c_3-g_4$ .

0-3=-33 and 0-a=-a.
For an Illustration— Sappose when you are quite defiliate of Money, somebody gives you an hundred Pieces you have then an hundred Pieces more than nothing; which

Preces confliture a politive Quantity.

On the contrary, improfe you have no Money, yet owe an hundred Pieces; you have then an hundred Pieces lefs than nothing; for you mult pay an hondred Pieces to have just nothing. This Debt is a negative 2 rantity Thus in local Motion, Progrefs may be call'd a positive Enantity, and Regress a measine one; because the first increases, and the fecond diminishes the Space pass'd

And in Geometry, if a Line drawn towards any Part be

accurated an affirmative Quantity; another the contrary way will be a negative one. s. Privative Quantities, therefore, are the Defects of

the positive manufacts whereby they are underflood; and, confiquently are no real Quantities: For we measure the D feet by the Quantity detective; and thus it becomes in-

Since one Defect may exceed another, (e.gr. if (even be wanting), the Defect is greater than if only three be wanting) and fince privative Quantities are the Defect of real Quan-tities; on privative Quantity being taken a certain hum-ber of times, may exceed another. Wherefore privative

Det of times, may exceed another. Wherefore Prostive Quantities are homogeneous to one another. 4. But five the Defects of a positive Quantity taken any number of times can never exceed the positive Quantity, but grows fill the more deficient; privative Quantities

lea grow fill the more deficients privative Quantities are heterogeneous to positive one.

5. Since, then, privative Quantities are heterogeneous to positive one, homogeneous privative modern privative privative modern privative modern privative ones. E. grant privative here is a flavore privative here, is the frame as if the Quantities were positive. But it may be noted, that the privative is and -1, and between -1 and 1, the Ratio in

tery different

rety different.

Addition of Quantities. 1. If the Quantities denoted by the fame Letter be effected with the fame Sip, the Numbers prefix to be me are added as in common Arithmetic. 2. If they be affected with different Signs, the Additions is changed into Subfraction 3 and to the Remainder is prefixed the Sign of the greater. 3. Quantities denoted by different Letters, are added by means of the Sign 4-5 by different Letters, are added by means as in the following Example.

a-b 4a+1b-2c-5d-g 5a-1b+bc+1d-3g c 90+40-34-02

Subfraction of Quantities; fee Susstraction.
Mutification and Division of Quantities; fee Mut-TIPLICATION and DIVISION.

It a positive Quantity be multiply'd, or divided by another positive Quantity, the Result is a positive Quan-

tity.

the regard to use ...

The Occosomy and Arrangement of the Quantities, i.e.

The Occosomy and Arrangement of the Quantities, i.e.

The diffribution of long and fhort Syllables, make what
we call the Numbers. See Noneras.

The Quantities are used to be diffinguished among the

Grammarans by the Characters — four, and — long.

The Proportion betwirt the long and fhort Syllables may be generally fix'd the fame as between the Crochet and Quaver in Music; viz. as z to I. See Timz.

In most Languages there are some Syllables whose Quan-ties vary, as the Measure requires; as in the English tities vary, as the

Some Authors confound the Quantities with the Accent: But the difference is glaring; the former being the length or fhormels of a Syllable, the latter the raising or falling of

or flormerfe of a Syllable, bels lutter the railing of the Voice. See Arte Ferri, long up done Syllable, self at Voice. See Arte Ferri, long up done Syllable, self all the Voice See Arte Ferri, long up on the Syllable, self all the Varieties of Forie Feet, which are very great. However, we have a self that recording the Arte Ferri Syllable, self and the order of the Ferri Syllable, self and from the Text of Text of the Text of Text of the Text of Text

refolved The Peet form'd by the Antients of the long and short The Peet form of by the Antients of the long and fhort Syllables immediately 3 are the Sponders, confitting of two long Syllables 3 the Pyrrbic, of two fhort ones; the Trocker, of a long and fhort Syllable; and the Lambic, of a long and fhort Syllable. See Sponder, Taocher, I am-

Ec. Those of three Syllables are the Molos, confishing of three long Syllables; the Tribrach of three fhore ones; the Datiyl of one long and two fhort Syllables; and the Anapel of two fhort and one long Syllable. See Datter.

ANAPEST, TRIBRACH, &c.

ANAPER, TREACH, U.C.
The Egglish Toogue admits of no Feet above two Syllables, the both the Tatin and Greek allow of fix.
Our Heroic Verfe cantin do five long and five host
Syllables intermix'd alternately; the' not to firtilly be
that the Order may be differed withall. Drygles varies
them with admirable Beauty Stometime bit Heroic Verfe
begins with a long Syllable; follow d by two florer occu. The truth is, the Quantity of the Syllables is but little fix'd in the modern Tongues; and there is fill lefs regard had to it is the Compension of modern Verfes——The

want of Foct, or rather the shortness and uniformity of our Fact, makes a world of difference between the Numbers of the antient and modern Verfe. Our Poets are fetter'd. and their Fetters are fo fhort, but two poor Links, that it's no wonder they can make no extraordinary Motions.

The Anticpus subfifted by their Quantities alone; so well were they diffinguish'd, and such a Variety and Harmony

did they afford. Our Quastities make such poor Music, that we are forced to call in the Gethic Aids of Rhime to diffinguish our Verse from Profe. See One.

Yet have Attempts been made to fettle our Verse on the antient and natural footing of Quantities, in exclusion of Rhime, and with such success too, (witness the Immorof Nime, and with such faccels too, (witness the Immortal Totalaffe Loft) as fears to leave the practice of Rhiming inexcusable—The French have likewise attempted the tame in their Tongae, particularly Todeler, and after him Passuter, Passurer, and Rapin 3 but they have all faill'd. See Ritins.

QUANTUM mersis, an Action upon the Case, grounded out a Promise to pay a Man for doing so much as he should

deferve or merit.

QUARANTAIN, in old Law-Books wrote QUARAN-TENE, or QUARANTENA, denotes the Space of forty Days The Term is borrow'd from the French; and is fome-

Qua.

(936) QUA QUA

Quarantain of the King, is a Trace of forty Days ap-pulated by S. Louis; during which it was expressly forbid to take any Revenge of the Relation or Friends of People, had fought, wounded, or affronted each other in words.

QUARANTAIN is particularly aled for the Term of forty Days, which Veffels, coming from Places suspected of Con-ragion, are obliged to wait in certain Places appointed, to air themselves ever they come into Port.

QUARANTAIN, QUARANTENS, OF QUARENTENA, III Quantina de la companya del companya de la companya del companya de la companya del companya de la companya del companya de la companya del narantine.

Quarantene is also used for a quantity of Ground contain-ing torty Perches—Quattor Carucatas terre arabilis, continentes in Longitudine 8 Quarencenas, & 8 Quarentenas

contractes in Longitudius & Quarentenas, & S. Quarentenas in Latitudius. Cantr. Withinki Reg. Merc. apped lagulf. Q. stantena in London fonetur for respective basenation of the Contract of C

The Venetiant have an old Givil Quarantia, new Civil Quarantia, and Criminal Quarantia

The Common Squarants takes Continance of all Crimes except these against the Size; which belongs to the Concil of Ten—The new Civil Quarantia judges of Appeals made from Sentences paise by Judges out of the City—The old Civil Quarantia takes Cognizance of Appeals from Sentences of lubaltern Judges in the City. The Criminal Quarantia takes Cognizance of all Crimes

QUARE escit infra Terminum, a Writ which lies for a Leiflee in Cafe be be cati our of his Farm before his Term be expir'd; against the Leffor or Feoffee that ejects

Sec LEASE.

It differs from the Ejellione firme, in that the former lies where the Leffor. who ciects the Leffee; whereas the Ejectione firme lies against any other Stranger that ejects him. See Ejection.
The Effect is the same in both, viz. the Recovery of the

Quase Imfedit, a Writ which lies for him who has purchaseed an Advowing, against him that disturbs him in the Right thereof, by prefenting a Clerk thereto, when the Church is void. See Aprowson.

It differs from the Writ Affig ultima prefentationis,

which lies where a Man or his Anceitors formerly preferred;

Where a Man may have the Affifa, he may have this Writ 3 but the contrariwife. See Assisa. Quar Incumbravit, a Writ which lies against the Rishop, who, within fix Munths after the Vacation of Benefice, confers it on his Clerk, while two others are contending at Law for the Right of Presenting. See Pran-

SENTATION, EC. QUARE son admift, a Writ which lies against the Bishop for refusing to admit his Clerk who has recover'd in

a Plea of Advowfon.

QUARE non permittit, is a Writ that lies for one who

Quant now formattit, is a Writ that lies for one who have lightly to price for sum against the Proprietary. Quant ofference, a Writ that lies for him who having the control of the proprietary of the prop

The Word is formed by diminution from the Lattic pundatatum, or the French quarter (quart c) repethagy immediately from the Italian quadrillo, little fiquerc. QUARRA, in our uniter Witters call? QUARRA, QUARRATA, What he will be within the day Marble, Tree-Sone, State, Limer-Stone, or other Marters proper for Building. See Srown. See the leveral Kinds of Quarties, under the feveral Ar-See the leveral Kinds of Quarties, under the feveral Ar-

See the tevera in the same of the teveras interestica, Markett, St.A.F., Ce.
For Quarries of Free Stone, they first open a Hole in
mannet of a Well, twelve or fourteen Feor in Diameter 3
and the Rubbish drawn out with a Windlass in large Ofice Baskets, they heap up all around; placing their Wheel, which is to draw up the Stones, thereupon.

As the Hole advances, and their common Ladder becomes o flore, they apply a particular Ladder for the purpofe-When they have got through the Earth, and are arrived at the first Earth, or Straum; they begin to apply their Wheel and Easkers to discharge the Stones as fast as they dig through 'cm.

See WHEEL. They usually find seven of these different Strata, or Beds of Stones, of different Heights, and ferving for different Purpofes; the' the Number as well as Order wherein they

w is various. See STRATA.

As to the drawing of the Stone, i.e. the freeing it from the Bed ; they find that common Stones, at least the fofter kinds, as they lie, have two Grains ; a cleaving Grain runsinos, as trey is, nive two Grains ; a creaving Grain run-ning parallel with the Horizon, and a breaking Grain per-pendicular thereto—After susophing, then, i.e. clearing the Earth from off it, they observe by the Grain where the Stone will cleave, and there drive in a good Number of Wedges till they have thus cleft it from the rest of the Rock.

This done, they proceed to break it: In order to which, applying the Ruler to it at both ends, (ten, s.gr., or twelve loches a part, according to the Uses the Stone is intended for) they firike a Line, and by this cut a little Channel with their Stone-Ax; and in the Channel fer five or fix Wedges (supposing the Stone three or four Foor) driving 'em in very carefully, with gentle blows, and still keeping em equally forward.

Having thus broke 'em in length, (which they are able to do to half an loch of any fize) applying a Square to the straight Side, they strike a Line, and proceed as before to

break it in breadth

This Method of drawing is found vaftly preferable to that where the Stones are broken at random—One Load of the former is found to do the Bufiness of a Load and a -One Load half of the latter

But it may be observ'd, that this cleaving Grain being generally wanting in the harder Stones a to break up these in the Quarries, they have great heavy Stone-Axes wherewith they work down a deep Channel into the Stone, and into this Channel, a-top, lay two Iron Bats, driving their Iron Wedges between thefe Bars.

Iron Wedges between thete Bars.
Some, in drawing of Stone, elpecially the very hard
kind, make are of Gun-Powder, and with very good
effect!——In order to which, making a fmill Perforation
pactry deep into the Body of the Rock, fo as to have that
thickness of Rock over it judg d proper to be blown up
at once; at the further end of the Perforation they difjood a convenient quantity of Gun-Powder, filling up all the refl with Stones and Rubbish frongly earnm'd in, except a little
Space for the Train—By this means is the Rock blown
into feveral Pieces, molt of 'em not too unwieldy for a
Workman to manage. See Gun-Powden.

QUARRY, QUARREL, in Glaziery, a Pane, or Piece of Glais out in a Diamond Form. See Grass.

Glass cut in a Diamond Form. See Glass.

Quarries, or Quarrels of Glass are of two Kinds, vie.

Square, and Long; each whereof is of different Sizes, expreis'd by the Number of 'em which makes a Foot of Glais, eiz. Sths, toths, raths, raths, raths, and anths; burall the Sizes are cut to the fame Augles, the acute Angle g 77° 19' in the Square Quarries, and 67° 24' in the ones. See Glaziery. being 77°

long ones. See CLEASIERY.

The word Quarry feems form'd by Corruption from Quarry (, which fee 1) unless we'll suppose it to come immediately from the French parry, (quare. Quarary, in Falcony, is the Game or Fowl which the Hawk is in partial of, or has kill?d. See Hawk and

HAWKING

Among Hunters, the Quarry is fometimes used for part of the Viscera of the Beatl taken; given by way of Reward to the Hounds. See HUNTIN

ward to the Houses. See Hunting.
QUART, qu. Feering, in Music, Feering, Gaming, &c.
See Founty, Guard, Frequer, &c.
Quard, is particularly used for a diminutive Measure,
containing one bourth or a quarter of fome other Measure.

See MEASURE. Thus the English Quart is a fourth of a Gallon, or two

Thus the Enging signers is a fourth of a Gailon, or two Finis; the Romen Signer, or Signerseria, was the fourth part of a Congius. See Gallon, Pint, Concius, Ge. The French, from whom we borrow the Word, befides their Signer, or Per of two Pints, have various other Signers, diffinguish dby the whole whereof they are quarters; as Quare de Muid, Quare de Boiffeau. See Muid

and BUSHEL. They have also their Quart of a Yard, &c. See Quan-

QUARTAN, Medicine, an intermitting Fever, or Ague, where the Fit eturns every third day. See Frver, 55c. It is call'd Quartan, q.d. foorth, by reason the two fick days are reckord, d which, with the two intermitting ones, make four. See Tertian.

make four. See Tertian QUARTATION, among Refiners, a Method of parifying Gold, by melting three parts of Silver with one of Gold 3 and then casting the Mixtare into Aqua fortis

QUA (937) OUA Franc Quantin, is a Quarter single, or alone I as

which diffolving the Silver, leaves the Gold at bottom, in form of a black Powder. See REFINING.

form of a black Fooder. See Refering.

gestation is what we more usually call Parting, or the

Depart. See Depart 5 fee also Gold, &c.

QUARTELOIS, CANTELOIS, or Cettura, Sartonts, or

apper Garments with Coats of Arms quarter'd on 'em, wore

by the antient Knights in their Military Expeditions. See

by the antient Knights in their Military Expeditions. See Suxrour, Coart of Arms, 56.

QUARTER, the fourth part of a Whole, or Integer divided into foar equal Pertions. See Fourth.

In working of Fractions the Operator is expressed by \$5,

le working of Fractions the University is expected by 2, there America's by 4. See Fractions.

QUARTER, in Weights, is a fourth part of the Quintal, or Hundred Weight. See QUINVAL.

The Quarter is 18 Founds Assirtations. See Hundrad

Histor, Pound, Avonadoreoto, Es.

Quantum is also a dry Measure containing 8 Bushels
firiked 3 or the fourth part of a Chaldron. See Maasume,

Ec. Quarterium framenti conflat ex olio Buffellis, Fleta l. s. Sec destiel, Chaldron, Ec. Quarter, in Law, Quarterium Anni, is the fourth Part of a Year. Sec Year.

Hence the Days whereon those Quarters statedly com-are call'd Quarter-days. See Day. Hence the Days whereon their Quarters flatedly com-mecce, are call'd Quarter-days. So Dax. Quarter-days are the 15th of Merch call'd Lady-days, the 24th of June, call'd Midfammer day; the 25th of September, call'd Michaelmus day; and the 25th of De-

Spreamer, call of Interactions Any 3 and the 18th of LDE-centry, as Chrispian dee, Care their Quarter, by the Jainet of Feace of each County, alternately, in the chief Towns thereof, appointed by the Colgat Retairum. See Seasons, I warter, 25 dec. History is fram-mened to appear, who upon Oath are to enquire of all Trayster, Herette, Theres, Manderres, Caloner, Rister,

Sec INQUEST. Those who appear to be guilty are by the faid Juffices committed to Prison, to be tried at the next Affizes, when the Jadges go their Circuits. See June 2, Assist, &c.

QUARTER Wind, at Sea, is a lateral, or fide Wind; or Wind which does not blow in Stern, but a little a-fide of Sec Wind. W

Properly, the Quarter Wind is that which comes in abaft the Main-Mail Shrowds, even with the Quarter of the The parter Wind is the best of all Winds, as hearing the Quarter Wind is the best of all Winds, as hearing aste all the Sails; whereas a Wind blowing full in Stere, is kept off by the Sails of the Mirzen. See Sails 100 of the Mirzen See Sails 100 of the Ship's Hull,

QUARTER of a Soip, is that part of the Ship's Hull, which lieth from the Steerage-Room to the Transom. See QUARTER Deck, of a Ship, is that aloft the Steerage, reaching to the Round-houfe. See Deck.

QUARTER, in Aftronomy—The Moon's Period, or Lunation, is divided into four Stages, or Quarters; con-tining each from feven to eight Days. See Moon and LUNATION.

The first Quarter is from the new Moon to the Quadra-ture; the second theace to the full Moon, Sa. See Qua-DRATURE, &c.

QUARTER, in Heraldry, isa Term ufed for a Scutcheso, ce Coat of Arms. See Exerteneon. In this fence there are fixteen Quarters required to prove Nobility, in Companies or Orders where none but Nobles

Nobility, in Compliance or Orders where none but Nobiles as admitted. See Nonllivry.

The Word Masters, requir'd as a Proof of Nobility, is derived hence: that they ded attiently to put the Cuts of Arms of the Father, Mother, Grand-father, and Grand-moher on the four Corness of the Tomb of the Decested—In Fathers and Germany we frequently be Tombs the Decested—In Fathers and Germany we frequently be Tombs the Decested—Decested—In Fathers and Germany we frequently the Tombs that Decested—Decest Tomp.

QUARTER is also apply'd to the Parts, or Members of the first Division of a Coat that is quartered, or divided into four Quarters', as in the Figure adjoining. See Quarteraino. The King of Great Britain in the first

Quarter bears Gules three Lions pass: Or, &c -- In the fecond Quarter he bears Azure three Flowers de Lys, &c.

hat hereto adjoining This makes one of the honourable Parts of a Coat. See

ORDINARY. QUARTER pierced, in Heraldry, is used when there is a Hole or square Figure made in the middle of a Cross. See

PIERCED. QUARTER Bullet, a Bullet quarter'd into four or eight

QUARTER Bullet, a Bailet quarter a into four or eight Parts. See BULLET, Sincy, &c.

QUARTER is allo ufed for a Conton, or Division of a Cary so confling of feveral files, &c. feparated from fome other Suarter by a River, a great Street, or other Bonndary.

Such are the twenty Quarters of the City of Paris—
Antient Rams was divided feveral times, under its feveral Augmentations, iato Quarters, call'd Regions; as may be obtere'd in the Tapographics of Aurelius Victor, Omphrius Panvinius, Marillan, Pyrro Ligorio, Boiffard, and other

Passimula, Mariana, Vayra Lagara, Bathara, and other Antiquarea. See Resion.

In many Cities there are Commissaries of the Quarter spointed to look to the Polity theoretic——The Fracot the Caparina accounts himself: the Chief, and Colonel of the fourten Regions, or Quarters of Rome. Maleant, p. 134.

Quanter, in War, the Place allotted to certain Forces.

o live, lodge, and incamp apan, during a Siege or the

The General's Quarter is that where the General lodges and incamps in Perform—They use to make Lines of Communication, to join the several Quarters together. See

The Quarters of a Siege are the principal Incampments, ferving to thop the Avenues of a Place. See Sizos.

QUARTER Mafter, an Officer in the Army, whereof there

Quarra Maffer, an Officer In the Army whereof there are irecral land; a vie.— The Research-Maffer General, whole Enfects is to provide good Quarra in the whole Army. See Quarra-Ray and Quarra-Ray of the whole Army. See Quarra-Ray Research of the Regimen. See Kiso 18 ar.

Research-Ray of a Trop of Hone, who is no provide Quarra-Ray of a Trop of Hone, who is no provide Quarra-Ray or or for a Trop of Hone.

The Third See Company of the Comp

and in general, to take care there be no waite. He is also much the Salpi Lacoling, which is the Baff. He is also much the Salpi Lacoling, which is the Baff. Salpi Lacoling with the Salpi Lacoling w

the Wister Steffon in.—Wherein their unns authority of Carrifon, fee Canations, the Anations, the Time they comissed a thir. The Term is alfo said of Advantage, the Capitals make the Capitals with the Capital of the

QUARTERS of Refreshment, is fume well-provided fertile Spot, to which Troops that have been much fatigu'd and harafa'd, are fent to recover their Strength, or Health; even during the Season of the Campaign. See REPRESIS MENT

QUARTER of Affembly, is the Place of Rendezvos where the Troops are to meet and draw up, for a March-See PARADE

There are also Quarters assign'd for the Hucksters, and Their Equipage.

QUARTER is also the Safety, and good Treatment promited to Person, or Troops that surreader, and lay down their Arms—Thus they say the Easemy beggd Quarter.

The Phrase took its rise from an Agreement anticol

made between the Dutch and Spaniersi, that the Ranfom of an Officer, or Soldier, fhould be a quarter of his Pay—Hence, to beg Duarter was to be a first or the state of the st of an United, of Solided, Hould be a quarter of his Pay-Hence, to be <u>Quarter</u> was to office aquarter of their Pay for their Saftey; and to refule <u>Quarter</u> was not to accept of that Composition for their Ranfom, See Ranson, QUARTER Ranné, in Architecture, is a Term ufed by the Workmen for any Modding, in general, whose Contour

the weather for any Moderant, in general, whose concerns is either a perfect Quadrant, or quarter of a Circle, or approaches near that Figure. See Moudding.

The Architects usually call it Ocale; Vitravius the Echimus. See Ovoro and Ecminus.

QUARTER Staff, a long Staff or Pole, bore by Foresters, Park-keepers, &c. as a Badge of their Office; and occasonally used as a Weapon.

QUARTER

QUARTER Wireling, or QUARTER of Conversion, in the Military Arr, is a Motion whereby the Front of a Body of Men is turn'd round to where the Flank was a thus making a quarter of a Circle. See Conversion, WHEE-

making a quarter or to the Right, the Man in the right Angle If it be done to the Right, the Man in the right Angle keeps his Ground, and faces about, while the reft wheel; if to the Left, the left-hand Man keeps his Place, &c. See

QUARTERS, in a Clock, are little Bells which found the guarters of an Hour. See Clock, Hour, Edg. Quarters, in Building, those flight purgish Pieces of Timber, placed between the Punchions and Potts; ufed to

They are of two kinds, fingle and double—The fingle the starter are fawn to two lockes thick and four Inches coad; the double four Inches fustro.

QUARTERIDGE, Money poid quarterly, or by the

tering. Sec SAILING.

The Term is also used when a Ship sails with quarter Winds. See Quarter Winds.

WINGE SECQUARTER WINS.

QUARTERING, in Gunnery, is when a Piece of Ordnance is fo traveried, that it will fluor on the fame Line,
or on the fame Point of the Compais as the Ship's Quarter

QUARTERING, in Heraldry, the dividing a Coat into four or more Quarters, or Quarterings; by parting and couping. See QUARTER and QUARTERINGS. The King of Great Britain quarters with Great Britain, France, Ireland, Brunfreick, &c. See QUARTERLY. Counter QUARTERING a Cost, is when the Quarters

are quarter'd over again, or fubdivided each into four.
There are Counter-quarter'd Conts which have twenty or

twenty-five Quarters.

PRODUCTION OF THE PROPERTY OF Intermarriages, or the like. See Escurenzon, Sureld,

Colombiere reckons twelve forts of Quarterings; but other Authors give us more. — viz. Farty per Pole, dividing the Electricon from top to bottom. See PALE.— Party per Crofs, dividing it from fide to fide. See Cross. Party for Cook, dividing it hom lide to fide. See Gross.

— Party of fix Pieces, when the Efcuenceon is divided into fix Parts or Quarters.

— Party of ten 3 of twelve; and of thirty-two, when there are for many Partitions respectively.

Others give the Divideos in another manner: As—

Party of Gross Pales and Child on the Party of Cook of the Party of Cook of Pales and Child.

Online give the Divisions in another manner: AsPatry per Coni-per Fall—per Kall—per Falle Indiave—
per Bend dexter—per Bend findler—per Falle Indiave—
per Bend dexter—per Bend findler—per Chervon—Bary
Bendy of eight Faller—Bendy of fast—Chery
Fally, or Lucings—Pally Bendy, or Bendy Lucings—
Fally, or Lucings—Pally Bendy, or Bendy Lucings—
Bary Bendy Lucengy, or Bend Lucengy—Gynney
Bary Lucengy—Counterchanged—Waved of the Precerparty Nabula. Our Interface water the repletive Articles.

Bury Nebule of fix Pieces—Party per Saltier—Party per Pelle in Point. See further under the reflective Articles Chimbere observes, that sharty two is the greated Nam-ture and in Practice that the result of the result of the person of the result of the result of the result of the wherea, he fax, he faw the Efectaboon of the Earl of Leightz, Burdsdore Extracediary in Practice the Year 1625, divided into the Number of Forty and form, Bur a Multimed of Ourteen Parks as Confinence and

ne amrane, co go onto lixty-rout reversu costs.

Bur a Multitude of Quarters makes a Confuñon; and accordingly all the Writers of Armoury cry out against it as an Abute——The first Inflance of Quartering whereof we have any Account, is faid to be in the Arms of Renate King of Sicily, &c. in the Year 1435, who quarter'd the Arms of Sicily, Arragon, Jerufalem, &c. William Wickley observes, that such Quarterings are

Arms of Meiny, Arragon, Gerugaten, &c.
William Vickley obferers, that fuch Quarterings are
much properer for a Pedigree to be lock'd up in a Chefu
and occasionally produced as an Evidence for the cleaning or
aftertaining of Alliances of Families, or Titles to Lands,

Se, than to be borne us a Cognizance. Es. than to be borne as a Coquiance.
In Blazening, when the Zearrering is perform'd per Groß, the two Quarters stop are number'd the first and fecond; and those as borne the third and fourth; beginning to tell on the right fide—When the Quartering is by a Saltier, See, the Chief and Point are the first and Gerond Quartery, the right fide the third, the left the

Fourth.

QUARTERING is fometimes also used for the diffinguishing of younger Brothers from Elder. See DIFFERENCE.

QUARTERIZATION, QUARTERIE, Part of the Punishment of a Traytor, by dividing his Body into sour

Auditum & Confession cur-Parts. Walfingham in Ric. 2. Parts. Praying gam in Rica. Interium & Confession in Propilima felora traflationi, Sufpendo, Pacollationi, Eccarostioni & Quarcrinationi adjusticavit.
QUARTERLY, in Heraldry, a Person is said to bear Quarterly, when be bears Arms guarter'd. See Quarterly, when be bears Arms guarter'd.

The King of Great Britain bears Quarterly of four; in the first quarter, Gules, &c. Great Britain: In the second, Azure, &c. Ireland, &c.

the first quarter, Gules, Ge. Great Brisant: In the cond, Azure, &c. Ireland, &c.

QUARTERN, or QUARTERON, a Diminutive of
Quart i fignifying a quarter of a Pinit; as a Quart does a
quarter of a Gallon. See Quart.

QUARTILE, an Afpect of the Planets when they are three Signe, or 90 Degrees diffant from each other. See ASPECT The Quartile Afpect is mark'd thus, []. See Cira-

QUARTO, or 419, a Book, whereof four Leaves, or eight Pages, make a Sheet. See Volume, Book. Bind-

QUARTO Decimens, Quarto Decimeni, an actione Sect in the Church, who maintain'd that Easter was always

Sect in the Churen, who maintain in that Euger was always to be celebrated conformably to the Cuttom of the fewr, on the 14th day of the Moon in the Month of March, whenfoever that Day fell our. See EASTER.

And hence their Name Querro decimani, q. d. Fourteenthers. See Passover.

The Aflatics were mightily attach'd to this Opinion, pretending it was built on the Authority of St. John, who was their Apoille ; and Pope Villor could never bring 'em to Obedience in this Point, tho be was upon the point of Ex-communicating them——Some are of opinion be actually did Excommunicate them, but it is more probable he con

did Excommanata them, put it is inceptation for render in client function from the render function for Ekpfis, were a long and warm Letter, in the Name of all the Bithops of Ale, to Filler and the Church of Kana, wherein he organish it is then to Hage of those Churches with regard to the Celebration of Easter; and maintain di, that herein they only follow it a continual Tackinen that had obtain di immutably among can confinant Tackinen that had obtain di immutably among can

from the Time of the Apostle St. John, who died at Ephe-Just — But the Pope not Lettry'd with this Antwer of Polysrates, had proceeded to Excommunication, but that fome of the most Bithops, among the refi Ireness, interpoled, and diffused him from diffurbing the Peace of the Church by excommunicating a People for adhering to what they accounted a Tradition.

QUASHING, in Law, the overthrowing and annulling a thing. See Annucline. —An Array return'd by one that has no Franchife, shall be Quago'd. Coke on Little

that nas to OUASI Contract, in the Civil-Law, an Act which has OUASI Contract, in the Civil-Law, an Act which has not the first Form of a Contract, but yet has the force thereof. See Contract.

In a Contract there must be the mutual Confent of both Parties; whereas in a Quafi Contract, one Party may be sound or obligated to the other without having given his Confent to the Act whereby he is obliged.

Confent to the Act whereby he is obliged.

For an Example——I have done your Buñnefs, in your Abfence, without your Procuration; and it has fucceeded to your Advantage: I have then an Action against you for the recovery or what I have disburfed, and you an Action against me to make me give an account of my Administration of the process of the procuration of the process of the pro

gains me to make me give an account of my Admini-ration: Which amounts to a Quafi Contract. Quast Crime, or Quast Delict, in the Civil-Law, the Chon of a Person who does Damage, or Evil involun-Αði

tarily.
The Reparation of Quali Crimes, confirts in making good the Damages with Interest. Ounce made Sunday, Leve Easter-Sunday, or the next Sunday after Easter; thus call'd from the initial Words of the latroit of the Mass for the Day, Quasi made geniti In-

fantes. See Sun DAY.
In antient Deeds these Words were fignified by q.m.g.
In antient Deeds these Words were fignified by q.m.g.

QUATER-Coufins, quatre Confins, fourth Coufins, or the last Degree of Kiedred. See Cousin, Consangu-NITY, Oc.

Hence, when Persons are at variance, 'tis faid they are ot quater, or cater Confins.

OUATRE Nations, q. d. Four Nations, a College Gunded in 1661, by Cardinal Mazarins for the Education and Maintenance of faxy Children, Natives of the foor Con-neys conquer'd by the King, vis. fifteen for Prignered and Children for Mattie wavent for Planders and the form Italy, fifteen for Alfatia, twenty for Flanders, and ten for

Haly, fifteen for Jillana, twenty for Funancy, and the for Rouffilion. See College.

QUATUOR Vir. in Antiquity, frequently wrote IIII VIR. a Remark Magilitate who had three Collesques join'd with him in the fame Administration.

To the Sustant-viri was committed the Charge of Conducting and Settling the Colonies fent into the Provinces.

See Colony,

OUA

Upon unlucky Accidents, and other dangerous Affairs, it was usual to create Quasuor Care no quid detrimenti Respublica caperet, that the Re-

Care to quite astrinent Responses sopers, that the Re-public were not prejudiced.

There were also Quattor-viri appointed to inspect and take Care of Repairs, E. C. QUAVER, in Mosfic, a Measure of Time, equal to one half of the Crochet, or one eighth of the Semibrove. See

TIME. The Sugger is mark'd by the Character J. See CHA-

RACTER. The English Quaver makes what the French call their

Crecime, Crochet; because of the Hook at bottom. See Cancust

The Quaver is divided into two Semiquavers noted of, and four Demifemiquavers mark'd & QUAVERING, in Music, the Act of trilling, or fha-

ing; or the running of a Division with the Voice. See DIVISION.

QUAY, Kay, a space of Ground paved on the Shore a River, or Port; destined for the loading and unloading of Merchandize. See WHARF. GUBEN, Rging, a Wuman who holds the Crown of a Realm, fingly, and by Rght of Blood. See Crown. The Name is also given by way of Courtefy to her that is married to the King; call'd, by way of diffinction, Queen Conference

Cenfort. The Widow of a King is call'd Queen Downger. See

DOWAGER. The first is in all Construction the fame with a King, and has the fame Power and Prerogative in all respects that the King has. See Kino.

The Queen Confort is inferior, and a Perfon diffined from the King—Tao' fine be a Feme covert, yet may fine fue, and be faced in her own Name, may make Leafes, and Grants, Ec. as a Feme file. See Vire and Feme.

Suc has feveral other Percognitive—Tho' an Airon, file

may purchase Lands in Fee-simple, without either Naturalization, or Denization; the may prefent to a Benefice; nor is Plenarty a Bar against her more than against the King—She shall not be amerced if the be non-fuited in

ng—She shall not be american in the be non-tutted in y Action; may not be impleaded till first petitioned. To configure her Death, or violate her Chalitry, is High-reason. She had antiently a Revenue of Enten-gold;

which fee

At prefent the bath a very large Dower, with a Royal Court and Officers spart.
The Queen Downger has this particular, that the lofes

not het Dignity the' fin marries a private Gentieman— Thus, Queen Katherim, Widow of Henry V. being married to Owen op Throdore Elq; maintained her Action as Queen of England--Much lefs does the Queen by Inheritance, Collow her Husband's Condition, or is subject as other Queens, but is Sovereign to her own Husband, as Queen Mary was to King Philip's unless to be otherwise appointed

by Parliament.

The Word Queen is deriv'd from the Saxon Cpen, Coven, Uxor, the Wife of any one, but apply'd by way of Excel-lency to the Wife of the King only; whence the was anleacy to the Wite of the King colly; whence the was an-tently called the King's Sumer, the Wife-Sowen having no other Name for a Sumer, but the King's Wife. Affer. She was also call'd Lady, in Sawon, Hiseldia; just as She was also call'd Lady, in Sawon, Hiseldia; just as Balancia, or Madamoiphile, are fills uford for the Wife, and Daughter of the Dake of Orleans:

Daughter of the Dake of Orleass:

Clark Gold, Aurum Regins; a Royal Revenue, belouging to the Queen of England, during her Marriage to
the King, both by Law, Cuftom, and Prefeription; and
payable by divers Perfans (upon feveral Grants of the
King) by way of Oblation out of Fines; a mounting to Ten Marks or upwards, viz. one full tenth part above the en-title Fine; e.gr. ten Pounds on every hundred Pounds Fine, &c. See Fine.

EC. SOE FINE.

This becomes a real Debt to the Queen, by the Name of Annum Regime, upon the Party's bare Agreemen with the King for a Fine, and recording it; without any further Premise or Contract for this tenth part extraordinary.

QUEEN'S Bench. SOE KING'S Branch, Soc.

QUEEN'S Bench. Soe KING'S Branch, Soc.

QUE Estate, in Law, a Pica whereby a Man entituling

bimfelf had, he now has from him

Thus, e.gr. the Plaintiff alledges, that such four Per-fors were feir'd of Lands, whereunto the Advowton in question belong d in Fee 3 and who did present to it, and question belong'd in Fee; and who are present to it, and that afterwards the Chutch was vacaint, que Effate—i.c. which Effats he now has, and by virue thereof prefens, &c. Que of means, in Law, a Term uded in Actions of Tre-pals, &c. for a direct Justification of the very Act com-plaind of by the Plaintiff as a Wrong. So of TREFASS. Thus in an Action upon the Cafe, the Plaintiff saying

(939)

Give it the Lord threaten'd his Tenants at Will' in fach fore, as he wise it the Lord threaten'd his Tenants at Will' in fach fore, as he would not dethe Lord threacen on is tenants at Will'm leen ore, as no forced them to give up their Landas, the Lord in his Defence pleads, that he laid to them, if they would not depart, be would for them at Law—Row of mean, i.e. this being the fame Threaming that he ofed, the Detence is

QUERELA, Sucrel, in Law-In an Action where the Plaintiff is Sucress, i.e. Complainant, his Eric, Com-plaint, or Declaration, was call'd Surrela. See Quan-

QUERELA coram Rego & Concilio, a Writ whereby one is call'd to juffify a Complaint of a Trefpas against the King himfelf; before the King and his Council.

QUERFO. See CUERFO.

QUERRID. SCC URRYO.
QUERRIES, or EQUERRIES, the Grooms of the
King's Stables. See Equerry.
Gentleman of the Surry, is an Officer appointed to hold
the King's Surrup when he mounts on horfeback. See

GINTLEMAN.
QUEST, or INQUEST, an Inquifition; or Inquiry made
upon Oath of an Impannel'd Jury. See Inquestr.
Quest-May, Perfors chofe yearly in eath Ward, to enquire into Abades, and Middemeanors, effecially fach as

relate to Weights and Menfures QUEST, in Hunting, the feeking out of Hounds; or the nting and winding of Spaniels. See Scent, Hound, HUNTING, &c.

The Word is form'd of the French quête, Search, of the

Latin questium, a thing fought.

QUESTION, QUESTIO, in Logic, So. a Proposition, whose Truth a Person being inquisitive about, proposes it, by way of Interrogation, to another. See INTERROGA-

Logical Questions are variously distributed; the ordinary Division is into first or primary Questions; as, Quid of, What is such a Thing :—And secondary, which arise out

of the former; as, How is \*?

Question, in Law—The Question de Jure must always be distinguished from the Question de Fasto. See

ways be diffinguished from the Propinson so Patto. See Facro and Junn.

The first is decided by the Law, as explained and declared by the Judges, the sicoid is decired by the Proof of a Truth in diffuse. See Triath, Juny, &c.

QUESTOR, Questor, an Officer in antient Rome, who had the Care of the publick Treasure. See Triate,

SULE. The Supter-Sip is very antient, as having been efta-blifthd under the Kings-In the Time of the Republick the S. sate appointed Superfers in each Province, to sflit the Proconclis, as Licutemants or Treafurers, in the Admini-fration of the Revenues; But under the Emperors, there was but one Queffer, or Treafarer General of the Empire.

Those interior, or subordinate Confers were call'd

— those interior, or fubordinate Anglors were call'd Committioners of the Quefor, Adjuters Equations. The Quefor's Office was originally confined to the Army. —They paid the Soldiery, took charge of Moneys coming by Spoil and Plunder, Go.

At length there were new ones erested to refide in the City, and to receive the public Money, Taxes, Tribute, &c. Their Number was increased, as the Empire increased: Sylls augmented it to twenty. There was also another kind of Questors whose Office was to enquire into, and take Cognizance of Capital Crimes.

The Word is form'd a querendo, feeking, fearching.

The word storm a squareman, techning. Queston Score Palest, or of the Sacred Palesce, was one of the first Dignities under the Emperors of Confantismple——"I was the Questor that (Moteribed the Reletings of the Emperor, and the Answers to the Requests and Supplies a of the Emperor, and the Anforest to the Requels and Sip-plication prefered him—He daw up and flegol die law and Confibutions which the Emperor thought fit to publish; and could core of the Administration of Julius-2000. The Confidence of the Confidence of Julius-Canacellor—"Para was fully core of the Jurii Couplist that was charged with this Office; it being required that the Rhould know the Laws of the Empire, be able to differ them, for them exceeding all pieces of Carfae Prospice by way of Appeal before the Empires. Configuration was the first who excelled Questions of the Si-

Configuration was the first who erected gappiors of the cared Falcae. See Palacaes.

OKESTUS off mobils, a Wirt of Nationee, which by Stat.

2 Edm. I, lies against firm to whom the House, or other thing that breeds the Natiance is defeemded, or attended whereas before that Stratee, he Action lay only paint birm who first levied, or caused the Nationee to the Damage of his Neighborn. See Nesarkot.

bus Neighbear. See Nusance. QUESTUS. QUESTUS. QUESTUS. of QUESTUS. of QUESTUS. fee Questus. QUEUE de Aronde, q. d. Szealkow's Tail, in Fortification, a Term apply'd to Horn-Works, when narrower at the Gorge than the Face; i.e. when the Sides open towards the Campaign, or contract towards the Gorge. See HORN-WORE.

(940) OUA QUA The Name is occasion'd by their Refemblance in Figure

The Name a occasion of a year recembrance in right to a Swallow's Tail, which the French call games d'aronds.

Of this kind are fingle and double Tensilles; and fome Hors-Works whole Sides are not praillel, See Tamatick.

On the contrary, when the Sides are left than the Gorge, the Work is call'd Contre queue d'aronde.

QUEUE d'aronde, in Carpentry, a Method of Jointing. See Dove-Tail.

Queue, in Heraldry, the Tail of a Beaft. See TAIL. It a Lion have a forked Tail, he is blazen'd by double-

QUIA, in Legic; fee REASON.
QUIA Improvide, a Superfedeas granted in many Cafes
where a Writ is erroneously faed out, or mif-awarded. See WRIT. Thus it is granted in behalf of a Clerk of the Chancery

fued against the Privilege of the Court, in the Comme Pleas, and purfued to the Exigent. QUICK-Lime; fee Lime.

QUICE Silver, a very ponderous fluid Mineral, properly call'd Moreury.

For the Method of gaining Quickfilter, of preparing it, &c. with its Properties, Ufes, &c. fee Mexcuny. QUID, What, in the Schools, is used for the Definition of a thing. See Definition of a thing.

ola thing. See DEFINITION.

It is thus call'd by reason the Definition answers to the Question. Quides, What is it? See Question. Hence we have two kinds of Quide; Nominal, Quid no-

Hence we have two RIBMS of Memory Ammins; and Read, Duild ret.

Queto pro quo, in Law, a Latin Phesfe, importing as much as the Greek assemblyon, among the Civilians; orn. a mortal Performance of both Parties to a Contractly or a giving of one thing for another—As ten Pounds for a Horfe.

Ritchin.

Kitchin. Fr. 2010. "O Lay 1970 gene, in alla facel in Physic to create." Militid of an Appadesce, in administration of Conference on Medicine for nonther; so in using an logerdient in a Compensation different form that prescribed. Soe Suce 2010. A compensation of the Conference of

stakes committed in Medicine, either in the Prescription, the Preparation, or Application of Remedica. A Northern Physician in a printed Thesis on quid pro que's owns ingenuously, that they are very frequent
He diflinguishes very accurately a great Variety of Kinds of
quid pro que's, some with regard to the Operation, others

ith regard to the Subject, and others with regard to their Form, or their Effects.

The first comprehends the quid pro quo's of the Physician, the second there of the Patient, the third those of the Apothecary.

He adds quid pro quo's of the Chirurgeon, and of the Cook 3 quid pro quo's of the Nurfe, &c. Nor does he omit that there are falutary quid pro quo's, dangerous quid pro quo's, indifferent, Se. God preserve us from quid pro quo.

QUIDDANY, or QUIDDENY, of the Latin Cydonium, or Cydoniasum, a Conferve of Quinces. See MARME-

QUIDDITY, QUIDDITAS, in the Schools, a Word of the same Signification with Effence. See Essence. The Name is derived hence, that it is by the Effence of The Names selevice bence, that it is by the Effence of a thing that it is state gand, fact by thing a and not another—When upon feeing, or hearing the Name of a thing whole Nature, Etc. we are unacqualited withal, we ask \$\frac{1}{2}\text{state}\$ of the whole is Nature and Effence regarding, but have us for the work in Nature and Effence explaind by a Definition—Whence \$\frac{1}{2}\text{state}\$ is failed by a General to the complete of the property of the not beginning. See defined the Efficience known or expected in a Definition.

DEFINITION. And hence what is effential to a thing is faid to be Quid-

And hence want is effectful to a thing is faid to be Quiddative—As Quidadtive Knowledge, Gic.
QUIESCENT, formething at Rell; for Resr.
QUIETISM, the Sertiments of the Quietifu, a Religious Self which made a great noife towards the Clofe of

me tan ventury.

Molinor, a Spanish Pricit, who died at Rome in the Prifon
of the Inquitition, pastes for the Author of Quietifin; and
yet the Illuminati in Spain had taught formerhing like it
before. See LLUMINIED.

The Name is taken from a fort of absolute Rest, and lnaction, which the Soul is supposed to be in, when arrived at the State of Persection, which in their Language is called ar the State of Perfection, wanca in their Language is call'd the unitive Life—To artive at this, a Man is fift to pass thro' the purgative way; that is, thro a Course of Ohe-dience, inspir'd by the Fear of Hell: Hence he is to proceed into, the illuminative way, o're he arrives at Per-fection; to go thro' cruel Combats, and violent Pains; i.a.

not only the usual Drynesses of the Soul, and the common Privations of Grace, but infernal Pains: He believes himfelf damn'd; and the Perfusion that he is fo, continues upon him very throngly feveral Years : St. Francis de Sales, opon him very throughly servest Yeass vol. Promiss de outer, lay he Questify, was fo fully convinced thereof, that he would not allow any body to contradich him thereir— But the Man is, at length, fufficiently pitif for all this ju the Embraces of God, and his own Defineation. The Sentiments of the Questificial with regard to God, are wonderfully pure, and drinterected—They love him for himfelf, on account of his own Perfections, indepen-

for himfell, on account of his own Perfections, indepen-dently of any Rewards or Prodiffments: The Soul ac-quictors in the Will of God, even at the time when he pre-cipitate it into Hell; informed their infleted of frogmen, him on this occasion, B. Angele de Feligary cry'd out, Losie, Lord, to east minto Hell; Douri delay, if then held when don'd me, but finish my Defrantism, and plunge as time the Aby B.

At length, the Soul, after long Travail, enters into Reft, into a perfect Quietude—Here 'tis wholly employ'd in contemplating its God; it acts no more, thinks no more, defires no more; but lies perfectly open, and at large, to receive the Grace of God, who by means thereof drives it

where it will, and as he will.

where it will, and as he will.

In this State, it no longer needs Prayers, or Hymns, or

Yows) Prayers where the Spirit labours, and the Month
opens, are the Lot of the Weak, and the Imperfect: The
Scal of the Saine its, as it were, laid in the Bofom, and beween the Arms of its God, where, without making- any

Motion, or exerting my Aclien, it waits, and receives the
divine Craces——It, then, becomes happy, quitting the nation, or exerting any action, it watts, and receives the divine Grazes——It, then, becomes happy; quitting the Exittence it before had, it is now chang'd, it is tradform'd, and, as it were, funk and fwallow'd up in the Divine Being, informach as not to know or perceive its being difftinguish'd from God himfelf. Fans. Max. des

QUIETISTS, the Disciples of Mic. de Molines; or the Adherents to the Opinions deliver'd in the Article Qui-

QUIETUS, q. d. freed, or acquitted 3 a Term used by the Clerk of the Fipe, and the Auditors in the Exchequer, in their Acquitances or Disharges given to Accumptants 3 which usually conclude with the Words Birnde recept Unit-

which we all you conclude with the worst scenes recognization with the cell of a Spitting of the Agricust of the Agricust of the Agricust of the Counts due to the King. See Silknipp, QUINARUIS, QUINARY, in Anniquity, a little Roman Coin, qual to half the Demartin. See Coin, The Quinarius was properly the Roman Half-Penny. The Medalifts indeed use the Term Quinarius in the ge

The Medalitis indeed use the Term Lymarus is me aperal for a Medalitis indeed use the Term Lymarus is me aperal for a Medalid of any Matter, not exceeding the Size of our Six-Pence; but F. Chamillars, in an express D. Distraction, flews this to be an Abatic——The Sixtre Coins, current under the Republic, he these, were two: the one weighing a Deathm, and call of Landing and Commissions of the Commission of

marini, as containing two axes white Come continue on the fame footing under the Emprecor. See A.

Hence the Origin of the Word Quisarius; and hence, in propriety, 'is only the Silver Medial of the Weight of helf as Druchm that the Name belongs to; the Remanst having never given it to any other Species of the fame Size there—

"The Table has war of Analogy before the the with—"Tis only by way of Analogy, therefore, that the Mederns apply it to Medals of Gold, or Copper, of the fame Size with the Silver Quinarius; those of Gold being fix'd at a Value much above, and those of Brass much be low five As's

The only Relation between these Quinarii, is, that the gold Quinary is the balf of a gold Medal as to Weight and Valee, and the brass Quinary half a brass Medal, as the filver Quinary is half a filver Medal.

ver glainery in half-after state.

Honce a Series of Quinnerie finedle feem at leaf a security in the Chinica of the Carriers, as the Series of Series of Money, which the Chinese of the Series of Money, which teach has may may laid of Freet here were of usy Moral carrent in Commerce. See Sax 122.

The series of the Carrent in Commerce of the Sex 122.

The series of the Carrent in Commerce of the Sex 122.

The series of the Sex 122.

The series of the Madrens which feem in the Sex 122.

The series of the Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

The Sex 122.

T

OUINCUNX, q. d. quinque uncie; a Chequer, or meching that has five Inches, Ounces, or Parts. The Term is chiefly used in Gardening for a Plantation

The Term is chiefly ated in Gardening for a Plantation of Trees, diffood originally in a Square, confifting of five Trees, one at each Corner, and a fifth in the Middle; which diffoofinion repeated again and again, forms a regular Grove, Wood, or Wildernefs, and when view'd by an

QUI ( 941 ) QUI Angle of the Square, or Parallelogram, prefents equal and

Angle of the Square, or Parallelogram, prefents equal and parallel Alleys. See Wildersenses.

Or the Quincums is the Figure of a Plantation of Trees, difford an leveral Rows, both length and breadthwife; in facin manner as that the first Tree of the forcod Row commences in the Centre of the Square form'd by the two first the state of the Square form'd by the two first the state of the Square form'd by the two first the state of the Square form'd by the two first the state of the Square form'd by the two first the state of the Square form'd by the two first the state of the Square form'd by the two first the state of the Square form'd by the two first the state of the Square form'd by the state of the Square form'd by the square form'd

Trees of the first Row, and the two first of the third; re-fembling the Figure of a five at Carda.—The ficell manner of planting Trees to form a Grove, is in the Quincum. See GEOVE.

"Tis of this kind of Quinctune that Giorro speaks in his Cato major; and Quintilian, lib. 8. cap. 3.

The modern Quincunesi, Daviler observes, are made

like those of the autients, except for the fifth Tree, which is now generally disused; so that being, as it were, nerted, and their Alleys view'd by the Side of the Rectangle, they

and their Alleys viewed by the Side of the Rechangle, they form a perfect Chequer.

Quincus, in Altronomy, E. a Politice, or Afrect of the Planets when dilant from each other 150 Degrees, or fire Signs. See Astroco.

fire Signs. See AFFEUT.

QUINDECAGON, in Geometry, a plain Figure which
bas fireen Sides and fireen Angles. See Froure.

If the Sides be all equal, 'tis a Regular Quindecagon.

in the course be an equat, the Acquisite Surface and the Side of a regular failure agent. Exclus flews how to Inferibe it in a Circle, Prop. 16. 6.4. And the Side of a regular failurence between the Side of the Equilator Trisingle, and the Side of the Pentagon and allo to the difference of the Perpendiculars let fail on

both Sides, taken together.

The Word is form'd fomewhat irregularly from the La-

tin, quinque, five 3 and the Greek years, Angle.

Pentsetexpos would be more regular.

QUIN DECIM VIR, XV.Fir, a Rouses Magistrate, who had fourteen Collegue join'd with him in the same Function.

Under Tarquin the Proud, there were first two Magi-strates erected to take care of the Sacrifices to be performed: these were call'd Dunmvirs. See Duumvir. there were call a Dimmony; See DUMWIR.— Their Number, at length, grew to ten, and then they were call'd December. See DECEMBER 2007. In the time of Cicero it had reach'd fifteen, when they affurn'd the Name of Quindreim wirs; and the' their Number grew to fixty afterwards, yet Gervines believes, on the Vilh of the Emerick, that ther Name never changed, but they fill continued to the Landled Guingries wirs.

be call'd Quindecim vira Twas they examin'd the Sibyls Books, and were the

Twa tiey cannied the Sibyla Rooks, and were the Interpreters thereof; yet they are still this but ye expedi. Order of the Senate, declared by a Senatur-Compilitum.—They allo predied at the Sentifice, and other extraordi.—On Medals, a Dolphin joint d with a Triptod marks the Petichhood of the Senature Senature is who, to public follows Senature, used, the Ever thereof, to carry a Dolphin joint d with a Triptod marks the follows a Senature of the Senature is who, to public the following the Senature is who, to public the Senature is who in the Senature is senature in the Senature is senature in the Senature in the Senature is senature in the Senature in the Senature is senature in the Senature in the Senature in the Senature is senature in the Senature in the Senature in the Senature is senature in the Senature in the Senature in the Senature is senature in the Senature in the Senature in the Senature is senature in the Senature i eing efteem'd facred to Apollo, as the Grow was among Birds

OUINI-SEXTA, in Ecclefiatical History, a Council held at Constantinople in the Year 692; call'd also the Council in Trails, and by the Greeks Penthette, q. d. fifth-fixth; as intimating that it was only a Supplement of the two pre-ceding Councils. Tho', in Propriety, Fleury observes, it was a Council itself. See Council.

was a souncit ittelf. See Council.

Mangall observes, that the fifth and fixth General Councils having made no Canons, the Orientals judged in accounty to fapply that defect by this 3 fo that the tea Canons fally attributed to those, were, in reality, made here. See

QUINQUAGENARIUS, among the Romans, was an Officer in the Army who had command of a Company of fifty Men.

Quinquagenarius was also an Officer of Policy, who had infrection of fifty Houses, or Families Lattly, in the antient Monxiteries, the Quinquagenarius

was a Superior who had fifty Mocks under his Guidance.

OUNQUAGESIMA-SUNDAY, Shrove Sanday; thus
call'd as being about the fiftieth Day before Eafter. See SHROVE-Sunday.

Antiently, they used Quinquagofina for Whit-Sunday, and for the fifty Days between Easter and Whit-Sunday; but to diffinguish this Quinquagefing from that before Enter, it was call'd the Paschal Quinquagesma.

QUINQUANNION, Quinquagesma, in 'antient Cattoms, a respite of five Years which infolvent Debtors

canons, a respet of the rears when intolered Debtors formerly obtained by witure of the King's Letters, to have time for the payment of their Debts. See Respite.

When the thing intended was only to prevent the Sale of their Effechs an under Value; the Term of one Year was ordinarily granted, call'd the Benefit of Annion. See

But when the Debtor would avoid the furrendring of his Effects, upon proving that he was reduced by Poverty,

five Years was granted, call'd the Benefit of Quinquamien.
QUINQUA FRIA, in Antiquity, a Name given the
Featus of Minerus, otherwise call'd Panathonea. See PANATHENEA

Some think they were term'd Quinquatria, because they Some think they were term'd Quinquatria, because they alieft dre Days 3 but others with more reason, because they fell out five days after the Ides of the Month. QUINQUENNALIA, in Antiquity, Games, or Feasils eclebrated every fifth Year, in honoror of the defield Em-

perors. Scc GAME, &c. The Quiuquennalia began to be express'd on Medals about the middle of the third Century—F. Pagi produces a Medal wherein are engraven those of the Emperor

Posthumus; which is not found in any Medals of his Predeceffors.

QUINQUENNALIS, in Antiquity, a Magistrate in the Colonies, and municipal Critics of the Rowan Commonwealth. See Colony, Ec. The Quinquennales were much the fame with the Ediles

at Rame. See EDILE. They were not thus call'd from their continuing in their Office five Years; but because they were elected every fifth Year, to preside at the Cansus, and to receive the De-claration each Citizen made of his Essets. See Cristic.

QUINQUE Portus, the five Cinque Ports. See CINQUE The five are Hashings, Romney, Hyrke, Dover, and Sand-mich—To the first thereof belong Winebeigs and Rye, which are effected Members of the Cinque Ports.

Servitium qued Barones Quinque Portuum prescriptorum vecegnoscient facere ad fummonitionem Regis per annum, si consigersi per 15 dies ad costum evrum proprium, ita quad primus dies computatur a die quo vola navium erexerunt, sispue partes ad quas sendere debent, vel ulterius quam din Rew voluerat ad custum ejus.

QUINQUE-VIB, frequently wrote V-Vir, a Roman Ma-gistrate, who had four Collegues join'd with him in the gistrate, who tame Function

There were various kinds of Officers thus denominated-

Pomponius the Lawyer mentions Quinque-viri on this, and on that fide the Tiber, eftablished for the Administration of Julice is the Night-time, in lieu of the Administration of Julice is the Night-time, in lieu of the ordinary Magi-trates, who were not judged proper to run up and down the Streets in the dark. Refinus tells us, that it was fometimes the Quinque-viri who conducted the Colonics, and divided the Lands affigu'd

them, among the feveral Families. See Colony.

Sometimes the Epalones were five in Number; in which eafe they were call'd Quinque-wiri. See Erozonas.

The Quinque-wir involetarii were Officers first ereched under the Confulate of Valorius Poplicola, to moderate the

under the Conflaitse of Februar Politicals, on moderate the excettive Ulary, or Interelt, which Ceediners or Bankers afed to excellapion the Feople. See Ular ux. QUINQUINA, Olar the Street of the Conflaint Clinical QUINQUINA, Olar the Street of the Conflaint Clinical Quinquina, or Conflaint Conflaint Clinical Clinical Clinical Judies; called alfo, by way of Reminercy, the Bark; and Center Pervisionals, the Thermison Bank, from the Country whence in in brought 3 and popularly the Tplinti Bark, be-caufe or in fair laterodel-their clinical fold and administrated conflaint Clinical Clinical Clinical Clinical Clinical Clinical Section 1997. by the Jefuits. See Contex.

The Tree which yields this Bark grows in a Province of

Peru call'd Quite, on the Mountains near t Loxa—The Natives call it Gasaperide, a Loza The Natives call it Ganaperide, and the Spa-niards Pale de Calenturas, i. e. Fever Wood. There are two kinds-the one wild, the other cultiva-

ted 3 whereof the latter is much the best.

The Quinquina was but little known in Europe till the Year 164 - I'he Je fuits of Rome fielt brought it in vogue

nest 104,0—— I he Jeturs of Kome first brought it in vogae in Spain, and Italy in 1649,3 and in 1650, the Cardinal de Longe, of that Order, brought it into France.
It was at first fold for its Weight in Gold: when reduced into Powder, it is by Foreigners call'd the Cardinals Powder, among us usually, the Jessies Powder, Pulvis Pa-

It met with a world of Opposition at first——Shifter and Plempins distinguished themselves against it. But is now atmost universally allowed one of the greatest and best Re-medies within the whole Province of Medicine.

Some call the Gentian-Root the European Quinquina, because good against intermitting Fevers. See GENTIAN-QUINSEY, or QUINZY, or QUINCY, in Medicine, the Squinamey, or Angine. See ANGINA and SQUINANCY.

QUINSIEME, or QUINZIEME, in our old Law-Books, & Tax anticatly levied at the Rate of one Fifteenth Part of the Value of all moveable Goods. See Tax and FIFTEENTH.

It is a Midake committed by feveral Authors to make It is a ministe committee by reversi abunds to make this a Tax of the fifteenth Part of all Lands; is being of the Goods only.——It was fift granted by Patliament, 18 Edoc. t. via. Compitting unione decime Regit, In. 18. per Architepifenfor, Epifopen, Minates, Priores, Comitte, Barting of the Compiler of the Compiler of the Committee, Barting of the Committee, Barting of the Committee, Barting of the Committee, Barting of the Committee of the Co rous, & owner alios de Regno, de omnibus bonis mobilibus concelle.— The City of Londov paid this Year for the Fritzenth 28601. 131. 84. and the Abbot of St. Edonmal's 6661. 1354. 44. which was by composition; and threeapon had all the temporal Goods of their District discharged of the Edonadus. the Fifteenth

The way of Collecting it was by two Affestors appointed in every County by the King, who appointed twelve more in every Hundred to make a true Valuation of every Man's perfonal Ethate upon which the fifteenth Part was levied. QUINT, a Sequence of five Cards of the fame Co-lour. See Sequence, Picquer, Ec. QUINTA Essentia; fee Quintessince.

QUINTAIN, QUINTENA, in anticat Cafforn, a Post driven into the Ground, with a Buckler fix'd to it, for the Performance of Military Exercises on Horseback, throwing

Festermance of Millsay Exercites on Horleback, throwing of Darts, Breaking of Lancer, Sc. Bovel, Mattle Paris, &c., deferibe the Quintain as a kind of Mark, form'd like a Man from the Navel upwards, holding a Shield in his left Hand, and in his right a Sword or Stick ; the whole fo fitted as to turn round on its Foot, and so as that a Cavalier running a-tilt against it with a Lance, if he hit it in the Breast, it whisk'd round, and, Lance, unless he were very dextrous, firuck him with the Sword held in the other Hand.

In other Places, a-top of a Post was credied a stender In other Piaces, a-top of a Folt was erected a ftender Beam fixed to turn round a Spindle 3 at one of whole Ends was a floap or flat Board, and at the other a Bag of Sand, or Dirt.—The Sport was, with a long Staff, or wooden Lance, to ride a-tilt at the Board, and to be either fo skil-ful or lacky to cfeap the Blow of the Sand-Bag. This some take to be the fame with the Artestan Lovatio,

frequently prohibited in our old Synods and Epifcopal Con-

fitations.

The Custom is still retain'd in Shropshire, and some other Counties, among the Nuptial Solemanue.—He that breaks the most Poles against the Quintain has the Prize, which as antiently a Peacock, now a Garland.

was nationtly a reacok, now a Gartand. Some derive the Word from an antient Game call'd Quintus; others from a Mancall'd Quintus. The Valunt and Paffigur nention'd in Cafar, are taken, by Vigenre, for a kind of Quintain, or Wooden Man fix'd appearance of the Cafar and Cafar a

as an Adverfary, or Man of Straw, to prove one's Dexterity 1g Mention is made of this Exercise in the Code de Aleato-ribus, and in the Paratitles of Cujas on the same-

Tavenal mentions Women engaging therein;

Aut quis non vidit vulnera Pali?

QUINTAIN was also a Right which the Lord had to oblige all the Millers, Watermen, and other young People unmarried, to come before his Cafile every three Years, animarried, to come before his Caffle every three Years, and break feveral Lances, or Poles, against a Post, or wooden Man for his Diversion.

QUINTAL, in Commerce, the Weight of an hundred Pounds See Hunnard Weight.

The Quintal admits of fome difference in different Places, according as the Pound confifts of more or fewer Ounces, according as the Pound confirmed heavier. See Pound and

Thus, e. gr. the Paris Quintal, or Hundred, yieldera; Peands at Montfelier; and the Montfelier Hundred only 81 Poueds at Paris.—The Quintal of Confantinople is efteen'd the heavieft of all those uted in the Leonar. It contains 45 Ocquas, the Ocquas weighing two Dutch Pounds \$\frac{1}{2}\$ fo that the Quintal is equal to 112 Pounds \(\frac{1}{2}\) of Amflerdam, 124 Pounds of Venice, and 160 of Leghern.

The Emplife Quinted usually confided its Pounds Aveir-dapois, and is divided into four Quarters. See Quarter. Quintal was also formerly used for a Weight of Lead, Iron, and other common Metals, afually equal to an hun-dred Pounds, at fixfcore to the Hundred.

QUINTESSENCE, QUINTA EASENTIA, in Chymiftry, a Preparation confifting of the Effential Oil of fome Vegetable Subflance, mix'd and incorporated with Spirit of Wine. See OIL, &c.

Sec Orac die.

Thus, on a report quantity, e.gr. of Editorial Oil of Free
Thus, on a report to the control of t

After the like manner is made a Suintessence of Can

phor, by only reducing it into a Powder, and pouring on Spirit of Wine. See Camenon.

Quanteffences thus prepared are of great Medicinal Virtue; as may appear from the pure and potent Ingredients used in the Composition, which retain, in a great degree, all the Virtues of the Plants they are procured from: And hence their Denomination. See Essence.

Borresaus thinks they might properly be call'd Vege-table Salpbursmade potable, and rais'd to their atmost de-gree of Power and Efficacy. See Sulfhum.

Dry Quintessens may be made from the Liquidones, by adding to 'em some Effential Oil of the same Vegetable assing to cen iome Landrial Oil or the rathe Vegetains from whence the liquid <u>Quinteffines</u> was proceed, with a little Sugars all mix'd together, and distill by a gentle Heartill all the Molfere is come over: The Matter re-maining is a dry <u>Quinteffines</u>. This Form is principfines. This Form is the <u>Quinteffines</u> portable 5 to that the quantity, e.gr. of a Pie's Point, final be an efficacious

QUINTESSENCE, in Alchymy, is a mysterious Term fignifying the fifth, or last and highest Essence, or Power of a natural Body.

This is supposed to be, as it were, the Soul drawn from the grois Hody and its four Elements, by a most perfect Dutiliation 5 and by means hereof, the thing is faid to be spenualized, i. e. render'd exceeding pure, spirituous, and, as st were, incorruptible. Diel. Hermerique

us a were, incorruptible. DRR Hermetique.

The Anticats, who allow'd of nothing real but what has a Body; would have the Soul of Man to be a fifth Element, a kind of Spinisteffense without a Name, unknown here below, indivinible, immovable, all colettial, and divine. Fewdom.

OUINTESSENCE of the Elements, is the Hermetical Mer-CUTY. See MERCURY.
QUINT-Exacy, in old Law-Books, the last Call of the
December feed to an Outlawry.

It he appears not to it, he is by the Judgment of the Cotoners return'd Outlaw'd; if a Feme, waved. See Extensive, Overlawers, Wair, Sc. QUINTILE, QUINTILE, in Aftronomy, an Afpect of

the Finnets, when they are 72 Degrees diffant from one another, or a fifth Part of the Zodiac. See Aspect and CHARACTER.

CHARACTER.
QUINTILIANS, QUINTILIANI, a Sect of anticat
Hercitis, the fame with the Prizzadani; thus call'd from
their bropheted Squintilla. See Privatian.
In this Sect the Women were admitted to perform the
Secretoral and Epifocapi Exercitors; grounding their
Proceedings on their principal Section of the Galatians, where
he lays, That in Coript there is no adjunction of Julies and

Females.

Females.

They attribute extraordinary Gifts to Eve, for having first exten of the Tree of Roowledge; tell mighty things of Mary the Sister of Mofes, as having been a Prophetes, Ele. Philip, the Deacon, add they, had four Daughters, who were all Prophetesses.

In their Adsemblies, it was suital to see the Virgins onter

in white Robes perforating Prophereffes The Quinti-tions bore a good deal of refemblance to the modern Qua-QUIRE of Paper, of the French Caber; the quentity

QUIRISTER, or CHORISTER, Cheriffe, a Perfon appinted to fing in the Quire or Choir of a Cathedrall. See

CODISTIN QUIRINALIA, in Antiquity, Fenfts celebrated among the Romans in honour of Romans, who was call'd Quirings.

Sec OULLITES. The Quiringlis were held on the 13th of the Kalends of

March, i. c. on our 17th of February.

OUIRITES, in Antiquity, an Appellation given to the le of Ren

It took is Rife from the Curetes, the Inhabitants of the
Sabin Town Cures; on this occasion — Roundus, and
Tattus King of the Sabins, having united their two People. Zatun King of the Sakira, having united their wer Geoffe, and their two Saterius ones; year Romulus's Best and Dedication, the Sakira, con-long the Rattaut in number, became Maltine of the Ossechies and accordingly sponious of the Sakira, or rather from Rattautin, the Missan of a God working's in that Gry. From the aw Egiritus, all the People came afterwards to be call'd Rattautin; sudick well Rope that the Gran Authority which denominated Rattautin, Rattautin, from Carre, did silo externation to the Carried, missan Grant Sakira (Carried, Missan).

diarely from the Curetes.

Aurhors derive the Word Quirinus from Caris, Some which in the Sabin Tongae fignify'd a Pike or Halberd-

QUIRK, in Building, a Piece of Ground taken out of any regular Ground-Plat, or Floor—Thus, if the Ground-Plat were Square, or Oblong; and a Piece he taken out

OUO (943) QUO of a Corner, to make a Court, or Yard, Se. the Piece

is call'd a Quirk.

QUIS, in Natural Hiftory, a kind of Marcafite of Copper, from which the Roman Virriol is drawn. See Mar-

CASITE and VITRIO

It is allo call'd Pyrites. See Praires.

QUIT CLAIM, Unieta elamantia, a Releafe or Acquiting of a Man of any Action, that he hath or may have on ome certain occasion ; or a quitting one's Claim or Title.

See CLAIM.
QUIT-KENT, q. d. Oniet-Rent, a certain finall Rent,
payable yearly, by the Tenants of moll Manors in token
of Subjection; upon the Payment whereof they are quit or
free till it becomes due again. See Manon, tell
In some antient Records it is written White-Rent; be-

unfe paid in Silver, to diffinguish it from Rent-Corn, Rent-QUITTER-BONE, among Farriers, a hard, round Swel-g, upon the Coronet of a Horfe's Foot; or between the cel and the Quarter. See Hoov.

Or it is an Imposshume breeding between the Hoof and

Swelling on the Coronet. Sometimes it is occasion'd by a Gravel under the Shoe, or by a Braife, Stab, Prick of a Nail; or from peccant Hu-mours descending to that Place; or a Blow, Strain, or

mours defending to that Place ; or a Blow, Strain, or Over-reach, Ed.;
It excludes the cluster to hat much and the Strain, or the Control of 
QUOD non permittat. See Consultudinisus & Se eitiis.

willing propose one probability. 25 a. With that lie for Squall Palena, when distinated their Sprimal Palena, Squall Palena, when distinated their Sprimal Palendinos, for the Ryymens of a Fifteenth, with the red of the Farith. See Qursagrams.

QUODLIBETICAL Registers, or Straffic Quentral Texts, a College Ferm for a Thesis, or Problem, suscerly proposed to be debated in the Schools out of Carisfiny and Secretainment, rather than for the fettling of any steal Secretainment, rather than for the fettling of any steal Secretainment, rather than for the fettling of any steal secretainment, rather than for the fettling of any steal secretainment, rather than for the fettling of any steal secretainment, rather than for the fettling of any steal secretainment, and the secretainment of the sec

The Term is form'd from the Lasin Quadilies, any thing, what you pleafe; and so well fairing'd were the Public with the Impertinences of these Questions, that the Term Quadilies has been since retained to fignify any little, ridiculous

QUO JURE, a Writ that lies for him who has Land, wherein another challengeth Common of Pasture time out

et mind.

The design hereof is to compel the Party to show by what Right or Title he challengeth it.

Quo Minus, a Writ that lies for him who has a Grant of House-bote in another Man's Wood, against the Grantor making such Watte, as that the Grantoe cannot enjoy his

Sec House-bote

Grant. See House-bote.

The Writ @ww minus allo lies for the King's Farmer in the Exchequer, against him to whom he felleth any thing by way of Bargain, touching his Farm; or against whom he hash any Caule of perional Action—For by the Vendee's detaining any Due from him, the Farmer is made Saable to pay the King's Rent.

Under this Pretence, any one who pays the King a Fee-Farm Rent, may have this Writ against any other for Debt or Damage, and bring the Caufe to trial in the Exchequer-

ce Excurover. Quo WARRANTO, a Writ that lice against him who usurps

ny Franchife, or Liberty against the King; as to have Waife, Straw, Fair, Market, Court Baron, Leet, or such ce, without good Title. It also lies sgainst him that intrudeth himself as Heit

See INTRUSION. ato Land. QUOIN, or COIN, a-board a Ship, is a Wedge fasten'd on the Deck, close to the Breech of the Carriage of a Gun,

to keep it firm up to the Ship's Side.

The Word is form'd from the Latin Coneus, Wedge. Wance.

QUOINS, in Architecture, the Corners of Walls. See

The Word is particularly used for the Stones in the Corners of Brick-Buildings—When these frand out beyond the Brick-work (their Edges being chamfor'd off') they are call'd Ruftie Quoins. See Rustic Work.

Canne Quoins are thert, three-legged Quoins, put be-

tween Casks to keep 'em steady.

QUOITS, a Kind of Exercise or Game, known among the Antients under the Name of Listus. See Discus; see alfo Exencise and GAME.

QUORUM, a Term frequently mention'd in our Sta-tes, and often used in Commissions, both of Peace, and tutes, and often used in Commissions, both of Peace, and others. See Commissions, Peaces, Sc.

It is thus call'd from the Wards in the Commission, Que-

m A. B. unum effe volumus.

For an Example——Where a Commission is directed to feven Persons, or to any three of them, whereof A. B. and C. D. to be two; there A. B. and C. D. are faid to be of the Quorum, because the rest cannot proceed without So a Justice of the Peace and Quorum, is one, withou

whom the reft of the Juitices in fome Cafes cannot proceed. cc Instics

QUOTATION, in Literature, a Citation; or a Passage rehearsed expressly in one Author from another. See Cit-TATIO

TAYION.

Restations are used to be diffinguished by invested Conoma's, thus; "Half an Age ago Questions were won-derfully common; and Ovid and Carulus came every day with the Pandecks to the affiliance of the Widow and the Conoma and Carulus and the Orphan."- La Brayere.

The Quotations from the Old Testament, found in the New, have occasion d infinite Doubt, Diffute, and Criti-News, have occasioned infinite Doubt, Diffuse, and Gris-cifins—The Apolities are frequently referring to the Old Teilament, and quoring Paffages and Prophecies thence as fulfill'd in our Saviust's yet thefe Paffages, thus quored, are frequently either not found in the Old Teilament, or

are frequently either not found in the Old Teitament, or are not urged in the New according to the literal and ob-vious Senfe they feem to bear in the Old. A late ingenious Author, in an Effay upon the Truth of the Chrittian Religion, fraudity owns, that the Evangelifus fometimes apply to the Meffish Paffages of the Old Teitaformerimes apply to the suctions Partiages of the Old Teita-ment, which, as they lie in our prefent Copies, plainly re-late to fome other Perfon, or Thing,—This secrident, e.gr., in the Partiage, Marth. ii. 15. Out of Egypt laws I call'd my 500.3 which are quoted from Hofea at, where it is plantly made found of the commence of the More and the plantly underflood of the coming of the Ifractites out of Egyps. See PROPHECY.

Propurer.
This groves a heavy Oblistele in the way of Chrillianity, which the Divines, Commensators, Critics, See have long which the Divines, Commensators, Critics, See have long Seen have recoverfe to a double Completion, and imagine, that the the Prophecies were primarily accomplished to other Events, yet they night bave a fecondary one of the Medflish. But others fet side a double Completion, example of the Completion 
all Prophecy useless.

The generality chuse therefore to have recourse to an The generality chale therefore to have recourfe to an Allegorical, or Spiritual Meaning in the Prophecies, So. and suppose em to have been thus understood among the autient feet, thus fulfilled in our Saviour, and thus apply do bythe Aposthes. See Tren.

In effect, the feet Rabbins, 'tis allow'd, took a world

of liberty in questing and interpreting Scripture; and 'tis fupposed the Apostics might follow those Rules in their pposed the Apontes ingut follow those reales to their mattiens. See Rabbin. Accordingly M. Surenbujus, Hebrew Profesior at Amster-

dam, has endeavour'd to retrieve those Rules, long fince loft, in an express Treatife on this Subject, published in

This Author observes a great deal of difference imply'd in the different Permus of general cells of mitrenec implyed in the different Permus of general cells by the Secred Verial Cells of the oother.

For the Rules of Quating and Interpreting practifed among the Rabbi s, he gives us ten a recover'd Study from the Thaimud and the antient Jewife Declars: Infrances whereof he gives us in the Writings of the Apaleles; and by those Rules he endeavours to explain and justify all the Limitions made from the Old Testament in the

The Rules are, r. Reading the Words not according to the Points placed under them, but according to others fub-flituted in their fleat; as is done by St. Peter, Afts xxxiii. by Stephen, Afts vii. 43, and by Paul, 1 Cer. xv. 54. 2

Cor. vill. 15. &c. The fectual is by changing the Letters; as is done by Paul, Rom. ix. 33. 1 Cor. xi. 9. Heb. viii. 9. and x. 5. and by Stephen, Alli vii. 43.

The third is by changing both Letters and Points, as is done by Paul, Alli xui. 41. and 2 Cor. viii. 15 - The fourth is adding forme Letters, and taking away others.

The first, transporing Words and Letters.—The fixth is dividing one Word into two.—The feventh, adding

other Words to make the Scale more clear .- The cighth, changing the Order of the Words .- The ninth, changing OUO QUO (944)

the Order of the Words, and adding other Words. Both of which are done by the Apoliles.—Laftly, changing the Order of Words, adding Words and retrenching Words

Once or words, adoing words and retreating words a which is a Method often afed by 8; Paul.

Other Authors, as Bilhoo Kidder, M. IeChere, Mr. Sykes, 82c. folive the difficulty another way — That ufual Form of Quotation among the Evangelills, "That it might be full-"filled which was Ipoken by the Prophets," according to the Author Wester, and prophers a decreased and the Author words and prophers as the as Activity and additional and the Author words as a propher as Activity and a state of the Author words as a few and a state of the Author words as a few and a state of the Author words as a few and a state of the Author words and

"files which was looken by the Prophets," according to thele fauthors, means no more than an Accummodation of the Prophets Words to the Cafe in hand.

The Word wastell, falfilled, does not necessarily determine us folks a Senfe, as if the E-maglille defigod to speak of a Prediction of future Events accomplified a but the senfer wastelling to the property when the property were the proper may barely express an Accommodation of borrow'd Words

may barely express an Accommodation of borrow & Words-lan effect, lay Bifthep Kidder, a Scripture may be faid to be fulfilled two ways; Preperly, as when that which was forcetol, comes to pass, and Interprets, by way of Accommodation, as when an Event happens to any Place or People like to what fell out lenne time before.—— And thus it is that \$1. Matthew (sy, on occasion of the Murder of the Innecests, laws 'then was lialitied with a way when the property of the property spoke by the Prophet Jeremy, In Rama was a Voice

" beard, &c. "biard, Us.
This Interpretation is confirm'd by M. La Clerc, who ob-ferces that the Jews, in their Language used to fay, that a Paffage of Stripteur was fulfill'd as often as any thing bap-pen'd which it might be apply'd to: Si that the Evangelith Mattetes, who was a Mibrere, and wrone, at 'it commonly furpofied, in that Language, intended no more in the Paffage just cited, but that a thing happen'd to which one might

apply what Jeremy had formerly faid on snother Occa-

fion.

Accordingly, fays Mr. Syker, the Evangelists in citing that Patlage of Ifstab, Behold a Virgin fiall be with Child, Ec. only ule it as words of that Propher remarkably agreeable to the miraculus Birth of Jefus, and not as a Pro-

phecy of his Barto.
It may be added, that this way of speaking was not unknown among the Heathen Writers—Thus in Allan,
Diogram Snoponfis used continually to say of himselft, that
he utilit! on an underworm all the Curfes of Targedy,
QUOTIDIAN, in Medicine, an intermitting Fever, or

Ague, the Access whereof returns every day. See FETER and AGUE.

and AGUE.

QUOTIENT, in Arithmetic, the Number refulting from the division of a greater Number by a smaller; and which shews how often the smaller is contained in the greater, or how of the Division.

See Division.

dend. See Division.

In Divifion, as the Divifor is to the Dividend 3 to is
Unity to the Quotient.— Thus the Quotient of 13 divided by 3 is 45 which is thus diffused, 3) 12 (4 guotient.

The Word is form d from the Latin, quotien, q. d. How
often is fuch a Number contain d in such another?

often is lich à Number contant un luck another (QUOYI, or Queent, or Coverx, in the Scal-Language, a Cable is faid to be Language, when it is laid round in a Ring on the Deck of a Bips. See Casex.

In the middle of fach Ring, or Language, a good Place to lay Shot in, more fafe there than in Luckers along the fide, where the Enemy's Shot may fall into it.



# R.

A liquid Conforant, and the feventeenth Letter of the Alphabet. See LETTER and ALPHABET. The Grammarians hold it a Semi-vowel; effectally in the Greek, where, in common with the other Vowels, it admits an Afpirate, ev. the whether the Afpirate should come before or after it is some doubt. We find Instan-

ers of each Thus pilk the Latine wrote Rheda; and file the Hollans wrote The Antient Goths, and Testones, Littleton observes, pro

fix'd b to r. The Hibreus allow'dit the Privilege of a Guttaral, that is, they

The therews allow die the Privilege of a Gastrarad, that is, they exert double is, which yet is done by the Ariah Foreth, and Latins, Sec. See GUTTURAL.

Perfor calls it it fairs a samins, because the Dogs from to pronounce it in finaling: Yet it should feem to have had a fofter
Sound among the Remeans, than among us, by the bring frequenthy interpost of prevent the Clashing of Youws: As in news from
Sound shoung the wish, amerate from pack, now sometime, pack pages growing from passing pages, in guarat from wish, marries from pack, now sometime, pages pages. and this Softness was fuch as frequently occasioned its being drope as ufcless in Writing.

Thus for Hetrafei they frequently wrote Thufei, and even Tuf-

; and for furfam, rurfus, prorfus; fufum rufus, profus. In effect there was that Agreement between the Sound of the s and r, that as the Romans avoided the doubling of their Confoy and y, that is our womant revence the declaring of their Como-bants, 'twas no wonder they here droj'd the r; the x supplying the place of both. Hence too it came to pais, that what they at first pronounced, Als., Africa, Cafines; was afterwards, Ars., Areas, Carwen; and those first named hybi and Valsfi were afterdress, Carwes; and toke first numed bely and Veslys were siteration and Veslys were siteration and Wesley and Chees is the people were interested and Wesley and Chees is a Report of the Chees of the Chees is the Chees of Rome 14; Felly addic, that dress people and were the Chees of the Chee

to the Verfe,

### Octogiuta dabit tibi R, fiquis novocrabit.

When a Dash was added a-top as  $\overline{k}$ , it figurated 80 thousand. The Greek, r, r, figurated an hundred. R or R in Medicinal Prescription, stands for Recipe, take. See

RECIPE. Sec also CHARACTER. RABATE in Faulcouy. A Hawk is faid to rabate, when by

EXPLOSION OF PRESS OF CONTROL OF THE PRESS O

DOCTOR: The Words Robbi, and Rabbin, have the fame figuification; the is there fome Difference in their Ufe. When we fipeld abbliothet, and without applying the Term to any proper Name, we fay Rabbin, nor Rabbi. Thus, it would be unjust to attribute to the sinter Rabbin all the Notions of the Modero ones.

On the other Hand, when we prefix the Term to the proper Name of form Jewill Doctor, we say Rubbi, nor Rubbin; as Rubbi Salance Juriti is of this Opinion.

Yet Robbs having no Plural, we say the Robbins. Johnda Chijog, and Jehoda ben Chabin, are the Authors of two antient Hebrew

The Word in its Original "The Word in its Original The Word in its Orig

The Word in its Original '171, Ignifies Mafter.
The modern Rahim are emitted to a good deal of respect among the Jews: They have the first Places in the Synagogues;
they decremine all Matters and Controversites of Religion, and
'very frequently personance upon Civil Affairs. They have even
a Power to excommunicate the Diobodient.
They work as with number of funeralities Traditions from

They team a valt number of fuperfittious Traditions, from the Writings of their Predecetions, which they observe as feru-plantly as the Law of Mofes. See Tradition. See also TALMUD.

The arrient Rabinis were infinite dealers in Allegories: Their Writings are almost wholly Allegorical, particularly their Com-ments and Interpretations of the Scripture; See CARBALA.

centh Letter of They had a great number of Rules, and Forms of Interpreting and Quoting, which fonce modern Writers suppose to have been west; especially followed by the Apoltles, in their Interpretation, and Quotation of the Prophesics of the Old Teilamens, in the New. See

The loss of these Rules Dr. Stanbope, Dr. Jenkins, &c. Isment, as what in all probability would reconcile the jarring Pasinges in the Old and New Testament. Sureabusius, Hebrew Pro-

sings in the Cid and New Tellmann. Survaision, Informit Truc-lifer at Anglorians, managine has har attentive those Rules from the antens [swith Writers.

In Robberts, because incorrected Survivers in Such amma-lar Robberts, because the proposed to the principal Sorie. To the End, he fays they said to may not granten Sorie. To the End, he fays they said to may not granten specializing the Old Tellmann; affinance of each whereoff he gi-ves in the Writings of the Angolies.

They could its changing the Politics, the Letters; both Lev-ters and Positics, adding and table; away Lexters; menipoling the Conference of the Conference of the Conference of the Conference country the College, "Soc Conversions," as fairing Worns;

Words and Lectures, Serv. See Quotation.

Rabbetting, in Carpentry, the planing or cutting of Channels, or Grooves, in Boards. See Plane.

In Ship-Carpentry it figuries the letting in of the Planks of the Ship into the Keel. RABBINIST, a Follower of the Doctrine of the Rabbies;

in contradiffinction to Caraite. See CARAITE. Pere Sisson contends for Rabbamif or Rabbamite, instead of Rab-

Pers Sissue consends for Kashbanif or Rassaustr, tutteat or Rassauff, in effect, the former are apparently preferrable to the later; the Wordt being derrord from the Helevan Rassaustr, which is the Name of the Seek; and which the Years at the Oddingsuth their Doctors from boile of the Casais Person.

Rassaustr, been, inguine a Person Doctor, who adheres to the Casais and the Cas 28 Well as the other Jews. See TRADITION.

RABINET, a finall piece of Ordnance, between a Falconet and a Baie. Its Dimentions, &v. See under Cannon. RACA, or RACHA, a Syriat Term, found in the Gofpel of St. Marthew, Ch. v. 22. and preferr'd in most Translations. F. Sissus observes that the Greek Translator of St. Matthews Gospel remin'd the Syriac Raca which he found in the Original

Coppel reamit the Syriar Maar whatch he tomed in the Original, by reafon in was very common arong the Syriar. And Se. Strong, by reafon in was very common arong the Syriar, and Se. Strong, and Strong, by Stron

rite Recha: But the latter feems the best founded; all the Lawrite Readus: But the Inter feems the both founded; all the La-rier Copies having Reas; and all the Gravé ones speze, e.g., with Hisplems, passes, which is the fame: All, we men, but Se. Irr-manss, and Read's Copy, now at Cambridge. In effect, the Origin of the Word flacus it floudd be Reas; as conting from the Syrae NPT, Reas, of the Hisbrera PT, rel, empty, faultow, RACCOURCY, in Heraldry, figuilies the finne as Copyee, that

is, out off, or shorteed; and denotes a Cross or other ordinary, when it does not extend to the Edges of the Escutebeon, as they do when absolutely named, without such Distinction. See

RACE, in Genealogy, a Lineage, or Extraction continued om Father to Son. See Line.

from Father to Son. See LINE.

The Word is formed from the Latin, radix, rest; as intimating the root of the Genealogical Tree.

In feveral Orders of Knagothood, as in that of Malta, &ce. the Candidates must prove a Nobility of four Rates or Defectors.

See Descent.

In some Republicks the Magistrates are to prove themselves

In fome Republicks the Magnitrates are to prove inconserves of Phisiana Ranks, to be qualified.

The Presedr reckon their Kings by Rasers; as the first Rese, the fectord Rank, the third Rank. We also fay the Rank of the Ottsmans, the Affairlash, the Printerys, Oct. See Dynasty, the Printerys, the Control of the Consequence of the Phisiology, Rev. See Dynasty.

Hereisens otherwas that 'this usual to put the Female Consequence of the Male Goldsinethy, Linner, or the like, to breed; but,

for his part, he should chuse to put the Male Canary-Bird to the Fernale Goldfinch, Linner, &c. because the Male usually Rass more than the Female, i. e. the young ones take more after the Male than after the Female.

RACHITIS, or RHACHITIS, in Medicine, a Difense affecting the Bones of Children, more usually called the Richts. See RICKETS

Receive.

Receiv

RACK, in the Manage, a Pace wherein a Horfe neither Trots nor Ambles, but fluifles, as it were between both, See

The Racking Pace is much the fame as the Amble; only that is a furtifer Time and a shorter Tread. See AMBLE.

RACKET, a kind of Bat, to strake the Ball withal at Tennis.

See TENNIS.

It consists of a kind of Lattice, or Net-work of Cat-gut, strain'd very tight over a Citele of Wood with a Handle or Shaft

of a moderate lengthof a moderate tength.

Paginario observes, that antiently they used no Rackets at Tennis, but play d with the Palm of the Hand; and hence, he consectures it is, that the French cell Tennis-Play, Jou de Passon.

He adds, the Rackets were not introduced till a little before this Time. The English World Racket is formed from the French.

Beautiful Manager. Raparte, which Message derives from the Latie, Refiguetta, a di-minutive of Retis, Reticas, and Retundane.

RACKET, is also a Machine, which the Savages of Cawada bind to their Feet, to walk more commodically over the Snow;

Its Figure is a Lozange, whereof the two obtain Angles are rounded off. It is bound about with very fine Thomas of Leather. rounded off. It is bound about with very fine Thougs of Leather, the Mathes whereof are much smaller and closer than those of our Rashete In the middle is fitted a kind of Shoe, lined with Wool, or

Hair; and tied on to prevent its finking in the Snow.

They oblige the Perion to take very long Steps, and as we fay

to walk a great pace, to keep them from knocking against each

Other. To Rack Whees, &cc. is to draw them from off their Lees, after having flood long enough to clear and fettle. See Wise. Hence Rack-Visitage is frequently used for the second Voyage our Wine Merchants nied to make into France for maked Wines; our Vine overchants need to make and Francis racks of washes whence they used to return about the End of Decressive. RADIAL Carrow, is a Term used by some Authors for Carres of the Spiral Kind, whose Ordinates, if they may be so called, do all terminate in the Center of the including Circle,

and appear like to many Radii of that Circle; whence the Name. See Curva. See also Spirel.

RADIALIS, or RADIALIS Extensiv, in Anatomy. See Ex-

TENSOR Carpi.

TRINGUE COPY.

RADIALIS, or RADLEUS féveur. See FLEXOR Corpl.

RADIATED, in Botany, an Epither applied to round flat
Flowers, conflicting of a Disk, and a fingle row of longish pointed Leaves, ranged all around it in manner of Rays, or Spokes. See FLOWER The Word is also used in speaking of Medals, and in Heral-

where the antient Crowns are called radiated Crowns, Coro-adiate. See Crown and Coroner. dry; where

RADIANT-Paint, or RADIATING-Paint, is any Point of a wifole Object, whence Rays proceed. See Ray.

Every Radiant-Paint diffuses innumerable Rays all ground: But only those Radiants are visible from which right Lines may

but only take Raissan are value from which right Lines may be drawn to the Pupit; because the Rays are all right Lines. All the Rays proceeding from the same Raisest continually di-verge; the Crystallin collects or reunster'em again. See Diverge-See also Crestallin.
 Every Ray carries with it the Species, or Image of the Rask-

r. See Species.
RADIATION, in Physick, the Action of a Body diffusing

RADIATION, in ruyacis, the Action of a noay dimining Rays of Light. See Ray.

Every withble Body is a radiating Body; it being purely by means of its Rays that is affects the Eye. See Visiton. Yet no Body can redate, unleft is be either luminous or illu-minated; fince the Rays it diffilish multi-either be its own, or it must receive them from another Body. Therefore no Body is Visible unless it be either luminous or illuminated. See Body. IGHT, COLOUR, O'C.

Light, Colour, ev.

The Surface of a resisting Body may be conceived as confiding of Radiant-Point. See Radiant-Point,

Plan of RADIATION is that Space in a transparent Body, or Medium, through which a visible Body Radiate. See MEDIUM.

RADIATION, or IRRADIATION, is also used by some Authors to express the manner of the Motion of the Animal Spirits; on a Supposition that they are diffused from the Brain towards all

Parts of the Body, through the little Canals of the Nerves, as Light is from a lucid Body. See SPIRTY. But in Rev of a Radatawn, many of the Moderns rather incline to the Opinion of the Carculation of the Spirits. See Circ-

CULATION RADICAL, RADICALIS, in Physicks, & formething ferving

RADICAL, RADICALIS in Phylicis, eve tomething terring so a Bifs or Foundation; or which, like a Row, is the Source, or Principle whence any thing artise. See Roor.

The Schools talk much of a Radical Missigner in all Animals, which nourilles and preferves the viral Heat or Flame, as Oyl close a Lamp; and which when exhanted, Life is extinguished.

Dr. Quincy observes that this radical atsiftere is a mere Chime-

raş; unicis we tnerevi mean toe Mais of Blood which is the grompensury whence all the other Juices and Humoura; are den-ved; and which, while it circulates, fulfaines Life, φ.e. See CALIDUM. See also FLAMMA, Β.0.00, φ.e. In Grammar we tie the Term Radical Words for Roots and In Grammar we tie the Term Radical Words for Roots and Juminitives; in opposition to Compounds or Derivatives. See Primitives; in opposition

RADICAL Sign, in Algebra, the Sign or Character of the Root a Quantity. See Root.

The Frenth Royal Academy of Sciences have made a good number of curious Observations on the Germination and Radiction of Plants See Vegetation, Seeo, Planting, Perpendicularity of 2.

RADICLE, RADICULA, lattle Root; in Botany, is a a little Point discovered by the Microscope in all Seeds, which in the growth of the Plant becomes the Root. See Root. See also Seed.

SEED. When, in fowing, the Radio's happens to light loweft; 'tis no wonder the Root fixed fixed it tieff under Ground, and the Seem of the Plant tife up perpendicularly; But when the Radio is fixed in the perpendicularly; But when the Radio is fixed in upper most by writer means it is, that it changes in Position to know the Affects of the Stern, is one of the Wonders of Vegeration. A more particular Account whereof fee nodes

of Vegention. A more perticular Account whereon tee under the Article PerpenoreLinaTy. RADIOMETER, a Name forme Writers give to the Roofest Afterwavieurs, or fuest's staff. See Jacon's Staff. RADIUS, RAV, in Geometry, the Semidiameter of a Cir-cles or a right Line drawn from the Centre to the Circumfe-

rence. See SEMI-DIAMETER, e.c. The Radias is also called, especially in Trigonometry, finas to-

tus, whole far. See Sine.

The implied in the definition of a Circle, and 'tis apparent from its Construction, that all the Rada of the same Circle are

equal. See Circle.

The Word is derived from the Greek \(\mu^i\beta^{\beta}\), red. Fleta uses the Word Radier for a Ferrow.

The RADIUS of the Evolution.

RADIUS of the Evolution RADIUS of the Evolution.

RADIUS Gravehous, or RADIUS Of this is the right Line CM. Tab. Analysis Re. 12. representation of Thread, by whole Evolution from off the Carrie BC, whereon it was wound, the Carrie Adwistor Ed. Adwis to Found See Evolution. RADIUS Affrontaious, an Instrument properly called Jacob's

Staff, or Croft Staff. See Cross Staff.
RADIUS, in Opticks. See RAY.
RADIUS, in Mechanicks, is used for the Spokes, or Fellows
of a Wheel; because filling like Rays, from the Centre thereof.

CC WHEEL

See WHERL.

RADUE, in Anatomy, is a long flender Bone of the Arm,
RADUE, in Anatomy, is a long flender Bone on the Writk;
called also, faste suisa, the lifty feeds. See Forcit.

The Radue only touches the Ulius at its Extremines; at the
upper wherrof it is both exceeded by, and also receives it; minking, by both Articulations, an imperfect. Kind of Ginglymost.

See U.S.M.

See U.I.N.A.

The upper End, rolling upon the Ulina, is cover'd with a Cut-tage; and has a-top, a simili round Simus, which receives the outer Process of the Hameras. The lower-end is thicker than the upper, and has befides the lateral Simus, two other Simus at its Extremity which receive the Bones of the Writt.

The Rassas and Ulina are both a little crocked; by which means

The Kassar and Unia are corn a mile crousers; oy while means they are keep a spart, excepting at their Extremities; and are tyed together by a firroug membranous Ligament. See ARM.

The Radars has four proper Mutcles, befices the Beage common to it and the Ulias: The proper are two Parasates, and east Saymaters. See PRONATOR and SUPINATOR. See also Becere.

RADIX. See Root. RADIX is used among some Austomists, for the Sole of the

See Foor RADER, among Grammarians. See RADECAL. RAD-Knights. See ROD-Knights.

RADE, among Grammarians. See RADICAL.

RAD-Knight. See ROD-Knight.

RAPTER, in Budding, are pieces of Timber, which thand by Pairs upon the Reasion, meet in an Angle at the Top, and help to compose the Roof of a Budding. See Roor.

Tis a Rule in Architecture, that no Rafters thought shad farter than twelve Eiches from one another.

For the Sizes or Scantlings of Rafters, its provided by Act of Parlament, that principal Rafters from 12 Foot 6 Inches, to 14 Foot 6 Inches long, be 5 Inches broad a-top, and 8 at the bot-

tom, and 6 Inches thick.

com, and 6 inches thick.
Their from 14,6 to 18,6 long, to be 9 Inches broad at the
Foot and γ stop, and γ thick.
And their from 18,6, to a 1,6, to be 10 Inches broad at the
Foot. 8 stop, and 8 Inches broad.
Seegle Refiers, 6 Foot 6 Inches long, to be 4 and 3 Inches in
their Square.
Their 8 Foot long must be 44 and 3½ Inches

RAFFLING, 2 Game with three Dice, wherein he who throws the greatest Pair, or Pair-Royal, in three Casts, wins. See Gases and Gasting.

See GAME and GAMENO.

The Raffle is properly the double or triplet. A Raffle of Aces, or Ducs, carries it against more Points.

Raffleg is also used when a Company of Persons clarb to the Purchase of a Commodity; and he that throws the highest on

the Dice takes it.

The Word prohably comes from the bale Latin, risflare, to

RAG, or RAKE, among Hunters, is a Company, or Herdof

RAGGED Hawk, in Faulconry, is an Hawk that hath its Fes-

ners broken. See HAWE.

RAGGULED, or RAGGED, in Hestage and the seed of the

Bagged differs from indented, in that the latter is regular, and this former not

The Bearing is very Antient: Julius Cafur gave for his Badge, a Boar's Head, on a razged Staff. RAGGULED is formenmes also afed in the Senfe of Transated, or Caused, and applied to a Branch that is faw'd from the Tree; or a Stock faw'd from its Root.

RAGMAN's-Roll, or rather RAGIMUND's-Roll, a Roll or Lift

KANJAIANSAM, or rather KANDRUND'S-RM, a Redi of Life denominated from its Author Regumand, a Legart in Sastland, who calling before here all the beneficed Perfons in that Kingdom unifor them, upon Outh, to give in the true Value of this Benefices; according to which they were taxed in the Coart of

This Roll, among other Records, being taken from the Scots

This Red.), among other Records, being taken from the Sort by on King Barnel. I was recliered to them in the Regioning of Educated High telesc.

Red. I was recliered to them in the Regional of Educated High telesc.

Research & Appetites when langualitied on the Control of the Telesch in the Language of the Control of the Telesch in the Language of the Red of the A high-desired Diths, required of Telesch in the Advantage of the Red of th Purefied Guts of a certain Fish, which they kept till it dissolved by meer Force of Corruption, into a Sanies: This was held fach a valuable Dainty among them, the Price count'd that of the richest Perturnes. them, that Pany observes, its

RAJA, an Indus Term, used for a Kind of Idolatrous Princes the remains of those who ruled there before the Conquest of

the Magile.

These are force Rejet who that retain a Kind of Sovereignty in the Mountains: The Indiane cell them Reight Replans plant by Reging to Three Linguistics, the Kind Reight Replans plant Three Linguistics, the Wicz-Roya, Governours of Provinces, and Chief Ministers of State, F. Carras Onlivers, at cell following at the Holdman Rejet, or Congress, are called Onlivas; at the Edotrona Rejet, or Congested of the Total Congress, the Carras Onlivers of the Parisa Onlivers (Congress) and the Congested of the Parisa Onlivers (Congress of the Parisa George Congress of t

All the difference is, that the Children of the Rojas faceed ther Fathers in the thew of the Sovereignty left them; whereas the Children of the Mahometan Lords lofe all in lefting their The Indian account four Ages from the Beginning of the World; and in the focood, which lafted 1296000 Years, they hold the Rajas or Kebatrys had their Rife; chafte, noble, ex-

Vace then began to creep into the World; Men only lived to 300 Yests, and their Stature was reduced, &c. Lett. Edit. &

RAIL, in Architecture, is applied variously; particularly, to their pieces of Timbert, etc., which lie Herizontally between the Plancis of Wainfect; to thoic that lie over and under Edulaters in Bildernies, Start-Case, etc. and to the pieces of Timber that lie harmzontally from Pott to Pott, in Fences with Pales or

RAIN, a very frequent and uleful Meteor; defeending from above in form of Drops of Water. See Martion and Drop. Raise is, apparently, a precipitated Cloud; as Clouds are nothing but Vapours raise from Moifture, Waters, &v. See

And Vayous are demonstrately probing all as but still Bull-ble or Physic actually drom at Myrian gales, by these of the folias, or informational Heat, or both. See Varyous of the First Physics being fractifically injuster than the Ammosphere, are bounding thereby, all they arrive at a Ragina where the Air are bounding the Physics of the Physics of the Physics of the Agent they are converted into Clouds, and thence either into Kam, Stowy, Hall, Mill, or the Bite. See Stowy Hall, offer, a lattle contourness; the attention Clouds into Pane, 6Cr., is a lattle contourness; the attention of the Physics of the Physics of the state of the Physics of the Physics of the Physics of the Physics of the a lattle contourness; the attention of the Physics of the Physics of the state of the Physics of the Physics of the Physics of the state of the Physics of the Physics of the Physics of the state of the Physics of the Physics of the Physics of the state of the Physics of the Physic

is a little controverted; the generality will have it the Cold, which confiantly occupying the fupertour Regions of the Air, challs and condenses the Veptule, at their Arrival from a warmer chills and constentes the Popular, at their Armys wome a wermer Quarter; congregates their together, and occasions feweral of them to contice into little Markes. By this Means their Quantity of Matter increasing in a greater Proportion than their Santher, they become an overload to the light Air, and accordingly defeend in Rain. Mr. Derhau accounts for the Precipitation, hence; that the

Mr. Deview accounts for the Precipitation, hence; that the Project being find of Am, when they mere with accider Artime that they contain, that if Am is contribed into a left Space, and conferentially the writer Shall et al. (1998). The state of the st Yet the grand Caule, according to Robarh, is fall behind: That Author conceives it to be the Heat of the Air, which af-

That wathout Conserve it we use stream of the past wathout the continuing for fome time near the Earth, is at length carried up on high by a Wind, and there thawing the fnowy Fills, or Flocks of the half-flozen Fifched, reduces them into Drops; which coalefeing, defected and have their Diffoliation perfected in their Progress through the lower and warmer Stages of the Atalphere.

Others, as Dr. Clark, &cc. afcribe this Defcent of the Clouds rather to an Alteration of the Atmosphere, than of the Vesicole; and suppose it to arise from a Dimirration of the Spring or elastic

Force of the Air. See ELASTICITY.

This Elatticity which depends chiefly or wholly on the dry terrene Exhalations, being weaken'd; the Atmosphere finite moder its Burthen; and the Clouds fall, on the common Principle of Pre-cipitation. See PRECENTATION.

epiction. See Pragentration.

Now, the lattle Périods by any, or all, of these Means, being once upon the Descent, will perisit therein, notwithstanding the Increase of Resistence they every Moment meet withal in their Progress through still densire and densire Parts of the Atmosf-

Fos, as they all tend towards the fame Point, viz. the Cen-tre of the Earth, the further they fall the more Coalitions will they make; and the more Colalitions, the more Matter will there be under the firme Surface, the Surface only increasing as the Squares, but the Solidity as the Cubes; and the more Matter under the fame Surface, the lefs Friction or Refultence there

of the lame Survice, one are principor or Returence there was be to the finar Matter. See Barronarrae.

Thus if the Cold, the Wind, &v. happen to act early enough to precipitate the Pspale, & re they are arrived at any confidenable Height; the Couldions being few in 6s thort a Delicent, the Drops will be proportionably finall; and thus is form'd what we

Done, with the preportionably finding and thus it found what we call Done. See Diverge and the dependence of the property of the Vapora prove more copious, not rise a likeli higher, with the property of the

and because as the Sun recedes from us in Autumn putions: the Cold increasing, the Vapours that had linger'd above during the Sammer Heats, are now dispatch'd down, &c. he Summer Heats, are now aupateric cowin, 6-v. Whya settled, thick, clofe Sky fearce ever Rains till it have been tilt clear? Because the equably diffused Vapours must fift be condersed, and congregated into feparate Clouds, to lay conditions of Rains, by which means the relt of the Face of

Heaven is left open, and pervious to the Rays of the Sun, ex-Sec WEATHER For other Phænomena of Rais, as they relate to the Wea-

ther-Glaff, fee Baromerra.

At to the @manthy of Ram that falls; its Proportion in feveral Places at the fame Time, and in the fame Place at feweral Times, we have Stone of Obiervations Journally, 6% in the Memoist of the French Academy, the Falls? Transfell. Ecc. in

| D | psh of RAIN falling yearls, and its Proportion in Jeveral Plases  |  |  |  |  |
|---|---|--|--|--|--|
| - | At Townshy in Lancastine, observed by Mr. Townshy,<br>Uses of the Essen, by Mr. Derkom,<br>Zarab in Suntar-lead, by Dr. Schenters,<br>Psi in Italy, by Dr. Mch. Sag. Tills,<br>Paris in France, by M. de la Hire,<br>Life in Plander, by M. de Varshou. | Inches. 42 \$ 19 \$ 32 \$ 43 \$ 19 \$ 19 \$ 24 |  |  |  |

| Proportions of the RAIN of Several Tears to out another. |      |      |          |           |    |                |  |  |
|--|------|------|----------|-----------|----|----------------|--|--|
| _  |      | At   | Consinfi | At Paris. |    |                |  |  |
|  | 1700 | 10 I | ich. 03  | Cent.     | 21 | Inch. 38 Cent. |  |  |
|  | 1701 | 18   | 69       |           | 27 | 78             |  |  |
|  | 1702 | 20   | 38       |           | 17 | 42             |  |  |
|  | 1703 | 23   | 99       |           | 18 | 51             |  |  |
|  | 1704 | 15   | 81       |           | 21 | 20             |  |  |
|  | 1705 | 16   | 93       |           | 14 | 82             |  |  |

| ı | 170  | 15  | 16   | 93   | 14   | 82  |   |  |
|---|--|---|--|--|--|---|---|--|
|   | Proportion of the RAIN of the fiveral Scafons to one another |   |  |  |  |   |   |  |
|   | 1708<br>Fav.<br>Feir.<br>Mar.<br>Apr.<br>May<br>Fave         | Depth set<br>Pylor<br>linch<br>6 41<br>3 28<br>2 65<br>1 25<br>3 33<br>4 90 | Depth at<br>Upmingl<br>Inch.<br>2 88<br>0 46<br>2 03<br>0 96<br>2 02<br>2 32 | Depth at<br>Zavist,<br>Inch.<br>1 64<br>4 65<br>1 51<br>4 69<br>1 91<br>5 91 | 1708<br>July<br>Aug.<br>Sept.<br>OG.<br>Nov.<br>Drc. | Depth at #156. Inch. 0 00 2 27 7 21 5 33 0 00 | Depth 10<br>Upwengs.<br>10ch.<br>1 11<br>2 94<br>1 46<br>0 23<br>0 8<br>11 97 | Zselch st<br>Zselch<br>Inch.<br>3 50<br>3 15<br>3 02<br>2 24<br>0 62<br>2 62 |
|   | Half-Year.   | 28 82   | 10 67  | 17 31  | Half-Year.   | 14 94   | 8 57  | 15 35  |

Pratrinsteral-RAINS, as of Blood, &c. are very frequent in our Annals; and even Natural Histories, yet; if firstly pried in-to, will be all found other things than Rain. Bloody Rains, Dr. Merret observes, are, certainly, nothing

Blindy Rens, Dr. Mereré oblierve, are, cerminiy, corbine, elle sor the Exercision of Indica.

Faces, which territoria de Rens, in a service or a shorly than in Peace, which territoria die People; but which Projeticand to be only red Drong comen form a fact of Barrety that free shoot in great Nambers, as he concluded from feeing fach, ned Drong come from them, from the Drong not being line. In Ballarya, come from them, from the Drong not being line in Ballarya, and from theth Vall only being tinged therewish that were next the Fields, not of hot in the Secret; and the first day to a line Height, not hot in the Secret; and the first day to a line Height, such as Bernellies we seld to thy to.

The time Dr. Server adas, that it most evident the Rain of

The time Dr. awares state, that the most evector the seam is given a cooling but 1-ya-liensis, familiated by the Saclings, Between the Saclings of the Saclings and Congoliths of the Saclings of the Saclings and Congoliths of the Saclings 
The French have a Tradition of a Rain of Steers, in a Plain fix or feven Leagues long between Aries and Marfeilles, call'd la Cras, which is now quite cover'd therewith.

The Fable has it, that Hermits in his Engagement with Albian

The Falle has fix hit Herwise in his Engagement with alliase and Horgenia in Found on Nayassey wincing Datu, was affiliated by Julius with a Shower of their Shones, feen to the Day. Read of the Shones of the Shones of the Shones of the Shones of the Shones, feen to the Day. Real of the Shones of the Shones, feen to the Day. Real of the Shones of 
Ships are formetimes here detain'd a long white, and can make

ber linde my.

ARAN-BOW, Juns, or fenely, he Bows, Attects in form of a pury-coloured duch or Senioricle, exhibited in a rainy Skie. orgonic to the Sainy by the ritrafiction of its keys in the Dogoguet on the Sainy by the ritrafiction of its keys in the Dogoguet con the Sainy by the ritrafiction of its keys in the Dogoguet con the Sainy by the ritrafiction of its keys in the Dogoguet con the Sainy by the ritrafiction of its keys in the Sain Saint Control of the Saint Control of which the Sun flining, exhibits a Bow to a Speciator placed be-tween the Sun and the Drope; especially if a dark Body, e. gr.

a black Cloath he disposed beyond the Drops.

Anton. de Dominis first accounted for the Rainbow, in 1611: He explain'd at large how it was form'd, by refraction and re-

ldet whereof will not be unacceptable.

General of the Steve beams in photology of Ware; welcome

Lyan mentioning them, the following pooling pooling is Dopth, at

Clyan mentioning them to the following Table.

However, the following the fo

## Theory of the Formation of the RAIN-BOW.

To conceive the Origin of the Raislow, let us confider what will beful Rays of Light coming from a very remote Body, e. gr. the Sun; and falling on a Globe of Water, fuch as we know a Drop of Raln to be.

Suppose then ADKN (Tab. Opticks, Fig. 45.) to be a Drop of Rain, and the Lines EF, BA, ON, to be Rays of Light com-ing from the Centre of the Sun; which, by reason of the im-

mense Distance of the Sun, we conceive to be Parallel. rollel RAY Now the Ray BA being the only one that falls perpendicularly on the Surface of the Water; and all the reft obliquely; "tis early

inferr'd that all the other Rays will be refracted towards the Perpendicular.

inflitted tall the units and the proceedings, the Compensation of the EFF TRANSFORM accompanying is, work go on finite to G; box as they arrive at His deficie from F to K, where form of them, probably, elepting not to Aci, the next the re-felted upon the Line KN., for no makes the Angles of Insidence and Reference coal. See Retractions of Insidence and Reference coal. See Retractions provinging fig distribution of the New York Nr. and Hold accompanying fig distribution for Asia, without being critically in the to records from the top the Nr. and Hold accompanying the distribution for Asia, without past critically also to records from the Perpendicular LM; and therefore will not proceed finishe to Y. Y. and Asia an It may be here observ'd, that some of the Rays arriving at P.

It may be here oblers'd, but some of the Rays arriving at P, on one pair on time to Au, but are again reflected to Q2, where here to the Au, but are again reflected to Q2, where here to the Au, but are pair reflected to Q2, where here the County of the Perpendicular IV, are current on R: the base deciding from the Perpendicular IV, are current on R: the placed a lattic below the Duty, or at P, thole which delical from placed a lattic below the Duty, or at P, thole which delical from produced to the Perpendicular P, and the Rays as a, 5, and the like, which being reflected from 1 to 4, the county is a delical string the rest at the Eye theoret to P, and then 3 to 6 may at length strive at the Eye theoret to P, and then 3 to 6 may at length strive at the Eye theoret to P, and then 3 to 6 may at length strive at the Eye theoret to P, and then 3 to 6 may at length strive at the Eye theoret to P, and then 3 to 6 may at length strive at the Eye theoret to P, and then 3 to 6 may at length strive at the Eye theoret to P, and then 3 to 6 may at length strive at the Eye theoret and the P and 
theore to 3, and from 5 to 6 may at length storre as one 1-ye spirced beautist the length of the contract of t only ones capable of attecting the Scota; as being fulneauting close occurring our practice, and being for coming our practice, whereas the red are districted, and differred too far to have any families the red are "Interface," and differred too far to have any families to the Base. "Interface, and the first produce are whose for visit as the Colours of the Base. "Interface," The Ray INP has Shade or Darkocchian of visit for fame there is no Ray connect ent of the Surface NA, "the the fame thing as it the Part were covered with an Opable Base." The Colours of the Surface NA, "The Colours of the Surface NA, "The Colours of the Surface NA, "The Colours of the Surface NA," and "The Colours of the Surface NA, "The Colours of the Surface NA," and "The Colours of the Surface NA, "The Colours of the Surface NA, "The Colours of the Surface NA," and "The Colours of the Surface NA, "The Colours of the Surface NA, "The Surface NA," and "The Surface NA, "T by. We might sidd, that the finne Ray NP has Darkneis above it, fince the Rays that are above it are ineffectual; and fignify

It's lince the Kays tim are above it are inefectual; and agenty on more than if there were none at all.

Add to thefs, that all the effectual Rays have the fame Point of Reflection, it is the properties of Reflection, it is the properties of Reflection, it is the properties of the fame are effectual after Refraction, will all most up the fame point of the Grounderscoe; and be reflected thence to the

Eye.
Further it appears by Calculation, that the Angle ONP, in-cluded between the Ray NP, and the Line ON drawn from the Center of the Sun, which it the Angle whereby the Resistent is dithant from the opposite Peins of the Sun, and which makes the Sensidation of the Bong contain 41° 30′. The Metched of determining it fee bereafter.

determining it the begreater.

But floor bedder those Rays coming from the Centre of the
San to the Drop of Water, there are many more from the several Points of its Surface; there are a great many other effecient Rays to be considered; effectally that from the uppermost,
and that from the lowest Part of the Sun's Body.

Since about the assessor Dismostrate of the Sun's about a 6-6.

and that from the lowelf Part of the San's Body. Some of the compression of the same of the San's about 16 so Base of the San's Base of t

m computing the Deflexions of the Rays, which, Again, quos computing the Delications of the Rays, which, the the 21/84-25, containg from the Centre of the Sans, and be-lies the 21/84-25, containg from the Centre of the Sans, and be-tilled to the Centre of the Centre of the Sans, and the the twice reflected, and rotice reflected, and to occur the Eye y Lines litch artic of (Fig. 47); we find that which may be ex-counted officially as 67; with the Line S6 dates on from the Cen-counted officially as 67; with the Line S6 dates of the Sans and whereast is follows that the erlicitual lay from the highelf Part of the Sans, with the fame. Line S6 includes an Angle left by to figures; and that from the lowest Part of the Sans, and Angle Sanstain and Sanstain Sansta

alone; and the from the lowest Part of the Sha, an of aging price by 46 Manner. We have been considered by a price by 16 Manner by the Part of the Sha to the Ryrs in F, that A negle field is simply from the Hard Sha to the Ryrs in F, the Angle field Resement of about fifty one Depteres, and force Manner. By the second early of this vero Deptere, and fittees Manner. By the content and to fifty one Depteres, and fittees Manner. We deman early of fifty one Depteres and fittees Manner. Sha the second early Corne of the Sha; what we have fail of the dataset and first Corne of the Sha; what we have fail of the dataset flows, alternative. However, the Corne of the Sha; what we have fail of the dataset flows, alternative. How of the Corne of the Sha; what we have fail of the dataset flows, alternative. How of the Corne of the Sha, we have the state of the Sha that the Sh lours of the Profis

unit of the xyyy. Quantity of dends or intenfa Light. i. e. the For the give clocked reported in a cental Poiss, u, y, z is also Point of Rethelmon of the efficient Rays, may be accounted as justed or resistant Booly, terminated all acound by Sakas. For the leveral Rays thus centred to the Eye are book of different Colours; that is, first of section with a left of section of the transfer of the colours of the section of the Colours is the section of the Colours; that is, first of section of the Viver into Air, may be considered to the colours of the Colours; that is, first of section of the Viver into Air, may be considered the colours of the Colours; that is, first of section of the Viver into Air, and the Colours of the Colo

Hence it follows that the different or heterogeneous Rays will e feparated from one another, and will tend feparate ways; and betegrated from one another, and will tread feptrate ways, and thehomogenous Rays be collected, and tend the fame way. And therefore this locid Point of the Drop, wherein the Re-figlion is effected, will appear fringed, or borderd with feveral Colours; that is, red, grow, and blue Rays of the Sun tranf-mitted to the Eye from feweral Drops one higher than another;

after the same manner as is done in viewing lucid, or other Bo-dies through a Prifer. See Priest. dues through a Prijer. See Prijers.
Those, and Sir I Jane Newtons, the Rays that differ in refrangishiy, will emerge at different Angles; and confequently, according to their different Degrees of Refrainphility, emerging most obtained by the principle of the different Degrees of Refrainphility, emerging most obtained by the different Angles, will exhabit different Coolurs in different Panes. See Refrainmentative.

dificient Places. See KEPERAGURERETY.
A press number bene of their distinct Globules being diffided in
A press number bene of their distinct Globules being diffided in
portical being being difficult and their difficult levels provided by the fit offsport as their efficient levels provided by the fit offsport as the efficient levels ground their offsport and their will be fit offsport and their positions of the fit offsport and their best fit offsport for the fit offsport; for a fit offsport for the fit offsport for the fit offsport for the fit offsport for fit off ght Line filling on two Parallels makes the alternate Angles e-

Sec ALTERNATE If, then, an indefinite Number of Lines be insigned drawn from

the Spectator's Eye to a part opposite to the Sun where it rains me Spektur's Eye to a part opposite to the Sun where it rains; which Lines make different Augusts with the Line of Afgect, e-sul to the Angles or Refraction of the differently refractible Rays, e.g., Angleyer of 49, 14, and of 49, 36. Thefe Lines thing on Drope of Ram illumined by the Sun, will makes August the fame Magnitude with Rays drawn from the Centre of the Sun to the fame Drope. And therefore the Lines thus fram from the Eye will reprefer the effectual Rays that occa-fin the Seniation of any Colour.

That, e.gr. making an Angle of 42° 1 th reprefering the least transplant of the colour o

refrangible or red Rays of the feveral Drops, and of 40° 16', the most refrangible or violet Rays: The intermediate Colours, and tefrangibilities will be found in the intermediate Space Ee.

See Rep. Violen; 6c.

Now, 'di known that the Eye being placed in the Vertex of a Cone, free Objects upon its Surface as if they were in a Cir-• Come, exc. Objects, upon its Suriere as if they were in a Cartist and the Live of or Spectare is here in the common Version and the Cartist of Cartist of the Cartist of Cartist

Bounds or Verges of the Rainbow.

For, if EF be Doron placed any where in the control Surface Green the Control of the Control of the Surface State of the thind the Control of the Control can, sitter Reflection, be reincled to the Eye, and sitter Reflection, be reincled to the Eye, and the Control of the Cont

And in like Manner the Angle SFO being to the Angle POF 12° 2', shall be the greatest, in which the least refraegi-POF—12" 25 thail be the greatest, in which the feming-ble Rays after one Reflection can emerge onto the Drops; and thefe Rays shall come most ecotomly to the Eye, from the Drops in the Line OF, and strike the Senses with the deepest

red Colser in that Region

rad Cuber or that Region.

And by the fine Argument the Rays, which have incorrecting Degrees of Refunghisty, final concerned copiously from Drope Degrees of Refunghisty, final concerned copiously from Drope Colours, in the Colours 
to a purple.

And lince the Lines OE. OF may be fituated any where in the abovemention'd conical Surface, what is fail of the Drops and Colours in the Elizes is to be understood of the Drops and Colours throughout the whole Superficies. Thus is the primary. or issur Bow form'd

# Secondary, or outer RAIN-BOW

As to the Economy or this term, will firmuning the former; in aligning what Deep would appear colorated, we exceed the exceeding the exceeding terms of the exce

nor as the fift.

Thus, Sir 1/Jac Neutron: In the leaft refringible Rays, the leaft Angle at which a Drop can fend efficient Rays after two Refrictions. If stord by components to be 50° 57° and in the supervision to be 50° 57° and in the Supervision Control of the Place of the Eye, as before, and POG. POH to be Angles of 50° 57° and 59° 7′. And thefe Angles to be trent'd about their common base OP; with their other the Control of the Con Rainfow CHDG

Rainford CHDG:
For, if GH be Drops placed any where in the conical Superficies described by OG OH; and be illumined by the Sun's Rays,
the Angle SGO being equal to the Angle POG or 50° 57°,
the field be the least Angle, in which the then test retainaghle Rays,
can, after two Resilicitions, energies out of the Drops; and therein the Responsible Bur of the Company of the Company fore the leaft refragable Rays find come most copiously to the Eye from the Drops in the Line OG, and strike the Senso with the deepest Rasin that Region.

And the Angle SHO being equal to POH, 54° 7', shall be And the Angle STAD being equal to POIL 54.77, that be the leaft Angle in which the most reframpble Rays, after two Reflections, can emerge out of the Drops; and therefore those Rays that come most copiously to the Lye from the Drops in the Line OH, and so fittle the Senses with the deepest Vasor in

And by the same Argument, the Drops in the Region between And by the same argument, the Lifety in the region between G and H<sub>1</sub>. Hall finite the Scules with the incurnediate Co-lours, in the Order which their Degrees of Refrangibility re-quire; that is in the Progress from G to H<sub>1</sub> or from the infide of the Bow to the outer, in this Order: Red, Orange, Editor,

loads: in the Coose must can argue for recreasing may re-quire; that is, in the Progred from C to H, or from the infide of the Bow to the outer, in this Order: Red, Orange, Yellow, Green, Blee, Joanny Fadet.

And lionce the Lines OG, OH, may be fituated any where in the conical Sarface; what it and of the Drops and Colours in these Lines, is to be understood of the Drops and Colours every

where in their Superficies.

Thus are form'd two Bows, an interior, and ftronger, by one Reflection; and an exterior and fainter by two; the Light becom-

Retrictions, and an external san content by two; the Light necessing weaker and weaker by every Reflexion.

Their Colours will be in a contrary Order to one another; the first having the Red without, and the Purple within; and to of the reft.

# Artificial RAIN-BOW.

This Doctrine of the Raimbow is confirm'd by an easy Experi-ment: For upon banging up a Glass Globe fall of Water in the 11 K Sun-

San-Shito, and viewing it in fachs Podure as that the Rays which come from the Globe to the Eye, may, with the San Rays interest of the Color of the Eye, may, with the San Rays in the Color of the Color opposite to the San, as # F. And if the Angle he made is lettle left, inguige by deperting the Globale to E, the other Colorn, Yellow, Blac, and Green, will produce the Color of t

per fucceivery, to use automotive growth and supported by raifing the But if the Angle be mide about 50%, fuppode by raifing the Globale Gr, there will appear a red Colour in that Side of the Globale Gr, there will appear a red Colour in that Side of the Globale Gr, there will appear a red Colour in that Side of the Globale Growth faint, and if the Angle be made generate, hippone by railing the Colour to H; the Red will change faccetively to the other Colours. Yellow, and the Globale Growth of the Gro Green, and Blue.

The fame thing is observed in letting the Globe rest, and to

fing, or depreffing the Eye to make the Angle of a just Magnitude.

#### Dimensions of the RAIN-BOW.

Der Carter first determin'd its Diameter by a tentative, and indirect Method; laying it down that the Magnitude of the Bow depends on the Degree of Refraction of the Fluid; and alluming the Ratio of the Sine of Incidence to that of Refraction, to be

In Water as 250 to 157. See Refraction.

But, Dr. Halley has force, in the Polologob. Transfart. given us a timple, circle Method of determining the Diameter of the Ranslova from the Ratto of Refraction of the Fluid being given;

a limple, chiech Method of determining the Dumoter of the cross-section of the Chief.

I the Chief of the Chi flexions increated by 2, and double the Angle of Incidence fub-fracted from the Product, the Angle remaining in the Angle fought. Thus fupposing, the Ratio of Refraction to be, as Sir Jian-Neuton had determined in, win, as 103 to 31, in the red Rays, as 109 to 31 for the blue Rays, etc. the preceding Problem will give the Dishaces of the Colours in the

If the Angle made by a Ray after three or four Reflections, were required, and therefore the Diameters of the third and fourth Rambau, (which are feater ever feets by reason of the great Diminution of the Rays, by so many repeated Reflexions) they will be found

Hence, the Breadth of the Rainbour is easily found: For the greatest Semidimeter of the first Bow, i. s. from Red to Red being 42 ° 1', and the least, vie. from Purgle to Purgle of 5 (the Breadth of the Fassian or Bow, mediated a-croft from Red 5 and well the 10 st.) and the constant Disreptor of the semident of the property of the control of the constant of the semident of the s ocase 2.1, and use letting one, from Purpe to Purple 40° 165, the Beneith of the Faylis or Beau, mediated a-croft from Red to Purple will be 1° 45°, and the greated Dameter of the fa-cond Bow being 5° 9°, and the least 50° 58°, the Breadton of the Faylis will be 3° 10°. And bence the Diffunce between the trow will be found 8° 15°.

In thee Measures the Sun is only efterm'd a Point; where-fore as his Diameter is really about 30' to much must be added to the Breadth of each Fafor or Boto, from Red to Purple, and to the Breadth of each Fajau or Essa, from Red to Parife, and from the he faithfuiled from the Diffiance between them. This will leave the Breadth of the primary Bess, 20° 15°, which to the fiscaular Pass 20° 15°, which Dimensious deduced by Calculations, Sir Ifau Newster affirms at from this own Oscilevations, agrees very exactly with those found by actual Mensirantion in the Heaveng.

Particular Phanomena of the RAIN-BOW, with the Caufes thereof.

From this Theory of the Raisdoto, all the particular Phicago-

mean are cafily deduced: Hence we fee why the Iris is always of the fame Breadilt; by reason the intermediate Degrees of re-frangibility of the Rays between Red and Violet; which are its extreme Colours, are always, the fame.

secured, Why it is more difficulty terminated on the Side of the Red, than on that of the Violet? There being no efficacious Rays in the Space adjoining to the red Drops, i. e. to the Space Rays in the Space accounting to the red LProps, i.e. to the Space between the Bows, whence it terminates abruptly; whereas in the Space on the Side of the Violet ones there are fome Rays emit-ed to the Eye, which though too feeble to affect it ftrongly, yet have this effect, that they forten the Violet Edge infentibly.

yet have this critch, that they forten the Violet Edge infamility to that this difficult to determine precedity where it retermines.

Thenly, Why the Bew Initia in Situation as the Eye does; and, as the popular Proteic bus it, for key level by the initia in the law of the law they for his Protein the law of Africa, which is different in different Places: Whence, also, it follows that every different Spectacor for a different place.

Fourtible, Why the flow is formetimes a larger Portion of a Circle, fornetimes a lefs? Its Magnitude depending on the grea-ter, or lefs Part of the Surface of the Cone, above the Surface ten, or leds Part of the Surface of the Comé, above the Surface of the Earth at the Time of its appearance; and that Part being greater on leds as the Line of Algorit is more inclined or oblique, proportion of the Surface and Surface

feen, being lott in the Ground, at a little Luttance from the Lyes, when the bun is above 42° high.

Sizethly, Why the Bown never appears greater than a Semicircle, on a Plane? Since he the Sun never so low, and even in the Horizon; the Centre of the Bow is fill in the Lies of Affect, which, in this Cafe, runs along the Earth, and is not all raid debove the Surface

Indeed, if the Speciator be placed on a very confiderable Emi-nence, and the Sun in the Horizon; the Line of Afrect wherein nence, and the bum in the Fronzion; the Line of Alpect wherein the Centre of the Bow is, will be notably rain's above the Horizon, (confidering the Mignitude of the Clicke whereof the Bow ufes to be a Part.) Nay, if the Eminence be very high, and the Rain near, 'tis possible the Bow may be an entire Clicke.

Circle. Seventish, How the Bew may chance to appear inverted, 1. e. the Concerns Side he turn'd upwards? To wis. a Cloud happening to intercept the Rays, and present their filming on the uppear Par of the Arch: In which Cafe only the lower Par appearing, the Bow will feem as if turn'd updic down; Which probably has been the Cafe in feveral Predigies of this Kind, related

by Audron.

Indiced the Bow may appear inverted from another Cmile:

Indiced the Bow may appear inverted from another Cmile:

Indiced the Bow may appear inverted from another Cmile:

Indiced the Bow may the Cmile Indiced I

But fince the upper Part will fall among the unbroken Clouds; and only the lower Part be found among the Drops of Rain, the Arch will appear inverted.

Eighthly, Why the Bow fometimes appears inclined? The ac-

and de den der Ferre Leite and among the Drops of Rain, Egishb, Willy the Renchment specim included The sec-count rounders der the Bow depending on its print Dillance, covers rounders der the Bow depending on its print Dillance, covers rounders der the Bow depending on its print Dillance, excellentis ich neuer to be minks neuers, we halt die ein tregelschildt ich der De Dillance in der Geschliebt ich der De Dillance in der Bost de

#### Lawar RAIN-BOW.

The Moon, fometimes, also, exhibits the Phoenomenon of an The Woods, formatines, allo, exhibits the Phenomenon of an Iris or Bows by the Refinition of her Rays in the Drops of Rain in the Night-time. See Mooss. Ariflake Rays, he was the first that ever observed it; and adds, that it ower happens, i. is never rifiles, but at the Time of the Full-Moon; her Light at other times height on the residence the Sight, after two Refractions, and one Reflection.

The Lasser Life has all the Colours of the Solar, very diffined and pleafant; only fisht, in Comparition of the other; both from the different intensity of the Rayes, and the different Dis-position of the Medium.

polition of the selection.

In that mention'd Philosoph. Transfact. No. 331. Mr. Thureshy offerers, the largeness of the Arch was not so much left than that of the Soo, as the different Dimensions of their Sodies, and their Different from the Earth should from to require: But, as to us instructs and the Beauty of its Colour, it was admirable. It continged about 10 Minutes e're the interpolition of a Cloud hinder'd its Observation.

#### Marine RAIN-BOW.

The Marine or Sea-Bow, is a Phanomenon formetimes observed in a much agitated Sea; when the Wind (weeping Part of the Topso of the Waves, carries them aloft; is of bast the Sun's Ray falling upon them, are refracted, eye, as in a common Shower; and Part the Colours of the Bow.

F. Beerzer, in the Philosoph Transact. observes, that the Co-logs of the Marine Rambow are less lively, distinct, and of less destion than those of the common Byw; that there are fearceathe Sun, and a pake Green on the opposite Side.

But their flows exceed as to Number, there being for

go or 30 feen together: They appear at Noon-Day, and in a Pointon opposite to that of the common Bow, i.e. the Concave Side is turn'd upwards, as, indeed, it's necessary it should be, m what we have shown in accounting for the Pha the Seler Bow.

To this Class of Bows may be referred a Kind of white, and by Rainbeurs, which Montradius, and others, affirm to have feen a Noon-Day. M. Marisste in his IVth Effat de Phylippes, tays, their Bruw are form'd in Maffs, as the others are in Showers, and adds, that he has feen feveral both after Sun-riling, and in the

Night.

The want of Colours he attributes to the Smallness of the Vapous which compose the Mist: We fisculd rather Account for a from the exceeding Tenuity of the little 14/faule of the Vapour; which being in effect only little watery Pellieles bloated with Air, the Rays of Lught undergo but little Refraction in patting our of Air ioto them; too little to separate the differently coloured

Rays, de

Hence the Rays are reflected from them, compounded as they game, that is, White. See REFRACTION.

Relawl rentitions coloured Againsous on the Grafis; form'd by the Refractions of the Sun's Rays in the Morning Dew. Trait.

& Pby) RAISER, in Building, a Board fet on-edge under the fore-fide a Step, Stair, &c. See Stair, &c.

of a Step, Stair, &c. See STAIR, &c.

RAISING, in the Manage, one of the three Actions of a

Hone's Legs; the other two being the Stay and the Tread; which

The Raifug, or lifting up of his Leg in Caprioles, Curvets, &c. is elected good, if he preform it hardly and with eafe; and rettling his Legs, nor carrying his Feet too much out or in; ye bending his Kaces as much as is needful.

RASING-Pieus, in Architecture, are Pieces that lie under the Beams, on Brick or Timber, by the Side of the Houte. RAISINS, Grapes prepared by drying them in the Sun, or in Orens, to 6t them for keeping, and tor fome medicinal Pur-

fics. See CURRANTS.
Of these there are various Kinds: As Raison of Dan Of these there are various Kinds: As Raifes of Danasfaux but call'd from the engial Cary of syns, in the Neighbourhood wistered they are cultivated. They are much used in the Composition of Philiams, together with julius and Dates; are hought first and feeded, of the Size of the Thumb, whence visit judging of the extraordinary Balk of the Grape, when fresh. Twellers call our of fluorches weighing as Pounds. Their Tatte is faintifh and difagreeable.

RAITING, or RATING, the laying of Hemp, Flax, Timber, &c. when green, in a Pond or running Water, to feation and dispose for future use. See Seasoning.

RAKE, of a Ship, is fo much of her Hull as over-hangs at both Ends of her Keel.

That Part of it which is before, is called the Rate forward sw; and that Part which is at the fetting on of the Surro-Post, is called her Rate aft-ward sw: When a Ship bath but a small Rate forward on, but is built with her Stem too fireight up, the is called Rhiffe-headed. Called Rays: Installed.

Raks of the Ruider, is the hindermost Part of it. See RUDDER.

RAKING, of a Horle, is the drawing his Ordere with the
Hand out of the Fundament, when he is Codive and cannot
Dung. In order to this the Hand must be anointed with SalletOld or Re...

Otl or Butter. RAKING-Table, among Architects, a Member hollowed in the Square of a Podestal, or elsewhere. See CAVETTO, SCOTIA.

RALLYING, in War, the re-affembling, or calling together of Troops broken, rested, and put to flight.—A Horie is faid to Rake when being Shealder-Spines, or having strain'd his Fore-Legs in a Quarters, he goes to Lame as to drag one of his Fore-Legs in a

Creic.

RAM, in Altronomy.

See ARHS.

Bastring RAM.

RAMADAN, a fort of Lest, obfered by the Alaboratous;

stains, which they find the whole Day, with a fact extreme Suleaving which they find the whole Day, with a fact extreme Su
leaving the Company of the Company of the Company

The Man indeed are allowed to Birth themselves; but it in

The Man indeed are allowed to Birth themselves; but the form

The Man indeed are allowed to Birth themselves; but the form

The Man indeed are allowed to Birth themselves; but the form

The Man indeed are allowed to Birth themselves; but the form

The Man indeed are allowed to Birth themselves; but the form

The Man indeed are allowed to Birth themselves; but the form

The Man indeed are allowed to Birth themselves; but the second themselves thave the second themselves the second themselves the second the se

The Men indeed are attown to that meanings, but to to Condition they don't plunge the Head under Water, left fome Drops enter by the Mouth or Ears, e's: But for the Women they are strickly forbid Bathing, for fear of taking in Water be-

To make amends, they Feaft all the Night; and usually spend more this Mouth than in fix others. RAMAGE, a Term used for the Boughs or Branches of Trees.

Ramage Hawk, or Folian, is one that is wild and cov. as having been long amidft the Boughs, preying for it felf.

A Faulcon retains this Name till be has left the Epris, being so called in May, June, July, and August. These are very rarely

reclaimed.

RAMMER, an Infrument for driving down Stones or Pies into the Ground; or for the bening the Earth, and making it more fails for a Foundation. See Foursparton, N. RAMMER, of  $\sigma$  Gas, or  $G_{\rm BPS}$ -Starl, a Rod or Staff used in charging a Gam; to drive home the Powder to the Breech, as also the Stone, and the Wad, which keeps the Shot from rolling

See CHARG

Control Changer.

The Ammer of a greet Gum has a round Piece of Wood at The Ammer of a greet Gum has a round Piece of Steep-Skin, fitted us the Bore of the Piece, is order on care the strike the been diffraged: Which they call famping the Piece. So Stroom, RAMITIC-AITON, the Proceids not Benglar of Brander, or off Pieces referribing Branches. So Shanser; and Pieces of Ramera, which is a family as the Pieces for Stroom Control 
RAMPANT, in Heraldry, is applied to a Lion, Bear, Leo-pard, or other Beaft, in a Pofture of Climbing, or flanding up-right on his Hind-Logs, and rearing up his Fore-Feet. It is different from Salant, which is a Pofture lefs creek. See

SALIAST.

This Posture is to be specified in blazoning in all Animals, except the Lion and Griffin; it being their natural Sination.

The Term is breach, and longities literally, oversier, RAMPART, in Postufication, a Mount or Mast of Earth, and the Company of rais'd about the Body of a Place, to cover it from the great Shot; and form'd into Baltions, Curtains, eve. See FORTBESS, WALL,

τιον, έν DATIONS OV.

Upon the Reseport the Soldiers continually keep Guard, and Pieces of Artillery are planted for the Defence of the Piece. Hence, to Sheller the Ganad from the Enemies Shot, the con-fide of the Reseport is built higher than the infiels, i.e., a Paraget is raid upon in with a Platform. See Paraget is raid upon in with a Platform.

Hence, also, Earth not being capable to be rais'd perpendicu-ly, like Stone; the Rampar's built with a Talor or Slope, both the ioner and outer-face. See Talus.

on the inner and outer-fide. See Tallus.
The Rangers it innermine final. C. fertified with a Strone
Wall withheside, otherwise it has a Briene. See Brasus.
Wall withheside, otherwise it has a Briene. See Brasus.
Earth that forms the Rangers it along. See Divicia.
The Height of the Rangers must not exceed three Fathenay
to be being inflicient to cover the House from the Battery of
the Calmonia. Notified ought its Thickness to be above to or 12,
usuffit more Earth the taken out of the Dutch, than can be otherusuffit more Earth the batten out of the Dutch, than can be otherways bestowed.

ways betrowed.

The Ramperts of Half-Moons are the better for being low; that the final Fire of the Defendants may the better reach the Bottom of the Ditch; but yet it must be so high, as not to be

commanded by the Covert-Way.

The Word is form'd from the Spanish Amouro, Defence, Co-

vernag.

RAMPART is also used in Civil Architecture, for the Space left void between the Wall of a City and the next Floofes.

This is what the Ramson called Ponearines, Wheestern it was forbid to build; and where they planted Rows of Trees, for the People to walk and immite themselves under.

RAMUS, in Anatomy, &c. a Beauch of a greater Vestel.

RADIOS; 10 Anticuty, Cf. a Diameter a greater See Vassell.

Resons Anterior is particularly need for a Branch of the fabou-taneous Vein pathing under the Murcles of the Ulina. Resons page-rior, a Branch of the fame Vein running near the Elbow. See

Ranns poste-Sec

RANCID, formething mouldy, or multy; or that has con-tracked an ill Smell, by being kept close. See MOULDINDSS. The Word is particularly understood of old rufty Bacon. It comes from the Latis Residue, of rances, to be rank.

PANDOM.

RANDOM-shar, a Short made when the Muzzle of a Gun is risked above the Horizontal Line, and is not delight of the Prey Horizontal Line, and is not delight of the Prey Horizontal Line, and is not delight of the Prey Horizontal Line, and is not delight of the Turnoth Romewood any Prece is about ten times as far as grow the Bullet will go Prefore blanks; and the Bullet will go Farthelt when the Preceis mounted to about 45 Degrees above the Levelage.

when the FREED RIVERS IN THE PROPERTY OF THE P the Touch-Hole. See Ordnance.

RANGE, in Gunnery, the Path of a Builet, or the Line it defenibes from the Mouth of the Piece, to the Point where it

offennes from the Mouth of the Precs, to the Foth Where as folgets. See Cluys, ButLET. of: If the Precs the Horizon, it is called the Right on Level Range. If it be mounted to 45 De-grees, the Bull is fild to have the wirefl Range; and fo proportionably; all others between on Degrees, and 45%; being called the intermodiate Ranges. See GUNNERTY, PROJECTIES, 6%. RANGER, a form Officer of a Forett, or Park, whole Ba-

RANGERS, a tworn Officer of a Forest, or Fark, whome offices it is to walk daily through his Charge, to drive back the wild Beaths out of the Furtiess or distorcited Places, into the forest Lands; and to prefent all Trespatits done in his Balliwick, at the next Court held for the Forest. See FOREST and PURLIEU.

The Ranger is made by the King's Letters, and has a Fee paid yearly out of the Exchequer, and certain Fee-Deer. In the Charter de Forosta, mention is made of twelve Kind of

RANGES, in a Ship, are two Pieces of Timber, going a-crofa from Side to Side; one aloft, on the Fore-Caftle, a little abaft the Fore-Maft; and the other in the Beak-head before the Wouldings of the Bow-fprit

Woulding of the Box-fptit.

RANGING, in Wist, the difficulting of Troops in a Condition proper for Engagement, or for Marching. The Army was regard in Form of Bittle to recove the Enemy; regard in Internet of Bittle to recove the Enemy; regard in Internet of Bittle of a Work that must fraight, without bracking too Angles, in did to range, or nor range.

RANNs, a due Order; or a Flace Bittle of a tiltude proper in the Bittle of the March California. The Range of Bittle of the Bittle of the Bittle of the Bittle of Bittle o

CEDENCE. RANK, in military Discipline, a Series or Row of Soldiers, placed Side by Si.e.; a Number of which Ranks forms the Depth of the Squadron or Battallion, as a Number of Files does the Width. See Fit.s.

Which. See Fills.

To Chife the Ranks, is to bring the Men nearer; to spen, to fet them further a-part; To doubt the Ranks, is to throw two into the Space of one.

into the Space of one.

RANK, in refpect of Ships. See RATE.

RANT, in the Drams, an extravagant Flight of Paffice; overfhooting Nature and Probability. See PROBABILITY.

Let's Tragedies abound with Rassi. The ranketh, 'its obferv'd, frequently meet with Applaufe on the Stage.

We find loftances of Rants, even in our fevereft Poets. Such,

We find lottances of Raufs, even in our leverett Poets. Such, s., pr. is that in the Beginning of Ban, Julyalow Catallaw, where the Particle fipcaking to Rows, Suys, I'd plough up Racks, Hop at the Alps, in Duly, and Leve the Tyrrheav Waters and Chindi; but I can'd avan't by Head.
RANSOM, a Sum of Money, paid for the Redemption of a Perion out of Salvery; or for the Liberty of a Prisone of Water.

See REDESTROY

See REDEAPTION.

In our Law-Books, Renfor is allo used for a Sum paid for the participation of forms socious Crime. Mer makes this distribution of forms socious Crime and the state of the designation of a Corporal Fundament. See Assistance and the designation of a Corporal Fundament. See Assistance from the technique of the Corporal Fundament of the Renform that the trebs thee Files. Corpor. Full. RANULA is Medicine, a Turnous under the Tongue.

RANULA is Medicine, a Turnous under the Tongue.

The Ramb for Largue is the fame with whe we observed call being Jan Largue is the fame with whe we observed call being Jan Largue is the fame with the call being and the design cannot be a form of the call being the state of the call being the troops to present the proper Money. At other Pranse, though many, there is a frong Concretion in that Plat. Sometimely, there is a frong Concretion in that Plat. Sometimely, the call being the call

These Veins are opened with good Success in Quinzies. They take their Denomination from a refemblance of their State to that of little Frogs, call'd in Latin, Ramile, because never out of Water. RAPACIOUS Animals, in the general, are fuch as live upon rey. See Animal.

Naturalifts divide Birds into Rapacions, Carniversus, and Fra-

See BIRD

The Characteristic Notes of Birds of Prey are; that they have The Charaktensian Notes of Britis of Frey air; this they have a great Head, and finer Norsh; hooked, strong, and disrup-pointed Beak and Talons, fitted for tearing of Fleih, it rong and brame "Tisphs, for thinking down their Prey; a broad thee facility Tongue like that of a Humao Creatures; 1 as Festiciss in their Trans; and a.g. Fig. Festiers in each Wing. The two Appendices, or blind Guts, are always very thort. See Each. B. Fat.

dices, or bland curts are aways very most.

Ones, HAWK, e. C.

They have a memberanous Stomesch, and nor a maleulous one, or a dizzard, find-a likely have a first live on Grain.

They are very fharp-fighted; and gather nor in Flocks, but generally feething, are foliarly should Valuture will fly so or do in a Company.

A District Lean. - Remidipue: or the having Carnal Know-

RAPE, in Law, a Ronjolog; or the having Carnal Know-dge of a Woman by Force, and against her Wall. It the Woman conceive the Law effects it no Rape; from an Opinion that the cannot conceive unless the content.

on Lett. lib. 2. cap. 11.

This Offence is Felony in the Principal and his Aiders, by several Statutes; and the Criminal is excluded from the Benefit of

versi Statutes; and the Criminal is excusion from the benefit or bir Clergy, See Filtony.

By the Civil Law, C. de Rapta Virginum, Ravifhing is decreed Capital unleft the Worman, being a Midd, or Widow, may be married to the Raviflet. In Fanes the Civil Confittutes that obtains, and allows the Main to marry the Worman with her Con-

lent.

By an Ordoneance 1639, the Rape of a Girl or a Boy see put
on the fame footing. First observes, that by our Laws the
Complaint must be made within forty Days, eithe Woman,
now not be heard. Life, 5, Clay.

1, 
the loss of his Eyes and Testicles, Quia Coloren Supri Induce

3 Inft. Fol. 60. 3 Init. Fol. 60.
The Civilians make another Kind of Rape, call'd Subsynatis, or Rape of Subsynatiss, or Rape of Subsynatis, or Rape of Subsynatis 
rocally for the Crimen Raptur, or Substructi The French Laws make no difference between the Rape of Violence, and that of Soliacitation, or Suhomation; they make

oth Capital

This Kind of Rape our Laws call Ravifhment. See Ravisse.

RAPE, of the Forest, is a Trespair committed in the Forest by Violence. See Forks This is mentioned in the Laws of Henry I. as one of the Crimes

gnizable alone by the King.

RAPE, is also a Name given the Wood or Stalks of the Clusters of Grapes, when dried and freed from the Fruit

of Ginpex, when dried and reced from the Frust.

The Rept is used in minking Vingen, feering to beat and four
the Wine: But 'this first put into a Place to four intelly,
before it is cut into the Vingeny Veilel; to which Ends, perfectionly after
the Vintego, it is cut-tuinly put up in Burtels, left it take Air, to
therwise it would bear it fifth, and be protect: There is no other
thereties it would bear it fifth, and be protect: There is no other
veiley, wherein a combine, with Veine or Vintegou. See ViVeiley, wherein it is combine, with Veine or Vintegou. See Vi-

RAPE, is also used for Part of a County, fignifying as much a Handred. See HUNDRED. as a Hassired. See HUNDRED.
Though, formermer Rape is taken for a Division containing feweral Hundreds; thus Suffer is divided into fex Rapes, over, those of Chickeffert, Annual, Farnature, Louis, Processy, and Hindings; every one of which bedden is Hundreds, has a Cattle, Dones and Went Beddenies.

fings; every one of which beliefe its Hondreds, his a Cellles, Rever, and Forell belonging to it.

These Parts in other Counties, are called Théngs, Lathes, or Weynestels. See CITHINS, LATHE, &r.

RAPIER, a long, ordinary, old fullished cutting Swords, fuch as these worse by the common Soldhers: See Swords.

Hence, to take the Rajeer, is to other in the Army.

Hence, to take the Rajeer, is to other in the Army.

Also Words formul from the Green's elevings, autre, to finite, also were also seen to finite.

RAPINE, in Law. To take a thing in private against the Owner's Will, is properly Thest; but to take it openly, or by Violence, is Ration. See Abactro.

# RAPSODIST, Sec RHAPSODIST,

RAPTU hereds, a Writ laying for the taking away an Heir, holding in Society of which there are two Sorre; one when the Heir is married, the other when not. See Rape.

RAPTURE, RAPTURE, as Ecflacy, or Transport of Mind. CE EXTASY, ENTHUSIASM, RHAPSODY, &C.

RARE, in Physicks, a Body that is very porous, whose Parts are at great Distance from one another, and which contains but little Matter under a great deal of Bulk. See RAREFACTION, Bopy, PORE.

In this Scale Rare stands opposed to Deng. See DENSTRY.

The Corpuscular Philosophers, via. the Episarram, Gassenius, Neutsmans, See. assert that Bodies are rarer, some than ochers,

Nominum, Res affect that Bases a search, Since than choice, in which of a person, Since than choice, in which of a person, Since than choice, and the search of the search

latter. See RARE.

Rarefallian is opposed to Construction. See Condensary In firschness, bowever, our more accurate Writers reftrain Rerefullion to that Expension of a Mass into a larger Bulk, which

refallies to that Expension of a Mass into a larger Bolis, when is friched by Means of Herr; All Expension from other Causes they call Dislatation. See Heart and DILATATION.

The Cartifician den may linch thing as absolute Rarefallion: Extension, with them, conditioning the Efficience of Marters, they are obliged to hold all Extension upon the See Extensions.

and PLENUM. Hence, they make Rarefalfies to be no other than an Ac-cellion of frein, fubtle, and infentible Matter, which entering the Parts of a Body, fentibly diffends them. See this different

under VACUUM. Tis by Rarefalliss that Gunpowder has its effects; and to the time Principle we owe our Angeles, Thermometers, &cc See Gunrowders, Thermometers, Allering, &c. The Degree to which the Air is rarefield exceeds all Imagina

tion: Merferones, long ago, by means of an intense Heat, found that Air might be parified, so as to possels more than 70 times

is former Space.

Mr. Day's directional domat, the Mr. by its own Eldistry, Mr. Day's direction of my Plats.

When the direction of my Plats, would death call the state of the state of principles of the plats of the state of t

when more reserve, is to its text when more concerned, as \$50000 to 1. See Compression.
Such an immense Restfollow, Six Iface Newton theore, is incomirable on any other Principle than that of a repelling Force inherent therein, whereby its Particles matually fly from one another. Sec ATTRACTION, 64.

This repelling Force he observes is much more considerable

in Air than in other Bodies, as being generated from the most fird Bodies, and that with much Difficulty, and fearce without Fermentation: Those Particles being slways found to fly each other with the most Force, which when in Contact, cohere the

ours with the most rence, wascen when it context, coner the most firmly. See Repetains-Pours.

The Members of the French Royal Academy have befrowed a world of Attention on the different Rangiallians, or rather the different Rangiallians. M. Marierse established this as a Principle, from Experiments, that the

Proportion of the Weights wherewith 'tis prefi'd.

Hence, supposing the Mercury in the level of the Sea sufpended to 28 Inches, which is the Weight of the whole Atpletted to 28 factors, which is the Weight or two Wold can bullyter, and then for Fort Height of Mar are equivalent to a lists, or 2, of an Inch of Mercury; to that the Elementer at Host or 2, of an Inch of Mercury; to that the Elementer at this point Height of All would be equal to a Scond, or any other Line of Mercury; For as 28 Inches of Mercury; 2 are to 28 Inches, to in the Height of Air corresponding to 8 Rocal Line of Mercury.

And after the filme manner may the Heights of Air corre-iptoding to each Line be found; which will make a Geometri-cal Progrefion, the Sum whereof will be the whole Height of the Atmosfober. Of confequence a certain Part of that Sum

un Almerfybrer. Of confequence a certain Part of that Sum will be the Height of a Mourtain at whose Top the Baromeer falls have fank a certain Quantity. See MONTYMAN. Desir Lights and Marsala, upon mendining the Heights of fortial Mountains, found that the Progettion of M. Marsalets, was desirine; that is always gave the Height of the Mountains, and desirine; that is always gave the Height of the Mountains, and focus from the Marsalets was the same and the Marsalets was the Marsalets and the Marsalets will be desirable to the Marsalets william to the Marsalets will be desirable to the Marsalets will be d ciple will only hold in the mean Rarefactions, not in the Ex-

tremes. See Air.

RAREFACTIVES, or RAREFACIENTIA, in Medicine, Remedies which open and enlarge the Pores of the Skin, to give an easy Vest to the Matter of Perspiration. See Perspira-

Such are Anife, Mallows, Pellitory, Camomile-Flowers, Line-

RASANT, in Fortification. Refour Rash, or Lise, is that Part of the Currain, or Flush, wheree the Stor emploid rate or opinion-flowing the first of the oponion fillation. See Flacking or Flush, the Carlot of the oponion of Inflictance Part (Rash), in Medicine, an Entropa on Efficience Part (Rash), the Medicine, an Entropa on Efficience Part (Rash), the Medicine, an Entropa on Efficience Part (Rash), the Control of Part (Rash), the Control of Part (Rash), and the Control of Corrections at Anthonion See See Structure of the Part (Rash), and the Control of Corrections at Anthonion See Works, Flush, RASPATORY, a Chirugopous Inflamment whereafth the Part (Rash), and the Control of Corrections or schedule Part (Rash), and the Part (Rash), a

nels, e.c. of several Kinds of Fruits, particularly Cherries and

nels, 6° c of Everia Kinds or France; procuently Cheffice and Appricacles.

Rands of Cherries, and

putting them into a Verilel wherein Brandy has been kept; then

adding to them the Kernels of the Cherries, with Strawberries,

Soaps, Gianamon, white Peoples, Numerge, Cloves; and to a

Pound of Cherries, 10 Quarts of Brindy.

The Veffel is left open to or 12 Days, then ftopp'd close, for two Months e're it be mor'd.

two Montas e'es it be appel.

Radigi of spowers in progrend two ways; ois, either by
boling the Aprinceics in white Wise, adding to the Liegar an
openal Quarry of Benardy, with Sugar, Cammann, More, and
out Quarry of Benardy, with Sugar, Cammann, More, and
to Days toon flatinging the Liegar and the spowers of the contraining the Liegar of the Cammann, of the Cammannn, of the Cammann, of the Cammann, of the Cammann, of the Cammann, of the Cammannn, of the C

RATCHETS, in a Watch, are the frual Teeth at the Bottom of the Barrel, which stop it in winding up. See Warest, RATE, a Standard, or Proportion by which the Quantity or Value of a thing is adjusted. See STANDARD. The Rares of Bread, ev. in Louden, are fix'd by Authority,

See Assist. The Rate of Intereft, as now eftablished by Law in England, is 4 per Cent. The Rate of Intereft in Italy is 3 per Cent. In Studen 6. In France 7. In Spain to. In Setland 10. In Barbaster 10. In Ireland 12. In Turky 20. See [NYTREST].

buder 10. In Feland 12. In The'ry 20. See INTEREST.

Low Rates of Interest advance the Prices of Land.

The Rates or Fares of Hackney-Coachmen, Chairmen, and
Watermen, are fird by Act of Parliament, 14 Car. II. See
HACKNEY-COACH, 674.

The Paris of Parliament 14 Car. III. See

The Rates of Exchange, Factorship, etc. are different. See

EXHANGE, FACTORAGE, &c.

EXHANGE, FACTORAGE, &c.

RATE-Tythe. When Sheep, or other Cattle, are kept in a 28-sith for left inner than a Year; the Owner must pay Tythe for them, pro rate, according to the Custom of the Place. See Тутив. RATE, of a Ship of War, is its Order, Degree, or Dillinell-

on, as to Magnitude, Bartheo, etc. See Surry, etc.

The Rate is usually accounted by the Length and Breadth of
the Gun-Deck, the Number of Tuns, and the Number of Men
and Guns the Veilel carries. A First Rate Man of Wat has its Gun-Deck from 159 to 174

Feet in Length, and from 44 to 50 Foot Broad; contains from 1313, to 1882 Tuns; has from 706 to 800 Men; and carries from 96 to 110 Guns. See Navy.

from 96 to 110 Cuns. See PAVY.

Second Rate Ships have their Gun-Decks from 153 to 165

Foot long; and from 41 to 46 broad; they contain from 1086

to 1482 Tuns; and carry from 524 to 640 Men; and from 82 to 90 Guns Third Rates have their Gun-Decks from 142 to 158 Foce in

Length; from 37 to 42 Foot broad; they contain from 871 to 1262 Tuns; carry from 389 to 476 Men; and from 64 to 80 Gons.

Faurth Rates are in Length on the Gun-Deck, from 118 to 146 Foot; and from 29 to 38 broad; they contain from 448 to 915 Tuns; carry from 226 to 346 Men; and from 48 to 60

Fifth Rates have their Gun-Decks from 100 to 120 Foot long;

Fifth Rate bare their Gam-Decks from 100 to 10 Fock long; and from 20 to 11 band; they contrib imm 350 to 154 Times, and from 20 to 154 Times and from 20 to 154 Times. The state of 24 Gami. Baris Rate have been feet Gam-Decks from 67 to 97 Fock long; that Rate Rate from 150 to 150 Hours; and from 16 to 24 Gami. Now, The ene-basid Ships are much larger, as well as better than the dol coses of the firmt Rate; where the double Numbers all shorts; the larger of which cryste the Proportions of the new-Ratin Ships, as to the firmt of the dol cost of the new-Ratin Ships, as to the firmt of the dol cost. The first Now Rate Ships are the Hardward Ships and the Hardward Ships and the Hardward Ships are the Hardward Ships as to the firmt of the dol cost.

RATEEN, or RATINE, in Commerce, a thick woollen Stuff, croft'd; wove on a Loom with four Treddles, like Serges and other Stuffs that have the Crofting. There are forme Ratiner drefs'd and prepar'd like Cloths; o-thers left famply in the Halt; and others where the Hair or Nap

is frized.

Ratines are chiefly manufactured in Praces, Halland, and Ita-ly; and are mostly used in Linings.

The Frize is a coarse Ratine; the Drugget a Ratine half Thread, Woo

RATIFICATION, an Act, approving of, and confirming fomething done by another, in our Name.

A Treaty of Peace is never fure till the Princes have ratified See TREATY. at. See TRRATY.
All Procuration imports a promife of Ratifying and approving what is done by the Proxy or Procurator. After treating with a Procurator, Agent, Factor, & A Ratification is frequently necessary on the Part of his Principal.
RATIFICATION is particularly used in our Laws for the Confirmation of Section 1.

RATHERATION is particularly used in our Laws for the Confir-mation of a Clerk to a Beoefice, Prebend, &c. formerly given him by the Bithop, &c. where the right of Patronage is doubted to

be in the King. RATIFICATION is also used for an Act confirming something we ir selves have done in our own Name. An Execution, by a Major, of an Act pass'd in his Minority, is equivalent to a Rati-

RATIO, REASON, in Arithmetick and Geometry, that Relation of homogeneous things which determines the Quanti into or nomogeneous imags which determines the Quantity of one from the Quantity of another, without the intervention of any third. See RELETION.

third. See RELECTION.

The homogeneous things thus compared, we call the Treas of the Ratio; particularly, that referr'd to the other, we call the Assistances; and that to which the other is reterr'd, the Confegurar. See Treas, etc.

Thus, when we confider one Quantity, by comparing it with another, to fee whit Magnitude it has in Comparison of that other; the Magnitude the found to have in Comparison thereof is call'd the Ratas, Reafan, of this Quantity to that; which fome think would be better express'd by the Word Compari-

for. See COMPARISON. jon. See COMPARION. Exclid defines: Ratio by the Habitude or Relative of Magnitude: of the Jane Kindia rispled of Quantity.—But this Definition is found defective; there being other Relations of Magnitudes which are conflant, yet are not included in the Number of Ra-tival; facils as that of the Right Sine, to the Sine of the Com-visus; facils as that of the Right Sine, to the Sine of the Com-

plement in Trigonometry.

Hobis endeavour'd to amend Earlis's Definition of Ratio, Habits endexional to merced Besleit, Definition of Ratio, but hampingly for in defining it, as the deep, by the Estimatory Man-mada in Magamba'; im Definition has not only the fact the Augustian of Resistance of State of Resistance of State of Resistance of State of Resistance of State of Resistance of Resis

Thus, if the Quantity A be triple the Quantity B; the Re-lation of A to B, i.e. of 1 to 1, is called the Ratis of A to B. If If two other Quantities, CD, have the firme Ratis to one ano-ther that A and B lawe, i.e. be triple one mother; this fame-nels of Ratis conflictute Properties: and the four Quantities A: B:: C:D, are in Properties; or Propertiesal to one canother

So that Ratio exists between two Terms, Proportion requires There is a twofold Comparison of Numbers: By the first, we

find how much they differ, i. e. by how many Units the Ante-cedent erceeds, or comes floor of, the Confequent. This Difference is call'd, the Arithmetical Ratio, or Exponent

of the Aritimetical Relation or Habitude of the two Numbers.

Thus if 5 and 7 be compared, their Aritbestical Ratio is 2.

By the fecond Comparison, we find how oft the Antece-

by the fecond Comparition, we find how oft the Antecedent contains, or is contained in the Confequent; i. e. as before, what Part of the greater is equal to the left.

This Rash's being common to all Quantity, may be call? Rashs in the General, or, by way of Emisence. But it is usually called Geometrial Rare's because expected, in Geometry, by a Line, though it cannot be expreded by any Number.

nal Numbers

nal Numbers.

Suppose, for an Illustration, two Quantities A and B; and let A be lefs than B. If A be substracted as often as it can be, from B, e, e. Five times, there will either be left nothing or foundthing. In the former Cafe A will be m B, as 1 m p; that e, e, e is contained in B five times; or  $A = \frac{1}{4}$ °B. The Retus, therefore, it retiremed to the substraction of the substraction o here, therefore, is rational.

In the latter Cafe, either there is fome Part, which be-

The Expense of a constitute Ratio is the Quotient using from the Drilling or the Internet and Patient the Expense of the Ratio of a to 3. He of the Ratio of a to 1. He of the Ratio of a to 1. He of the Ratio of a to 1. He of the Ratio of the Rati

If two Quantum or compared warout the intervention of a third, either the one is equal to the other, or unequal: Hence, the Ratio is either of Equality or Inequality. If the Terms of the Ratio be unoqual, either the lefs is referred to the greater, or the greater to the lefs: That is, either the lefs to the greater, as a Part to the Whole; or the greater to the less as the Whole to a Part: The Ratio therefore determines how often the lets is contained in the greater, or how often the greater contains the less, L a. to what Part of the greater, the less is

The Ratio the greater Term has to the left, e. gr. 6 to 3, is called the Ratio of the greater Inequality. The Ratio the left Term has to the greater, e. gr. 3 to 6, is called the Ratio of the

Term nast to the greater, when the first the General, or is ad-fight Insopathy.

This Reshe corresponds to Quantity in the General, or is ad-mixted of by all Kinds of Quantities, different or continued, Com-mentiumble, or Incommenticable. Different Quantity, or Num-her does likewise admit of another Resh. If the left Term of a Ratio be an aliquot Part of the greater, the Rano of the greater Inequality is fast to be Multiples, Mai-tiple: And the Katio of the left Inequality, Submultiple. See

ULTIPLE.

Particularly, in the first Case, if the Exponent he 2, the Ra-tio is call'd alops; if 3, triple, Sec. In the second Case, if the Exponent he 4, the Ratio is call'd Subdople; if 4, Subtriple, E. gr. 6 to 2 is in a triple Ratio; because 6 contains two thrice.

On the contrary, 2 to 6 is in a Sustriple Rario, because 2 is the third Part of 6. See Durke, Sundurks, &c. thmid Part of 6. See Duple, Suaduple, etc.

If the greater Term contain the left once; and over and above, an aliquot Part of the fame; the Ratio of the greater Inequality is call'd Superparticularit; and the Ratio of the left Sa6-

Particularly, in the first Case, if the Exponent be 1 1, it is call'd Sofquialterate; if 3 1, Sofquiterite, &c. In the other, if the Exponent be 2, the Katlo is call'd Subfiguialtera; if 2, Sub-

E. gr. 3 to 2 is in a Sefquialterate Ratio; 2 to 3 in a Subfec-

qualitate.
If the greater Term contain the left once, and over and show feweral aliquor Parts; the Ratio of the greater Inequality is called Superparties; that of the left Inequality, Subject partieum, Particularly, in the former Cole, if the Exponent he 1.7, the Ratio is called Superipartiess terms; if the Exponent he 1.7, the

pertripartiens quartar; if 1 \$, Superquadripartiens feptimar, See In the latter Cafe, if the Exponent be \$, the Ratio is call'd Sub-Superbipartiens tertias ; if 4, Subsupertripartiens quartas ; if 3, Subsperquadiparties sprims.

E. gr. the Rasso of 5 to 3 is Superbiportiess tertias; that of 3 5. Subfigerhipartiess terrist.

If the greater Term contain the lefs feveral times; and, be-

couldn't edit! Adults's figuration; that or too enamy, the couldn't edit of the enamy of the first state of

whereof, though they occur but rarely among the modern Wri-ters, (for in heu thereof they use the smallest Terms of the Ra-siss, e. gr. for dayle, 2. 1, for fifth interest, 3: 2) yet are they absolutely occularly to such as converse with the antient Au-

Claviar observes, that the Exponents dee of the greater Inequality, both in Deed and Name; but the Ra-tio's of the less Inequality, only in Deed, not in Name. But 'tis eafy finding the Name in thefe; if you divide the Den of the Exponent, by the Numerator.

E. gr. if the Exponent be 4r then 5:8 = 14; whence it musition, Bread, Drink, or Forrage, difficiented to each Soldier and Scannan for his daily Sublattence. See AMMUNITON, appears the Ratio is call'd Subfortripartiess quintes.

As to Names of Irrational Ratios, no-body ever attempted ebem.

Same, or Identic Ratio's, are those whose Antecedents have an equal refpect to their Confequents, i. e. whose Antecedents have an equal refpect to their Confequents, i. e. whose Antecedents divided by their Confequents, give equal Exponents. See IDEN-

And hence may the Identity of Irrational Ratio's be concei-

Hence, First, as oft as the Antecedent of one Ratio conta is Confequent, or what ever Part it contains of its Confequent, to only or such Part of the other Confequent does the Ancecdent of the other Ratis contain: Or, as oft as the Antecedent of the one is contain'd in its Confequent, so oft is the Antece-

of the one is contained in its Contequent, 20 of the the Antecedent of the other constant in its Contequent. Sensity, If A be to B as C to D, then will A: B:: C: D; or A: B= C: D. The former of which is the dual Manner of representing the Identity of Rath's; the latter is that of the continuit Holling which has the Advancage of the formers, in that the middle Character =; which denotes the funeracting is facinitied. It is expected to the Relation of the tolking representacy, which the er: : does not. See CHARACTER-

Hence, we express a greater and lefs Ratio thats. E. gr. 6 to 13 has a greater Ratio, than 5 to 43 for, 6:3 (=2) > 5:4 (=1.2). But 3 to 6 has a his Ratio than 4 to 5, for  $\frac{1}{6} = \frac{1}{6}$ The Ratio is faid to be compounded of two or more other Ra-

Pain's has to the Factum of the Antecedents of two or more

Pain's has to the Factum of their Confequents. Thus 6 to 7 is Reaves mus to the Paccum of their Contropertor. Thus 6 to 7 pp. in Ratio compounded of 2 to 6, and 3 to 11.

Particularly, if it be compounded of two, it is call of a Dybinet Reaves, if of there, a Topicate; if of from, Ounderglotars; and in the general Mediciplestes, if it be composited of leveral to make Reaves. Thus 48:3 is a definet Reaves Lease of 4:1.

12:3-

### Properties of Ratio's of Quantities.

Foft, Ratio's fimilar to the fame third, are also fimilar to one another; and those timilar to Similar, are also fimilar to one another.

either. Secondly, If A:B = C:D; then, inverfely, B:A = D:C. Thereby, Similar Parts P and p have the fame Ratio to Wholes T and t; and if the Wholes have the fame Ratio, the Parts are nilar.

or equal things, are equal: # whe verfa.

Sixthly, If you multiply any Quantities, as A and B, by the fame or equal Quantities; their Products D and E will be to each and B other as A

Seventhly, If you divide any Quantities as A and B, by the fame or equal Quantities, the Quotients F and G will be to each other as A and B.

Eighthly, The Exponent of a compound Ratio is equal to the Fatum of the Exponents of the imple Ratio. See Expo-

Mintbly, If you divide either the Antecedents, or the Confe-turns of fimilar Ratio's, A: B and C: D by the fame E; in the former Cafe, the Quotients F and G will have the fame Ratio to the Confequents B and D; in the latter, the Antecedents A and B will have the fame Ratio to the Quotients H and K.

num is with more the stone Karos to the Quotients H and K. Transby, H there be feveral Quantities in the fame continued Ratio A, B, C, D, E, ex. the linth, A is to the third, C, in a Applicate Ratio, to the fourth, D, in a Triphilate, to the first h, in a Squadraplicate, &c. Ratio of the Ratio of the first. As to cond, B.

Eleventhly, If there be any Scries of Quantities in the fame Ratio, A. B. C. D. E. F. & a the Ratio of the first, A<sub>1</sub> to the last, F, is compounded of the lotermediate Ratio's, A: B, B: C, C: D, D: E, E: F, &.

Tuelfiely, Ratio's compounded of Ratio's, whereof each is e-qual to another, are equal among themselves. Thus the Ratio's 90:3=960:31 are compounded of 6:3=4:2, and 3:

(94) to another; are equa among outmovers. As a many of the property of t

RATION, ie the Forces, a Pittance, or Proportion of Am-

The Rations of Bread are regulated by Weight.-The Officers have several Ratissus according to their Quality, and the Number of Attendants they are obliged to keep.

The Horse have Rations of Hisy and Oses, when they cannot be out to Forrage.—The Ship's Crews have their Rations of Bisket, Pulie, and Water, proportion'd according to their Stock-When the Ration is augmented on Occasions of Rejoycing,

it is call'd double Ration It it can desear Katasa.

The utian Kansa at Sea, particularly among the Portageze, &c. is a Pound and half of Bakee, a Plint of Wine, and a Quest of freth Water per Day. And each Month an Arrobe or 31 Pound of Sale Mest, with form dried Pilh and Onions.

Some write Racies, and Dorrow the Word from the Spanifly

Parts of the Sca they call it Reafine.

RATIONABILI parts bosserum, a Writ which lies for the

against the Executors of her Husband denying her the thard Part of her Husband's Goods, atter Debts and Funeral Expences paid. See Goods.

process just. See Goods.

Bittelnerier quotes Mages Charin and Glavailla, to prove that
by the Common Law or Bugliach, the Goods of the deceased,
but Decis affly jud. See Mandach of carlot of lower Every whereon
a third and the Charing Charing Charing and the Charles,
che a the Wile. But it form only to obtain where the Calmon
of the Constry makes for it.

RATION/BILES Experige. Resiliently Experit; the Commons in Fathamens, as well as the Feodors of the Charje a Conford of the Charles of the Charles of the Charles
of the Charles of the Charles
of the Charles of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the Charles
of the

fuch Allowance as the King, confidering the Prices shall judge meet to impose on the People, to pay for the Sub-fishance of their Representatives. See REPRESENTATIVE, &c. final jadge meet to impose on us a section of the finance of their Representatives. Cris.

This is the 17th of Eduard II. was to Gross per Day for Kinghat, and 5 for Bargelfa. Alterwards, Shillings a Day for Kingha, and 2 Shillings for Burgelfa; which was then deemed as ample. Retribution both for Expences, for Labour, Attentional Confession of the Company of the Company of the count Allisis, Sc. See Parlamance.

an ample. Kenthation both for Expenses, for Labous, Amen-dance, Negleck of their own Affairs, &v. See ParkLAMENT. RATIONABILIBUS design, is a Wirt that lies where two Looks have the Seigneaties joining together, for him that finds his Waltenerouched upon, within the Memory of Man, against the Encoucher, thereby to rectify the Bound of the Seignea-nies: in which Kelpock Parkenters calls is, in its own Nature, a Wirt of Right.

RATIONAL, Reafemble. See REASON.
RATIONAL, or true Horizon, is that whole Plane is conceived to pais through the Centre of the Earth; and which therefore dividenthe Globe into two equal Portions, or Hemispheres. See HORIZON

Tis call'd the Rational Horizon, because only conceived by the Understanding; in opposition to the finfale or apparent Ha-rizon, which is wildle to the Eye. See SENSIBLE. RATIONAL Quantity or Number, a Quantity or Number Com-entingable to Unity. See NUMBER and UNITY.

Supposing any Quantity to be 1, there are infinite other Quan-tities, some whereof are Commensionable to it either simply, or in Power; these Euclid calls, Rational Quantities. See QUAN-

The rest, that are Incommensurable to 1, be calls, Irratimal nantities, or Suras. See SURD.

SQuantities, or Savai. See NURD.

RATIONAL Lattery, or whole Number, is that whereof Unity is an aliquot Part. See NUMBER and ALOGOT Part RATIONAL Profilings, or breaken Number, is that equal to forme aliquot Part or Parts of Unity. See Franciscom.

RATIONAL winest Number, is that conditions of an Integer and a factor of the part of the par

raction, or of Unity, and a broken Number.

Fraction, or of Unity, and a brotten Number. Commensional Cognition are defined by being to one ano-ther, at one Raiswal Number to another. For Unity is an allowor Far of Unity; and a Fraction has fome almore Fart common with Unity; In things, therefore, and are as a Raiswal or a Raiswal Number, either the one is an all-quot Far of the other, or there is fome common almost re-of both. Therefore they are Commensionable. See Commen-RABLE.

Hence, if a Rational Number be divided by a Rational, the

CONTROL II a Katsual Nutrior of cursons by a Rational, the Quotient is a Rational, is a Ratio whose Terms are Rational Quantities; or a Ratio which is so one Rational Number to another, s. p. as 3 to See Ration. The Exponent of a Rational Ratio is a Rational Quantity.

RATIONALE, an Account, or Solution of fome Opinion, Action, Hypothesis, Phenomenon, or the like, on Principles of

Neurol.

Hence Rationale has become the Title of feveral Books; the most considerable is the Rationale of the Divine Office, by Guill. Durander, a celebrated School Divine, Bithop of Mende; finished in 1866, as he himidir tells us.

RATIONALE, is also an antient facerdotal Vestment, the High-Priest under the old Law; and call'd by the Helo

bhother; by the Greeks hopen; by the Latins Rationals and Pollo-rals; and by the English Translators, Breaft-Plate. See Pac-See Pro-TORALE.

The Rationale was a Piece of embreider'd Stuff were on the

Breath, about a Span-square.

Du Cauge describes it as a double Square of Thread of four Colours, interavore with Gold, and set with twelve precious Stones in four Rows, whereon were engraven the Names of the twelve Tribes; and faften'd to the Shoulder by two Chains and two Hooks of Gold.

The Form of the Rationale was prefcribed by God himfelf,

Expl. 28. The Rationale appears to have been also antiently wore by the fluors under the new Law. But Authors are in doubt about DERIOPS under the new Law. But Authors are in doubt about its Form; fome will have it refemble that of the Jew; others take it to be only the Pallam. See PALLIUM. RATIONALIS, an Officer mentioned in feveral antient In-

feripcions

Lampridus, in the Life of Alex. Severus, ules Rationalis as fynonimous with Procurator. See PROCURATOR.

The Rationales were Intendents, or Surveyors under the Emthermolytic processing of the Procurator of the Pr

ADD AGRESSIAN WATER INTERCAURTS, OF OUTVEYOR'S WIGHT (IREAL)
PEPCORS, and through Lengthids pretends they were fairly clabbilitied by Servers; 'dis evident there were forme under Angolau.

RATIONIS Or, in Anatomy, the Bone of the Fore-head, otherwise call'd Or Frontis. See Recents.

RATILES, among the Anticosts, was accounted a Musical in-

ftrument, of the pulistile Kind; call'd by the Romans, Crepitaes

Mr. Malonio takes the Tistirnalalum, Crotalum, and Sight to have been only to many different Kinds of Rattles. CROTALUM, SISTRUM, &c.
The Invention of the Rattle is afcribed to Archytas; whence

Arifitelic calls it, septim whereve, Arthytor's Rattle.

Dispersional adds the Occasion of the Invention; viz. that ha-

ving Children, he contriv'd this Inftrument to prevent their tum-bling other things about the House. So that how much soever fome inframeous have chang'd their uses, the Rattle we are fure

RATLINES, or as the Seamen call them, RATLINGS; those

Lines which make the Leader Steps, to get up the Stronds and Puttods: Hence call'd the Rathuy of the Stronds.

RAVELIN, in Fortification, was antiently a flat Buffice, placed in the middle of a Cartain. See Barrion and Currain. Tis fince made a detach'd Piece, composed only of two Faces, which make a Salient Angle, without any Flanks; and raifed b fore the Cartains or Counterfearp, and commonly call'd an Half-

A Ratella is a Triangular Work refembling the Point of a Buttion, with the Flanks cut off.

Its use before a Curtain, is to cover the opposite Flanks of the two next Buttions. 'Tis used also to cover a Bridge or a Gate;

two next Ballians. Tis used also to cover a Bridge or a Gate; and is always pixed without the Most.

What the Engineers call a Revenie, the Soldiers generally call a Donsi-Laus, or Half-Moss. See Dishi-Lunis, &c.

There are also double Revenies, which ferre to defend each other. They are fail to be double when they are fail to be

RAVISHMENT de Gard, is a Writ which lies for him who

took from the Guardian, the Body of his Ward. See GARD, GUARDIAN, WARD, &c. RAVISHMENT, in Law, an unlawful taking either a Woman, or an Heir in Ward

Someomes it is also used in the same Sense as Rove.

RAY, RADIUS, in Opticks, a Line of Light, propagated from RADIANT, OY.

Sir Ifiae Newton defines Rays to be the least Parts of Light, whether faccessive in the same Line, or Cotemporary, in seversi Lines For, that Light confilts of Parts of both Kinds, appears hence

that one may stop what comes this Moment in any Point, and let pass that which comes the next; and again, may stop what comes in this Point, and let pass that in the next. Now, the leaft Light, or Part of Light which may be thus stopped alone Is a Ray of Light

If the Parts of a Ray of Light do all lie firsight between the Radiant and the Eye, the Ray is faid to be divelt: The Laws and Properties whereof make the Subject of Opticle. See Ov-TICES.

If any of them be turned out of the Direction, or bent in their Passige, the Roy is said to be refrated. See REFRAC-If it firlie on the Surface of any Body, and be driven back, is faid to be reflected. See REPLECTION.

it is faid to be refletted. In each Cafe, the Ray, as it falls either directly on the Eye, or on the Point of Reflection, or of Refraction, is faid to be Incident. See Incidence Again, if everal Rays be propagated from the Radiant Equi-dihantly from one another, they are call'd Parallel Rays. See PA-

If they come inclining towards each other, they are call'd Converging Rays. See Converging.

And if they go continually receding from each other, they are call'd deverying Rays. See Diversione.
"The from the Carcamthances of Rays, that the feveral Kinds of Bodies are diffinguished in Opticles. A Body, e. gr. that dif-

fules its own Light, or emits Rays of its own, is call'd a Lucidior Lansinus Body. See LUMINARY. If it only refices Rays it receives from another, it is call'd an

If it only transmit Roys, it is call'd a transferrest Body. See

If it intercept the Rays, or refuse them Passige, it is call'd an take Body. See Opacrev. Hence, no Body Radistes, i. e. emits Rays, unless it be either Opake Body.

Hence, no Body Radiance, i. e. cents ways, uncer it be enser luminous, or dissensed. See Radiation.

This by means of Rays reflicted from the feveral Points of ill-lumined Objects to the Eye, that they become enfish, and that Vifion is performed; whence fach Rays are called enfisal Rays.

See VisitAL. In effect we find that any Point of an Object is feen in all Piaces to which a right Line may be drawn from that Point: Ber it is allowed, nothing can be feen without Light, therefore every Point of an Object diffusies immunerable Rays every way. See VISUAL. Again, from other Experiments it appears that the Images of all Objects, whence right Lines may be drawn to the Eye, are painted in the Eye, behind the Cryftallin, very fmail, but very

Conthill And lastly, from other Experiments, that each Ray carries with it the Species, or Image of the radiating Point: And that the fe-veral Rays emitted from the fame Point are again united in one

Point, by the Crystallin, and thus thrown on the Retina. Tis the Spiffitude, or closeness of the Roys emitted from a lu

misous Body, that conflittees the Interfereft of the Light. Yet the Direction wherein the Rays firste the Eye, have a good the Derection wherein the Keys tiriske the Eye, have a good Sway. In effect, a Perpendicular Ray, finking with more force than an Oblique one, in the Ratio of the whole Sine to the Sane of the Angle of Obliquity, (as follows from the Laws of Perugliw) a Perpendicular Ray will affect the Eye more vividly than an Oblique one in that Ratio.

than an Oblique one in that KANO.

If then the Spillfude of the Rays he equal, the Intensity will be as the Direction; if the Direction be the fame, the Intensienth will be as the Spillfude. If both differ, the Intensienth will be in a Ratio compounded of the Direction and the Spilling.

Hence, First, If Light be propagated in Parallel Rays thro' an areasting Medium, its Intensity will not be varied by Diffance. Secondly, If Light he propagated in diverging Rays, thro' an un-refulting Medium, its Intentity will decrease in a duplicate Ratio of the Diffusees from the radiant Point, reciprocally. See Qua-

Thirdly, If Light be propagated in converging Rays through an unrefitting Medium; its Intentity will increase in a duplicate
Ratio of the Diffances from the Point of Concourfe, recipro-

Foorthly, If the Breadth of an illuminated Plane he to the Difrance of the radiant Point, as 1 to 2000000, 'is the fame thing as if the Rays struck upon it Parallel: And hence, fince the Dia 38 if the ways intence upon it remains. Also never, times too Loss-meter of the Pupil of the Eye, when largefly fearce exceeds 3 of an Inch; the Rays will fall upon it Parallel, as to Sense, as the Distance of 3860 English Feet, which is searly 6 Furlongs. See LIGHT.

The effect of Concave Lenies, and Convex Mirrors, is to make The effect of Concave Lennes, and Cenves outrons is to make Parallel Ray a diverge; converging Ray, become Parallel; and diverging Rays to become more divergent. See Miracoura.

The effect of Convert Lenles, and Concave Mirroura, is to make Diverging Rays become Parallel; 4 Parallel Rays become Convergent, and Converging Rays to Converge the more. See

The Rays of Light are not Homogeneous, or Similar, but differ in all the Properties we know of, viz. Refrangibility, Reflexibility, and Colour. See REFRANGIBILITY, of C. Tis probable from the different Refrangibility, that the other

The processe from the convergence reconsequency, used the cases. Differences have their Rife; at leaft it appears, that those Reys which agree or differ in this, do fo in all the reft.

Thus from the different Sensations the differently disposed. Rays excite in us, we call them, red Rays, yellow Rays, &cc.

COLOUR.

The effect of the Prifix is to fearnize and for the different Kinds of Regs, which come blooded promifenously from the Sun; and to throw each Kind by it felf, according to its Degree of Refrangibility and Colour, Red to Red, Blue to Blue, &c. See PRIM.

Belides, Refrangibility, and the other Properties of the Rays of Light already afectrained by Observation and Experiments, Sir Hast Neuton support of the Area of the

likewife to differ in this Flexibility.

In paffing by the Edges and Sides of Bodies, he conceives that
the Rays may be bent feveral times backwards and forwards, with a Motion like that of an Ecl; and that those Rays which falling on Bodies are reflected or refracted e're they arrive at the Bodies And adds, that they may be refracted, reflected, and inflected, all on the fame Priociple, acting in different Curcumstances See [NFLECTION, 64.

ISFLECTION, 64.
Again, Do not the Rays filling on the Bostom of the Eyecacite Vibrations in the Kertina, winch being proquated along the
Elipson of the Optic Nerveint to the Beain casel Window
February of the Control of Servering Control of Servering
Executions of Rays make Vibrations of Everal Biguettles, which
makes Sentiations of Iseveral Colorum, much after the manner as
the Vibrations of the Aft, according to their feveral Biguettles
Executions of Feveral Sounds? See Sources.

exercise sentantons of reversa Soundar's See SOURS.

Particularly, don't the most refiningible Roye excite the thortest the Retinagation of the sent resident of the Retinagation of a deep Red? And the fact the Retinagation of a deep Red? And the fact the Retinagation of the Red? And the Retinagation of the retination of the Red?

And the Feed Interest Kennistons of the intermediate Co
remendate Bigent Interest Kennistons of the intermediate Co-

And may not the Harmony and Discord of Colours arise from the Proportion of these Vibrations; as those of Sound depend on the Vibrations of the Air; For some Colours, if viewed together, me agreeable, as Gold and Indigo; others Diffigreeable? Scc

Again, Have not the Rays of Light several Sides endued with veral Original Properties? Every Ray of Logic has two opposite Sides, originally endued with a Property whereon the unusual Refraction of Illand Cry-tial depends; and other two opposite Sides not endued with text Property. See CRYSTAL.

Liftly, Are not the Rays of Light very fmall Bodies emitted om fluning Substances?

Such Bodies may have all the Conditions of Light: And there is that Action and re-action between transparent Bodies and Light, which very much refembles the attractive Force between other Bodes. Nothing more is required for the Production of all the various Colours, and all the Degrees of Refraughlifty, but that the Ray of Light be Bodies or different Sizes; the least of which may make Violet, the weakerly and darker of the Colours, and be the most easily diverted by refracting Surfaces from its rectilinear Courte; and the relt as they are bigger and bigger, may make the stronger and more lucid Colours, Blue, Green, Yellow,

and Red. See VIOLET, RED. & Nor is any thing more requisite for the putting of the Rays into Fits of easy Redersion, and easy Transfinishion, than that they be fould Bodies, which by Attraction, or some other Force, excite Vibration in the Bodies they act upon; which Vibrations be-ing (wifter than the Rays, overtake them facceffively, and agitate them to as by Degrees to increase and decrease their Velocity, and thereby put them into these Fits. See Transatisation.

Lastly, The unusual Refraction of Island Crystal looks very

much as if it were perform'd by forme attractive in certain Sides both of the Rays and the Cayital. e Virtue lodg'd

Common RAY, in Opticks, is fornetimes used for a right Line drawn from the Point of the Concourse of the two Optical Axes, through the middle of the right Line which passes by the

Centre of the Pupil of the Eye. See Axis.

Principal RAY, in Perspective, is the Perspendicular Diffunce
better the Eye, and the Vertical Plane, or Table, as fome
call it. See Parapactive.

Pyramid of RAYS. See PYRAMII Pencil of RAYS. See PENCIL.

RE, in Grammar, &c. an infe parable Particle, or Preposition, added at the beginning of Words, to vary, double, or other-wife modificative Re was first introduced by the Latins, from

whom it is borrow'd into most of the modern Tongues. Prif-tin derives it from retry, backwards; others rather derive retry from re; others derive re from the Greek file, easy, or from pies,

The effect of the Re is various: ufually it fignifies again, rar-fue, aux; as in re-joyn, re-fign, re-fame, re-courie, re-bound, re-ete, re-hear, re-cognize, re-compare, re-double, re-linquish,

Sometimes it flunds for contra, sirr, against; as in re-inclance, Sometimes it thinks for contra, wire, algangs is an re-increase, rectament, re-clinic che.

Sometimes for bits, figure, overs, as in re-dundant; fometimes for wish, slager, for as in re-moving, che.

Re. in Munck. See Novre.

REACH, in the Sea Language, the Diffunce between any two Points of Land that lie in a right Line one from anomalo of Land that lie in a right Line one from anomalo of the contract of the c

RE-ACTION, in Phylicks, the Action whereby a Body act-ed upon, remms the Action, by a Reciprocal one, upon the A-gent: See Actron.

The Peripareticks define Realition to be that which a paffive Bo-

An termination of the transition of the transiti It was known, even in the Schools, that there is no Action in

Nature, without Readings; and it was a Maxim among them.

But the Equility of the Adione was not known: Sir I. New fasse chibality it as one of the Laws of Nature, that Adions and Readiss are equal and convery; or that the mutual Adions of two Bodies funding one against another, see eachly could, but in contrary Directhour; or in other Words, that by the Adion and Readiss of Equipment of the Adion and Readiss of Equipment on the Readiss of Equipment of of contrary Directions; or in other Words, trait by the Actions axis Realists of Bodies one on another, there are produced equal Changes in each; and those Chineges are impress' towards directly contrary Parts or Ways. See Law of "Nature.

Thus, whatever Body presses or draws another, is equally press or drawn by it again; If any one press a Stone with his

Finger, his Finger is much prefet by the Scone.

If a Horfe by a Rope, &c. draw a Stone, the Horfe will be equally drawn by the Stone; for the Rope being ftretch'd hoth ways alike, endeavours to relax itelf again, and by that meins raws the Horie towards the Stone, and hinders the Progression of the Horie, as much as it forwards that of the Stone

If any Body fittiling against another, doth by its Force any way change its Motion, it stiff will undergo the same Change in its own proper Motion, but towards a contrary Part; from the Realists of that Body, and the Equility of its mutual

reffion.

Prefilion.

By three Actions are produced equal Changes, not indeed of
the Velocities, hat of the Motions of Bodies; (that is, of fash Bodies as have no impediment any other way) for the Changes of
their Velocities being made rowards contary. Parts, (because the
Motions are considered and acceptance of Porportional to the
Motions are considered and produced and proportional to the Motions are equally observed are reciprocally Proportional to the Bodies themfelves. See Motron.

Mexicos us equally shound as reciprocally Propuriousle on the Bolton themiles. See Morrow. 
Readings, by confronting the various Readings of the feveral Ma-nufcripts, and confidering the Agreement of the Words and

The various Readings in the Bible and Classic Authors, are aloft innumerable.

most innumerable.

Readenage are also used for a fort of Commentary or Gloss
on a Law, Text, Passage, or the like; to thew the Sense an
Author takes it in, and the Application he conceives to be made

RE-AFFORESTED, is where a Forest having been disafforested, is again made a Foreft; as the Foreft of *Dran* was by an Act of Parliament in the 20th of King *Charles* II. See FOREST, AF-

POREST, DISAFFOREST, &c.

RE-AGGRAVATION, in the Romio Ecclefishical Law,
the last Monitory, published after three Admonitions, and before

the art voluntory, pubmiced arter three Administrations, and become the list Excommunication. See Montroot v. Fire they proceed to fulminate the last Excommunication, they publish an Aggravation, and Reaggravation. Rever observes, that in France the Minuster is not allowed to come to Reaggravation, without the Permittion of the Bahop or Official, as well

REAL, REALS, is applied to a Being that actually earlis; in which Senfe it coincides with Adhad. See Actual. See affecting that actually earlis; in which Senfe it coincides with Adhad. See Actual. REALITY.

salvir.

Real, in Law, is opposed to Perfinal.

Real Efface, is that consisting in Lands, Tenements, &c. See

Real Allien, that whereby the Plaintiff lave Title to Land, ebe.

See Acrton.

Cuftoms are fail to be real; that is, they determine all Inheritances within their Extent; and none may diffuse of them, but according to the Conditions allow'd by the Cuftoms where they are fittante.
REAL Horizon. See Horizon.

REAL MONEAU. SE CHORLON.
REAL or RIAL SE PRAYER
REAL OF RAYER SEASON SHOP Coing being the eighth Part of the Philter or Piece of Eight. See PLAYER.
The Real is equal to abant Ste-pence a beeting. See Coar.
The Silver Real is equal to 34 Silver Maravedis; the Copper
Real to 34 Copper Maravedis, which only amount to 18 Silver
Maravedis. See Maravelin. There are also Reals of Eight, Reals of four, Reals of two,

d half Reals. The Reals of eight are the Pusters; those of four, half Pia-

front, 6v. Great Quantities of Reals, or Reals of Eight, are carried into Great Quantities of Reals, or Reals of Eight, are carried into the Eugli-Indian, where they are divided into three Califes, and Chapiete around, whereaf 100 are Current for 214 Roupius for forand, known by the largencie of its Beals, Current 12 124 Roupius for 100, and the new 21 20 & Roupius for 100 Reals. II, Or.

See ROUPIA.

The Word in the Original Spanish, Reale, fignifics Reyal.

The Word in the Original Spanish, Reale, fignifics Reyal.

REALGAL, or RITALOAL, a Miceral; a kind of red Arteric, differing from the common Arteric, which is white; and from

II M

from Orpittent, which is yellow. See Arsente and Orpittent.
There are two Kinds of Resign, the one natural, and the other facilities: The Natural is calcined in the Mine by the fabterrineous Fires: The Factit ious, which is the m is calcined by a common Fire.

Some able Druggilts doubt whether there be any fach thing as a native Realizat.

The Realgal is a violent Poison; yet less Caustie than the com-on Artenic. Tis of some use in Chirurgery. See Ar-

mon Arfenic.

SENIC.

In the Hildory of the French Academy, we have an account of a Cup brought to Paris by the Embalfadors of Slass, and pre-ferred there, as a Remedy laded by that People against all Discusse. Upon an Examination, which had like to have coft M. Hendery dears, he found it to be a kind of Realgal, or trod Arfants, more Caulib than oues.

Its use, among the Statops, he takes to have been the fame with that of Regular of Antimony; was, to give an emeric Qua-

with that of Regulus of Anninony, was, to give an emetic Quantity of the Wine demission of it, may be from the form of the total Zone than attempt and the total Zone than attempt as, the total Zone than attempt as, the total Zone than attempt as, the behavior, being versury times a great as that among us) has very possible as Cap of Redolph though enough to among us) has very possible as Cap of Redolph though enough to among us) has very possible as Cap of Redolph and though enough to REALISE, in Consumerce, a Term talke known in Trade before the Year 1719, when thode immonsib Fortunes begin to be made in Farous and England. Ye the Ensitted for Ackbers or made in Farous and Englands, yet the Ensitted for Ackbers or Stock

By Realifur, is meant the Precaution many of those who had o'd most, took, to convert their Paper into real Effects, as into Current Species.

ano Lurreit Opcies.

A Presenton, canable of raining the State; but which the Rod Present Regency had the Wilston to fruithere, by taking proper for the Rod Regency had the Wilston to fruithere, by taking proper termed to the Public Long, that ready to be baseded up, serunded to the Public Long, that ready to be baseded up, REALISTS, a Sec. of School Pledotybers, form'd in opportion to the Nomingalify. See Noximalist. To "Curiote the Rodgly are included the South, Tought, and all properties the Publications of Sciences." Thousants, opening the Publication of Orders.

Their dillagaling Tenes is that Understan or Rosen. See SOCIETY, 1000MTN—
Their dillagaling Tenes is that Understan are Raulinas, or, as have an abut Emittence, or of 1 Mea and Imagenizari, or, as the Names of Conceiving Lines, See Universation, or, as the Manuel of Conceiving Lines, See Universation, Conceiving Lines and L call Permalities.

Thus, e. gr. in a Mun, according to the Doctrine of the Sec-tiffs, are a Number of Realities, viz. a Subflance, Lafe, Animal, and Reafon.

trait, and Kesson.
Some diffringuish Reality into Subjective and Objective.
REALM, a Kingdow; or a Country which gives its Head or
Covernoor the Denomination of King. See King, MONARCHY, GOVERNMENT, &c.
The Word is form'd of the French, Rayanous, which denotes

the fame thing.

REAR, a Term frequently used in Composition, to denote fornething behind or backwards in respect of another; in opposition to Fan, or Fant, before. It is form'd by Corruption of the French, Arrive, fignifying

the fame thing. REAR, in a military Senfe, is used for the Hind-part of Army, &. in opposition to the Front, or Face thereof. See

REAR-Guerd, is that Part of an Army which marches laft; following the main Body, to hinder or frop Deferters. See

REAR-Half-Files, are the three hindermost Ranks of a Battal-lion, when it is drawn up fix Deep. See File.

hons, when it is diven up in Deep. See Fil.s.

REAR-Ling of an Army encamped, is the fecond Line; it lies shout four or five hundred Yardo Dilbart from the first Line, which is call'd the Referve Line. See LINE.

REAR-Reaks, it he laft Rank of a Bestallion, or Squadron, when drawn up. See RANK. 

Reagon is, properly defined, that Principle, whereby, compa-

ing feveral Ideas together, we draw Confequences from the Re-ations they are found to have. See Lora, and RELATION. Some of the later School Pholosphers define Resion the Com-prehension of many Principles which the Mind fucceffied; can conceive, and from which Conclusions may be drawn.

Others conceive Reason as no other than the Understanding if

felf, confidered as it discourses. See Understanding and DISCOURSE

Charvis thinks it is better defined, a very diffusive, innate No-ion or Idea, esting from a continued Attention. Reafiss, Mr. Lock observes, comprehends two diffuset Facul-ies of the Mind, von. Seguitty, whereby it finds intermediate

ties of the Mind, wes. Sassisty, whereby it finds intermediate likes; and Illanes, whereby it is one and differed or them as discussed in the sassistence of the sast of the s

nection, on which it gives or withholds its Affent; as in Opinion. See Knowledge and Opinion.

Senfe and Intuition reach but a little way: the greatest Part of ur Knowledge depends upon Deductions and intermediate Ideas. In those Cases, where we must take Propositions for true, withon being certain of their being 65, we have need to find out, ex-amine, and compare the Grounds of their Probability: In both Cafes, the Faculty which finds out the Means, and rightly applies them to discover Certainty in the one, and Probability in the other, is that which we call Region.

To Reason, therefore, we may consider four Degrees: First, be discovering and finding out of Proofs. See INVENTION.

Seeinally, The regular and methodical Disposition of them, and laving them in fuch Order, as their Co

alying term in new orders, perceived. See Mexiston.

Thirdly, The perceiving of their Connection; and, Fourthly, The making a right Conclusion. See Conceu-

Reason fails us in several Inflances: As, First, Where our Ideas
fail. See IONORANCE.

Secretary, It is often at a loss because of the Obscurity, Con-fusion, or Imperfection of the Ideas it is employed about: Thus, having no perfect Idea of the least Extension of Matter, nor of Infinity, we are at a loss about the Divisibility of Matter. Throlly, Our Reason is often at a flund because it perceives not those Ideas which would serve to shew the certain or probable A-

greement or Difagreement of any two other Ideas.

Fastishy, Our Rasfin is often engaged in Abfurdities and Diffi-culties, by proceeding upon falle Principles, which being follow-ed, lead Men into Controllclions to themselves, and Inconsist-

ed, Irad Men into Contradictions to themselves, and Inconsist-cery in their own Thoughts. 18/18/19, Dabious Words, and uncertain Signs, often puzzle Meris Kengles, and bring them to a Non-Jus. Though the deducing one Proposition from another, be a great Part of Regies, and that about which is is usually employed; yet the principal Act of Ratiocination is the finding the Agreement or Difagreement of two Ideas one with another, by the Intervention of a third. As a Man, by a Yard, finds two

the intervention of a third. As a Man, by a Yard, finds two Hondes to be of the fine Length, which could not be brought together to mesfare their Equality by Justa-Pofition. Words have their Conséquence as the Signs of fach Mesa and Tiaga agree, or difagree, with what they really are; but we observe it only by our Ideas. See REASONENS.

Hence we may be able to form an Idea of that ordinary Disfinction of things, into such as are seconding to, those that are

above, and thoic contray to Resjon.

According to Resjon, are fach Propositions, whose Truth we can discover by examining and tracing those Ideas we have from Sensation and Reslection, and by natural Deduktion find to be

true or probable. true or probable.

Above Resign are fuch Propositions, whose Truth or Probability we cannot by Resign derive from those Principles.

Contrary to Resign, are fuch Propositions as are inconsistent with, or irreconcileable to, our clear and diffinit Ideas.

Thus the Extilence of our clear and currect roess.

Thus the Extilence of one God, is according to Reafwe: The
Extilence of more than one God, country to Reafon: The Refurrection of the Body after Death, above Reafwe. Above Reafise may be also taken in a double Senfe; via. above Probability,

or above Certainty. They who Dispute most spainst the Power and Priviledges of tuman Region, do it because their own Region personales them that Belief; and so, whether the Victory be on their or our

to that leitle's, and for, whether, the Victory be on there or our Sides are equally defined with the Emmyle of more great Wise, The profess to tentify as with the Emmyle of more great Wise, the profession of the profession of the profession of the color benefits of the profession of the professi or were wanting in those necessary Diligences required for it

doubtful a Paffage: Or, it, without any of thefe, the Wealtness of their Understanding, had deceived them, the Error is neither hardful to themfelves, nor would be to others, if this Doctrine hardul to remnessed we would be not constructed in the Doctmen of governing on the state of the

first made use of their own to settle them, and do make use of it is this very reftraining of others. Ited.

REASON, in Matters of Religion, it used in opposition to Faith.

See FAITH This use of the Word, Mr. Lack takes to be in it felf very

improper: For Faith is nothing but a firm affent of the Mind; which if it be regulated, as it is our Duty, cannot be afforded to any thing but upon good Reson, and so cannot be opposite

to it.

He that believes without having any Respiss for believing, may be in low with his own Fances, but neither feels Truth, as he cought, not pays the Obelience due to his Makes, who would have him ale thois differenties Francisco he has given him, to keep him out of Mittake and Error—Bort fines Respis and Frish are by fonce Men opposite, it may be necessary to consider them no-

gener. Regist, as contradiftinguithed to Fisth, is the Discovery of the Certusety or Probability of fach Propositions, or Truste, which we find under set by Deductions made from fach Ideas which it has got by the use of its natural Faculties, eva. by Sensition or Recicion.

Farh, on the other Hand, is the Affent to any Proposition up-enthe Credit of the Proposer, as coming immediately from God;

eache Credit of the Proposes, as coming miniculatory from 100; which we call Revelution. See Revisia. The North See Revisia. The Reasons, in Logic. 0 ← a nocellary or probable Argument; or an Antiver to the Quellions, or of 0. Why is it? As it is be enquired. Why do the Subject and Predicate a-guez? And it is answered. Because they are fooke of the same

ting: This left Equatistion is a Region.

Hence, By the Schoolmen, Because, guids, is the Sign or Character of a Keafin, as non, no, of a Negation, and off, is, of an Af-

They make three Kinds of Reafons, Rationer; vin. Ratio at,

They make three Knarloof Regions, Realway, view. Rethe set, firm, io, finelly, and sub-becaule. From inference to a Questien, io, finelly and inference to a Questien and the set of the se

ESSENCE.

ESSENCE.
This is fometimes also call'd formal Region, as reprefering the thing under the form or Nature under which it is conceived. Reasons, in Mathematicis. See RATIO.
REASON of State, Ratio States, in Matters of Policy, a Rule or Maxim, whether it be Good, or Evil, which may be of Service to the Stare

Restles of State, is properly understood of fomething that is necessiry and expedient for the Interest of the Government, but contrary to moral Honesty or Justice.

commy on moral Honethy or Juffice.

The Patients have a long time disputed boar the Raving American Patients of the Control of the Patients of the Control of Raving of States, or whether the Control of the Control of States of States, or whether the short of the Control of th

The Princis is borrowed from the Liebnan, who first died Regi-ment (Liebnan) and Liebnan (Liebnan) and Liebnan (Liebnan) and Liebnan (Liebnan) and Liebnan (Liebnan (Liebnan) and Liebnan (Liebnan (Liebnan (Liebnan)) and Liebnan (Liebnan 
courte. See REASON.

The Agreement of Disagreement of two Ideas, does not appear from the bare Confideration of the Ideas themselves; unstance that the called in, and compared, either separately or conjointly therewise. The Act, then, whereby from Ideas that disposed and compared, we judge this or that to be so or not so, as Called Decimination. is call'd Resfering

is call'd kesspining.

Rehault defines a Resspining to be a Judgment depending on fome Americaline Judgment: Thus; having judged that no even Numbers; and that ten is an even Number; to concolled that to exampt be divided into five uneven Parts; is a Ratiscinistion, or Resspining.

This agrees with Father Mallbleauch's Doctrine, one of the great Points whereof is, that Respining, on the Part of the Underthailing, is only a meer Perceiving. See Perceivint.

That excellent Author endeavours to show, that as to the

That excellent Author endeavours to flow, that as to the Undertinating, there is no Difference between a simple Pereption, a Judgment, and a Reafoung, except in this, that the Underthanding perceives a simple thing, without any Relation to any thing ellie, by a simple Pereptus.

That it perceives the Relations between two or more things. The interceives the Relations herewen two or more things.

in a Fudencest. And, ledly, that it perceives the Relations that are between the Relations of things in a Reaforms. So that all the Operations of the Understanding are no more than meer Perceptions. See

JUDGMENT. Thus, e. gr. when we conclude, that 4 being lefs than 6; twice a being equal to 4, are of Confequence lefs than 6; we do no more than perceive the Relation of the Inequality be-tween the Relation of twice two and four, and the Relation of

4 and 6. See UNGERSTANDING

The manner of proceeding juilty in Reafaning, to as to arrive with the greater fairty at the Knowledge of Truth, makes what we call Method. See METHOD.

For the real Benefit of Logic to Reafaning, fee Logic

RE-ATTACHMENT, in Law, a fecond Assachuses of him who was formerly attached, and difmited the Court wishout Day; as by the not coming of the Jultices, or the like Cafualty. See

Brook makes Restractment either General or Special.

General is where a Man is reatracted for his Appearance on all

Writs of Affize lying against him; Special, for one or more certain Write RE-BAPTISANTS, a Sect in Religion, who maintain that copie irregularly baptized, are to be baptized a-fresh. See BAPTISM.

The Anabaptifts are Relastifiers; baptizing those at Maturity
who had been before baptized in Childhood. See Anabap-

St. Cyprian, and Pope Stroben, had mighty Differences about the Rebaptifation of converted Hereticis.

Danatus was condemn'd at Roser in a Council, for having re-

Densier was condemied at Rose in a Council, for having re-bentied from Pericin who had fallen into Idolary after their furlh Baptim. See Downtre. Penme Psyment. In Commerce, a Term much leid at Anfordmen. For a Difference or Absterners in the Price of certain Commodities, when the Bayer advances, the Sum is hard for which he might have taken time. See Discouter. The Relate is effimanced by Months; and is only allowed for certain Kinds of Merchanities, which, according to the Cuttom

of Amsterdam, arc,

German Wools,
Ashes, and Pot-Ashes,
Sugars of Brafil,

which are
fold at

18

Months Rehate. Sugars of Brafil, Spanife Wooli.

That is, these Commodities are fold for ready Money; only deducting or relating the Interest of the Money, which ought not to be paid till the End of 15, 18, 24. Months.

This Interest, call'd Rebase, is usually regulated on the Foot-

ing of 8 per Cent, per America, then the Merchants having nor always wherewhal to pay for their Goods in band, by means of the Redormer, fuch as bave, will find their Account in is an fight a law one, will be engaged to discharge themselves as soon as possible, in loose of the Discount.

REBATEMENT, in Heraldry, a Dimension or Absence of the Digital or Absence of Arms.

Sec ABATEMI

See SUATEMBENT.

REBELLION, originally fignified a fecond Refultance, or Rifung of facts as had been formerly overcome in Battle by the

Ressum and had yielded themfolives to their Subjection.

This now generally used for a trasferous tiking up of Arms againfit the King, either by his own natural Subjects, or by those

formerly discharge.

formerly fubdued.

Resel is formerimes also used in our antient Statutes, for a Perfon who wilfully breaks a Law; and sometimes for a Villain disobeying his Lord.

cheying his Livid.

Mensijiso of Remellation. See Commission of Remellation.

REBELLIOUS Agfinsh, a gathering of sealer Perfors, or mere, introding on group about, perfoling, dv. utalentally, and of their own Authority, to clamp at property of the performed carbon, and the control of Fish-douth. Robot. Occubiate, dv. to the intente the men that remits wide, or to the Intent to have very in any of the fairly Groundy; or to defortly the Deer in any Park. Min in Peodle. Cozenyin any Watern. Done Toolsie, dv. or to be mensioned of Conn. or to the Rose. To Petro of Volumb. 2008. The Min Peodle.

REBOUND. See RECOIL

REDUS, a Nosso-Dorion at Cambride cupillular it; or an entire manufacture of from Name, the by utiling it Equation Scale in the Collection of the Collection with Paintings.

Thus in the Relus of Picardy, fays Morat, a Horfe-comb, Estille; a Scythe, fanx; and a Calf, view, make Estille Pasteur. But the Practice has been fince prohibited, by reason of the Scandal.

Canada tells us, the Relay was in wonderful Eftern among our Foreinthers; and that he was no-body who could not Flam-mer out of his Name an Invention by this Wit-craft, and Picture

is accordingly.

The Soon Part Menth, has made an amplet Collection of the The Soon Part Menth of the Menth Coulded has been forced from the Menth Coulded has been forced from the Menth of the Menth o Capat of, figuring, figura fishiants.

Boston, Prior of St. Bartholomou's, figurified his Name by a

"Moon", Flour of S. Eurishmount, Ingrided his Name by a Back truth through a Tran-Jiph, Abneu or Erffunders, about highly in forces until Heavy VII but a qualrulge Keine for his highly in forces until Heavy VII but a qualrulge Keine for his a lab of a Tree in a florentimen I I with the fittings with the Places one flipping Bought in a Tree; and in others, noe flipping thought in a Tree; and in others, noe flipping thought in a Keineh Mories, the great Archibellop of Cantiloraby, was called the second of the second ing a Duck, says Cambain, it had been a rare Device, worth a Ducket or a Duck-egg. Garret Deur spraised his Name on his

Ducket or a Duck-egg. Genet Deus lignified his Name on his kign by two Men in a Genet calding Devi at Disc. Aled Dragger's Device in Ben. Yishiyida's Aleksangh, and "Juck of Newberry in the Specialics, are known to every Boyle—But the Relaw being once raised to the Signa, grew out of Fashion at Court, and has been left to hing there ever fince: Lederd Ar-teempts have been larely made for its Refue by a Reverend Di-vise, in his Thirdings Law-Letters, &cc.

viss, in his Tushrige-Lave-Letters, &cc.
Ye has the Reda Antiquety or to is ided, as having been in use
in the pure Angulan Age; Corre, in a Decication to the Gods,
incited Marray Tulin, with a Intel Peace, Call Dy the Latins
Gerry by us, Child-Peyli, And Julian Celler, in frome of the
Corre, they us, Child-Peyli, And Julian Celler, in frome of the
Corre, they us, Child-Peyli, And Julian Celler, in frome of the
Corre, they us, Child-Peyli, And Julian Celler, in the Marrianna Progre.
Add to theke, that the vow Mint Multers in that Age, L. Agulan
Filters, and Passant Plants, used: the filt a Please, the Econd a Call, on the Reverse of their Coins.

Caff. on the Reverte of their Coins.

REBUTTER, in Law, when a Man grants Lard found to the useful bimidel and the filler of his flow, to another in Fee, with Warrary; and the Docce keding out the Land to a third Per-Marrary; and Docce keding out the Land to a third Per-Aller of the Coins of the Land was in Tail to him, and the Donce comes in and by struct of the Warrary made by the Donor, repells, or relative, the Heir: Because, though the Land was instaled to him, This is called a Selators, from Re. and be. Third is 1976.

This is call'd a Relatter, from Re, and the French, boater, to repel, or bar

Again, if I grant to the Tenant to hold Sive Inspetitione Vaffi, and afterwards implesd him for Waffe; he may debar me of the Action, by thewing my Grant, which is likewife a Re-

RECANTATION. See Palitiony.
RECAPITULATION. in Omtory, & a Part of the personation called allow Assumptions, See Parsonation, & ed. Recognitions in a familiary of the preceding Diffusories; or a Concilic, trunitier Emmeration of the principal their shifted on a large directly, whereby the Force of the whole is collected into one View.

An Inflance of this may be given in the Perontion of Cierro's

Manihan: Quere cuo Belloso ita Necofferium fei at nezhej mu posste. Ita Magnuso ut Accuratissue fei Admundrandum; er cum el Impa-rentemo prefere posstei, m quo si exchua lessi (ineuta, singulari Ve-tus, Clarissus audioritas, czerga fartuna: Dubitalius, Questes,

RECAPTION, in Law, a fecond Diffress of one formerly diffrand for the same Cause, and also during the Plea grounded on the former Diffress. See Districts.

It is also a Writ lying for the Party thes diffrained. RECEIPT, or RECEIT, in Commerce, an Acquittance or Discharge; or an Act whereby it appears a thing has been paid

off, or acquitted. Where the Receif is on the back of a Bill, &c. 'tis usually

Where the Reset is on the back of a Bds, 6%. Its unearly called in Indexpress. See Drobersations. Among Mechanicks, 6%. Reset utility makes the factor of the three Articles of an Account; The Reset contains the Mo-neys received; the two others the Expence, and the Return or

RECEIPT, or RESCRIT, in Law, is an Admittion, or receiving of any Person to plead his Right, in a Cause formerly commenced between two other Perfons

As if a Tenant for Late, or Years, brings an Action; be in the Revertion comes its, and prays to be received, to defend the
Land, and to plead with the Demandant

Refirit is also applied to an Admittance of Plea, though the

Controverfy be only between two.

R first of Humage is the Lord's receiving Homege of his Tenner, at his admittion to the Land. See Homage.

# RECEIPT of the Exchequet,? See SEXCHEQUEL.

RECEIVER, a Veffel used in Chymistry, Precomsticks, &c. See RECIPIENT RECEIVER, is slife an Officer; whereof there are various Kinds, decominated from the particular Matters they Receive, the Places where, or the Perions for whom, &c. As, Readort of Rostr: Readort General of the Cufforns.

e Customs.

Receiver of the Fines, upon Original Writs in Chancery.
Receiver General of the Dutchy of Lancefer, who gathers all the Revenues and Fines of the Lands of the faed Dutchy, all

Forfeitures, Alleaments, &c. See DUTCHY, &c. RECEIVER, RECEIVER, and RECEFFATOR, in Law, is used commonly in the Evil Part, for such as knowingly receive stolled Goods from Theves, and conocal them.

Goods from Thieves, and conceal them.

The Crime is Felooy, and the Punishment Transportation.

RECEPTACULUM Chift, or Ciferuse Chift, for RECEPTACULUM Canamar, in Adatomy, a Referroir or Cavity near the left Kidney, into which the incheal Verlies do all Difference their

See LACTEAL Contents This Receiver, call'd from its Inventor Ductus Perqueticus, lies oder the Emulgent and great Arteries, between the two Origins of the Diaphragma.

of the Disperagma. Histher do the lacteal Velicles of the se-cond Order, bring the Chyle after its being diluted, and render'd thinner by the Lympha in the Glands of the Mescotery. See Circus and Massayreny.

In a Pregnation of this Part, by filling it with Mercury, Mr.
Couper found it to confift of three feveral large Trunks; two of
them more than a Quarter of an Inch in Diameter. This Division is only observed in human Bodies, in whom Dr.

I'm I Division is only outervot in human Bodes, in whom Li-Dask thinks its erect Polition makes it necessary, in order to take off the Resistance which would arise from the Pristure of the Chyle and Lympha, were it constanted in a single Receiver. In Quadrupeds, its Horizontal Position may make one Trunk tufficient Its Ofins or Exit is upwards in the Thorax, and thence call'd e Thorax Date. See Thorax Duct. the Thoraic Dutt.

RECEPTION, RECEPTIO, Receiving, in Philosophy, the fame with Paffers, confidered as opposed to Allian.

The Schoolmen, however, make some Difference: The Re-

perfect Parties and the Acquiring of the Being, as Patilion does; but to the Perfection thereof; it is conceived as the Acquiring of fome new Reality or Modification, by means of the Action of another.

RECEPTION is also popularly used for the manner of treating or entertaining a Person; and of the Solemnines and Caremonies efficed on that Occasion.

The Queen of Sunda's Reception into Paris was one of the off Magnificent these Ages have seen. The Reception of Emmost Magnificent these Ages have seen. The Receptage bassadors is usually done with a great deal of Pomp.

RECEPTION, is fometimes also used for the act of approving, accepting, and admitting a thing.

The Canon Law only binds where it is received: The Civil

Law is received in form Countries.

The Press would never receive the Council of Tress, the Spanish Inquisition, nor the Dogmata of the Ultramoulane Cano-

RECEPTION, in Aftrology, is a Dignity befulling two Planets when they exchange Houses; e. gr. when the Sun arrives in Can-cer, the House of the Moon; and the Moon, in her turn, arrives in the Sun's Houfe-

from RECESSION of the Equinous. See PRECESSION. RECESSION appears Keeping the Engines a Planta under the Recession and the Recession and the Recession of the Recession and when on the roots or returns.

There being, now, no Articles of Succours for the War against the Turks, which used to make the greatest Part of the
Recoffer Report; they are at a loss for Matter to fill them withall, as resid as for the Manner of drawing them up. Means-

The Diforders in the Imperial Camber of Spirit were to great,

are Lutwores in the imperial samper of syorb were to greet, that in 1654s, they made feveral Regulations therein; inferred to the Reaffier Imperit. Id. See CHAMBER.
RECEIABITES, a Kind of Religious Order among the antime 'f-way, influence by 'Josephase the Son of Rethieb'; comprehending his Family and Potterity.

There Econogles production them there there is the contract of the Contract 
Their Founder preferibed them three things; First, Not to denic any Wine. Secondly, Not to build any Houses, but to civell under Tents. Thereby, Not to sow any Corn, or Plant a-

ny Vines. The Rechabites observ'd these Rules with a great deal of strict-

So, as appears from Jersey XXXV. 6, etc.
Whence, St. Jerses in his xiii Epiftle to Pauliuss, calls them

Monathi, Monks,
This Jonathus lived under Joses King of Judab; his Faths Rehab, from whom his Posterity were denominated, defecteded from Regard or Jeshro, Father-in-law to Mafer, who was a Casean, or of the Race of Cin; whence Cinean and Rechabite, are u-

led as fynonimous in Scripture. RECHANGE, or Re-EXMEANOR, in Commerce, a fector Prymert of the Price of the Exchange; or rather the Price of a New Levange, due upon a Bill of Exchange that comes to be proteined; and to be refunded the Beater, by the Drawer, or Entering that comes to be proteined; and to be refunded the Beater, by the Drawer, or Entering the Price of the Pr

See EXCHANGE

duner. Dec EXCHANGE.
The Occasion of Reshauge is, when the Benert of a Bill of Ex Image, after protecting is for want either of Acceptance, or Payacrath, horrows Money on this own Fromisis, Bond, or the like; or draws a Bill of Exchange in the Piace where the Payment was to be made, on the Person who farolided the first, for which he pays a facord Exchange, which being added to the first directly paid, the Drawer of the first Bill makes woo Exchanges, properly call'd Exchange and Re-exchange. See Bill, and PROTEST.

The Bearer of a protested Bill has a right to recover both the e and the other on the Drawer. Yet the simple Protestation one and the other on the Drawer. Yet the timple Procellation the Bearer makes in the AC of Prast®, that he will take up a like Sum at Re-exchange, for want of his Bill being accepted or pad; is not fufficient to entitle him to demand the Reimburfe-

ment of his Redsage; unless he make it appear he has actually taken up Money in the Place whereon the fall was drawn. Otherwise, the Redsage will only amount to the Reditation of the first Exchange, with Interest, the Expenses of Protesting,

of the inft hawhange, with Interests, the Expenses of Proteining, and of the Journay, if there have been any, and of the Journay, if there have been any, and if a Ball of Exchange, psyshie to the Baser or Order, come to be proteifed, the Redwage is only due upon the Dawer for the Place where the Remittance was under just the Dawer for the Place where it may have been negotiated; at least, the Drawer has a Right to be refineded his Redwage for these Places, by the Endowier.

Fuces, by the kindorier.

Loded the Refeaser is due from the Drawer upon all Places
where a Power of Negotisting is given by the Bill, and upon all
others, if the Power of Negotisting be Indefinite.

Lithy, The Interest of the Resources of the Expences of the

Proteft, and the Joutney, are only due from the Day of the Tis supposed to be the Gibrins driven out of Italy by the Fa

Gion of the Carlybr, and sheker'd at Amsterdam, who first esta-blished the Carlton of Resource, on pretence of the Interests, Damages, and Expences they underwent, when the Bills given them for the Effects they had been obliged to abandon, were not ssem nor the Effects they had been obliged to abandous, were not accepted, but came to be proteffed. See Birl. of Exchange. RECELENCE is also little at Sea for flich Tackle as is kept in Referve abourd the Ship, to ferve in Cafe of failure of that al-ready in USe. See Tackles.

The Levantines tile the Word Refeelt, or Refeit in the fame

RECHARGE, of a Fire-Arm, is a fecond loading or Charge.

See Change.
The Rehapper thould never be fo deep as the first Charge, least
the Prece being over-heated should burit.
RECHACHORG, in Humring, the driving back of the Deer,
or other Bealts, into the Foreits, Chaces, &c., which had strage
the docs atom the Copies, or Thackets, &c. See Foreits.

Antiently there were Offices of Rechautrs of the Deer, be-flowed by the King on Gentlemen, or old Hunters, with Salaries for the keeping of running Dogs, to recluse the Deer into or Golden Rule. See RULE

The Term is also used when two Platent exchange Endongradients of the Englands See Platentanous,
RECISSION of the Englands See Platentanous,
RECISSION of the Englands Profession and the Recision on the Honor three the Honor three their Gimes,
RECISES, and the Recision of the Honor three their Gimes,
RECISES, and the Recision of the Honor three their Gimes,
RECISES, the Medicine, a Platentanous of the Recision of the Recision of the Honor three their Gimes,
Recision of the Recision of the Honor three their Gimes,
Recision of the Honor three their Gimes,
Recision of the Honor three their Gimes,
Recision of the Honor three their Gimes,
Recision of the Honor three their Gimes,
Recision of the Honor three their Gimes,
Recision of the Honor three their Gimes,
Recision of the Honor three their Gimes,
Recision of the Honor three 
Tis thus call'd, because always beginning with the Word Re-eigs. Tiske; ordinarity express of by R.
RECHEANGLE, or RESPIENT-ANGLE, a Mathematical Inframent, serving to take the Quantity of Angles, especially in the missing of Plans of Fortifications.

in the making or rains of portnerators.

The Recystage's a popolar Instrument among the French, but little known among us: 'The ultrally very simple; in Form of a Square, or rather a Bevel; consisting of two Arms or Branches, tiveted together, and yet moveable, like a Sector on the Centre or River

To take an Angle with it, they lay the Centre of the Protracor to the Joint, and the Degrees cut by the Edge shew the Quantity of the Angle: Otherwise the Angle made by the two Rulers is drawn on Paper, and then measured with a Protractor. Sometimes there is a Circle divided into Degrees, added ov

Sometimes there is a Carcie division in Degrees, andea over the Centre or Rivet, with an Index to them the Degrees with-out a Protractor: At other times the under Branch is divided. To mestire a Solium Angele with any of the Rechipungler, apply the Infides to the Lines that form the Angle; for a re-entering

Angle, apply the outside, &r.

RECHTENT, REEKVER, in Chymifty, an Appending of a re-cherning of an Alembic, Recort, &r. being a Vetfiel lated to the Beak thereof, to receive the Liquor rais do Diffiliation, &r. See Alems-

BIC, RETORT, DISTILLATION, &c. RECIPIENT is also Part of the Apparatus of an Air Purno; being a Gials Veilel placed a-top of the Plate, for the Air to be exhaulted from. See Ara-Pump.

To an Air-Pump beloog various Redolwits, of various Forms and Sizes, and ferving for various Purpoles. See Vacuum. RECIPROCAL, fomething that is Mutual, or which is ren'd equally on both Sides, or affects both Parties alike.

Thus, we fay, the end of Human Society is to afford each other resigned Aid.—There are respread Duties between the Prince and has Sobjects, the Husband and Wile, of:

The Lew Tolowis citabilities a kind of Responsives of Julice.
There is a Responsal Action between the Agent and Pattent.

e REACTION If two fimilar Triangles be cut by Parallel Lines, the Sections of the Lines will be Proportional; and Resignscally, if the Sides be cut Proportionably, the Sides are fimilar. See TRIANGLE.

RECERT POPULATION, the sizes at limits:

RECERTORIA, in Logick, is applied to Terms which have the fame Signification, or are convertible; as Respirable Animal, and Mass. See CONVERTIBLE and TERM.

The Schoolmen define Reciprocation, a Convertion of the feveral Terms in an Enunciation. And Terms are faid to be con-verted in an Enunciation, when the Predicate is put in the Place of the Subjects and responsally, the Subject in that of the Pre-

cheste.

Thus Rationality and Rifiblity are faid to reciproselle; for we fay, equal a Rational is Rifible; and a Rifible is Rational.

RECIPROCAL in Grammar, is applied to certain Verbs and Pronouns, in fome of the Modern Languages; in tagued of their curning or reflecting the Noun, or Perico upon himself.

Thus the Pronoun-relative hossify, refers Care to Care's feet.

The Abbe de Dongous, defines Reciprocal Verbs to be those whose Nominative is Plural, and denotes Persons acting mutually on one another: As, Ces quatre homous s'entrebattoieus; These sour One another: Nas expusion
Men fought rogether. Perry & tol ovar vasor losses; Peter and
you Praife one snother, &r.
Reciprocal Verbs are a Species of those which that Author calls
Proveniesals, and which he diffinguishes into Reciprocal and Identi-

d. See Verb.

Recipeocal, in Poetry, is applied to Verfes which run the me both backwards and forwards; call'd also Recorrents. See

RECURRENTS. RECIPROCAL Figures, in Geometry, are fuch as have the An-teordens and Confequents of the fame Ratio in both Figures; as Tab. Geometry Fig. 22. Here, A:B::C:D. Or.

That is, as much lose as the Side A, in the first Reclargle, is thin B; so much deeper is the Side A, in the first Reclarge, than the Side D in the first: and consiquently, the Length of one is companied by the Depth of the other.

Also as the Side A is i, longer than the Side C, to the Side B is 2 longer than D. Wherefore the Reclarges must need to be some than the Side C. The Side B is a superposed to the Side B is a superposed to the Side B in the Side B in the Side B is a superposed to the Side B in the Side B

cqual. See RECTANGLE.

This is the Foundation of thet Catholick Theorem; that the Redangle of the Extremes mult always be equal to that of the Messas; And confequently, the Resion of the Rule of Three,

II N ForFor, suppose there was given any three Numbers, or Quantities. Geometrically Proportional, as A, B, and C; and that it were required to find a fourth, D, Proportional to them:
Since A: B:: C: D, therefore AD=BC, and consequence-

ly,  $D = \frac{BC}{A}$ , that is, the fourth Term is equal to the Quotient of the fecond, multiplied by the third Term, divided by the firft.

Or thus, in Numbers: Suppose given 12, 4, and 9; required a fourth Proportional. Now as 12; 4::9:Q. But 12  $Q=4\times 9=36$ . Therefore  $Q=\frac{4\times 9}{12}$  (: 3. by dividing both

Sides by 12.

And bence it follows, that if any two Triangles, Paralle-lograms, Priffins, Parallelopipeds, Pyramids, Cones, or Cylinders, bave their Bafes and Altitudes reviewally Proportional, those two Figures or Solids are equal to one another; and one weeks, if they are equal, their Biles and Altitudes are respectable proportionable. See TRIANGLE, PARALLELOFFERD,

PRIM, CONE, CYLINDER, CV.

RECIPROCAL Properties, is when in four Numbers, the fourth is refler than the second, by so much as the third is greater than the first; and vice verse.

This is the Foundation of the Ioverse, or indirect Rule of Three, thus; 4: 10: 8: 5: See RULE.

There is great Use made of this Resignant Proportion, by Sir Ifase Newton, and others, in demonstrating the Laws of Moti-

RECITATION, the Act of reciting, or delivering a Discourse, either in the way of Narration, Reheatfal, Declaration, or

Reading.

RECITATIVE Mayles, a Kind of Singing, that differs but

RECHAINS aboves a Knot or enging and order all their properties of the Litting are released in Cathodrals; or that wherein feweral Parts of the Littings are released in Cathodrals; or that wherein the Actors ordinarily deliver themselves on the Theatre, at the Opera, eye. See Smother and OPERA.

Open, &c. See Shotton and OPERA.

The Halbars value themselves on the Performance in the Resitative Way. The Resistative, or Restative's, in our Open's,
usually true the Audience, by reafon they don't understand the
Language; the Songs make them amends. See Sono.

RECTATIVE SOyle, is the Way of Writing accommodated to

RECHAINS AND A USE WIND COMMING AND A WIND ACCOUNTS OF THE RECKONING, in Navigation, the estimating of the Quentity of the Ship's Way; or of the run between one Place and another. See Satling and Distance.

other. See SAILING and DISTANCE.

This is belt performed by means of the Log-Line; the manner
of applying which fee under its proper Article, Loo-LINE.
Yet is the liable to great Irregulatities—Farwaws advices an
'Axis to be past'd through the Sides of the Ship, with two large Heads
proposaling out of the Ship, whether are to be included Wheels
touching the Water, by whood Revolution the Space past'd over in any given time, may be measured. The same has been late-ly recommended by Swellius: But there are few who have wrote of Navigation, but have shewn the insufficiency of this Me-

RECLAMING, or RECLAIMING, in our antient Cultoms, the Action of a Lord purfaing, profecuting, and recalling his Vaffal, who had gone to live in another Place, without his Permission See LORD and VASSAL

RECLAIMING is also used in a similar Sense, for the demand. ing of a Person or thing to be delivered up, or surrender'd, to the Prince or State it properly belongs to; when, by any irregu-lar Meaos it has come into the Possession of another. See

An Officer was fent to reclaim the Vessel sen'd by the Alge-rines, contrary to the Terms of the Treaty of Peace. The Mi-nistry reclaim'd the late Cashier of the South-Sea Company, who

REGLAMING, in Falcoury, is the Calling of a Hawk, or Bird of Prey back to the Fift.

on step back to the Fift,

The Sparrow-Hawk, Coffe-Hawk, &c. are reclaimed with the

Voice: The Falcon only by shaking the Lure.

So that Luring, with regard to the Falcon, is more proper than

Relationing. See Lugg.

Relationing. Sec LUXE.

The Particips is shift the relative ber Young ones, when the The Particips is shift that featuring to rough.

The Particips is shift that featuring to rough.

RECLINATION, of a Plune in Dalling, the Number of Engreue which a Dall-Panne lens tackwords, from an exactly agright or vertical Panne, i.e., from the Zeaith. See PLANT.

The Relationary is early from, by mems of a Ruler and a lower of the Panne of th

by a Level or Quadrant, and to it another Line at Right Angles, apply a Rules, to that one End of it may hang over, or retch beyond the Plane: Then will a Quadrant, applied to the under Edge of the Ruler, thew the Degrees and Minusce of the Plane's Recharative, accounting from the Side of the Quadrant Lat is contiguous to the Edge of the Ruler. See Dial. QUADRANT,

RECLINER, in Dilling, or RECLINING Disl, is a Dial whose Plane reclius from the Perpendicular; i.e. leans from you when you stand before it. 'See RECLINATION.

When this Reclimation is equal to the Height of the Pole, the Dial is faid to be Equipolitical.

Dal is diet to be Epsicoliul.

A Declaing RELLERING of Declaing RELLERING Dal, is at Dal which toucher theorie personalculative, not opposite to one of the Calcular Heurist and the most personalculative, not opposite to one of the Calcular Heurist and principals. He first node that up is a very nature of Cal of a Herningson or other Religious House; and cut offer not off form all Convertication of the World, but even of the Houde. See Hankerry Cri.

or of Develors, no of Personal. Convertication of the World, but out of Develors, to it does not be changed in concentrate Wires, whom their Hubanda procure or be thus great to a proposal principal form of the Calcular Calcu

Reclufes were anticotly very numerous: They were, Solitaries who that themselves up in some little Cell. ith a Vow never to flir out of it. See SOLPTARY None were admitted to this Outh 'till they had given fuffici-

None were admitted to this Cuth the Large from the Bidlops, ent Proofs of their Abdinence, and had leave from the Bidlops or the Abbot of the Monattery where they were that up; for the Abbot of the Monattery where they were fine to fome Mo-The Prelates Persniffion being obtain'd, they were tried for a Year in the Monaftery; out of which, during that time, they

never ftirt'd. See PROBATION. They were then admitted to their Vow of Stability, in the Charch before the Bilinop; which done, and the Reshift enter'd his little Ce'l, the Bilhop fet his Seal on the Door. The Cell was to be very fmall, and very exactly closed. See

CELL.
The Rechiff was to have every thing within it necessary to life;
and, even, if he were a Printhan O-natory conferenced by the Billiops,
with a Window which looked into the Charch, threeaph which
he might make the Offerings at the Mafi, hear the Sanging, fing
himsigh with the Communguents, and milver those who called to
hims. But this Window was no have Curtains before it, both
within-file and without; is that the Zeckleff might enther fice nor

Indeed he was allow'd a little Garden in his Realsfass, to Plant a few Herbs, and take fresh Air: Adjoining to his Cell was that of his Disciples, which be was very rarely without, with a Winow, through which they fery'd him with Necessaries, and received his Instructions

When it was judg'd proper to have two or three Redufer toge-thes, their Cells were made Contiguous to each other, with Win-dows of Communication: If any Women would confult them, or confess to them, it was to be in the Church, and in the Face of all the World.

Where there were two or three Reshifts together, they were never to hold any Conference, but on spiritual Matters; and to confess to each other; Where there was but one, he was to confeß and examine him@

If the Reshift fell fick, his Door was opened for People to any Pretence whatever.

Thefe Articles are extracted from a Rule, compiled for the There were allo Women Reclujes, who led the same Life, in Proportion. St. Viborarde lived a Recluje at St. Gall. and was

F. Meljot gives a particular Account of the Ceremonies pra-cliced at the Redulus of a Woman, in that of the Mother of Cambray, Institution of the Order of the Presentation of Natre

Daws.

A Cell being built for her in 1625, adjoining to the Church of St. Andrew in Townsy: The Bithop wated for her ently in the Morning at the Church Door. Upon her Artival, profitsing her felf at the Fect of that Prelate, be gave her his Benediction, conducted her to the Grand Altary and, there he helifuga Mande, Vela and Scapalary, put them on her, and gave her a new Name.

Having here made her Vow, and the Bifhop having harso-ued the People in Praife of the new Realife; he conducted her receffionally to her Realifies, the Clergy all the way finging. Veni Sponfa Christi, 800

Peul Syneja Cerjifs, &cc.
Here the Bildrop bleffing her s-freth, conferented the Realigian, and that her up in perpecual Confinement.
RECOONTION, an Achowofegament.
The Word is purticularly saide in our Law Books, for the Title of the first Chapter or the Stat. 1, 75ms. I. whereby the Patisimens acknowledged the Crown of England, sifter the Death of Queen Englands, by Law englishing defended to King

James.

RECOGNITIONS, in the Drama. See Discovere:

RECOGNITIONE advallmed see view of durition falls, is a
Writ to the Julifices of the Common-Buch. for feeding a Record tooching a Recognizance, which the Recognizer fuggests to
have been acknowledged by Force and hard dealing; that if it fo
appear it may be difficulted. See RECOGNIZANCE.

REOGNIZANCE, or RECOGNIZANCE, in Lew, a Bond, or Colligerion of Record, tellifying the Recognific to owe to the Recognific a certain Sund of Money. See Bonto.

It is respected, or acknowledged in force Court of Record, or before force Judges, Malter in Chancery, or Julice of the

Mere Recognicates are not fealed, but enrolled; and Execution, by force thereof, is of all the Recognifor's Goods or Chartels, (except diaught Beafts, or Implements of Husbandry) and the Moiety of his Lands.

RECOGNIZANCE is also used in our antient Statutes, for the Verditt of the twelve Juross impanelled upon an Affize; hence called Recognitors. See JURY and VERDICT. RECOGNISEE, is he to whom one is hound in a Recog-

RECOIL, or REBOUND, the Resilition of a Body, chiefly a

Fire-Arm; or the Motion whereby, upon Evplofion, it flarts backwards. See Gun, Mortan, e.c.

bickerstis. See Guss, Morras, &c.

The greater the Charge, esteris pailar, the greater the Re-bound—By an Experiment mode by the Royal Society, and re-lead in the Philafoph. Transfell. it was found that Camonachangd to a certain Degree, throw the Bull from right to left of their own Direction; but that the Camonos themselves Resid from left

Some of the Gentlemen of the French Academy, doubting the Juffires of the Ohiervation, M. Cagliai, the younger, under-took to repeat the Experiment; which he did by mems of a Ma-chine, as like that of England as he could; and that tried over, over again.

and over again.

The Refulct was, that the Bull, when the Gun had liberty to from the Sun always thrown to the right of the Point to which it was thrown when the Gun was fird without a poffibility of re-bounding; but these the Research was always made the firm way, eas to the right; and he never found that contrastey of Direction of the Sun always made to the right; and he never found that contrastey of Direction of the Sun always made to the right; and he never found that contrastey of Direction of the Sun always the Sun alw

chions between the Ball and the Rebound, observ'd in the English Experi EXPERIMENT.

RECOLLECTION, a Mode of Thinking, whereby those RECOLLECTION, a Mode of Thinking, whereby those fless fought again to view. See Memory and Reminiscence. See also Mode, Trunking, Cr.

RECOLLECTS, a Congregation of reform'd Franciscaus, call'd also Friest Muser of St. Francis, of the first Observance. See

Franciscani.
They were dishbilled about the Year 1730; when, force Religious of the Order of St. Prassit, willing to keep his Rate of Lears; Glemen VIII. gives then House, particularly Tules for Lears; Glemen VIII. gives then House, particularly Tules for the Association of the Company of t

is fiid remailiaris, to be remailed, when 'tis conferrated a-fresh, after laying been polluted or profuned; as by the Polletson of Pagess or Hereticks, &c. See Churces, Consecuation, Pro-

RECONNOITRE, in War, to go view and examine the State of things, in order to make a report thereof. Thus we say, a Body of Horse were sent to Reseassire the Enemy's Army, to Resembler their Camp, the Ground, the Cen-dition of the Roads, Rivers, etc.

To Resembler the Cosffs, to Recommittee a Port, ebe.
A General is to go Recommittee in Perfora, the Place to be befinged, in order to learn its Situation, Avenues, its Strengths

and Weakneffes. The Word is pure French, familying litterally, to know, re-

RECONNOTTRE is also used at Sea: thus, to Recommittee a Ves-£1, a Fleet, &c. is to approach near enough to examine the Rate and Burthen of a Velici, &c. the Force it may have a-board,

what Nation it is of, &c. To Resonseitre a Land or Shore, is to observe its Situation, in order to find what Land it is.

RECORD, in Law, an authentick and uncontroulable Tefti-mony of any thing in Writing, contain'd in Rolls of Perch-ment, and prefer of in Courts; thence call'd Courts of Resard. See Courty, ROLL, &c.

Records are faid to be vertifiatis & vertiatis, Vefities.

An Act committed to Writing in any of the King's Courts, during the Term wherein it is written, is alterable; being no Resord; but that Term once ended, and the Act encoded, it is a Record, and of that Credit, that admits no Alteration or Proof to the coursey.

to the contray;
Lawyess reckon three forts of Rewed; eie. a Judicial Remed, as Attamobra; ev. a Minisherial Rewed upon Orth, as an
Office of Inquisition found; and a Rewed made by Conveyance
med Confent, as a Fine, or Deed enrolled, and the like.
Recorgo, annote Powlers: a Bed is ind to rewed, when it
Powler to tune or ingy within idelty to form its Notes, and defipowler to tune or ingy within idelty to form its Notes, and defipowler to tune or for powlers. Bed and the like to the Conference of the Confer

The Cock Thruth is diftinguished from the Hen in recording; the first heavy more load and frequent than the second.

RECORDARE facial, a Writ directed to the Sheriff to remove a Cause depending in an inferiour Court, as Hundred-Court, County-Court, Court of antient Demenn, &c. to the King'snch, or Common-Pleas. Tis thus call'd because it commands the Sheriff to make a Record of the Proceedings either by himfelf or others; and then

RECORDER, a Perion whom the Mayor, or other Mazi-

RECORDER: a Fetion whem the Mayor, or other Magineter of any City or Town Curponen having Juris (Elton or & Osser of Remain or Maint Her Precisity, due allocates with himself of Court of Remain or Maint Her Precisity, due allocates with Her Recording to Law. See Marcos, of Judice. and Proceedings according to Law. See Marcos, of Town the Proceeding Addition with Mayor world and experienced in the Common Law-Life from Town which have their particular Addition with Law Court with the Court of Maintenance and the Court of Maintenance and Court

gether with the whole Proceedings in the Caufe, out of an inour Court into the King's Court RECOVERY, ma Logal Sente, an obtaining of any thing by judgment, or Trial at Law; answering to the Evidis of the Cl-

There is a true, and a frigued Recovery.

There is a true, and a playmot Resourcy.

These Recovery is an actual or real Resourcy of any thing, or the value thereof, by Judgment; as if a Man fue for any Land, or other thing, and have a Verdick and Judgment for bim.

A frigued, or common Recovery, call of by the Civilians, guadess Relief from Judgment a certain Form or Courte preferibed by Law to be observed for the better affairing of Lands and Ferentizeness on its

the end and effect whereof is to discontinue and destroy Estates Tail, Remainders, and Revertions, and to har the Intails there-This Recovery is either with a fingle, or a double Poweber.

In the first there are three Parties required, the Demondant, the Recovery and the Voucher.

the Jensels, and the Fouther.

The Demonstrate is be who beings the Writ of Entry, and
The Demonstrate is the Tenant is he against whom
the Write is brought, and may be call'd the Resource.

The Youchee is he whom the Tenant Voccheth, or calls to
Warrant for the Land in Demond. See YOUGHER.

Warrant for the Land in Diemond. See Voorciasts.

A Karanyy with double Voorder, is where the Tennet wouthth ene, who woulderds another, or the centimen Voorders.

The Verbar is last inspeature of propriete. To evidense it, Sonition 1900, and the Company of the Lands of which he intends to deel the Lands; and an a larged Decleration the December of the Lands; and an a larged Decleration the December of Decleration of the Lands; and an a larged Decleration to the Tennet of the of the Disputs and State, is small and Expedited to the Tennet of the of the Disputs and State, is small and Expedited to the Tennet of the Intent of the March of the Decleration 
This feign'd Tenant, if it be a fingle Revery, is made to ap-pear and vouch a poor Fellow, the Bag-bearer of Writs of the Cafes browns of the Common-Pleas; (where alone these common Resoverses are allowed) who makes Default: Upon which a Judgmone is by this Fifthin enter<sup>2</sup>, that the Demandant shall recover, sed have a Writ of Selina for the Possission of the Lands in Question; and that the Tensat shall recover the Value of the Lands against the Lands of the Vouchee Bag-bearer, (who has not a Foot) which is an imaginary Satisfiction for the Heir in Tail, though he is to be never the better for it.

By this means one Enternal House, a Blug-bearer, and common Voochee, in the special of Yoshis, patid, or failerd to be recovered against him, a great Part of the Lands of England; obliging his own Lands to answer the Vidue of choic recovered a it the Tenzots or Remainders in Tail. RECOUPE, in Law, to Relate or Difcount. See REBAYE

and Discous Thus, if a Man have ten Pounds iffaing out of certain Lands, and he Diffeifes the Tenant of the Land; in an Affixe brought by the Diffeifer the Diffeifor shall recorp the Rent in the Da-

ages. The Word is pure French, form'd of re and Cooper, to cut

A RECOUPE is also a quick, tharp Reply to a peremptory De-A RECOUPE is and a gains, user near year mand. See REPLAYER.

RECREANT, in our old Law-Books, implies Cowardly, Faint-hearted. See Champion, Combart and Durk.

Hence, Recreasiff. See Chavis.

Recreas was fo reproachful a Word, that Glasvoille would not

describe it.

Recreances Equi is used by Flota, lib. 2. cap. 2. for dull, jaded

Hories.

RECREMENT, Fazer, in Medicine, & r. fome superfluous
Matter mixed with other that is tusful. See Fazers.

Sometimes it also logisfies for feerent pluses in the Body, as
are afterwards of tule to the OEconomy; as the Lympha Gall,
&r. which are thus called in contradistinction to Exercential
which are explaid out of the Body, as of no, further tule. See

EXCREMENT RECRIMINATION, a Posterior Accusition brought by the accused against his Accuser, upon the fame Fact.

When two Parties have made their mutual Complaint at the fame time; the Business is first, to determine who shall be the Accuses, and who the Accused; i. e. on whom shall fall the Re-

Recrimination is of no torce till the Criminal have been purged legally.

RECRUDESENCE, in Medicine, is when a Difease that

KECRUDES:NCE, in Medicine, is when a Dirieft but was gener offer reuse again. See Ret.arel. RECTANGLE, in Georetry, call'd inlo Osleng, and the RECTANGLE in Georetry, call'd inlo Osleng, the Again, a Quadritured rednegated Fagus, Collan, Tab. Geore-try, 18, 600 whole specific Steel OV and VO, 18, 600 and 19, 100 ON, 3, 18, 600 and 3 per Brailledgram, whole Schot are turoquil-but Anpler right. See Parallel gram, whole Schot are turoquil-but Anpler right. See Parallel gram, whole Schot are turoquil-but Anpler right. See Parallel gram, whole Schot are turoquil-but Anpler right. See Parallel gram, whole Schot are turoquil-ty Sudsteen Again of Ret. Ret.arel. Nesline the length of the Side ML and MI; and may be a Retlaugh; Nesline the length of the Prochold in the Area of the Retlaugh.

Thus MI being 345 Foot, and MI m123 Foot; the Area will be found 42455 Square Foet.
Hence, 1°, Relaught are in a Ratio compounded of that of their Sides MI and IK; and therefore Relaught which have

or their some rel. and I.F.; and insertone assumption would mive the firm Height, are to each other as their Bules; and those which have the fame Bule are to each other as their Bules; and those proportion, the Square of the middle one is equal to the Realization that was Damenton. See Practoration 3," If there he four right Lines in continual Proportion; the Realization that the Realization of the Realizatio

4°. If from the fame Point A Fig. 41. be drawn two Lines; one whereof, AD, is a Tangent to a Cirele, the other a Secant AB: the Square of the Tangent AD, will be equal to the Relangle noder the Secant AB; and that Part of it without the Circle, AC.

5°, If two or more Secants As, AB, e.e. be drawn from the fame Point A; the Rectangles under their Wholes and their Parts without the Circle, will be equal. See SECANT.

Parts without the Circle, will be claim. See SMANT.

69, If two Cliords interfect each other, the Reflaught under their Segments will be cquil. See ChoRD.

RECTANGLE, in Arithmetick, is the fune with Product or Factars. See Product and MULTIPLICATION.

RECTANGLED. RIGHT-ANGLED, Triangle, is a Triangle, one of whose Angles is right, or equal to 50°.

There can be but one right Angle in a plain Triangle; therefore a relangled Triangle, cannot be equilatoral. See Tai-

ANOLE.
RECTANGLAR, in Geometry, is applied to Figures, and Solids which have one or more Angles, Right See ANOLE,

Such are Squares, Rechangles, and rechangled Triangles among plain Figures; Cubes, Parallelipipeds, &c. among Solds. See Frouric, Solin, &c.

Solids are alio faid to be Reclampular with respect to their Struction: Thus, if a Cone, Cylinder, &v. be Perpendicular to the Plane of the Horizon, 'dis called a Reclampular or Right Com; a Reclampular, &c. Cylinder. See Cone and Cytum-

DER The Antients used the Phrase Restaugular Session of a Core, to denote a Parasola; that Conic Section, before Apolismus, being only considered in a Cone whose Section by the Axis would be

Triangle, Right-angled at the Vertex.

Hence it was that Archimedes entitled his Book of the Qua drature of the Parabola, by the Name of Redlanguil C

Section.

RECTIFICATION, the Act of Rediffing, i. e. of correcting, remedying, or redecling from Defect or Error, in respective either of Nature, Art, or Monthly, See Riverire, Recrurums, etc.

The Word is compound of redux, right, direct, and fin, I

RECTIFICATION, in Chymiftry, is the repeating of a Diffil-lation or Sublimation several times; in order to render the Sub-flance puter, finer, and freer from Aqueous, or Earthy Parts.

See DISTILLATION Redification is a reiterated Deparation of a diffill'd Matter, e. gr. Brandy, Spirits, or Oils; by paling them again over their Faces, or Mare, to render them more fubrile, and exalt their Virtues.

See Spirit, or.

See Straut, or.
Firt's Sha ser redified by Calcination, Difficultion, or PolFirt's Sha ser redified by Calcination,
Mental ser redified.

Mental ser redified, 1. e. of social by the Copyel, Regular's, by
Recruited Fision. Vo. See Merzat, Restraints, or.

Recruited Total or. 
Recruited T

To retiff the Circle, therefore, is to Spaare it: Or rather, both the one and the other are impossible. For the various Attempts to reclair the Circle, in order to the Quadrature, &c. See Quadrature of the Girde.

The Religiousists of Certes is a Branch of the higher Geome-ry's wherein the use of the new-invented Integral Calculus, or coverto Method of Fluxions, it very configenum.—For, tince a Curve Lice may be conceived to confift of immercable right

Carve Lies may be conceived to conflit of immerable right Lines, inshirtly finall, if the Quantity of once of tem be found. Lines, inshirtly finall, if the Quantity of once of tem be found. Lines and the conflict of the Carve. Thus, face MR\_mds, sit = 2g, and therefore Mms, or the Element of the Carve, will be  $y_i de^i + y_i de^i$ , then the con-traction of the Carve, will be  $y_i de^i + y_i de^i$ , the con-traction of the Carve, will be given the con-traction of the Carve, with the con-traction of the Carve, which being integrated, given the larged of the Carve. See Catecture, Integral and Feuris-taged of the Carve.

Indeed, the Element of the Curve is fometimes modioully determined from fome particular Circumfunces; Instances whereof we shall give in the Religication of the Parabola

### To recify the Parabela.

For, the Parabola, we have adx=aydy  $a^{2}ax^{2}=(y)^{2}ay^{2}$  $\begin{array}{c} a^{n}ax^{n}=ay^{n}ay^{n}\\ \sqrt{\left(da^{n}+dy^{n}\right)}=\frac{1}{2\pi^{n}}\sqrt{\left(dy^{n}+dy^{n}\right)^{n}+a^{n}}=0, \quad \forall \left(ax+dy\right):a\\ \text{To render this flamment of the Curve Integrable; the tree refolved into an Infants Series; <math>\beta$ See Sextras.) Then in a general

Theorem.  $s=_2 s:=_1 P:=s^2 Q:=_4)^4: s^2 Ps: s:=_s:=_A$ 

200 AQ=10.49": 03=-29": 0=B

 $\frac{m-n}{n}$  BQ=-1.  $\frac{2y^2}{3}$   $\frac{4y^3}{3}$ =- $\frac{2y^4}{3}$ =C 28

 $CQ = \frac{1}{2} - \frac{2y^4}{4y^4} = \frac{4y^4}{2} = D$ 

 $\frac{10^{-3}n}{4n}$  DQ= $-\frac{4}{3}\frac{47^4}{4^3}\frac{47^3}{4^3}=-\frac{107^3}{4^7}$ , e.e. in Infinitum. Wherefore,  $d_i \checkmark (aa + 4y) : a = d_j + \frac{2j^2 dy}{j} - \frac{2j^2 dy}{j} + \frac{2j^2 dy}{j}$ 

 $\frac{e^{2}dy}{dt} = \frac{10y^{2}dy}{a^{2}}, \phi_{4}$  Whose Integral  $y + \frac{2y^{2}}{3a^{2}} = \frac{2y^{2}}{5a^{4}} + \frac{1}{3}$ 

The Recupitation of the Paradous interestic depends on the Quadrature of the Hyperbolic Space.

It is to be here noted that all Integrations or Summations, are reduced to the Quadratures of Curves; in what Cafes foever they be used, fo that to have them periods, the Rule had down under Quadrature of the Logific Carve, must be observed through-

### To Rellify the Cyclaid.

Let  $AQ \equiv \pi$   $AB \equiv \pi$ , then will  $Qq \equiv MS \equiv d\pi$ ,  $PQ \equiv \sqrt{\kappa - x_0}$ . And hence  $AP \equiv \sqrt{\kappa - x_0}$  is a confidence of the Timight of the Table APQ and  $AMS \equiv \sqrt{\kappa - x_0}$ . And APQ and  $AMS \equiv \sqrt{\kappa - x_0}$  is the APQ and  $AMS \equiv \sqrt{\kappa - x_0}$ . And APQ is the APQ and  $AMS \equiv \sqrt{\kappa - x_0}$ . Therefore  $AB \equiv \pi$  is the differential of the QQ detailed  $A\pi ch$   $AM \equiv x_0 - 1$ , ads. Wherefore  $f_0 = \pi : ads \equiv ax^2 : a \equiv aAP$  is the ARCh  $AMS \equiv ARCh$   MS ARCH AMS ARCH AMS ARCH AR

Arch Ass.

The Religitation of Curves Mr. de Moivre flews may be obtaind by confidering the Fluxion of the Curve as an Hypothe-nale of a Rechangular Triangle, whole Sides are the Fluxions of the Ordinate and Albeliffs: Care being taken in the Expredien of this Hypothemus, that only one of the Fluxions be remaining,

of this Hypothemics, thus only once of the Fluxions be extraining, as as flow only one of the inductioning complising, see that website Fluxions in restricted; no Example will render that can be applied to  $T^{-1}$  by the  $T^{-1}$  by  $T^{-1}$  by

therefore CD =  $\frac{r_2}{\sqrt{r_2-y_2}}\frac{r_1-2r_2+x_3}{r_2-y_1}+r_2=r_2+r_2-y_2$ And confequently, if  $r_2-y_2$  be thrown into an infinite Series, and the feveral Members of it be multiplied into  $r_2$ , and then the

flowing

Bowing Quantity of each be taken, we shall have the Length of the Arch A.C.

RECTIFIED Spirits, &c. are such as have undergone the Operation of Relifications, or have been distilled over and over, to sperse from them any bettergeneous Matter, which might have as the wind them in the former Distillations. See Rectification of Religious According to the Rectification of the Religious According to the Rectification of the Religious According to the Rectification of the Religious According to the Religious Hence we fay, Spirit of Wine twice relified, thrice rellified, &cc. See SPIRIT

See SPREIT.

The the Rechtlication that makes the Difference between BranThe the Rechtlication that makes the Difference between BranThe the Rechtliff Sprint of Wine. See Branson:
RECUTIFIER, in Navigation, is an Intitrament used for dereming the Variation of the Neutronpois, no roder to rediffy the
Shiph Courle, etc. See Variation and Correct.
It confish of two Circles, either laid upon, or lee into one unclother and So Branson to the Courter that they proposed to the Shiph Courle, etc.

The Courter of the Courter that they proposed to the Courter that they pro-

other, and fo fallened together in their Centre that they repeter two Compatible, the one freeds, the other movemble; period-great two Compatible, the one freeds, the other movemble; period-great two compatibles and the compatible of the compatib

But it the interment be made of Wood, an Index is used instead of the Thread. See Compans. RECTIFYING of Corner, See. See RECTIFICATION. RECTIFYING of the Globe, or Sphere, is a previous adjusting and preparing of the Globe or Sphere, for the Solution of Pro-

Tis done by bringing the Sun's Place in the Ecliptic on the Globe, to the Graduated Side of the Brass Mendato; clerating the Pole above the Horizon, as much as is the Latitude of the Pulse; fitting the Hour Index exactly to redeve at Noon; and Recwing the Quadrant of Altitude, (if there he Occasion) to the

All this is comprehended under the Term, Rellify the

When this is done, the Celeftial Globe reprefents the true Po

flure of the Heavens, for the Noon of that Day it is rectified for. See Gl.one and Spiners.

RECTILINEAR, right-listed, in Geometry, is applied to Fi res whole Perimeter confifts of right Lines. See Figure,

pass whole Perinsens conflicts of right Lates pass whole Perinsens conflicts of right Lates passed on the Perinsens of the Perinsens of Philosophy, refer either to the 4th of Judges, or of willing; and butters whatever comes under the Denomination of Refined, is in other what is true, or what is good. These their pinc city (by-pits show which the Mend ceredies in two Functions of Judges good Williams, but I ravers and Goost, good Williams, but I ravers and Goost. "When the Conference and Conference and Conference and Conference and Conference and Conference and Conference when the Conference of The Conference and Conference was a conference of The Conference and Conference when the Conference are the Conference and Conference when the Conference are the Conference when the Conference was a conference of the Conference and Conference when the Conference was a conference of the Conference and Conference when the Conference was a conference while the Conference was a conference when the Conferenc

Faculty of Judgment, confilts in its Agreement and Conformity to the Nature and Reafon of things; in its determining and eciding about them, according to what their Confiltrations, Properties, Ufes, &c. really are. See Judgment. See also Lo-

The Resistant of the Mind, confidered as it salls, call'd also Moral Resistant, or Uprightsuff, consists in the choosing and pur-daing of those things which the Mind, upon due Inquiry and At-tention, clearly perceives to be Good; and avoiding those that we Evil. See Will.

see Evil. See Will.

RECTITUDINES, in Law, Rights or legal Dues, belonging either to God or Man.

RECTO, in Law, a Writ ufusily call'd a Writ of Right; of
fach a Nature, as that whereas other Write in real Actions are
only to recover the Possession of the Lands, e/r. in Question,
the best by the Plaintiff or his Ancestor; This Aims to recover both the Settin thus loft, and the Property of the thing; to that both Rights are here pleaded together; that of Property, and that of Property and that of Property and that of Property and Josephson if a Man lofe his Caule upon this Writ, he is without all Re-

if a youn tole the Cante upon emer very in a wearout and with the control of the Writ: Reliam paterns, a Writ of tight Parcer; and Reliam olosifom, a Writ of Right Chole. The first is for called, because fear open—It lies only for him that hath Fee-finghe in the Lands fixed for. The Writ of Right Chole, is directed to the Lord of antient Demessia, and lies for those who hold their Lands and Tenement by Chaner, in Fee-finghe, or in Fee-Tail, or for Tenum by Chaner, in Fee-finghe, or in Fee-Tail, or for Tenum by Chaner, in Fee-finghe, to

of Life, or in Dower, if they be ejected out of fuch Lands or

In such Case a Man or his Heirs may see out the Writ of Right Close, directed to the Lord of antient Demestia, com-manding him to do him Right in his Court.

This is slife called breve parture de Rells.
Indeed, the Write of Right Patent is extended in Practice beyoutd in original Intention: For a Write of Right of Dower,
which lies for the Tecant in Dower, is Patent; and so in several

other Cafes. Fitzberb RECTO de Date, a Writ of Right of Dower, which lies for a Women that has received Part of her Dower, and proceeds to to which they minister: As the Reetas Assault of demand the Remnant in the fame Place, against the Eleir. See Relias Capitis Lateralia, Major Externosi,—Misor Externosi

RECTO do Date stade widel holder, is a Writ of Right which lied in Cafe where the Husband having diven Lands and Tennments has affired no Dower to ha Wiley, and he is thereby diven to fase for her Thinks against the Helt, or his Gauckian.

The Carolina of Husband State of the Carolina of the Carolina of Blood, as Brobbest in Gauck-Kind, or Soften, or other pascenters, as Nephews and Naccesy and for Land in Fernander.

Thus, if a Man leafe his Land for Life, and afterwards dye, leaving liftic two Daughtens, and after, the Terant for Life like-wife dies; the one Silter entering on all the Land, and fo de-forcing the other, the Silter to deferred thall have this Writ to

recover her Part.

recover her Part.

Rierro gaussib Duminus remifet, a Writ of Right, which lies in Cafe where Lands or Tenements in the Seigneary of any Lord, are in Denmard by a Writ of Right. It the Lord hold no Court; or at the Payer of the Demandant or Tennat, Rend his Writ to the King's Court, no put the Caute thinker from the Words compared, which is the true and has its Name from the Words compared, which is the true

Occasion thereof.

RECTO de advocatione Ecclafos, a Writ of Right, lying where a Man has Right of Advowsfon, and the Incumbent cying, a Stranger preferes the Clerk to the Charch; and be not having brought his Action of guara Impact sor durens Preference within the Months, has liftered the Stranger to utiny upon RECTO de Custadia Terra & Heredy, a Writ which as to Lands

holden in Capite, or by Knights Service, is become useless by the Stat. 12 Car. II. But not where there is a Guardian in So-cage, or appointed by the last Will of the Ancestor.

RECTO for Difflorer, a Writ which lies where the Lord, in the Court of Common-Pleas does arow upon his Tenant, and the Tenant difelaims to hold of him; upon which Difelaimer he fhall have this Writ.

RECTOR, of a Parifli, the Parfer; or he who has the Charge or Cure of a Parifli Church. See Panaon. If the precial Tythes of the Parifli be Impropriated, i. e. in Lay Hands, inflead of Refer, the Parfon is call'd Viter. See

In England are reckoned 3845 Rectories. See Parish.

In Balgular der reckenned 1948, Rectiones. Ner Parisit.
The Name Redder derects him Gerenna, or Rules, gate
The Name Redder derects him Gerenna, or Rules, gate
deft Geffette. Ser Parisonnes.
Rectrons, is fille the chief Helchie Officer in feveral Parison
Rectrons, is fille the chief Helchie New Months: Anticarly he
fur Rectle is choicin-affect overy three Months: Anticarly he
was choic every fix Weeks. The Altertition was made by the
Legiste of Pipen National III. in 1274. He is choice out of the

Legate of Pope Annease Lat. In 12/20.

While that Faculty, and the Faculty of Theology were united, one Officer had the Inspection of both, under the Title of Chameeller: Upon their Divition, a Redist was created. He makes folema Procession foor times a Year, attended by the Doctors,

tchellors, &r. in their Formalicies. RECTOR is also used in feweral Convents for the Superior, or Officer who governs the Houfe. See SUPERIOR.

The Jestiss use it for the Superiors in such of their Houses, as are either Seminaries, or Colleges. See JESUTY, COLLEGE, SE-

MINARY, 6%.
RECTORY, RECTORATE, a Parish-Church, Parionage, or Spiritual Living, with all its Rights, Glebes, and Tithes. See

HURCH, PARISH, PARISON, RECTOR, &c.
RECTUM. See RIGHT and RECTUDE.
RECTUM, in our old Law-Writers, is also used for a Trial or

\*\*Recurrence Reflaws, for a Trial at Law, or in the common Courtee of Law—Start ad Reflaws, denotes to fland a Trial—
Reflaw regard, to petition the Judge to do right.

RECUM, in Anatomy, is the last of the large Intellines. See

TESTINE. It is thus call'd, because it puffes firsight from the Or Sacrans

it is true castly because it pairs irraigs, include of saints to the saint, without making any turns or Circumvolutions, as all the other Guts do. Its length is ufuelly about a Hands-breadth; and its Capacity, the thickness of three Fingers.

the tractiones of three Fingers.

It upper Part is tied fift to the Offe Saerow, and Coepgis, by means of the Peritoneurs; and in Men to the Nock of the Bladder, in Women to the Pagins Utter! Its lower end, the Anna, is familised with three Minfeles. See Ansur.

The first, the Sphindler And Ferrings to that it, and prevent the Experiments from pating our Involuntarity. See Spiritte-

TER, Or. The other two, the Lenstoves Ani, which ferve to raife or pull back the Restors after the Expulsion of the Excrements; which especially after hard Stools, is apt to be too far protruded. See

EVATOR AND LEVATOR ART.

RECTUS, in Antomy, a Name common to feveral Mufcles; on account of the flraightness of their Course from their Origin to their Infertion; having particular Denominations from the Parts to which they minister; has the Reduc Abdominit, Reduc Femoris,

Major

Major Internas, —Minor Internas, and Redias Palphras.

Annother bordering on Tillow, as Faune-Colour and Orwayse.

Reserves Adminish, is a Malick of the lower Belly, which to Monorate of Carternose is a Medium partialing neither of the and year fraight driven to the foregart of the Adminor, to be one one the other, which is what we properly call Red.

Activators Tillac, 1886, and Molech, more Red; and Red into

ustered in the Or Polsi. See Assissans.

It bith these of but linevirsions, or rather tendinous Coerdinous ci is fichy Fibres, which drieds the Belly of it, air were.

It has Vees and Arriesis, which experien is findle from the Manillary and Epigaltrick Velids, which commarines together, that the Bood may return by the Manillary Caiss, when the Pallings is thorsed by the Epigaltrick which are compressed in Women with Child. Models of the Low, which written from

in Women with Child.

RETURE FROME, is a Muscle of the Leg, which arting from the lower Part of the Spine of the Illum, and defending between the two Vefils, is inferted into the Farild. See Francis.

RETURE Payers, is a Muscle that litts upthe Eye lid; It artist from the Bottom of the Orbit of the Eye, where the Orbit Nerves piece the Canalams, and patfing above the Superbiss. In inferred by a large Tendon to the Border of the Eye-lid. See PALPEBRA.

RECTUS Capitis Lateralis, a pair of short thick fleshy Muscles, tiling from the superior Part of the Transverse Processes of the first Vertebra of the Neck, whence it ascends, and isinserted in-to the Os Occipatis. See Fig.an.

Its use is to move the Flead laterally towards either Shoulder: When they act together, being Antagoniths, they keep it fleady.

RECTUS Externes Capitis Mojor, the third pair of Muscles of the Head, arifing flefly and tendinous from the upper Part of the dou-ble Spine of the focond Vertebra of the Neck, and fpreading in its Afcent, is inferted into the Polterior Part of the Or Occipitis.

It serves to draw the Head directly back upon the first Ver-RECTUS External Miner, a Pair of Muscles arising from the Hind-part of the first Vertebra of the Neck; and inserted into the middle of the Os Occipitis.

me middle of the Co Cripitit.

It forcys likewith to draw the Head directly backwards.
Thefe two Muddles are also call'd Research.

RECULD Internal Capitit Major, a Flar of Muddles arting from the Forcytust of the five Interior Transferd Proceifies of the like Venetion of the Bock, near its great Field.

RECULD Internal Foliator, because Holes, the first Venetion of the Sock, near its great Field.

RECULD Internal Foliator, the Control Forcytus of the inferted reads, like the Red Major, or the Belegory and its interest tebra, like the Rellus Allows, on the Back-part; and is inferted into the Anterior Appendix of the Os Occipitis, immediately un-

der the former. These serve to not the Head forwards, being Antagonists to the Reslus Externus, or Ressens, on the back of the Head; and are hence also called Annuality.

RECTUS in Caria, in Law, is one that flands at the Bar, and

no Man objects any thing against him.

When a Man hath reversed the Outlawry, and can participate of the Benefit of the Law, he is Reilin in Carla. See Our-

RECURRENT, in Anatomy, a Nerve arising from the Par Pagum, and distributing several Branches to the Laryox; to assist

in the formation and modulation of the Voice; thence also call'd
the Vocal Nerve. See Newve. Voces, &c.

It has its Name Recurrent from its regionding or running back

again from the Thorax, to the Larynx.

Thele are really two Recurrents, right and left; the left atiles from the Trunk of the Vagans; the right from a Please thereof, immediately under the Classick.—They both run up along the Trackes, to which they impart some Twigs, and end at last in the Mufeles of the Laryna

Their Office appears partly hence, that a Dog is not able to bark after they are cut. See Larynx. RECUSANTS, Perfous who refuie to acknowledge the King's

Supremscy. See Supremacy.
Such are the Roman Catholicks, who hold the Pope to be over him; hence called Popil Resulants. See Port and

The Romanifts are not charged with double Taxes, etc. meer-

The remaints are not enarged with double 1 ARES, 674. Incer-ya a Romanish, but as Resignatt.

RECUSATION, an Act whereby a Judge is defired to re-riant from judging some certain Caule, on account of his Relati-on to one of the Parties; of fome Capital Emmity, or the A Relation within the fourth Degree, is deem'd a legal Cause of Recusarion, as also the Judge's being God father, &c. of one

of the Parties RED, in Physicks, one of the simple or primary Colours of natural Bodies, or rather of the Rays of Light. See Body, Ray,

and COLOUR. and COLOUR. The Rays are those of all others the least refrangible: Hence, as Sir Islan Newton supposes the different Degrees of Retrangibility or sair from the different Magnitudes of the luminous Particles whereof the Rays consist; the red Rays, or red Light, is concluded to be that which confish of the largest Particles. See RESEANORDHAIT.

Authors diffinguish three general Kinds of Red: One horder-ing on the Blee, as Calendare, or Dove Colour, Purple, and Crimion. See PURPLE, e.

er bordering on Willow, as Flame-Colour and Orange

Between theie Extremes is a uncoming partnering neither of the one not the other, which is what we properly call Red.

Acids turn Black, Blue, and Violet, into Red; and Red into Yellow; and Yellow into a very pale Yellow.—Alculis change Red into Violet, or Purple and Yellow into feuillemore, or dead Leaf Colour. See Acto and Alculis.

Terrettrial and Sulphureous Matters become Red by extreme Heat; and fome, at length, Black; as we fee in Brick, red Bole, red Chalk, State, Pumice, ebv. which when virtified by a burning Glafs, become Black. Lobfters become Rul by a moderate Fire; and by a violent one, Black. Mercury and Sulphur mix'd and heated over a mo-

icrate Fire, make a beautiful Red call'd Artificial Citmahar,

An acid Spirit, as Lemon Juice, being poured on a blue So-tion of Turnfol, turns it into a beautiful Red.—Alkali reftores it lation of Turnfol, turns it into a beautiful Red.—Alkali reflores it to its original Blue. Filtrating of the reddig! Wine takes from it all its red Colour.

all its rest Colour.

M. De is Hier observes, that a very luminous Body viewed through aBlack one, always appears Real: As when the Sun is feen fining through a black Cloud. He adds, that many People who fee all the other Colours perfectly well, yet have no Idea of Real. and only fee it as Black. See BLUE.

RED, in Dying, is one of the five Simple or Mother Colours the Dwes. See Dying.

of the Dyers. See Dyrne,
See Dyrne,
Seene reckon (see Redu or Calts of Ret. vin. Sueht Ret.
Comfor Ret. Made Not. Half-Gran Ret. Lively Owang Ret., and
Comfor Ret. Made Not. Half-Gran Ret. Lively Owang Ret., and
Comfor Ret. Half-Comfor Ret. Lively Owang Ret., and
Comfor the three procipal Durag which give the Calona;
The fire Search, could Sueht of the Calona, tamed Again,
The fire Search, could Sueht of the Calona, tamed Again,
The fire Search, could Sueht of the Calona, tamed Search Grins, or Vermillion. Some Dyres and Search
Conformation of Vermillion. Some Dyres and Cachined,
and Search Grins, or Vermillion. Some Dyres and Cachined,
and chem Feminger's tophytosing it with four Waters, Again
Conformation of Vermillion.
Ministry See Carlos flow Water, Turns, and Cochined
Ministry. See Carlos flow Water, Turns, and Cochined
Ministry. See Carlos flow Water, Turns, and Cochined

Meftique. See CRIMSON.

Methique. See CRIMSON.

Massier Ray is made with Madder; to which some add Realgal, or Arfenie; others common Salt, or other Sales, with Wheat
Flower; or Agustic with Spirit of Witse, with Galls or Turmeric. See Manders.

ric. See MADDER.

The Half-Greis is made with Aguic and four Water, half Scattles Crum, half Madder, and fonceimen Turmeric.

Seather Crum, half Madder, and fonceimen Turmeric.

As to the third Poorage Red; the Statle most he first last in Yellow, then in a Lispost made of Gout's listic, (which has been booked forcest items with Madder, and now) distilled over the Madder, and the Madder over the Crum, and 
Tartar, and Cochined; after first boiling it with Alumn, Tartar, Sal-Gemma, and Aque-Fortis wherein Tin has been diffelent See Cochinera. Belides these seven Rest, which are good and allow'd Colours, there is also a Brafil Rest; which is discouraged, as fading easily.

Of the feven good Reds, only four have particular Caffs on Shades: The Massler Red, Crimfon Red, the Brelly Orange Red, and the Starlet of Cochines.

The Caffs or Shades of Crimfon, are the Flesh-Colour, Peach-

The Carls or Nuders of Contine, are the Plack-Colour. Peter-Colour. Crumine be foot Colour. and Appl-Time-Disort-Colour-Colour. The foot Colour. and Appl-Time-Disort-Colour-al Plance Colour—Thois of the Contine. On the Plack-Colour. and Plance Colour—Thois of the Contine. On Shader of all the rest has four peculiar to it is if, at Charles Colour. A colour period is Rest. in Planting—For Planting in Old Colour they of the Red Carls Consider or Vermillion; and mother call Lane. See each in 19 Place, Crossan, N. Frantinson, and Laces, and the Carls of Colour period is replaced to the Colour period of the annual learth found in Explant, but shifted of Laces they are a named learth found in Explant, but shifted of Laces they on. See Restant, Conc., chr.

Ohr. See REDDLE, OKER, &r. RED, in Herakity. See GULES. RED, in Conneticks, a Fucus or Paint wherewith the Ladies

enliven their Cheeks and Lips.

There are two Kinds of Reals; the one in Leaves, call'd Spanish

Red; the other a Liquor, which is an Extract of Scarlet Dye.

Red, the other a Licony, which is in Euro2, of Scarlet Dys.
Ren Oxfelio. Sci. Assexs.
REDDINDUM. in Lew 3. Caude in a Lette, 6-v. whereNEDDINDUM. in Lew 3. Caude in a Lette, 6-v. whereNEDDINGUM. on nation Lew 19-run for a Terrica,
Red. Dir Renzi, in which the Rents and Services of Manourar et a Grown. See Root, and RENT. TERRITAL OF.
REDDILTION, is Lew 8 is a Joseph Acknowledgement that
REDDILROS, in Lew 8 is a Joseph Acknowledgement that
REDDILROS, where a Red See Red to long Saps. I ne Goldmans and Guices and use a to built the Gold-Lest they use.—Some call Really, Lapis Hematites; supposing it to have a particular Faculty of stopping Blood: But

others will have the real Hamatites to be another Stone.

HEMATITES
REDEEMABLES, are Lands, Funds, &r. fold with a Refervation of the Equity of Redemption. See REGEMETTON.
Crown Lands are resteemable for ever; others only for a cer-See Fund

uin time. See Fuyn.

REDEMETION, in Law, a Faculty or Right of re-entering upon Lands, &c., that have been folds, and affigned; upon reinhuring the Purchase-Money, with legal Cofts.

Regists wherein the Faculty, or as form call it, the Espaity of
Redemption, is referved; are only a Kind of Pignorative Con-

A certain time is limited, within which the Faculty of Re-designon shall be exercised; and beyond which it shall not ex-REDEMPTIONS, in our old Law-Writers, denot

Mults imposed by way of Communition for the Head or Life of the Delinquent. See RANSOM and MISERRORDIA.

of the Delineuers. See RANSOM and MILESTRONDEA.
REDEN'S OR TREAMS, in Fortification, a Kind
REDEN'S OR TREAMS, in Fortification, a Kind
of Work indexed in Form of the Tech of a Saw, with Sailen and Re-entiring Angles, to the end that one Part may deind another. See Works, DEPENCS, 6%. It is also called Saw-work: The Faces Flank one another,
Rodon are frequently used in the fortifying of Walls, where
Rodon are frequently used in the fortifying of Walls, when
the man tracking to be at the Reproce of building believing; as

when they stand on the Side of a River, a Marsh, the Sea,

The Parapet of the Corridor is frequently resented. RAPET and COUNTERSCARP REDINTEGRATION, in the Civil Law, the Action of

refloring a Person to the Enjoyment of a thing, whereof he had been illegally dispossessed. in France, where a Person is desposled of his Property, he claims it again by a Restitutors of Action of Restitution.

The Resistegrand must be demanded within a Year and a Day, otherwife it is precluded.

REDINFEGRATION, in Chymidry, the reftering of any mixt Body, or Matter, whose Form has been destroyed by Calci-nation, Corrosion, Sublimation, or the like; into its former Nature and Constitution.

The Redutegration of Mercury is properly call'd Revification. See REVIEWATION.

Mr. Bryle has an express Treatile on the Redutegration

Mr. Bayle has an exoreta a resuse of the King of the Salt-Petre, where he shews that after reducing it by Fluxion into fixed Nitre, which is next of kin to Salt of Tartar in all its Properties; he could preferrly Realisterate it by pouring a fuf-ficient Quantity of Spirit of Nitre to it; i. e. he could re-produce true Crystals of the usual Form and Virtue. See Salty-FIRE

"Is a frong Objection against the Chymical Principles, that you cannot resintegrate the Body they were procured from, by re-mixing them. See PRINCIPLE and ELEMENT. This seems to argue that the Body did not properly confift of

The Berner was a server of the first of the property confided of the Bleenest. Of the they were not onlying commission in its law were misser produced by the Figs. See Faus, etc.

REDHIBITION, in the Cerl Law, an Alchin is a Court and Experiment of the See Faus, etc.

The Addition in the Cerl Law, and Alchin is a Court of the Cerl Coles in the Body of the bleenest of the Cerl Coles in the Body of the Cerl Coles in the Cerl Coles in the Body of the Cerl Coles in th

his Lands or Periodicine, call'd a West of Redifficies, RED-MANS, or RADMANS, in Domeitsy, and other anticut Books, are probably the firme with Rod, or Rad-Kniphrs; viz. Men who by the Tenure or Cuttom of their Lands were to ride with or for the Lord of the Manour about his Buff-

ned.

REDOUBT, REDUCT, in Fortification, a finall figure Fort, without say Defence but in Front; used in Trenches, Lines of Circumvalation, Contravillation, and Approach; as also for the bodging of Carps & Grads, and to defend Pallager. See Foor, to large the property of the property o Work, for the Security of the Neighbourhood: Their Face confilts of from ten to fifteen Fathom; the Ditch round th eight to nine Foot broad and deep; and their Parapets have the me thickness

The Word is form'd from the Latin, redullar, REDRESSING, the rectifying or fetting of any thing ftraight again. See RECTIFICATION.

Trees and other Plants have a natural Faculty of redressing themselves, when by any external Cause they are forced out of the Perpendicular. See PERPENDEULARITY. To restreft Grievances, is to reform or remove them To restrift a Stag, among Hunters, is to put him off his

hinges. REDSEAR. See Iron REDUBBORS, those who buy stollen Closths, ev. and to

See the Eod they may not be known, turn them into some other Co-

lour or Fathion, &c. (REDUCING Scale), is a thin broad piece of Box, with feveral different Scales of equal Parts, and Lines thereon; for turning Chains and Links into Acres and Rock, by Inspection. See Re-

It is used by Surveyors to reduce Maps or Draughts from one Dimension into another: It is sometimes call'd the Surveying Scok.

See SCALE.

REDUCT, is a military Term, figurifying an advantageous ploco of Ground, entrench'd and feprated from the reft of the Place, Camp, &c. for an Army, Garrifon, &c. to retire to in ife of Surprize

Cane or outputze.

REDUCT, in Building, a Quirk, or little Place, taken out of a larger, to make it more uniform and regular; or for fome other Convenience, as for little Cabinets aside of Chiemerys, Alcoves, etc. REDUCTION, REDUCTO, is the Schools, a memor of

einging a Term or Proposition, which before was opposite to

fome other, to be equivalent thereto.

Redullism is effected by the Addition or Retrenchment of a Negative Particle. Thus to reduce this Proposition: No Man 

As here, Only Assistant think; that is, Animals think, and no-thing befile Animals think.—Where the Proposition proceeding the Particle, is reduced, and the Subject of the Redullion; that

following the Particle, reducts, and has the Effect of the Predicate of the Reduction: And the Particle that is, acts as a Copu-

cane of the Redulber's And the Particle fast in, aft as at Cappela, improving no borry than the Proposition is expected by an improving no borry than the Proposition is expected by a factor of the Particle Fast of the P

The other Indirell', call'd per Impossible, or ad Absurdam, when by the Person who denies the Goodness and Legitimacy of an im-pertect Syllogism, is reduced to affert or grant something absurd and impossible; or contradictory to some other thing maintained by him.

Suppoie E. gr. a Person granting the Premistes of the follow-ng Sylkogitm, denies the Cocclusion.—All Fraud is probibited, but lowe Trading is not probabilised, therefore fow Trading is not Fraud. —We thus proceed against birm: If the Syllogism be not good, the Astecedent is just, but the Confequent falls; and therefore the contrary of the Conclusion must be true: Now, I take the contrary of the Conclution which you thus give, wax, all Trading is Fraud; and of that with the other Premile of the former Sylis Fraud; and of that with the other Frentite of the former by-logifin, vie. the Mujer, which by oil fewride grain. make a new Syllogifini, thus, Adl Frand is prehistrate, all Traking in Frand is terribries all Traking in prehistrat. But this Proposition, all Traking is prehistrat; and the other, fines Traking is prehistrat, which granted me in the first Syllogifin, are Controlloforms. REDUCTION, in Arithmetic, is the converting of Monties, While and Majstire into the fine Value is other Demonsi-

Pounds into Shillings and Pence; or Shilli nations; e. gr. Pounds and Pence into Pounds.

and Fence Into Poussol.

The Radolivas of the principal Moneys, Coins, Weighta, and
Meashrea, Antient and Modern. Foreign and Domethick, are
found under the rejective Articles, Moneys, Cons. Wassers,
Mazeuras, Fourso, Foor, &c.
Redolitis is of two Kinds: 17. Defendings; when a Quantity
resist to be brought from a higher Denomination to a local
This is done by centificing how more of the next lei Denomination.

instion are contained in the next greater before, and by that

ministion are contained to the feet greater Decore, as we shall be a contained to the feet greater than a superficient property of the greater than a property of the property of the greater than a property of the grea

and 24. And Averdopsis The 2°. Aftersing; when a lower Depomination be to be re-duced to an higher.

In order to this, divide the leaft by fo many of its Denominations are contained in the next greater: Thus 24720 Pence, divided by as are contained in the next greater: I min agysto Prince, division in the next greater: I min agysto Prince, division in Large and the Contract of the Contra

To expudie the Practice, Sevent compendium Weys or ex-define have been invested. See Pleaseries.

Thus IEs are turn'd into Yinds, by adding a four-th to the Number of Yinds; and into IES Sevello by adding a fine-the sevent of the property of the property of the Planis' reduced to Elia English by multiclying by first and cutting of the right hand Figure See Elia. Cer. Great Pounds of Silk of a 50 hourses, are reduced to Pounds of 60 Ounces, by produce out Half. Pounds of 40 Ounces in REINDERTON OF THE PROPERTY OF THE PROPERTY OF THE REINDERTON OF PROBLEMS. THE PROPERTY OF THE REINDERTON OF PROBLEMS. THE PROPERTY OF THE REINDERTON OF THE RESEARCH SINGLESS AND THE RESEA

REDUCTION of Equations, in Algebra, is the cleaning them from all (uperfusions Quantities, bringing down the Quantities to their lowest Terms, and separating the known Quantities from the unknown; 'ull, at length, only the unknown Quantity is found

unknown; 'thi, at length, only the unknown Quantity is itomotoon one code, and unknown once an the other. See EQWATEN.

The Readine of an Equation is the laft Part of the Reconstruction of the Problem. See Resourcion.

The read of all Algebraical Operations, is to have the unknown. Letter alone in one Member of the Equations; and in the other, all the known Letters, without any mixture of unknown; for, in this Calis, it is resident the Value of the unknown Quantity is

found.

This Redultion is effected by adding the Quantities fub@tracted, fubilizating those added; multiplying those divided, and di-viding those multiplied; extracting the Roots out of Powers, and raising Roots to Powers; so as still to preserve an Equality. See This furfices for the Redollier of fimple Equations; but for higher Equations, the Process is less obvious.

From the manner wherein Powers are form'd, 'tis evident, that as the unknown Letter is rais'd to a higher Power, it will be found, in its lower Powers, mix'd and combined to many more times with known Quantities, and of confequence will be fo much the more difficult to be disenged therefrom. And the difficulty is the fame, where there are feveral unknown Letters

multiplied fingly one against another, and again multiplied by known Letters. See PROBLEM.

The Reddies of the Equation being made; from the last Quantity thus gain'd, the Geometrical Construction is to be dedu-See Congressions

ccd. See Constructions.

REDUCTION of a Figure, a Defen, or Drawght, is the making a Copy thereof either larger or smaller than the Original; fillipreferving the Form and Proportion. See Froura.

The grand ult of the proportional Computies is in the Reduction of Figures, 6r. whence they are also called Computies of Redultum. See Companies.

There are various Methods of reducing Figures, &c.,
The most easy is by means of the Pentagraph or Parallelogram; but
this has its Defects. See Printagraph or Parallelogram; but
The best and most usual Methods of Resulting, are as fol-

low

low.

2 Figur: As BECDE, Tal Genery, F.g. 64, in p. 22 roder, a Right shows the middle of the Engineering Asset the middle of the Engineering Asset the middle of the Engineering Asset and Engineering Asset Asse

er. Parallel to the Sides at, ab, occ.

### To reduce a Figure by the Angle of Proportion.

Suppose the Figure ABCDI (Fig. 6c) required to be duti-mized in the Poperoiss of the Line Abi of Fig. 6c) the middle in the Poperoiss of the Line Abi of Fig. 6c) the the identifies Line GH, Fig. 6c) and from G to H fit off the Line AB . On G deliction the Aris Lill. See G fit the Line Abi of Line Abi year better abi of Line Abi of Line Abi of Line Abi of Line Abi year here abi of Line Abi of Line Abi of Line Abi of Line Abi on the Funct O definite the Abi of Line Abi of Line Abi of Line and Line Abi of Line Abi of Line Abi of Line Abi of Line Abi Abi of Line Abi Abi of Line Abi Abi of Line Abi Abi of Line Abi Abi of Line 
the Figure. To reduce a Figure by a Scale.

## Measure all the Sides of the Figure, e. gr. ABCDE, by a Scale;

and lay down the fame Measures, respectively, from a finaller Scale in the Proportion required. See Scale. To reduce a Map, Design, or Figure, by Squares. Divide the Original into little Squares, and divide a fresh Paper

of the Dimensions required, into the same Number of Sources

of the Dimensious required, into the sim: Number of Squares, which will be legacy or dask than the forents, as the Map is to be integred or dimension.

For the dimension of the state of the REDUCTION to the Ediphs, in Altendomy, is the difference between the Argament of Latitude, as INS, (7th 4-48 through, Fig. 24.) and in Arch of the Ediphs INS, interception between The State of the Third State of the Third State of the Third State of the Third State of the Third State of the Stat

To find the Redaction: The Angle of Inclination PNR, and the Argument of Latitude NP being given; find, by the Dock-rine of Sphericks, the Arch NR: Subtract NR and NP from each other, the Remainder is the Reduction.

REDUCTION into the first Matter, a Term which the Alchymists use when they find their Substances putrity, and grow

black. Or rather Rehellion is the conversing of a dry Matter into a Liquid, particularly Water; which they hold the Principle of all things. See Warras, Pariserviae, of the Matter or Principles, "The Rehellion of Mensis into their first Matter or Principles, they teach; can only be efficied by Mercury; nothing elle be-log able to louden the first dishiptor of metallic Bodgie, which bands them together. See Marxas and Masseowx.

REDUCTION, in Chrurgery, is an Operation whereby a diffo-cated, luxated, or fractured Bone, is relitored to its former Place. See Bone, LUXATION, DISLOCATION, FRACTURE

See BOME, LEMEATION, DILICOLATION, FLACTURE.

The Rolletin suivey performated to any Remoth benyiled. The Rolletin suivey performated to a Western Street, as sting from a faperfulity of Words. See Plezonass.

Worth, perfectly fromtomous, are Reshoulest, and ought to be remeated.—Rolleting makes the bryle work and languate the street of the Rolletin suited from the Rolletin Street in excents the Confess Section of the Rinds in the Number of in Hyperbolical Legs; being a Triple Hyperbolica, with int Hyperbolical Legs; being a Triple Hyperbolica, with int Hyperbolical Legs. See Course and Hyzer. REDUPLICATION, in Risctoric, a Figure wherein a Verse egins with the same Word as the preceeding one ends. See

VERSE. REDUPLICATION, in Logick, is a Kind of Condition express'd

REDUPLEATION, in Logick, is a kine or Constitute or where the a Projection, indicating or alligange the Manner whereas the Processes is attributed to the Subject.

The usual Reduplating Words are quaterns, as, fo far as, confided as insoftward as, over. Hence, REDUPLECATIVE Properties, are fact, wherein the Subject in repeated, with Enter Circumstance or Condition: Thus, and the control of the Reduplating are Restouch; Kinge, as Kings, are fullyed: to more har Clerk. none but God. REE, a Portuguezo Coin. See Conv and Millere. REED, an amient Joseph Menture. See MRASURE.

Answerable to this is the Canna or Cane of some modern Na-

REEF, a Term in Navigation-When there is a great Gale of Wind, they commonly roll up Part of the Sail below, that by this means it may become the narrower, and not draw so much which contracting or taking up of the Sail, they call a Reef. or Reefing the Sail

OF Refug rev sant.

So also when a Top-Maft is sprang, as they call it, that is, crack'd, or simost broken in the Cap; they cut off the lower Pacer that was near broken off, and seeing the other Part, now much shorter, in the Step again, cell it a Ref<sup>2</sup>Tap-Magf.

REEL, in the Manufactures, a Machine kerying for the Office of Pachas.

fice of Reebeg. See REELING There are various Kinds of Reals; forme very timple, others

There are various Kinds of Ruly (force very furnles, other very complex; of the former Kind, who for mol in use are. I'. A little Ref lack) in the Hand, consisting of there Piece I'. A little Ref lack) in the Hand, consisting of the Piece cost a Foot and a bill in keeply, and of a which the one are exceed a Foot and a bill in keeply, and of a which the is traverised by two other Pieces disposed different Ways. 24. The Geomes Ref, or Mindigs, which turns upon a Proof, 24. The Geomes Ref, or Mindigs, which turns upon a Proof, and the Rule Ref. of the Rule Ref. of the Rule Ref. of the the Skin to Ways, turnered by Josep Pine or Skick, whereout the Skin to Ref. of the Rule Ref. of the Rule Ref. of the period where, according to the Skin. pen'd wider, according to the Skain.

Other Reels used in particular Arra, are explained under their sericular Articles; as the Reel used in the milling of Silk, under particular scious; as the area unou in top innoung or ones, unour the Article MILLING: And that in the Realing or Winding of Silic, under the Article Silks, &c., REELING, in the MinutaCories, the winding of Thread,

Silk, Cotton, or the like, into a Skain, or upon a Bottom; to

prevent its intangling. See STEAR of a upon a Bottom; to prevent its intangling. See STEAR of a Tits also used to the charging or discharging of Bobins or Quills, to use them in the Manusacture of different Stuffs, as Thread, Silk, Cotton, &c.

Sills, Octon, ér.
Redite is performé different Ways, and by different EnRedite is performé different Ways, and by different EnREFERTÉRING Augs, in Fortification. See Austra.
REFERTÉRING Augs, in Fortification. See Austra.
REFERTÉRING Augs, in Faction of Walsh Polificion
on which we had lendy fort-spone. See Everav.
As if I make a Latie of Land, or Tennement, I do therefore
As if I make a Latie of Land, or Tennement, I do therefore
That for Non-propriet. Sei as a mand as I for it find he kayfid for me to Re-error: this as a mand as I for it find he hasfid for me to Re-error: this as a mand as I for it find he ful for me to Re-enter; this is as much as if I conditioned to take again the Lands. &v. into my own Hands, and to recover the Politicism by my own act, without the Affiliance of Judge, or

other Process

RE-EXTENT, in Law, a fecond Extent made upon Lands
or Tenements, on Complaint made, that the former Extent
was partially executed. See EXTENT.

REFUR of a Chardo, in the Guardin of it; or the ChurchWarden. See Cxurcu-Warden.

So, Slive-Reeve is the Sheriff, or Guardian of a County. See

SHERIFF.
And Part-Reeve, the Warden of a Port or Haven.

REEVING, in the Sea Language, is the putting a Rope through a Block.—Hence, to pull a Rope out of a Block, is call'd

REFECTION, among Monks and Ecclefulficles, a Repatt or fpare Mest; meetly furficing for the support of Life. See MEAL and REPAST.

Refolion is also used in antient Authors for a Duty or Service incumbent on any Person to provide Meals, for Ecclesiasticks, or even Princes. See PROCURATION.
REFECTORY, or REFECTUARY, a fractions Hall in Convents, and other Communities, where the Monley, Nuns, &c.

take their Refections or Meals in common

The Refelloy of the Breadfliner of St. George at Venies, de-figned by Pallacin, is one of the finelt in the World. Daviller. REFERENDARIUS, in antient Customs, an Officer who ethibited the Petitions of the People to the King; and acquire-

an Officer of this Kied, Spelson observes, we had in Esg-

lend, in the time of the Saxon.

REFERENCE, in Writing, eve. a Mark, relative to another fimiliar one in the Margin, or at the Bottom of the Page; where formething omitted in the Text, is added; and which is to be inferted either in Reading or Copying. See Cita-

A Copift must be very expert at taking References.—Referen-es are silo used in Books; where, things being but imperfectly handled, the Resder is directed to some other Part or Place where

unniels, the Resider is directed to fome other Fart or Place where they are more amply explained.

Difficunties are full of References; denoted by \$e\_0, or \$ide.

—By mans of their Reference, the Difficunties factle as Con-religionates of their Reference. The Difficunties factle as Con-religionates between the feveral Parts of his Work; and gives his Difficunty most of the Advantages of a regular continued Treastic. See District News.

Induces or Tables are only References to the feveral Parts of the Work, where the feveral Matters are handled. See Innas. REFINING, the Art or Act of purifying a thing; or of readering it finer, cleaner, and purer. See Puritring, and

Refining is chiefly understood of Metals, Sugar, and Salts. See METAL, Or.

#### REFINING of Gold.

The Refinites of Gold is perform'd three Ways: Either with Assumony, with Sublimate, or with Aqua-Fortis; which lait Method, much the most usual and least dangerous of the three, is call'd Depart, or paring; the Process whereof she under the

#### Method of Refining Gold with Antimony.

They here use a Wind-Furnace; (a Description whereof may be seen under the Article FURNACE), with an ordinary Cracible, of a Size answerable to the Quantity of Gold to be retined; observing that the Gold and Animotory together don't above half

The Gold being melted in the Crucible, the Autimony is frown in, in Powdern—The Proportion of the Mineral to the Metals, is eight Ouncers to a Pound, if the Gold be between as and 16 Carrats fine: If it be beneath 16 Carrats, they use about free Quarters of a Pound to eight Ounces: The counfer the

five Quirters of a Pount to eggs; the course, and content of Gold, hill the more Antimony is required.

As foca as the Antimony is in the Crucible, 'tis cover'd up; and after changing the Furnace with Charcool, they put on its Capital; which itends till fuch time as the Crucible be left quire. hire; then, the Capital being taken off, and the Crucible for to cool in the Furnace at felf, till fach time as it may be taken out

by the Hand, they break it, to get out the Batton or Callet, which is a Mass of fine Gold remaining at the Bottom with the Faces of the Aotimony the Silver and Copper alloy and sometimes intelligence of Gold it felf over it.

Though the Gold thus prepared be very pure, yet the Anti-mong gives it fach a burth brittle Quality, that it ceases to be Ducklie; and must be soften'd by the Fire with Salt-petre and

Borax, to bring it to itself. For this Operation they prepare what they call a Dry-Opped; that is, a Cappel made of Crucible Earth, which does not im-bete like the Cappels made of Aftier See Coppez. The Coppel being fufficiently heated in the ryfavige Furnace, they part the Gold in is, and cover it up with Chescol.

As foon as the Gold is difficient, which is very foon, by sea-foo of the remains of the Antanony, they blow is with the fiel-low to drive the Mineral entirely seary, which now goes off in Smooky, adding to it, as foon as the Fornes ceale, a first Salt-peter and Boras, in Powder; which collect the Impairities re-taining upon the Difficiention, and fire the Gold in the Coppel,

in form of a Plate.

The Gold being taken out of the Coppel, and meted of effelt in a Crucible, with an Addition of two Ounces of Sale-pere and as much Borax, in Powder to each eight Ounces of Gold, as foon

as much Borns, in Frowler to each eight Obnecie of Gold, as from as it ceales to fune, they call it into an loggy; which upon titll it found 32 Certats, a6 thirty faconds finer.

Arto the Partitles of Gold which may have been left behand with the Allor in the Faces of the Antimony, they get they with the Allor in the Faces of the Antimony, they get they are not found to the Company with the time Mckings and Ingeoficiens as an old ally clouding, the former—had when they are siltered, by the Edit Mcking, the former—had when they are siltered by the Edit Mcking the former—had when they are siltered to the Company of refine it to separate the Copper; and afterwards make the Depart

part.

As to the Gold which may be left flicking to the dry Coppels,
they get it out by breaking, and polverizing the Cruchbes, and
by repeated Lotions of the Powder thereof in feveral Waters;
much after the manner of the Levashov's. See Lavasones. Refining of Gold by means of Sublimate.

# The Process is begun like that with Antimony; i. e. in the fame Furnace, with the fame Coal, the fame Fire, and the fame

The Gold being melted in the Crucible, they can in the Sub

The Gold being melted in the Cuckelle, they ceil in the Sul-limens, no piporically, but only being be [Seen—An on the Prince.]

In the Ministry of the County of the Coun

of it crossed.

This they report again and again, til all the Importisies of the This they report again and again, til all the Importisies of the Martine This they report again to the This they report again to the This they are the This the This they are the This

that the Poison of the Antimony is flower than that of the Sub-See Sublimate, & Binate. See SUBLIMATE, Cr.

Gold may also be refused with Lead and Ashea; but this is a
Method feldom used, excepting in Essays. See Essay.

### REFINING of Silver.

There are two Ways of refining Saver: The one with Lead; the other with Sale-petre. The best and cheapest is that with Lead; though that with Sale-petre still obtains in many Places, for want of Workmen who understand the Process of the latter. We shall here only give that with Sale-petre; referring for the other to the Article Silvers.

other to the Article SILVER.

Refining units Sall-parte is performed in a Wind-Famuce.—The
Silver to be refined having been reduced into Grains, of the Size
of a little Pea, by pouring it, when methed, into a Tub of common Water; 'th heated over again in a Boiler. After this they
port it in a Cruedble, and along with it, to every eight Ounces of
Metal, two of Sill-peter.

The Crueible is now covered up with an Earthen lid, in form of a Dome, exactly luxed; which lid, however, is to have a little Aperture in the middle.

the Asysteme in team inside.

The Crucible being pur in the Furnace, and cover'd with Charcool, which is only to be lighted by Degrees, at length, they give it he full force of the Fire to put the Metal into a perfect Fuficion. Thus they repeat three times forceflively, at an Interval of

a Quarter of an Hour. After the third Fire they uncover the Furnace, and let the Cru-

After the third street they uncover the ramaces, and are the veri-cible cody, and the length break it, to get out the Silver, which is found in a Button or Cabry, the Bettom whereof it very fine Silver; and the too mixed with the Fexces of the Salver, and the Alloy of the Silver, and even forme Particle of fine Silver. The Cabr being Gennaced from the Impurities, is mired in a new Crucible, and into the Diffoliation is thrown Chriscoll Dull, and the whole Desidy world't (negether. Then, the Circlible and the whole Desidy world't (negether. Then, the Circlible being cover'd up again, and the Furnace charged with Coal, a se

This done, the Afhes and other Imputities are blown from of the Top of the Metal, till it appear as clear as a Looking-Glafs, and then an Onoce of Borat broke in Pieces is thrown in.
Lailly, the Cracible being coverd up again, they give it the latt Files; after which 'the calls into Ignora; which are found eleven Penny-Weights, and fixteen Grains fine

To recover the Silver that may be left in the Faces, or Sco-they pound them, and give them repeated Lotions in fresh

ris, they pound them, and give them repeated Waters. See LAVADERO.

REFINING of Copers, is only performed by giving the minoral Matter feveral Logious before the melting it; and then giving it feveral repeated Fusions. See Copper. REFENING of The is perform'd much after the fame Manner

RESENNO of The is performed much atter the lame aranner as that of Copper. See The.
Though we may distinguish two Kinds of finencis of this Metal: The one arting from its Fasion; that The taken first out of the Coppers wherein it include, being always pure than that covered the Bottom.

The other Kind of finencis is that given the Tin by adding fome other Metal or Mineral to it, to render it more founding, as well as more bright: Such is Tin of Antimony, Pewter, &c. See PEWTER, 6 REFINING of Iron, begins likewise by the melting it. See Iron and IRON-WORKS.

and IRON-WORKS.
The greater Degree of Fusion the Mineral has, the more the
Metal is purified: But this first Fusion is not sufficient.—To render the Iron malleable, and sit is to enduse the File, it must be
melted a second time; then forged or beaten a long time with buge heavy Hammers, wrought by the Water; then heated in the Fire, and at last reduced on the Anvil, into Bars of several Thickneiles. See Forging.

neues: See FORGING.

The more the Irou is beated in the Fire; and the more 'tis beaten, whether hor or cold, the finer it becomes. See IRON. Steel is only from refusired to a great Degree by beating it, with time other logardiness which close up the Peres, and foften the Clean theoret. See Service.

Grain thereot. See STEEL REBINING of Lead, is perform'd like that of most other imperied; Menis, by frequent Melangs, fill fearming it e're it be code, and cattling in Tallow, and other Kinds of Fat.

They also make divisy of Lead; no to or critico it.

They also make divisy of Lead; no to or critico it.

They also make all without Mature of any other Meal. See

REFRING of Sagar.—The Operation is begun by feveral firing Lixiviums or Lyes of Lime-Water and Eggs, Shells and all, mix'd

and beaten together.

This first Refung is perform'd in the Caribers and other
Places where the Sugar-Canes are cultivated; and only serves for
the brown or coarter Sugars.

When there are imported into Europe, the Sugar-Bakers take them up, and refine them further, by a fecond Operation, or rather a Repetition of the first. To render the Sugar very fine, fit for Confections, they ufu-ally give it a third Refining; wherein they only use the Whites of

s, and their Shalls bearen together, and thrown into the meltod Sugar; which is call'd clarifying the Sugar. See SUGAR.

REVINING of Salt-petre.—The Salt being put in an Earth REVISION OF Subserve—The Sair being par in an Earthen or from Velde in smok Spring. Where is pound on it is discovered to discovere it is present to the subserved in the subserved to discovere in the subserved in the subserved in the subserved in the Preportion in one Pound of Alama to 128 Pouls, and of Subserve; and a little Viceops is added. As it books, the Scam of Subserved, and the Subserved in the Subserved in the Subserved in the REVISION of the Subserved in the Subserved in the Subserved plans, Lungh, Subs. Barras, Soc. Sec Campions, Vermilla, Sub-juey, Lungh, Subs. Barras, Soc. Sec Campions, Vermilla, Sub-juey, Lungh, Subs. Barras, Soc. Sec Campions, Vermilla, Sub-

REFLECTION, or Reflexion, in Mechanicks, the re-turn, or regretive Motion of a Moreable occasioned by the Refiftence of a Body, which bindered is purfoliog its former Direction. See Motton, Resistence, etc. The controverted, whether there be any, Moments Reft or Interval between the Incidence and the Reflection? For the As-Instrum Berwern the Incidence and the Refellius 1 For the Al-firmative, that the Prometotike, and all not conceive the re-fragative properties of the production of the Policy Pro-Body —The Motion of Incidence, seconding to bethe Araborn, as which feel and defenced by the Refelliusco of the Obstacle efforts in the Post of Counta's, this new Motion or Reflows in produced therein, born a commy Usale in produced therein, born a commy Usale in produced therein, born a commy Usale and the terror of the Post of Counta's, this new Motion or Reflows in produced therein, born a commy Usale and the Post of Counta's Reflows. Uppin, but if the Motion were cone of the Post of the Post of the Post of Countain Countain Countain Countain Countain Countain forces in the Reflow of the Post (Normal Countain Landelmonth and Countain C

As y bey a Pendam, what arrived at its greatefix weep, does not to find a present fixed one to the period of the p

elaftic Power. See ELASTIC Bodes

elific Fower. See ELEATER DESERV.

On this Principle it is afferted, that there may be, and is a Period of Reft between the Incidence and Reflection; fince the reflected Motion is just a Constitution of the other, but a new Motions, string from a new Cugle or Principle, etc. the Power of Elafticity. See ELEATRICITY.

of Elafficity. See ELASTICTY.
The one of the great Laws of Refletion, that the Angle a re-fletid Body makes with the Plane of the refleting Obliticle, is e-qual to that wherein it struck on that Oblitacle. See ANGLE and

INCIDENCE. For the feveral Laws of Motion observed in the REFLECTION of ladies, see the Article Percussion.

REFLECTION of the Rays of Light, in Opticks, is a Motion of the Rays, whereby, after impinging on the folid Parts of Ro-

of the Rays, whereby, stire Impirings on the faith Paus of Ba-dies, or arbeth, stiles are were man approach therees, they record or me dreven thereform. See RELEXAMILETY.

The Affeliam of the Rays of Light remot bandiese of Ba-The Affeliam of the Rays of Light remot bandiese of Ba-theres. The Rays of Light remote the Rays of the Rays and Ard the Dispirition of Bolte to reflect this or that Kind of Rays and exposure, it is the Casin of this being of this or the Colour. See Colour.

The Reference Light from the Surfaces of Mirrors, makes the Subject of Comprises. See Carrory succession of the Surface of Comprises.

Rays striking on the very Parts of the Bodies; but by form Power of the Body equally diffused throughout in whole Surface, whereby it acts upon the Ray, by attracting or repelling it without any immediate Contack. See Ray.

immediate Contal. See Ray.

This Power the howes to be the sines whereby, in other Circumbination, the Bays are infraided; and whereby they are as first entertied from the Bays are refunded, and whereby they are as find the contact of the Contact of Education Contact of Education, and the Contact of Education Contact Only and the Contact Production, by means of Study, Glass Party, or Varyoly, If the Bays of Light, therefore, were redicted by the Contact Production Contact

thrising on the falled Fatte of the Claffs, the Refullation would be extended to the Common of the C upon Light at a Distance, is already shown under the Article

INFLECTION.

2°. If the Colours separated by a Prism placed at the Entrance a.º If the Colours Equated by a Pidin placed at the Entrance of a Rome of Light into a drivented Room, be faccellibly of all a Rome of Light into a drivented Room, be faccellibly of an a Room of Light into a Room of Roo

3°. Where two Glaffes touch one another, there is no feofible Reflexiw, and yet we fee no Reason why the Rays should not impinge on the Pasts of the Glafs, as much when contiguous to

implane on the Paix of the Glaff, as much when compassue to other Claff, as who compassue to the Claff. As when the top of a Warer-Babble, by the combinal fall-ge. When the top of a Warer-Babble, by the combinal fall-state of the Claff of the Claff of the Claff of the Claff at little, and should inferfable Quantity of Light, and easily the their it appears incrediby black; whereas round about that black state, and should walker in theiret, but Reforms to its frienges to Special Warer in theiret, but Reforms to the Groups are their their claff of the Paixer or Babbles, that there is no mountly far-der-Ramakase at most other thickeding lengthing generate and greener. whichesis of this Plates or Bubbles, that there is no manifel Ro-pollumba at range other the localities, presiding present and present. Continued of our Author's Observations the Ruys of the finan-tic of the continued of the Ruys of the Continued of Successions, And yet in the Superistica of the thannel Body, where is not continued the continued of the Ruys included, And yet in the Superistica of the thannel Body, where is not continued that the Ruys of the Ruys included, And yet in the Superistical Superistical Proposition of the Ruys included, "3". Havined and blue Rays, Expansed by a Print, all functions," "9". Introduct on the Rays included a Print, or All art between two Oldiffs, there of Pates and the other is little Carrera, but the Confidence of the Pates and the other is little Carrera, but the

fine Plane will, in the finese Parts refed all the Rays of one Co-in the Proposition to the Ray recurs at equal Intervals, and disjoint joint and common to be cally trainfinited through the one that deed the Rays of one and the fines Coloria; are one tikely referred to matterine year between cases the term to be cally trainfinited through the next and study the Rays of one and the finese Coloria; are one tikely referred to called referred to called the Rays of the Rays nech and transfest them at another; and thus alternately, and in infairant.—Now it can never be imagined that at one Place the is a control of the c where the Body is either a little thicker, or a little thinner, there on the contrary the Blue should hir on the Pores, and the Red upon the folid Parts.

6°. In the Paffage of Light out of Glass into Air, there is a Reference as throng as in its Paffage out of Air into Glass, or ra-ther a little flronger, and by many Degrees thronger than in its Paffage out of Glass into Water.

Padigue out of Guli into Weer.

Now's Event imporbable that Air floods have more rightling part of the Guli and the Air Funga, as whose it is abject to it.—If any shock here object, on Dar Cutr'd Hyport and the Guli and the Gu fiftheous; and that supposing its Existence, and its restricting Power, an Laste could ever have been propagated, but must have been all restricted back to the lucid Body, immediately after it was first emitted; The following Experiment does evidently convict it of

a fine-fine-fine the level in Air which has but little, not enough to coun ex-bulance the effect of the Glafs; in this Cafe the Attraction of the Glafs draws them back, and reflects them.

backs and reflects them.
This will appear full more evident, by laying two Glafs Prifins, or the object Glaffes of two Telefoopes, the one Plane and the other a lattle Couvex, upon each other, fo as they may neither touch, nor yet be too far a-part. For that Light which falls on the hind Sorface of the full Claffs, where the Glaffes are not a-bases.

\*\*During the Plane of the Claffs, where the Glaffes are not a-bases.\*\* hove verslare Part of an Inch a-part, will be transmitted through the Surface, and through the Air or Vacuum between the Glaffes, and path into the fecond Glaffe; But if the fecond Glaffe be taken and pits and the Light peding out of the fectord Surface of the first Glass into the Air or Vacuum, will not proceed but return into the first Glass, and be reflected.

Whence it follows, that the Rays are drawn backagain by fome Whence it follows, that the Rays are drawn nace agent by source from the first (fulls), there being nobing left to occasion their return—And bence too, it follows, that the Refullsus is not chicked by means of any fathed Matter, consignous to the hind bestites, according to the Principles of De Cartus; faces that Matter ought on orbit the count of the Chairs were nearly considered to the result of the Rays of t

Ledys, It is to nick low finer of the Rays come to be re-fold, an olders trainment, and why have an cell alike re-fold, an olders trainment, and why have an cell alike re-fold, the propring the Relation coming to the Adline of the whole the Relation of the Relation of the Relation of the Adline of the whole the Rays Ledys and the Bodder beamings, certain Whenches, for four food Property) imprefed on the Rays, by the Adline of the Lamasy that emits them on of the Bodder that the Part of the Whenches and the Rays and the Rays of the Part of the Whenches which configure with the Ledys and the Part of the Rays corter the Body, are refined and training-tally but thus in a contrary Part of their Vibration refiched. TRANSMISSION.

Add, that every Ray of Light, in its Paffage through any refrach ing Surface, is put into a certain transient Constitution or State, which

RELECTION, in Catopericks, is the return of a Ray of Light from the polish'd Surface of a Speculum or Mirrour, driven thence by fome Power religing therein. See Mirrour and Carop-

The Rsy thus returned is called a Refers, or refidled Rsy, or Rsy of Reflexion; and the Peint of the Speculum whence the return commences, the Psint of Reflexion.

una commence, the Paint of Lifectum.

Thus the Rya H Text Optices, Fig. 26) proceeding from the Redigut A and thriding on the Point of the Special mells in the remained theore to C. (E. Represients the register Hz, and the Paint of Redigut Annual Comments of the Paint of Redigut III, and the Red III, and

fence. See CATHETUS

of Institute. See Centurus.

Of the two Angels which the replifted Rey BC makes with the Marrows, he findich, GEE, is calcul the Angel of Refereise: An General Angels of the Refereise Parameters of the Marrows and Control and Angels the Rey makes with a Superston of the Marrows he citized Cancers, or Convert, the findich Angels the Ray makes with a Tangent to the Pour of Refereise, and Indicators, are the Angels of Rey makes with a Tangent to the Pour of Refereise, and Indicators, are the Angels of Rey makes with a Tangent or Rey The Angel Cell when the replifts Rey makes with a Tengent of the Pour of Ref dishes, in call'd the Indicators of the Pour of Ref dishes, in call'd the Indicators of the Pour of Ref dishes, in call'd the Indicators of the Pour of Ref dishes, in call'd the Indicators of the Pour of Ref dishes and the Indicators of the Pour of Ref dishes and the Indicators of the Indicators of the Pour of Ref dishes and the Indicators of the Indicators of the Pour of Ref dishes and the Indicators of 
#### The General Laws of REFLECTION.

1°. If a Ray of Light be refulled from a Socialist of any form; the Angle of Incidence in ever equal to the Angle of Ref. from—This Law obtains in Percentions of all Kinds of Bodies, and confiquently must do fo in those of Light. See Laws of Penerical Configuration.

It might therefore be here affirmed as an Axiom: But 'tis of It might therefore be here affined as an Ariem: But his of that Importance, and its Demondration for bearriall, that we cannot omit it.—Suppose, then, DC (Fig. 94) an incident Ray, propagated from the Radiant A: Here, chough the Monton of the Ray be fimple, yet its Determination in the Line DC being ob-lings with reflect to the Obblicals, it really compounded of two Determinations; the one along DE, the other along DG. Sec COMPONN DM Medicine.

spectromators; the one since DL, the other sloop DO. See Construction Science.

Construction Affects.

Deep Desire the since plan to the two Forest-sleep DO and DH. But the Obthack GF only exposite one of the Determinations; see the sleep DO, for it cannot expose a Determination Fernilet to te firs, in DE; therefore only the remaining centre—first a few period particles of the propose the Rey of Lighty will recover by in Ethicity, the The Rey, therefore, will recover the Forest Do or CH. Thus, remaining centre—first, will recover the Forest DO or CH. Thus, remaining the Science, will recover the Forest DO or CH. Thus, remaining the size of the Post DO or CH. Thus, remaining the Science of the Science o

This Law is confirmed in Light by an easy Experiment. a Ray of the Sun falling on a Mirror, to a dark Koom, through a little Hole; you'll have the Pleafure to fee it rebound; fo as to make the Angle of Reference equal to that of Incidence. See CAMERA Objects.

Castera Offerea.

The faine may be therein virious other Ways: Thois, e.gr., Desire a Somiticale IRO (This Opiths, Rg. and, on a Mirror Desire and Somiticale IRO (This Opiths, Rg. and, on a Mirror IRO) (This Opiths, Rg. and Castera (Opitha) (This and affirming equal Artelas, Fr. and Gr.; places and Object in A. and the Eye in C; Then will the Object to fain the Artelas (This and Castera (Opitha) (This and Castera (This All Perspective Layer), the Observation of the Castera (This All Perspective Layer) (This Castera (This All Perspective Layer) (This Castera (This All Perspective Layer)) 
h.º. From the fame Point of a Speculum, feveral Rays cannot be reflected to the fame Point; for in that Case all the several Angles of Reflection would be equal to the fame Angle of Inci-

dence; which is abfurd.

3º. One Ray as AB cannot be refletled to two or more Points; for in that Cafe all its Angles of Refletles would be equal to the firme Angle of Incidence; which is as abfurd as before. See Ra-

II. Each Point of a Speculum reflects Rays falling on it, from each Part of an Object.

Part of an Object. Here the American from feveral Part of a ra-diant Object, cannot be spirited from the first Part of a Spe-diant Object, cannot be spirited from the first of a Spe-position of the Object, are figures after Reptiliars. And honce each Ray flows the Point whence is proceeded. See Virtum. On this Phesiciple is it suft the Ray replied from Mirrous or Looking-Gliffie, eithink the Appearances of Objects placed be-fore them. See Looking-Gliffie.

fore them. See LOOKING-GLASS.
And hence we ensily conceive why rough Bodies exhibit no Images; in regard they reflect the Light in fisch Manner as to concious Rays which proceed from different Polanis, by means of their Emisences and Cavities, their alternate Rillings and Fallings.—But for this all hard Bodies would be Mirrors.

III. If the Bys C, and the radiant Plant A change Plates; the Petri wall continues to reduct upon the Eps, in the Janes Couff or

Parts as before.

For it the Object be removed from A to C, it will full radi-For it me Object be removed from A to  $C_0$  it will fill relation on in former Forice of Regions if  $B_0$  the tree can be but one but one are not income Forice of Regions if  $B_0$  the tree can be but one Equipment of the Control of the Control of the Control of Regions, will now be the Reg of Intellence; and fines it will be rightful under the irms Angle as that rarbed which it fall that which was better the Reg of Refinesse, will show the the Reg of Refinesse on Southern the Reg of Refinesse on Southern the Collect removals of  $C_0$  will relative the Reg of Refinesse on Southern the Collect removal of  $C_0$  will relative the Reg of Refinesse on Southern the Collect removal of  $C_0$  will relative the Reg of Refinesse of  $C_0$  with relative the Reg of Refinesse of Reg of Refinesse of Reg of Reg of Reg of Reg of Reg of Refinesse of Reg o

Q. c. d. Hence, an Object is feen by the refelled Ray AB, with the Eye placed in A, the fame, as if the Eye were in AC, and the Ob-

The Truth of this Thororem is 6 entity confirmed by Experience, that fones, with Exeloi, alternet ut as a Principle; and entitle the second of the Experience of the Experienc The Truth of this Theorem is so easily confirmed by Experi-Abfurdity will follow, if you suppose the Angle of Incidence less than the Angle of Resedies.—Since then the Angle of Incidence can neither be greater nor less than that of Repulsius, it must be equal to it

count to ft.

IV. The Plane of Refullion, that is, the Plane wherein the Incident and reflected Ray are found, if perpendicular to the Surface of the Specime; and as fiftering Special pages through the Centre.

Hence the Cathetus both of Incidence and Reflexion is in the Plane of Refulsion.

That the Place of Refiction is perpendicular to the Spendaws, is affurd by Reddy. Albazam, and others, as a Principle, without any Demonstration; as being evident from all Observation and

speriment.

IV. The Issage of an Object feen in a Mirror, is in the Cathetus

of Incident.

This the Antienter allimed as Priociple: And, hence, face the Image is certainly in the rypidite Ryp, they thered it must be thought to the result of the must be the result of the resu

ROLL

REFLECTION of the Moon, is a Term used by fome Authors, for what we otherwise call her Versistive; being the third Inceptation like in the Processing of the Quadratures, differs from her Place twice equated. See Moon.

REFLECTION is also failed in the Coperation Systems, for the Dishings of the Polic from the Florizon of the Disk; which is the signe thing as the Sun's Declimation in the Procession Systems.

See DECLINATION

See Diet. Instruction.

RETLECTION is ids figuratively utilité en Operation of the Mini, wherely, turning as it were beet, upon it lelig makes it fells and in onto Operation of Object, and confidence on constitution of the confidence on comparing the configuration of the configurat

Or Referes may be defined thele Places which beside the general Light that illumines the whole Places, receive interperspectually that illumines the whole Places, receive interperspectually interpreted to curry with a Place of Section 1981 and Sill —All reflected Light is infraried under Control of the Place of the College of the Deby which shiften it, is for the triple received the College of the Deby which shiften it, is for the triple received by the proposed of the College of the Deby which shiften it, is for the triple triple with the College of the Deby which shiften is for the college that the college of the

Oblian.

REPLEX Figure, or REFLECTED Figure, is that performed by means of Rays reflected from the political Surfaces of Objects to the Eyes. See Visions and Reflectron.

Reflex Visions is the Subject of Catopaticks. See Catopaticks.

SEPANO POPEN AND SEPANO POPEN AND PROPOSED AS THE PROPOSED AS returned back more or less easily under the fame incidence.

Thus if Light pass out of Glass into Air, and by being Incli-ned more and more to the common Surface of the Glass into Air, begins at length to be roully reflected by that Surface; those Sorts of Rays which at like Incidences are reflected most copi-

Sout of Raw witch at like indelences are riskelden and expi-cuelly or the Raw which by lectiming begin forced to be teachy related, are most in families. The the Ray of Light are caused with different Degrees of Then the Ray of Light are caused with different Degrees of the Raw of Light and the Raw of Light are caused with favour by the following. Exponence of the Raw of the Raw Line Spirit, Page 5, which chaptes use and 47° to the Ray-ture Cor's advanced Room, in fach manner as that the Light is reflected from the like in Gr. The Volter Rays are feen infor-tered to the Ray of the Ray continuing full reflected in IK. See Para Vol. 48° and 18° Sec PRISM.

Figure it appears, that the differently colour'd Rays, differ in Degree of Refinibility. See COLOUR.

From other Experiments is represent that these Rays which are

From other Experiments it appears, that those Rays which are most refeasible, are also most refrangible. See REFRANGE-REFLUX of the Sea, the Ebbing of the Water; or its return

from the Shar Sec Ebb. It is thus call'd, as being the opposite Motion to the Flood, or Flux Flux. See Flux and Tipe. REFORM, a Re-efablishment or Revival of a former neg-

lected Discipline; or a Correction of reigning Abrales. See Ru-

FORMATION.
The Term it much used in a Monastic Senie, for the reducing an Order or Congregation of Religious to the anteneServeity of the Rule, from which it had guidally fewered; or even for the improving on the antene Rule and infiltration it self, and volumently making it more Server. See ODDER and Religious Charles and Religious the See Senie the Order of St. Estrassis is side to be only a Religious of the of St. Bentalel. See Educations and Binna-Rule Senies Sen

To REFORM, in a military Sense, is to reduce a Company, Regiment, or other Body of Men, either by disbanding the whole, or only breaking a Part, and retaining the reft; or formetimes by or éndy treaking a Parti, and restating the rietly or fomentimes by incorporating them in other Regiment.

Excess Revousands a Referend Officer, or one whole Troop and the state of the st

KREVOKMALION, the Act of Actioning, or Correcting an Enter or Almelia in Religion, Difficience, dr. The Referentine of the Rosson Calender by Depe Gregory, was relicted in the Year 1926, chiefly by the Advice of Alogion Li-lius, and Carbons, See CLERDOR.

The Reference of Reference called by Way of Eminence, the Research Depth by the Electron of Sonony, at the Sollici-tion of Lather, because the Alogion Control of Lather, Solling the Lather, Solling the Control of L

CE LUTHERANISM See LOTHERASISM.

King Heary VIII. of England, happening to have then a Figue spiritle Pope Cleavest VIII. by reason of his periasting in not allowing of his Divorce tomo Queen Casteries of Antylinks, fell in with the Torrent, abolished the Pope's Supremay, first'd the Montalteries, and other Religions House's and divided their Lands Montalteries, and other Religions House's and divided their Lands. nong the Nobility and Gentry.

is very shorp (is to preferred a Popti-So, the data Piper So, Black Novae, who left single at the Difference between some own own having in in time —Piter So an Education —The Common and the preferred Common Piper Son Common Southern —The Common —Th

ceffic Queen Mary, woo re-entaneurs on the saturation queen from the Executions of above 500 People, who were burnt for the Protestiant Faith in the five Years of her Reign, to abscured the People from Popert, that Queen Education, her Siller, found in no hard Matter to carry the Reformation to its discussion of the Control of the Con

spas to reture is on the Foot whereou it now transfer among us. See PROTESTANT, CALLYMENT, &c.

Right of REFORMATION, For Reformations, is a Right which the Plunca of Germany chain to referve the Church in their respective Territories; as being inverted with the foreign as well

as the temporal Power.

The Jar Referentiasis is amost'd to the Principality; by this they have the Power of Confeience, the Disposition of Ecclessiation Revenues, &c. as they enjoy'd the fame at the Treaty of

Manfor in 1624. REFRACTED Ray, or Ray of REFRACTION. and REFRACTION

and REFRACTION.

REFRACTION REPRACTION REPRACTION SEED THAT SEED T the Edges of the Bowl; and marking out the reft of the Hour Lines also on the Edges of the Bowl: Then taking away the Lines also on the adapte of the Bown: Then making away the biotrimati Dilai, and delevance a String or Thread from the End of the find Pin over the meridian Line, as much as is the Latinuder Cleivation of the Pales of the Biase.—Then, by bringing the Thread to call a Shadow on any Hous-Point formetly marked out on the Endge of the Bowl, by a Candle or the biase, that Shado in the Bowl is the crue Hous-Line. And if the Bowl is Hour by the Shadow of the Top of the Pin, but when filled again th the fame Liquor. REFRACTION, in Mechanicks, the Deviation of a moving

with the fear Livino.

with the fear Livino.

Body from its direct Chouches by reals on the different Density of the Mackemist moves in; on a Flexion and Change of Determinance, occlasion by a Body's Bings objectly on or of commitme, occlasion by a Body's Bings objectly on or of commitme, occlasion by a Body's Bings, by Statics of the Natural Than a Bild A, (ThA Medicalities, Rec. 5-2) movings in the Air Than a Bild A, (ThA Medicalities, Rec. 5-2) movings in the Air Than a Bild A, (ThA Medicalities, Rec. 5-2) movings in the Air on B-Aspini. If the Bild moving in Water in the time Line AB A Bodie all the highest of an artifact of A CC), it will be so B-Aspini. If the Bild moving in Water in the time Line AB Bodie all the highest of a self-net of A CC), it will be to Be-Aspini. If the Bild moving in Water in the time Line AB Bodie and the Air A Berghalities, and the Air Ag Berghalities, and the Air Ag Berghalities, the Air Ag Berghalities, the Air Ag Berghalities, and the College and the Air Ag Berghalities, the Air Ag Berghalities, and the Air A

is that of the Air.
In effect the prest Law of Refrallism which holds in all Bodies

and all Mediums, is, That a Body parting obliquely out of a kfr into a save refulting Medium, is refuered from the Perpendicular; and in pulling out of a new into a left relithing Medium, is re-fracted towards the Perpendicular.

funded forwards the Perspedicients.

Renow the Rays of Light failing out of Air into Water are refunded sowned the Perspedicients; whereas a Ball thrown into
the Water intraction from it, by readed Wiser, which related
the Water intraction from it, by readed Wiser, which related
On, to fixed more jully, by readen Water. by its greater Air
tuttions, oscientars the Morison of the Rays of Light more than
No done; For that this is the true Canto for Refuelling, as leght
in Light, fail the heave under Karascructor of Light.
To have a Body refraided, his needliny is ful obliquely on the
To have a Body refraided, his needliny is ful obliquely on the
To have a Body refraided, his needliny is ful obliquely on the
To have a Body refraided, his needliny is ful obliquely on the

fraction. Polities, indeed, and Swellies imagined they had observed a per-pendentiar Ray of Light undergo a Refractions; a perpendicular Object appearing in the Water nearer than in reality is was: Bur this was to attribute that to a Refraction of the perpendicular Rays,

Which was owing to the divergency of the oblique Rays after Reisu, from a nearer Point.

Folium, from a merir Potte.

The til ther a marile Regulation core of perpendicular Regulation core of perpendicular Regulation core of perpendicular Regulation core of perpendicular Regulation core of Regulation Control.

Robinst Scientific and Control.

Robinst Scientific Core of the Children's marile too exceed a common we know of system the Core of 
The Antients confounded Refraction with Reflexion; and 'twee

By Refraction it is that Convex Glaffes, or Lens's collect the Rays, magnify Objects, Burn, &c. and that concave Lens's dif-perfe the Rays, diminush Objects, &c. See Lens's, Convex,

Hence the Foundation of Microfcopes, Telefcopes, &c. See MICROSCOPE and TELESCOPE, &v.

By Refractions it is, that all remote Objects are seen out of near real Places; particularly, that the heavenly Bodies are ap-arently higher than they are in reality, eye. See Apparent and

PLACE. See also Reflection Afterwarded.

Reflection of Leght, in Opticle, is an inflexion or deviation of the Reynstrom their rectilinest Courfe upon falling obliquely

out of one Medium into another, of adifferent Denfity. See Ray. out or one Medium into acontee; or a different Denney. See RAY.

The Refractives of Lights if Light Neutron there is not per-formed by the Rays falling on the very Surface of Bodles; but uniflower any Cented; by the Addison of Genze Power of the Bo-dies equally diffined throughout their Surfaces; by which farm Power adding in other Caromitanees, they are also crunted and writering to the Lights. flected. See Light.

The fame Arguments whereby we have proved that Refellian is performed without immediate Contact, go a great way towards demonstrating the fame of Refellian: To which may be added

the following one

the following cone.

2º Recasife if when Light falls out of Glafs into Air, with the
2º Recasife if when Light falls out of Glafs into Air, with the
2º Recasife in the translation of the control of the

flected and refraction feveral times alternately, as the thickness of the Lancille increases in arithmetical Progression.—For here it depends on the thickness of the Lamina which of the two it shall

depends on the macrosis or the Lammar which of the two it that dog whether reflect it, or let it the transfinited. 3°. Because whereas the Powers of other Bodies both to reflect and refract Light ser very nearly Proportical to their Dentities; yet unclusus and falpharous Bodies are found to reflect more firmough than according to their Dentities.—For as the Rays act more firmogly on those Bodies to kindle them, than on others;

and the state of t Vacuum near its Extremities, or even near the Extremes of many Opake Bodies, e. gr. the Edge of a Knafe, undergo a fimilar In-flexico, from the Attraction of the Body. See INFLECTION. The manner wherein Refraction is performed by more Attracti-

The minimer worken represents as performed by meer Attraction, without Connects, may be thus accounted for ... Suppose HI (Zash, Opericks, Fig. 56). the Boundary of revo Mediums, N and O. the firth the Barer, s. gr., Air, it the fectod the Dentier, s. gr., Glass, the Attraction of the Medium bere will be as their Dentities... Suppose PS to be the Dillance to which the attracting Force of the denfer Medium exerts itself within the Rayer.

the contest Mee'sim centre itself within the Rever.

Let row we Rey to High- As full followayed on the Surface

when the Reynam the Adelman; or rither, on the Surface PS,

which represents the Adelman; or rither, on the Surface PS,

which represents the Reynam to the Reverse Reynam to the surfacine Body, as the Reynam to the surface Policy and the Reynam to the Surface Reynam to the Surface Reynam to the in the Point b.

in the Poor R.

Again, faporio N the dender and more reinfling Medium, On the Kerres, and Id the Boundary, as before; and 1st The the thousand of the Record 
The Nove the Armédious of the Justice Maissus, e. p. N., is containably demoliting as the Rep present lamb fly around the insist of Armédiou RT, jis regard fewer and fower Pern full come to site in Rt. e. p. did the Parts between the and 10 and that the Dillacot between PS and RT being finally, when we consider Reference no Novice is taken of the Carve Part of Cl. N. 40, even in Novice is taken of the Carve Part of Cl. N. 40, even in Novice is taken of the Carve Part of Cl. N. 40, even in Novice is taken of the Carve Part of Cl. N. 40, even in Novice is taken of the Carve Part of Cl. N. 40, even in Novice is taken of the Carve Part of Cl. N. 40, even in Novice is taken of the Carve Part of the Repart Light, is pilling the Surfaces of Gliffse, Lenios.

Thus Ryan, as R. (T. 40, cost, see, F. e.) falling obligation from the Radiust (I. 40, even in Novice III) and of the Novice III of the Carve III

owns and in respects become II is also callend the Paint of Innovative See Sections.

See Sections.

See Sections.

In the Section of the Section of Section of Section of Innovative Section, in relief the Section of Sect

The Angle ABI included between the incident Ray, and the reflection of the control of the contr

#### General Laws of REFRACTION.

I. A Ray of Light in its Paffagy out of a rarry, into a deafer Medium, c. eg., out of Air into Glafs, trefpalled towards the Perpendicular, i. e towards the Airs of Refatilion.

Hence, the refruited Angle is left thin the Angle of Inclination; and the Acque of Refratilion left than that of Inclinace; as they would be equal, were the Ray to proceed firnight from

Hence, also a Ray perpendicular to the refrasting Surface, will pass through without being refrasted; as it cannot be refrasted to the Perpendicular. The physical Casse thereof is, that the Ac-

excess, and a first perpetuitation to the reproving Nation, will the the Perpetitional or The Perpitical Good thereof is, that the Armidion of the deside National, which is functioned soldpen to out of in Count 1. The physical Good thereof is, that the Armidion of the Beef County of the Perpetition of the Perpetitio

only in fulphurous Bodies, as Camphire, Oil Olive, Amber, Spi rit of Turpentine. co. the Power is two or three times greater than in other Bedies of equal Deniky; yee they have the Refysél. or Power with refpoct to each other, nearly as their Denikies.— As to Air, he shews that a Ray of Light in traverling quite thro As to Air, he thewe that a key or Light in traveling quire tire the Atmosphere, is refracted the fathe it would be were it to pass with the fathe Obliquity out of a Vacuom into Air of equal Denfity with that in the lowest Part of the Atmosphere See Arr.

From the Law just leid down, it follows that one Angle of Ioclination, and its corresponding refracted Angle being found by Ob-fervation; the refracted Angles corresponding to the several other Angles of Inclination, are easily computed.—Now, Zabwiss and Kniber have found, that if the Angle of Inclination be 70°, the

But Note, the Attraction of the denfer Medium, e. gr. N, is refracted Angle will be 38° 50'; on which Principle Zakwies has antiqually diminishing as the Ray magnetic from B. regards the continuously diminishing as the Ray magnetic from B. regards the continuously diminishing as the Ray magnetic from B. regards the feveral Degrees of the Angle of Inclination; a Specimen where-

|  |         | Angle of<br>Refraction. |     | Angle.    | Angle of<br>Refraction |  |  |
|--|---------|-------------------------|-----|-----------|------------------------|--|--|
| 10   | 0 40'5" | 0" 19'55"               | 100 | 0" 39 10" |                        |  |  |
| 2  | 1 20 6  | 0 13 54                 | 20  | 13 11 35  | 6 48 25                |  |  |
| 3  | 203     | 0 59 56                 | 30  | 19 29 29  |                        |  |  |
| 4  | 2 40 5  | 1 19 55                 | 45  |           | 10 50 41               |  |  |
| 15   | 3 20 3  | 1 39 57 1               | 90  | 41 51 40  | H8 8 20                |  |  |
| Manage is appeared that as an Appello of Institution 1.6 along the |         |                         |     |           |                        |  |  |

the Angle of Refrolling out of Air into Glafs, is almost 1 of the Angle of Refrolling out of Air into Glafs, is almost 1 of the Angle of Inclination: And therefore a Ray is refrolled to the Axis of Refratton, by shoots a third Part of the Quantity of its Angle of Inclination —And on this Principle it is that Krofer and most other dioptrical Writers, demonstrate the Refrestivarian Glasses.

The constant Ratio of the Sines of the Angles of Inclinations and the refracted Angles was first discovered by Willels. Smelling.

"Tis valgatly attributed to Des Castes; who having feen it in Snellius's MS, first published it in his Dioptricks, without na-

sommers MNs, note procession in the Deoptricels, without inming Suffine; as we are informed by Huggers.
Indeed, as the Rays of Light are not all of the firmt Degree
of Reframplishin; this conflaint Ratio must be different in difficent Kinds.—The Ratio therefore observed by Auchiers is to the
understood of Rays of the mean Reframplishin; i. e. of green
Rays. The Difference of Refraction between the least and most angible Rays, that is between Violet and red Rays, Sir Iface Mouses there is about 1-. Part of the whole Refrestion of mean Refrangable; which Difference he owns is fo finall, there feldom needs to be any regard had to it. See REFR See REFRAN-

there different needs to be any regists but out. "On the name of the control of t

cubich is a Tangent to the Curve to the Point of Institute. For the Curve and plain Sorfice conclining it, have an infinite-by finall Part common to them both, (each being originally gene-rated by the Flux of a Peint). But a Ray is represent in fach a little Part; therefore its the fame as if it were refrected in fach a

Pane.

V. If A right Line EF (Fig. 57, and 53), set a refreshing Surface CHA a right Angler, and if from any Paint in the insight Nations
are D be drawn DC Parallel to the insidest Ray, Mai. This will
surer the refreshed Ray in C.; and will be to it at the Sine of the Angleshid Angle in the size of the Angle of Parallel
parallel Angle in the Sine of the Angle of Parallel
parallel Angleshid Angle in the Sine of the Angleshid Angleshid
surer the Angleshid Angleshid Angleshid
surer than the Angleshid
s

Hence, alfo, if Light pass out of Water into Air; CB is in a fubsesquiternian Ratio to CD; if out of Air into Water in a Sec-

Laws of REFRACTION in Plane Surfaces.

1°. If patallel Rays be refrailed out of one transparent Body into another of different Dendity, they will continue Parallel after Re-

The physical feeting is that being parallel, their Ohlquity, or Angle of Incidence in the fare: Stort at equal Obliquities we have been been been better bet

Hence,  $\mathbb{R}^n$ . Since in Rays very near each other, the Datunce from the Cabrious is the fitne as to Senfey very near Rays will dwage from the fame Point  $G_i$ , i, c, have the fame virtual  $F_0$  and  $G_i$ —and before,  $\mathbb{R}^n$ . We have  $G_i$  the proof of the fame Point  $G_i$ , i, c have the fame virtual  $F_0$  and  $G_i$  anotation  $G_i$  and  $G_i$  and  $G_i$  and  $G_i$  and  $G_i$  and  $G_i$  a

in G.

J. I a Rey CD fill oblepaly out of a a theme into a chief Medium, having a line Surface, the Dilamos of the Ra-surface Annual Control of the Ra-surface Annual From KG, then the Store of the Angule of Inclination—less if the Dilamos of the Since of the Angule of Inclination—less if the Dilamos of the Since of the Angule of Inclination—less if the Dilamos of the Since of the Angule of Inclination—less if the Dilamos of the Since of the Angule of Inclination—less if the Dilamos of the Since of Angule of Inclination—less if the Dilamos of the Since of the Control of the Control of the Since of the Control of the Control of the Control of the Control of the Since of the Angulard Angular, to the Since of the Since of the Angulard Angular, to the Since of the Angulard Angular, to the Since of the Since of the Angulard Angular, to the Since of the Since of the Angulard Angular, to the Since of the Since Angle of Inclinat

Hence, 1º. If the Refruition he out of Air into Glass, the Difference of the Point of Difference of Reys near the Catherus, is Sefquilterate, of the radiant Point; of more remote Rays,

is Sidipaliterates, of the isomer front; or more remote essays, gener than Selquiderate.
Hence, 2°. If the Eye be placed in a denfe Medism, Ob-jech in a Rarer will appear more remote than they are; and the Place of the Image in any given Cafe, may be determined from the Rarn of the Refutilies—Thus to Filter fulnowing wader Water, Objects out of the Water work appear further diffuse them in reality

the set. — Let Sey OD fall obligably out of a dealer, into a reser-bledism fail, the Dilimece of the radiust Faire GK, has grea-bledism fail, the Dilimece of the radiust Faire GK, has grea-ted the set of the set of the set of the Angel of Estantina,—In the other Cale of the preceding Theorem, KG will be to KG, as to Seek, in the Radio of the Sance of rydian-ally the to KG, as to Seek, in the Radio of the Sance of rydian-tive of the Part of Disputions of Rays are the Caleston of Hence, 2°, if the Refrigible to cut of Clidition Air, the Di-flement of the Part of Disputions of Rays are the Caleston of Incolorable in Subdisquisiteness of the Dilamon of the reduirs of the Part of the Caleston of Rays and the Sance of the Dilamon of the reduirs considerable of the Caleston of the Dilamon of the Sance of the Part of the Caleston of the Sance of the Dilamon of the Sance of the Sance of the Dilamon of the Sance of the

But, 2°, if the Refragliss be out of Water into Air; the Di-flunce of the Point of Dispersion of Rays near the Cathetas, is Subfefquierrian; of those more remote, less than Subfefqui-

And 3º. The Eye therefore being in a rarer Medium, Objects And 3. The tays therefore being in a riser Medium, Objects packed in a Dienel appear on are than they are; and the Place of the Image may be determined it any given Cale by the Ratio of the Image may be determined it any given Cale by the Ratio of Ryfoldine—Herote the Bottom of a Verleft fail of When, is stiffed by Ryfoldine, on a third Barr of in Height, with respect to any the perpendicularly over the ryfolding Surince; and hence Piples, the prepared called the company of the ryfoldine support of the Eye to peace of it is a user Medium, an Object feen in the Eye to place of it is a user Medium, and Opper the Ryfoldine Surince; and Image that the Cale of the Eye to place of it is a user Medium, and Opper the Ryfoldine Surince Surin

f. il the kye be paced in a mere Mexima, an Olyce Ren in Section Mexima, by a Ray refrest in a plane Surface, will appear to the pace of the pace o from a Point to which the Ray FL tend before Refractions.

Hence, 1º. If the Objeck All be very remote; FM will be Pytically equal to GM; and therefore the real Magnitude MB to the apparent one MFI, as GL to FL, or the Diffance of the

Eye G from the effecting Plane to the Dilbance of the Point of Convergence F from the fame Plane.

Hence, 2°. Objetts under Water, to an Eye in the Air, appearing than they are; and to Fiftes under Water, Objetts in the Air. appear less than they are.

Laux of REFRACTION in Spherical Surfaces, bath Concave and Convex.

A Ray of Light DE (Fig. 61) Parallel to the Axis of a denfer Sphere, after a fingle Refroiter in E, falls in with the Axis in the Point F, beyond the Centre C.

For the Semillanders CE draws to the Point of Refreshies. In the prepareduction to the Senitar KL, and is therefore the Art.

But the proposal control of the Point of Refreshies Medical Senitarian Medical Senitarian Medical Senitarian Senitar

Rey Eli Ini the Ballior of the Slee of the reflected Angle to the Size of the Angle of Inclination.

3. If a Rey DE Hall on a dealer februisally Conver Surface KL, Parallel of the Aid AF; the Delitation of the Found from the Control of the Contro Hence, 1°. If the Refraction he cost of Air into Glafs; in the

Case of Rays near the Axis, BF: FC::3:2. And in the Case of the Rays remoter from the Axis, BF: FC > 3:2. Confequently in the former Case, BC: BF::1:3; and in

Species. So that Faille was milken when he imagined that the South Reprinting not he Statisce of a Cityllin Sphere, we was south Reprinting not he Statisce of a Cityllin Sphere, we we A is Rep Dir,  $B_{\rm F} = 0.00$  and one of a denfer into a treer florest Messaure size Reputation with Giverge towns the Asia, and the Dilthance of the Points of Differentian, or the virtual For-ser from the Contrar of the Sphere,  $B_{\rm C}$  would be not be sensitive and the Dilthance of the Points of Differentian, or the virtual For-ter from the Contrar of the Sphere,  $B_{\rm C}$  would be not be affected to the Sphere of the Sphere of the Sphere of the Angle of Referentian, but not the Fortian of the spirital Hay drawn back,  $B_{\rm F}$  in the Ratio of the Sea of the spirital May on the Since of the Angle of Inclusions.

where  $E_{\rm r}$  is the  $E_{\rm r}$  is the

former Cafe than in the la

former. Cut: thus in the lares.

6. If a Ray He (Fig. 6.1) fell prailed to the Axis FA, our of sarrer, on the Sarrier of a fine-intily concave denier Medium; the registral Key FX will be muster precede from the Point of the Printile Key FX will be muster precede from the Point of the Axis FX will be must be preceded from the Point of the Axis FX will be preceded from the Axis F

of the refrailtal Angle.

Hence, 12. If the Refrailtan hour of Air into Ghis; in the Case of the Rays near the Axis, FB: FC: 1: 2: in the Case of Rays more remove from the Axis FB: FC: > 3:

And hence, 3º. Since the Point of Difpersion F. is further from the Centre C, if the Refraction he in Water than in Air; the Rays will be lefs differs'd in the latter Cafe than in the former. the keys was be less dispersed in the latter Cale than in the former.

8. If the Rey HE (\*if. 6.2), All parallel to the Axis AE, from a denies, upon the Surface of a spherically Concave narer Medium; the refracted Ray will concer with the Axis AE, in the Point F; 60 at the Distance of the Point of Concourfe from the Conner CE, may be to the refracted Ray File in the Ratio of the Sinc of the refracted Aray file. The National Concourting of the Sinc of the Aragle of Inclients on the Point F; and the Ray of Inclients on the Point F; and the Point F; the Ratio of the

Sinc of the refracted Aragle, to the Sinc of the Aragle of In
Clients on the Point F; the P clination

### Dollrine of REFRACTION in Glaffer, Lew's, &cc.

1°. Refraction in a Glafs Prifon.—If a Ray of Light DE (Fig. 62.) fall obliquely out of Air on a Prifon ABC; being refraction; infected of proceeding to F is will decline to G, i.e. towards a Lieue HI, drawn Perpendicular to the Surface AB in the Point of Refrattion E.—Again, fince the Ray EG patting out of the Glafa into Air falls obliquely on CB; it will be refraited to M: so as to recede from the Perpendicular NGO. And better the various Phaneserus of the Frijis. See

Refraction in a Convex Lens .- If Parellel Rays AB, CD, and EF, (Pg. 63.) fall on the Surface of a Lens 2B 3K; the perpendicular Ray AB will pais nurefracted to K, where emerproposition. It Ref All will grid unscrieded to K, where emerging into Air perspections, as before, it will proceed finish for C. But the Baye CD and LF inling obliqued to an of Air into Co. But the Baye CD and LF inling obliqued to are of Air into Co. But the Baye CD and LF inling obliqued to Air into Co. But the C

Hence the great Property of Convex Glasses; viz. That the shellest Parallel Rays, or make them converge into a Point. Se

Y, and thence to G

the time numer import the Key LF to them to be reputable to Holes and the property of Concerce (Islath, see, Tast Levi Holes to Reguest Property of Concerce (Islath, see, Tast Levi Holes to Reguest Holes Anne, as made then drope, See Concervative, Islate to the Reguest Holes and R See Colour.

so, Refrottion in Illand Criffal.—The Laws of Refrollion in d Cryftal differ very much from those laid down in other Substances; for here is a double Refrattion, contrary ways, twhereby not only oblique Rays are fifit or divided into two, and re-fracted to opposite Parts, but even perpendicular Rays are also folix, and one half of them refracted. For the Theory hereof, see Ifland CRYSTAL.

The particular Laws of Refraction in the feveral Kinds of Len's, fee under the Article Lins.

RESEACTION, in Administry, or Destruction of the Steep, in antidiction of the Steep of the Canaminesia go miling from our Atmosphere; whereby the Altitudes of the between Bodies are approxing) in sectoral. One Stram Advirtume, does not approxing in sectoral. One Stram Advirtume, does in different Stages or Registry street of all a-top, and dentified a doctors; which focusinely in the finate Medium, mixes capable of the Stram Steep or Registry. See Aryan and Arthonoccurio capability to feering integral fieldings. See Aryan and Arthonoccurio capability to feering integral fieldings.

Sit Iface Newton has thewn that a Ray of Light to passing from the highest and rarest Part of the Atmosphere, down to the lowest and densest, undergoes the same Refraction it would do in passing immediately, at the same Obliquity, out of a Vacuum into Air of equal Dentity with that in the lowest Part of the Atmosphere

The effect of this Refuellow may be thus exoceived. Suppose 27 to the objective man be the effect of the fact it, and the effect of the fact it is a fact it is a fact of the fact wards the Perpendicular: And fance the upper Ass, again, is rarer than that near the Earth, and grows that denser as it approaches us: The Ray, in its Progress will be continually refracted, so as to arrive at the Eye in the Curve Line E.A.

to arrive as the Eye in the Curve Line EA.

Supposing, then the right Line AF to be a Tangent to the
Arch to A, the Ray will enter the Eye A, according to the Dirrection of AF—And fince Objects are always fore in that Line,
according to the Direction whereof the Rays enter the Eye, the Star will appear in AF; that is, in the Heavens at Q. which is nearer the Zenith than the Star really is. Hence stife the Phonomena or the Crepafinhon, or Twillehr.

See CREPUSCULUM And bence also it is that the Moon is sometimes seen eclipsed, when the is below the Horizon, and the Sun above it.

That there is a real Refrallies of the Stars, ev. is deduced not only from phytical Confiderations, and from Anguments a prisri, and a Smellinder; but also from precise Astronomical Observations.

The Datance of the two Stars, Spice Virginia, and the Lyon's-Tail, when near the Meridian, or even near the Weth, is con-flantly found 35° 2'. But when the Loss's-Tail is rifen in the East 34° 30' high, Spica Firgins' is observed to be malmost the fame vertical Circle.—Add to this, an Observation of the Datch, who winter'd at Nova Zembla in 1597, from whom the Sun totally dis-appeared on the 14th of Novamber; and again began to appear on the 24th of Jassary, which was fix Days from than he should have return'd, according to Astronomical Calculations; as is obhave remode, according to nanocamina uncasancy as in con-ingerial rate data for all and a superial su

maddle of the Naght, between the roth and rith of Joses, the San was 3 of his Diameter above the Horizon, and on the rail, of Joses at Kasgus, in the Luttinde of 66° 15°, they found the San at Minnight, two Diameters above the Horizon. Hence its argued, Thut sail Lught is propagated in right Lines, no Rays could each the Eye from a Lumanuy below the Ho-rizon, unless they were defected out of their Course at their

rizon, unleis they were deficited out of their Conefe at their Entrance mo the Atmosphere: The evidence, therefore, the Rays are refraited in pelling through the Atmosphere. Hence, the Starss appear higher by Refriellow than they really are; fortus to bring the observed or apparent Althudes to the true ones, the Canatrio of Refriellow much be full-included. See And hence, as the Antients were unacquainted with the Re-

affine; reckening upon too great Altatudes, 'tis no Wonder they fometimes committed confiderable Errors.

From the Doctrine of Refractions it appears that we never fee the real Sun uling or feeting, but only a Phantom, or Image thereof; the Sun hanfelf being at that time hid below the Florizon. thereot; the Sun hunfelf being at that time had below the Hortzon. And from the Observations just mentioned, it follows, that the Refractions are greater near the Pole, than at a left Latinude; doubtlefs from the greater Dennity of the Atmosphere, and the greater Obligative of the Incidence.

de la Hare, afforesus, be could never find any Differences in the Meridian Altitudes of the Stars; so that the Refredises remain always the same.—Though be owns, near the Horizon the different Constitution of the Air, &c. may occasion forme Varietions in the Refractions.

in the Refractives.

Stars in the Zenth are not fubject to any Refractives.—Those
in the Horizon have the greatest.—From the Horizon the Refractives continually decreases to the Zentiti; All which follows
benee, that in the fart Cafe the Rays are prependentary in the
fecond their Oblaquity is greatest; in the third, "the continually
leavesters.

increasing. At the same Alritudes the Sun and Sters all undergo the same Refrallion; for at equal Alritudes the incident Rays have the firme Inclinations: but the Sines of the refracted Angles are as the

Since of the Angles of Inclusions,  $\psi_i$ . Indiced Typis Brows, who first declared the Refriellieur of the Sun, Mons, and first Strees from Obstowations; makes the Solar Refreshings general the tody of the first Suns; and the Laure Fafferings and the tody of the Suns; sometimes the sunsequent of the Suns; sometimes the sunsequent of the Suns; sometimes the Sunsequent Suns Sines of the Angles of Inclination, &c.

Table of REFRACTIONS of the Heavenly Budies, at the feveral Degrees of Altstude. Retract. | Ait. | Refract. Refract. Alt. R Alt. 7 77 78 17 3 18 3 19 3 20 2 26 35 47 62 39 2 20 32 43 79 14 44 26 26 33 64 35 49 50 51 34 I 35 I 36 33 21 2 44 66 82 67 8 23 2 27 68 30 28 24 24 2 24 54 54 69 55 26 20 26 10 Š 12 40 10 śο 71 72 25 27 2 24 46 28 2 42 1 46 89 73 å 25 29 1 59 44 21 90 14 18

The Brahe will have the Refrallians of the Sun to vanish at The Alitude of 46°; those of the Moon at 45°, and those of the hidde of 46°; those of the Moon at 45°, and those of the hidds Sure at 20°: But Caffee has found that they reach even to the Zenith.—locked Tyaks represented all the Refratibus left than they are; except the horizontal one, which he made too big; For he makes the horizontal Refriction in the Sun 34'; in the Moon 35'; in the fird Sters 30'. De la Hire and Coffision make it 32' in all the heavenly Bodies. Tyelo, again, makes the Refraction of the Sun at 33' Altinde, to be 55''; but Coffini

4317. Fa. Level in 1710, 22° Jan. obferv'd the meridian Altitude of the Sun to be 73° 25' 50"; and on the 23 of Jans, obferv'd the fame to be 70° 26' 0", which is 10" more, that should be the life with forme like Observations before, he takes occasion to suspect to the Refraction to the varied according to the different Winds which blow from the different Quarters.—When the North-West Wind blows, he thinks the Refrostow is the great-eft; and adds, from Observations made at St. Barror, and St. Pise, that the Refraction at 24 Fathoms above the Surface of the Sea, is double that at 600 Fathoms. See Honzon—Hagens long ago observed the Refraction to be changed every Hour; the Experiments were made at very little Altitudes, and in Ter-

rial Objects. The Refusion diminishes the right and oblique Ascensions of a Sur; and increases the Descensions: It increases the Northern Declination; diminishes the Southern. See Ascension, Dz-Declination; diminishes the Southern.

Refraction, in the Eaftern Part of the Heavens, diminishes the Longitude of a Star; but increases the fame in the Weitero Part of the Heavens: It diminishes the Southern Latitude, and increases the Northern. See LONGITUDE and LATTUDE.

The Refraction therefore, is by no means to be over-look'd in Aftronomy.—'Tis absolutely necessary to the determining of the Promomena of the heavenly Motions, to a Degree of Accu-; fo that the antient Aftronomy, where no regard was had tout, must of necessity have been exceedingly defective on this very account. See ATTRONOMY.

### To observe the REFRACTION of a Star, &cc.

1°. Observe the meridian Altitude of a Star near the Zenith: whence the Latitude of the Place being known, the true Decli nation of the Star is easily had, the Star being now void of any

initiale Refraction. See DECLINATION.

2. Observe the Altitude of the Sum Star in any other Degree, and note the Time by a Pendulum. 32. For the given Time of Observation, from the Declination of the Star, compute its true Altitude. See ALTITU

This being thus found less than the Abitude observ'd; substract the one from the other; the Remainder is the Refrattion for that

REFRACTION of Altitude, is an Arch of a vertical Circle, as

RETISECTION of Altitude, in a Arch of a wortical Croice, as Sp. (10th Alfredows), Fg. 3th) wheethy the Althinde of a Story (10th Altitude), as I was supported by the Altitude of a Croice of Declination, in an Arch of a Croice of Story (10th Altitude), and I was been by the Declination of a Story IDS interesting the Altitude of the Croice of the Altitude of the Alt

REFRANGIBILITY of Lager, the Emporison of the easys to be refristed. See REFRANTION.

A greater or bif Refrangivilly is a Disposition to be more or left retracted, in pulling at equal Angles of Incidence, into the finne Medium. See Liouty, Medium, See Liouty, Medium,

That the Rays of Light are differently refraugible, is the Foundation of Sir Ifase Neutan's whole Theory of Light and Colours—The Truth of the Principle will appear from the follow-

loans—The Truth of the Principle will appear from the follow-ing Experiment.

In Experiment

In

the fame

the fame.

Art there, is well-field, in this overprede, like order Light, for Art there, is well-field, trong the color Light, from a Witner, Art there is the first the color of the first and refrighed through a Lens; yet rectain is Colora both after said refrighed and Refedelion—When colored led not a Focus, the Rays depends into a very high White; lest upon decemple, Hance is the color of the first three colors and the colora of the first three colors and the colora of the first three colors and the first three colors are decreased, both in carriage, and the Prilin, but that they are perfectled, both in carriage, and in less through the first three colors are considered in the first three colors and the first three colors are considered in the first three colors and the first three colors are considered in the first three colors and the first three colors are considered in the first three colors and the first three colors are considered in the first three colors and three colors are considered in the first three colors and the first three colors are colors and three colors and three colors are colors and three colors and three colors are colors and three colors are colors and three colors and three colors are colors and three colors and three colors are colors and three color

statuting it: Fore referration.

29. Since the colour'd Rays are ftill propagated in right Lines, if reflected from Mirrors, or refracted in Lem's; they ftill retain all the Properties of Light, and therefore are ftill Light.

tain all the Properties of Light, and therefore are full Light.

3. Since the feveral colour? Rays docontified and mird to geber in the Focus, respect White; but after Separation, beyond the Focus, respect their former. Colours, therefore Red, Yellow, Green, Blue, and Pumple Rays mird together in a convenient Proportion, contifiume a Refelendent white. See WHITE.

Note. The Experiment will faceced if the Room be no daily.

Note. The Experiment will faceced if the Recemb is not deally, with the Colorius will be the felt with an and the the Left will will be the felt with the Colorius of the Colo Gri to receive the colour'd Light List. After a technic Re-fraction in this fecond Prifin the colour'd Light painted on the Wall. IK, will be inclined to a like Light NO. from there, even when the Prifin GH is removed; fo as the blue Extremities N

and I will be further a-part than the red ones K and O.

Hence, 1º. The blue Rays must of Necessity be more refracted than the red ones; and there is, like sife, an unequal Refraction in the intermediate Rays.

Hence, therefore, the Sun's Rays are not all of the fame Re-fraughility; confequently, not of the fame Nature. See

3. Those Rays are most Refrangible, which are most Reflexi-

3. Those Rays are most. Refrangible, which are most Reflexible. See that power under Kertz-Large Large Teach See the power of the Refrangible and the Refrangible and the Reflexible was the Refrangible and the Refrancis Per Large, or Lie, and choff Conference of the Refrancis Per Large, or Lie, and choff Conference of the Refrancis Refrancis and Conference and Confer

But, further, as not only those Colours of Light produced by Refraction in a Prifto, but also those reflected from Opake Bo-dies have their different Degrees of Refrangibility and Reflexibilidies hwe their different Degrees of Refunquishing and Reitschilder, yan die as while Light in dies from a Mixmon of the ferenticle leaf at Rysy, the fine great Author concluded all homogeneous Light in limits in page of Colora. Neuroland in all homogeneous Light in Completed only on wy Refundations; that the Sam's Light is composed of all the primary Colora; that all compand Colorar arise from a mixture of the primary Colorar, that if from a mixture of the primary colorary that all composed Colorar arise from a mixture of the primary colorary that all composed Colorar arise from a mixture of the primary colorary that all colorary colorary is a composed of the primary colorary that all colorary colorary is a colorary to the colorary 
from the different Magnitude of the Particles whereof the diffe-

II R

( 984 )

inadvertently in my Bill.

REFRET, in Mulick. See RITGRNELO. REFRIGERATIVE, in Medicine, a Remedy or Diet which

efreshes the inner Parts by cooling them. Such, usually, are Ptisms, Clysters, Potions, &c. See Pri-

sans, &x.

REFRIGERATORY, in Chymithy, a Coshr; or a Veffel, filled with cold Water, placed about the Head of an Alembic, to cool and condense the Vapours raird thinker by the Fire, and to convert them into a Liquor, to be discharged thence through the Besk. See DISTILLATION, ALEMBIE, SPIRIT, WATER, ex-The Water in the Refrigoratory is to be changed from time to time, as it begins to grow warm

time, as it began to grow warm.
Sometimes they contect themshore with wrapping a wer Cloth
about the Head of the Alembie, infliend of a Rafrigarasty: But
the more usual Method now used to supply the Place of the Refrigeratory, is by a Worm, or Island Pipe running through a Tub
of cold Water.—Dillikation is performed by Evaporation and

Refrigeration. See Evaporation, &c.
REFUGE, REFUGIUM, in our old Customs, a Sanctumy or Afrium. See SANCTUARY and ASTRUM.

ANYMAN. See SANCTUARY and ASTLUM.
At Paris is a Holpital called the Refiges, wherein difficure Women are that up. See MAGDALEN.
REFUGEES, French-Calvaintift, who by the Revocation of the Edde of Names, in 1685, have been confirmed to quat their Country, and retine for Refiger into Holland, Grassay, England, Sec. to fire themselves from the meetility of abandoning their

See EDICT. REGAL, fomething belonging to a King. See King.

Regals of the fame import with Royal; the former being form'd of the Latin Rex; the other of the Presuls, Roy, King

ce ROYAL See ROYAL Filler.

REGALF, in the French, Priferance, is a Right belonging to the King over all Benefices. See BENEFICE:

The Regale conflicts in ediploying the Revenues of Bilhopricks during the vacancy of their Sees; and of prefenting to the Benefices dependent thereon, which become vacant during that time, and this absorbiof have taken the Oath of Fieldiny, and have pre-and this Association have taken the Oath of Fieldiny, and have pre-

cured Letters Patents, to fecure him from the Regale.

The Enjoyment of the Fruits of the See is called the Temporal Regale; that of prefenting to Benefices the firitual Regale.

Some refer the Origin of the Regale to the time of Closis, and fay the Clergy granted this Priviledge to the King, upon his de-feating the Visioshir; others fay, Pope Adrian grantice Charle-maign with it, in a Council held at Rome.—Tis observed by omagg with it, in a Council held at Rasse.—This obferved by others, that the Raged was originally no more than a Ward, or Administration; and that the Kings were only Depositaries of the Fraits of the sexant Bilimpricks, and a agrointed Common to look to them during the Vacancy. See Okonowatts.

This added, that the Kings of the first and fecond Race never enjoyd my fach Privileige, and that it was only introduced the treatfall for the treatfall. Certanny, in areas or forestituses. See Investment

REGALE, REGALIO, a magnificent Treat or Entertainment, do them Honour.

In Italy 'tis ufual at the Arrival of any Traveller of Eminence, to feed him a Regale; that is, a Prefent of Fruits, Sweet-Meats, etc. by way of Referchment.

REGALIA, in Law, the Rights or Pretogatives of a King.

REGALIA. in Law, the Rights or Percognitive of a King-Sex Kine.

Sex Mindled Cooked.

Sex Mindle

See CORONATION

Sec CORONATION.

REGALAN, of the copy by Grams, and color Concellines REGALAN, of the copy by Grams, and color Concellines of Kings. Sec CHURCHS, CATHERRALS, of K. GROWN, Sec CHURCHS, CANDERS, C. GROWN, S. GROWN, S

to the fame Services as all other temporal Inheritances; and after

tent Rays consists—Thus the most reframplike Rays, 1, e, the well the Death of the Billson prevented to the King, Vill he savelled coass be largoide to conside of the larged hardes; she leaft because the respect to consider of the larged hardes; she leaft because the respect to the large of Pillians she Cangardia, and the respect to the large of Pillians she Cangardia, and the respect to the large of Pillians she Cangardia (and the large of the large of Pillians she Cangardia (and the large of Pillians she Cangardia (and the large of Pillians thereof, as for the large of the large of Pillians thereof, as for the large of the large of Pillians thereof, as for the large of the large of Pillians thereof, as for the large of Pillians the large of Pillians (and the large of Pillians she 
laydi, and as oft did the Billiope mine Complaint benezi, as a program from Ansheimery, Nowleighth, So. See Blatton, This lift Anthor Iny, that gene Complaint was made againt. The lift Anthor Iny, that gene Complaint was made againt. The Complaint was made againt. The Complaint is sufficient to the Complaint of 
The Basis or effential Ingredient of Agus Regis, is common or Sea Salt; which is the only Salt in Nature that will operate on Gold. See Gold and Salt.

Gold. See Gold and Salty.

There are divers Ways of preparing it; for, in effect, the Salt will not fail of its End, in what form foever applied.—The common Way is by mixing common Salt, or Sal Armoniac, with Spirit of Nitre; or with common Aqua Fortis, which is made of Nitre and Virtol. See Acqua. Fortis.

It has its Name from its distoiving Gold, reputed among Chydian.

mifts, the King of Metals. ntis, the King or ivieras.

Aqua Regalis diffolives Gold, but not Silver; Aqua Fortis Sil
z. but not Gold.—For the reason hereof fee Manatruum. REGARD, of the Forest, the over-fight or inspection there

of; or the Office or Province of the Regarder; which is to go through the whole Forest, and every Balliwick thereof, before the holding of the Selfions of the Foret, or justice Sen; to fee and enquire of the Treipaffes therein. See Forest. Ad videndum, ad Impairmatum, ad Impreviousdum, ad certifican-dum, Sec. See REGARDER.

sions, Sc. See REGARDER.
REGARD is also used for the Extent of the Regarder's Charge, is so for the whole Forest; or all the Ground that is Parcel thereof. See PRILEU.
REGARDANT, in Henddry, is understood of a Lion, or orbot Beath of Prey, been in a Pollure of looking behind him, with his Face towards his Tail.

Others apply it to a Beaft which only shews the Head, and fome Part of the Neck, as moving from out of some Divisions of the Coat into another.—He bears Awars, three Bends, Or, in a chief Argent, charged with a Lion regardant Gules.

will be the Manuary or Retardant to the Manuar, is an anti-ent Officer, or Retainer to the Lord; thus called because charged ent Officer, or Retainer to include; thus cauca because cassages to do all bafe Services within the Manour, to fee the fame freed of all filthy and loathfome things that might annoy it. Color on

REGARDER, REGARDATOR Forester, an antient Officer of ALDANDER, REGERDATOR SWOTS, an annex Unifer of the King's Fortel, whose Baimest was every Year, pon Oath, to make a Repard, i. e. take a View of the Forelt Limits; allo to enquire of all Offences and Defsalts committed by the Foresters within the Forest, and of all the Concesiments of them, and whether all the other Officers did execute their respective Duties or not. See FOREST

Manuson refers this Inflitution to King Henry II. but Spelmers thinks the Name, at leaft, was given face, and that they were the fame with those Officers called Cuffsdes Venationis. See

REGAID.

REGEL, or REGEL, a fix'd Star of the first Magairude, in Orisas Left Poot.—Its Longitude, Latinude, dv. fee among the rest of the Consideration Original.

REGENERATION, in Theology, the Ad of being born again by a giventual Birth, or of becoming a Child of God. See

ONVERSION Regeneration is performed by the washing of the Holy Spirit, hereof Baptisin is the Sign. See Baptussa. When an Infidel is converted, Baptisin is administred as a Sign

of Regionation.

REGENT, a Perfon who governs a Kingdom during the Minority, or the Athence of the King. See Vice Roy.

In France, the Queen Mother has the Regency of the King-down, under the Title of Busen Regirns, while the King is a Minor—Some have unged that Women being incepable of faceteding to that Crown, were incapable of the Regney; but Cuthom her delayed in that Grown, were incapable of the Regney; but Cuthom her delayed in that Grown.

and to that Crown, were integrated to the Regenty, our Custom has declared in their layour. See SALE. REGENT is also tack for a Protettier of Arts or Sciences, who holds a Clafe, or fet of Pupils, in a Colledge. See College. The Foreign Universities are generally composed of Dactone, Profetible and Regents. Regent and Scholte are Relative Terms.

Sec Turon. Regent is generally reftrain'd to the lower Classes, as Regent of Rhetoric, Regent of Logic, eye, these of Philosophy are rather call'd Professors. See Professor.

called Profetions. Dec PROFESSOR.

REGIFFUEL, REGIFFUELWA, a Feeth held in ancient Rows on
the faths of the Calends of Barely, t. c. on our agth of February,
in Memory of the Expedition of their Kings, penticularly of Zarpain's glying out of Rows on that Day. See Feart.

Some will have this Feath to bear the Name from the Row Sacrown, King of the Sacrifices, flying out of the Comitia, or the

REGIMEN, in Medicine, a Rule or Course of living, with

REGIMEN, in Motiones, a Rule or Coarfe of Irring, with regard to entire, draining, clothing, and the lite; accommodated to fore District, and to the petterdar Coarfe of Mediciner to See District. The doubted whether the box or cold Regimes be used conversion in Seven.—The box Regimes which antendy domined in conversion in Seven.—The box Regimes which antendy domined in conversion in Seven.—The box Regimes which antendy domined in the service of the seven o Dessark, is an usual Dish for a Person in a high Fever.
Word is pure Latin, and figuities Government and Rule. REGIS

ten, in Chymithy and Alchymy, is the Method of ordeing and cooducting any thing, that it may answer its Intention.

Thus, Regissen of the Fire, is the manner of making and ordering a Fire, and the Degrees thereof. See Fire and De-

Regimen of the Wark, that is, of the Philipspher's Store, call'd the Work of Patience, is the Rule and Conduct to be observed to smain Projection. See Philipsophians Store, and Propertion. There are three things to be chirtly regarded in the Regimen of the Work—The first to administer a geotic, easy Heat, at the be-minimen of the Column.

ginning of the Coction.

The focus to continue this external Heat according to the Season of the Work; always observing sour Scalous, as in the common and astronomical Year; The beginning being the Winter, the Progress the Spring, then Summer, and lafely Autumn, which is the time of Marurity and Perfection of the Stone: In all which the Heat is to be sugmented in Proportion to the Aug-

mentation obtervi an Nature.

It is to be added, that the Work may not be begun in any Seafon, but regard is to be had to the Seafons of Nature; leaft the Winser of the Work be found in the Summer of the Year, exWhich, bowever, is to be underflood of the Day wherein the Mercray is put in the Owner Polifophians; not of that when it is begun to be fet at Liberty from the Prisons Nature had inclosure.

The third is that in augmenting the Fire, the Augmentation be not of a whole Degree at once; the Spirits being unable to bear fath Violence; but a Degree is to be divided into four Parts, and

sign Visitence; but a Degree is to be devised into tour Farts, and earl Part to be taken at a time. See Designed, and the Operations of the first Regimens, are occult and invisible:

All the Operations of the first Regimens, are occult and invisible:
the the Court Regimens counts puritable on, which is the first feafolk Change; thewing it felf by its black Colour. See PUTATEARTHON, OF.

REGIMEN OF GOVERNMENT, in Grammas, is that Part of Syntax or Construction which regulates the Dependancy of Words; and the Alterations which one occasions in another. See Syn-

TAX and CONSTRUCTION. Thus we say, the Regimes of a Verb active, is an Accusative, i. e. a Verb active governs an Accusative; or requires that the Noun which receives its Action be in the Accusative Case. See

VERB, ACCUSATIVE, &c.

Prepositions have fome Regimen, i.e. they require certain Case
in the Nouns they are prefix'd to; by which they are diftinguish
of from Adverbs which have none. See Preposition of See PREPOSITION and

The Regimen, or Construction of Government, is entirely ar-The Regimes, or Continuction of Government, is enturey as-through an eligible for in all Languages; ore Language forming in Regimen by Cales, as the Latinus and Greeks; others by Particles, and in the charge is the English, by if in, Sec. the French, Spani-ands, and Indians, by also, yellow, Sec. Cales. There are, howevers, forme general Meximus which hold in all Language—san 19. That there is no Noomitarive Cale in any produces but has Reference to foliar Verb either expertific or many continuous contractions of the Cales and the Cales in any contractions of the Cales and the Cales and the Cales and the Cales and the produces but has Reference to foliar Verb either expertific or many contractions of the Cales and the

understood. See NOMINATIVE.

usberflood. See NOMMATTE.

3.º That there is no Verb but his its Nominative Cafe, either expedid or underflood.—Indeed in Languages which have proper Accustives, as the Lasts, before Inhinitives there is an Accustive, not a Nominative Cafe. as Soi petrue of destines, 3.º There is no Adjective but his a Relation to forme Sub-

3º Three is no Ajelchure part nav and a Marine. See Aspartrus, 6º Thrit there is no Gariner Cafe but is govern'd by found the Marine and Aspart and the Cafe always experiis the Politic Cafe within justification at the Cafe always experience as held to appeared in the modern as the union. Languages, in stand the Particles of the Occ. Which are the proper See See Gartine Cafet, are frequently used as Prepolitions. See See Gartine Cafet, are frequently used as Prepolitions.

GENETIVE.

5. That the Regimen of Verbs is frequently laid on different Kinds of Relations, according to Cultons or Utge; which yet does not change the freelik Relation of each Cafe, but only finess the Californ has made Choice of this or thes, according to Fancy.—Thus the Latins say, Junear alspaces, & optimizar ab-

Place of Adiembly, as from as the Securice was over; in limited and the High of Tarquin the Press of the High of Tarquin the Press of the High of Tarquin the High of

beware of him.

bewere of him.

There is one very common Feals in Register, which our accurate Writters should be careful to road; sie, the stilling of two cares. The stilling of the stillin

that of the Men in a Troop or Company. See TROOP and COMPANY.

COMPANY.

There are Regiments of Hoefe, that are not above 300 Men; and there are forme in Germany of 2000; and the Regiment of Picardy in France conflits of 100 Companies, or 6000 Men.

The Franch Regiments of Horfe are not commanded by a Columbiant, or the Companies of the Co lonel, as the Foot are, but by a Meftre de Camp. See MESTRE de Carop.

Some observe, that there were no Represents of Florie before the Year 1637. "Till then the Troops were looks and indepen-dent of each others, not incorporated into a Body or Regiment. See GUARD.

See GURAD.

REGIO Afferfa, is a Writ whereby the King gives his Royal Affert to the Election of a Eithop. See Bustop.

REGION, RECION, RECORD, in Georgraphy, a Causary, or a particular Division of the Farth, or a Tract of Lund inhabited by People of the sine Naison. See Earth, NATION, 677.

The modern Aftronomers divide the Moon into feveral Region.

or Provinces, to each whereof they give its Name. See

REGION in Physiolgy.—Authors divide the Atmosphere in hire Stages, call'd the upper, middle, and lower Region. ATMOSPHERE.

ATMOSPHERE.

The lowed is that wherein we breath; and is bounded by the Reflexion of the Son's Rays; that is, by the Height to which they rebound from the Earth. See Ray.

The middle is that wherein the Clouds refide, Meteors are formul, elv. extending from the Earthwith of the Aways, so the tops of the highest Mionatains. See Mirricox, Cotory, Mours.

TAIN, ebr. The apper commences from the Tops of the Mountains, and

The apper commences from the Tops of the Mountains, and reaches to the tunned limits of the Antonfphere.—In this reigns a perpetual, equable Calimandi, Clearnets, and Screnity. See Aira. Some Authors use the Term Elementary Reign, for the Space of the whole Atmosphere, from the Earth to the Spacer of Hesen of the Mount, because with this are contained the four Elements, and all Elementary Boddes. See Elements and all Elementary Boddes.

Etherial Region is need for the whole extent of the Universe, including the Orb of the fix'd Stars, &r. See Universe. REGION, in Anatomy, is a Divilion of the human Body. See BODY.

Anatomifts divide the Body into three Regions, or Venters. ENTER.

The apper Region is that of the Head; reaching as low as the fit Perichas; and comprehending the assimal Organs, the Brain, exc.

The middle Region is that of the Thorax or Bensit, which Highparatur calls the upper Venter, and which reaches from the Cla-vicles to the Disphragm; wherein are contained the vital Parts, as the Heart, Lungs, &v. See HEART, LUNGS, &v. The third or lower Region is the Abdomen or Belly, &v. con-

taining the natural Parts, deftin'd for Digeftion, Purgstion, and

Baling for hacutal party, ordinal to Generation. See Abdomary,
REGIONARY, REGIONARYS, in Ecclefuffical Hiftony, a
Title given from the fifth Century, to Perfoss who had the Charge
and Administration of the Church Affairs within a certain Di-

firit or Region. At Rosse there were antiently feven Regionary Deasons, who prefided over a kind of Heipitels, and look d to the Distribution of Alms. See Deacon.

There were also Regionary Subdemons, and Regionary Notaries,

There were slid Regimery Subdensors, and Regimery Naturies, Regimery Billips, Sec. See Norvary.

A Regimery Billips was properly a Millionary invefted with an Epiticosal Claratecte, be without being attach to any particular See, that he might be at Liberty to go preach, and perform other Functions of his Ministry, winther foever the Spair of God, and the Wants of the People Incald call him. See Minston Any.

REGISTER, REGISTRUM, a publick Book, ferving to enter and record Memoirs, Acts, and Minutes, to be had recourfe to, occasionally, for the juffifying of Matters of Fact, &v. See Re-

CORD. desirents Weal, by Corrupting from Regillers, Bookcounting Entroller of fewer Books, 6°C. collection grounds of Section 10 fewer Books, 6°C. collection grounds are Dates regiliers good ferrors glass.—Others detric it from the OH Prents, 1960: to its down in a Book ground, for the re-The Law of Section 11 method very edit good regalar, by The Law of Section 11 method 10 fewer per con-counting the Corresponds of Linds, 6°C. of private Perfors. —O't their three are two Kinds: The one General, first at Edi-roll, under the Directions of the Law Leggler, who better hereful method 10 fewer 10 fe our ancer the Direction of the Land Registro, who before the Union was the fifth Officer of State, and besides the Registry, was Clerk of the Parliament, Treasury, Exchequer, and Settion. The other is particularly kept in the feveral Stirrey, Newsload, and Regulities—The Clerks bereof are obliged to transfinit the

Regilers of their refinetive Courts, to the general Regiler; and the Notries their Protocols: And here they are so disposed, that on demand the Lieges can have a view of any Writs which the Law requires to be retifier 4 or which Parties for their Security

Law requires to be righter a, or which exture he were locally to to record.

The Register were first fet on Foot by Act of Parlisment of King James VI. to the unspeakable Advantage of the Subject.

No Man can have a right to any Ethers, but it must be registered within form Days of his becoming feired of its, otherwise in an all. By this means all ferret Conveynous are out off.

"The Conveynous are out of the control of the Conveynous are out of the control of the Conveynous are control." REGISTER is also used for the Clerk or Keeper of a Register. or Regifty. See CLERK.

Of these we have several, denominated from the Revisiers

keep—as Regifer of the High Court of Delegate; Regifer of the Arthus Court of Countriony; Regifer of the Court of Adminaty; Regifer of the Presignive Court; Regifer of the Garter, who is always Dean of Windfor. See Delegate, Arches, Admiral-

REGISTER of Prayer. GARTER, &c.

REGISTER of a Parilo-Church, is a Boak wherein the yearly
Baptifms, Marriages, and Burals of each Parilh, are orderly regifered. See Parish, &c.

This Practice was laudably inflituted by that great, but unfor-turate Perfon, Thomas Crowwell, Earl of Effex, Anno 1538. while he was Vicar-General to King Henry VIII. See Bill of

REGISTER is also the Title of a Book, containing the Forms of most of the Writs used in Common Law; call a the Register of Writs. See WRIT.

of WHILL SEC WERT.

This Regifer, Oaks on Littletss observes, is one of the most
antient Books of the Common Law.

REGISTER-Ship, or Sheps of REGISTER, in Commerce, are
Vestles to which the King of Span, or the Council of the Lindry, grant Permatitions to go and trasfick in the Parts of the Spanith Hip]-Indies. See Construct. They are thus called because the Ships are to be registered be-fore they set fail from Cades, which is the Place where they usu-

fore they let last from 6.000, which is the a sine wirer une, unad lyle load for Browns Affect.

These Vessels, by the Tenor of the Permits, we not to exceed three banderd Tours But there is the good understanding between the Merchann and the Council of the Isado, that Ships of we or in the bunderd Tan frequently past sur-nozed.

Between the Merchann and the Council of the Isado, that Ships of we fire it bunderd Tan first profession of the Ships of the Both Ships of Ships of the Ships of Ships of the Ships of Ships of Ships of the Ships of Ships

but were toey to cont an analysis into thomas in executions when the beginners and the King of Spaire a Lofer.—For though the Quantity and Quality of the Merchandices on-board, be always expressed; yet, by Force of Presents, the Officers here and in the Losies, allow them to load and unload vasity more than the Permiffion expreffer.—Veffels whose Certificate only mentions twelve thousand Skins, and an hundred thousand Pieces of Eight, have been known to have on-board above four Millions in Gold and Silver; twenty fix thousand Skins, eve. So that the King of Span's Fifth, and his other Dues, were almost nothing to what they should be.

they should be.
Add to this, that in the Years 1702, 1703, 67c. these Register
Vessels, countersancing and backing each other, fold their Commodifies for above three hundred per Gers. Profit.—A Hat was
fold for 18 Pieces of Eight; an Ell of ordinary Cloth for 12

Pieces of Eight, eve Process of rights over Among the Regifes Vessels may be reckoned a Ship of five handred Tuns, which the King of Spain allows the English Stants-Stan Company to find each Year to the Fairs held at Porto Bello,

Sas Company to LEGO CREST LEGY TO THE PRINT BELG AT Parts Edits.

Carthagens, &cc. See Course, is one of the inner Parts Edits, Recurrency among Letter-Foundary, is one of the inner flar of the Month wherein the Printing, Types are call. See Letter-Ins. Is use is to direct the joining them justify together again, after pening them to take out the new-call Letter. See Letter-Ins. FOUNDERY

REGISTERS, in Chymifity, are Heles, or Chinks, with Step-ples to them, contrived in the Sides of Furnaces, to regulate the Fire, I. e. to make the Heat immediately more intense, or re-Fire. L. to make the Flest immediately more intensity or miss. by opening them to let in the Air, or keeping them folds, to exclude it. See FURRAME, FIRE HEAT, DEGUES, &c. REGISTRING, in Praining, the disposing of the Preis for as that the Lines and Pages possited on one Side of the Sheet, meet exactly against those on the other; which is done by means the contract of the second of the Sheet 
of two Points in the greater or curvant Typura. SeP RINTING.
REGISTRY, comprehends the Orline. Bodes, and Reids
wherein the Proceedings of Chunceyeas.

The Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chunceyeas.

Registry of Chu

University Statutes, called regge Prifigures. See Prices States.

REGULET. or Rotters, in Architecture, a little flat narrow
Moulding, utiled cheefy in Compariments, and Pannels, to fepanate the Partie or Members from one another, and to form Knots.

The Richs, according to See Moutmonto, Party, dev.

The Richs, according to See Moutmonto, Party, dev.

The Richs, according to See Moutmonto, Party, dev.

and Liftel, in that it projects equally, like a Rulet. See Fillers and

LIFT.

The Word is a diminutive of the French, Regle, Rule.
REGISTR, or REGISTR, in Phinings, are thin Rulers, or
Rips of Wood of different Dimensions, placed in the Chafe, between the Pages, and at the extremes thereof, to keep them adjader, and bold them tight. See PRINTING.

The Regler make the chief Part of what they call the Farni-

re of the Chafe. See CHASE.

They are particularly denominated from the Place they are in, in respect of the Pages, Hend-Sticks, Fost-Sticks, Gutter-Sticks,

The Term is also ofed abroad for a Ruler of Metal, & of an Inch long, but which may be lengthened out by joining feveral together; used to separate the Columns, in Books that have se-veral in the same Page; as also for Lines to Place the Notes on

in Printing of Mulick. in Printing of Mutick.

Laftly, Reglet, is also a little thin slip of Wood used by some
Compositors to take off the Lines from the Composing-thick,
and Place them on the Gally, as fast as composed. See Cost-

half Place them on the Chany, as talt as composed. — one Com-outront, Gallett, etc., REGRATOR, a Law Word, formerly used for one that cought Wholeside, or by the Great, and fold again by Retail. The Term is now chiefly used to denote one that Buys and Sells again any Wares, or Victuals in the fame Market or Fair, or within five Miles of it.

within the Miles of It.

REGRATOR is also died for a Perfen who furbifles up old

Moveables, to make them pass for new. See FURBISHER.

Among Masons, etc. to regular a Steam, is to take off the outer

Surface of an old Heuw Steen, with the Hammer and Rape, in

order to whiten and make it look fresh again. See STONE and

REGRESSION, or Retrogradation of Curves, &c. See

REGRESSION, or Kerngradition of QUIVES O'C. See REGULLA. See RVLS. REGULLA in Architecture. See O'RLO. REGULLA in Architecture. See O'RLO. See RVLS. See RVLS. See RVLS. See RVLS. See RVLS. Thus we six, a Regular Proceeding. A Regular Stadking.—A Regular Porm, dv. Regular Verb. See News. Porms,

In this Sense the Word stands opposed to Irregular, or Anoma-

In this Sinch the Word flunds opposes to largestive numerous. See Association, 67c.

RESCUERE RESPONDE (SC. RESCUERE), in Eigene which is both equilitated, and equalities; in a velopolitie; i. or whole Size, and configurably and equalities; in the velopolities; i. or whole Size, and configurably happens and equal. See Frienza.

All other region Figures confilting of more than four Sides, are critical Englary Hagenes. See Portroces.

Every region Figure may be infected in a Clintle. See Crusters. For the Dissensions, Properties, Sec. of Regular Figures, Sec Po-

REGULAR Bady, call'd also Platanie Body, is a Solid termina-

To meafure the Surface and Soliday of the five regular Bodies.

The Solidity, &r. of the Cube is shewn under the Article

The Terahafras being a Pyramid, and the Offabairas a double Pyramid; and the Institute confifting of twenty triangular Pyramid; and the Desirearies of twelve Quinquagular ones, whose

mids 3 and the Distriction of revelve Quicoursquare ones, whole belter set in the Strictic of the Inglish was mid their set of the Striction on the Indistriction and their set of the Striction of the Indistrict of the Indistrict of the Indistrict of their belter set in Indistrict from the set of the Indistrict of their Beautiful of the Indistrict of the Indistrict of the Indistriction of COLOR-byte; for the Olderheir by 18 of the Distriction of the Indistriction of t

Area Soe Area and Superficies

Proportions of the Sphere, and of the feve Regular Bodies inferibed therein: The Diameter of the Sphere being 2.

| The Circumference of a great Circle is, | 6.  | 28311 |
|---|-----|-------|
| Surface of a great Circle.              | 3-  | 14155 |
| Surface of the Spheres                  | 12. | 56637 |
| Solidity of the Sphere,                 | 4   | 18855 |
| Side of the Tetrahedron,                | i.  | 62295 |
| Surface of a Tetrahedron,               | 4   | 6188  |
| Solidity of a Tetrahedron.              | o.  | 15132 |
| Side of a Cube or Hexahedron,           | 1.  | 1547  |
| Surface of the Heyahedron,              | 8.  | -)+/  |
| Solidity of the Hexahedron,             | 1.  | 5390  |
| Side of an Octabedron                   | 1.  | 41421 |
| Surface of the Octahedron,              | 6.  | 928   |
| Solidity of the Octahedron,             | 1.  | 3333  |
| Side of the Dodecahedron                | 0.  |       |
| Surface of the Dodecahedron,            |     |       |
| Surface of the Dodecanearon,            | 10. |       |
| Solidity of the Dodecahedron,           | 2.  | 78516 |
| Side of the Icofihedron,                | 1.  | 0514  |
| Surface of the Icotibedron,             | 9.  | 5745  |
| Solidity of the Icofihedron,            | á.  | 53610 |
|   |     |       |

If one of these Bodies be required to be out out of the Sphere of any other Diameter; fay, as the Diameter of the Sphere 2, is to the Side of any one Solid, infertibed in the fame, (fuppofe the Cabe 1, 154,7) for its Diameter of any other Sphere (fup-pofe 8) to 9. 2376, the Side of the Cube infertil d in this latter

Sphere. Let dr, then,  $(Tab.\ Gravetry, Fig.\ 81.)$  be the Dismeter of any Sphere, and ds  $\frac{1}{2}$  of it. -sim dr. Erec't the Perpendiculars as  $\frac{1}{2}$  of it. -sim dr. Erec't the Perpendiculars  $\frac{1}{2}$  of  $\frac{1}{2$ of the Dodeeshedron. (5.) Setting the Dismeter of up perpen-dealarly at r; from the Centre, e, to its Top, draw the Line es, eating the Circle in g.—Let fall the Perpendicular gb; fo is br the Side of the Icothedron.

REGULAR Carves, are such whose Curvity proceeds continually in the sum custorm Geometrical Manner—Such are the Perimers of the Coole Sections. See Curves, Conve Sections, Sec. Such as have a Potent of Inflection, or Regression; and which being continued to a certain Poine, turn themselves a contrary Way, are call'd Irregular Carver.—Such are the Conchoid, and the folid Parabola, which has a Square for its Parameter. See

FLEXION and RETROGRESSION REGULAR Architecture, Fortification, &cc. See ARCHITEC-TURE and FORTIFICATION.

REGULAR, in the Moutific Senfe, is a Person who has made the Vows in fome Religious House. See RELIGIOUS and Under Regulars are comprehended the whole Body of Monks.

See Monk. The Denominations of Regular, in this Cafe, arises hence, that they are bound to observe the Rule of the Order they are co-trid into. See Rule and Order.

Hence, Regular Prieff is used for a Prieft who is in fome Re-ligious Order; in opposition to a Secular Prieft, who lives in the World, or at large. See SECULAR.

record refers in opposition to a Secular Prietly, who lives in the World, or at large. See Secular.

A Cardinal is reputed both Regular and Secular, and is entitled to the Rights of both. See CARDINAL.

Regulars may be promoted to Bithopricks and Archbithopricks.

a well as Seculars; but their Promotion fecularizes them; the Epilopal Dignity dispensing them from the Observation of the Rule whereof they have made Profession. See SECULARISA-

REGULAR COMMS. See CANON.

All Benefices are prefumed Secular, unless they be proved Ro-

Amiently, the Resular Benefices were almost all confer'd by way of Administrations or Caracies; the Religious Incumbents being aways ad Manuss of their Superiours, who displaced them at Pleasure—Hence the common Maxim among the Canonists. orree Beneficiano rega

ween Benifone regulare massair.
The Benificies afficed to Negalars are Abbies, Conventual
Phones, Simple Priories, and Caudral Offices—They may be
contrict an Sculais in Onsemedae. See Community of India
Rational Plans, are those within the Boundary or India
red of the Convent; as the Closificies, Denminor, Coapter, and
Reficiery—In opposition to those defined for Gueffe, and for

13; and for the Lightedres by 20.—The Product is the inperficial the Necessaries of the House, which are reputed without the

REGULATION, a Rule or Order preferibed by a Superior, for the uniform and orderly Minagement of forme Branch of Policy, Juffice, or the like. See Law and STATUTE, ORDE-

60 REGULATOR, of a Watch, is a finall Spring belonging to the Balance; Reving to adjust the going, and make it either pro-ceed fafter or flower. See WATCH, See.

REGULO, a Title given to the Sons of the Emperous of

Cains.

The Emperor's clieft Son, whom we call the fift Reads, was the cody one of all his Calairen in frouzz; this of a faction, the cody one of all his Calairen in frouzz; this of a faction, the cody one of the cody of t

COUNT and EARL

Hence, Subregules, was used for a Vice-cours, or Vicesus: The in many Places the two form used indifferently for the fame Dis-

Thus in the Archives of the Cathedral of Woreefter, Uthredas, fometimes files himfeli Regulus, and fometimes Sai-regulus of the City of Worcefter.

But in other Places we find Offe, Rex Merciorum; Urbresles,

But in other Pierce we find Offs, Res Menciousmy Director, Regular, Aldreico, Sarlevino, Soc. Gentle and purel Patt of a Metal or Mineral, which fails or precipitors to able between of the Cuncilio or Parames, to meding a Mineral, or metallic Ore. Sea Mirrata, Miserata, Pierces of the America of the Pattern Sea Mirrata, Miserata, Pierces of the America of the Pierce Sea Mirrata, Miserata, Pierces of the America of the Mineral Sea Mirrata, Miserata, Pierces of the Pierce Pierces Sea Mirrata, Miserata, Pierces of the Pierce Pierces on Pierces of the Mineral Pierce of the Pierce of the Pierce of the Commonly which is Niver, Pierra, Cov. which purple the fallphanear Pierce Reference of the Mineral Pierce of the 
themfolew. See FLUX Fronts.

\*\*Regular principly until for that of Justimory, which is Regular principly until for that of Justimory, which is recorded to the principle of the Regular Let (and the principle of the Regular Let (and the Regular Let)).

\*\*But the more common way of reducing it is too a Regular let (and the Regular Let).

\*\*But the more common way of reducing it is too a Regular let (and the Regular Let).

\*\*But the more common way of reducing it is too a Regular let (and the Regular Let).

\*\*But the more common way of reducing it is too a Regular let).

\*\*But the more common way of reducing it is too a Regular let).

\*\*But the more common way of reducing it is too a Regular let).

\*\*But the more common way of reducing it is too a Regular let).

\*\*But the more common way of reducing it is too a Regular let).

\*\*But the more common way of reducing it is too a Regular let).

\*\*But the more common way of reducing it is too a Regular let).

\*\*But the more common way of reducing it is too a Regular let).

\*\*But the more common way of reducing it is too a Regular let).

\*\*But the more common way of reducing it is too a Regular let).

\*\*But the more common way of reducing it is too a Regular let).

\*\*But the more common way of reducing it is too a Regular let).

\*\*But the more common way of reducing it is too a Regular let).

\*\*But the more common way of reducing it is too a Regular let).

\*\*But the more common way of reducing

FLUX Pousier. The Scores found at the top of this Regules is violently emetic.

The Scann found at the top of this Regula is wishingly entailed, as a well as the Regular infifty whereif if Scan or diringle Veifeld be call; the Wilse put into them will become vernishers. Of this Regular call in Models it much chief commonstant of the Wilse put into them will be considered the constraint of the Wilse put the Veifeld of the Wilse put the Veifeld of the Wilse put the Veifeld of the Wilse put the Wilse for by repeated Infusions in Wine, though the Liquor be made violently Emetic at first, yet by Degrees it loses its Force, and at length ceases to be Vomitive.

Martial REGULUS of Autososy is a Mixture of the Nails of Hotle's Shocs, melted with the Regules. In this Operation the Iron diffolying and absorbing the fulphu-

In this Operation the tron discoving and abtorning the suppor-rous Parts of the Antimony, more firecogly than the Fluxes in the former Cafe; and turning it into a Crocus; the Antimony is hereby broaght to a greater Degree of Purity, and reacher'd more efficacious than to the common Regular. See Iron, Sulphure,

This Regular is fornetimes further purified by repeated Fusions and Detonations, with the Addition of fresh Antimony, and more Nitre, alternately,

REQUEST, in Altronomy, is a Star of the first Magnitude, in the Controllation Ley; call'd allo from its Situation, Car Lessis, or the Lion's Heart; and by the Chaddauni, Kalbeitend, or Kalbe-levial, from an Opinion of its influencing the Affairs of the Hea-

death, from an Opmion of its influencing the Affairs of the Heavens: as inobleved by Thems. Coe State.

The Longitude of Repairs, as fird by Mr. Flamflerd, is, ag<sup>2</sup> x<sup>2</sup> ασ<sup>2</sup>, and its Latitude α<sup>2</sup>, ag<sup>2</sup>. You'll, so the Earth Let Affairs, See Leo.

REHABILITATION, in the Civil and Canon Law, an Aditon whereby a Prince or Pops, by Dispenditions or Letters Paterts, reduce a Delinquent to the Coedition by was in before his Delinquency. See DEGRADATION, &v.

The King alone can Rehabilitate an Officer noted, o ed and degraded; or a Gentleman who has derogated from his Degrees. See NORLITY.

The Pope alone pretends to Rehabilitate, i. e. to render cape-e of Benefices, and Orders, such as had fallen into Herefy, or other frregularities.

In Ramifo Countries, an Ecclefiattick who affifts at the Execu-tion of a Sentence of Death, is to be rehabilitisted, by an Abfo-

lution call'd a x-ow See Ansolution.

REHEARSAL, in Mulick and the Drama, an Effiy or Experiment of fome Composition, made in private, previous to the Representation or Performance thereof in publick; to habituate

the Actors or Performers, and make them more ready and perfect There is a new Tragedy in Rebearful.—The Rebearful of the

Andream, etc.

REIMBURSENTENT, in Commerce, the Arkine of repripting the REIMBURSENTENT, in Commerce, the Arkine of repripting the REIMBURSENTENT, in Commerce, the Arkine of the Reimburse, etc. of what smokes has dishedred to paid for an Arendon who per seal for Exchange in Prysence, is to receive the Reimbursent of 
REINS, in Anatomy, the Kimeys; or that Part of an Animal whereby the Urine is separated from the Elood. See Kid-NETS. See also URINE.

The Word, according to Varre, is found from the Greek, mer's yea, Sun Rivi objects bowers ab its orienter.—The Greek call the Rim, webs, from the Verb, signer, to Snow, Rain. See

NEPHRITIC

NEBHRATIC.

In the Manage, we fay, a Horfe frould have abode Reiser, which is when he has them a lattle more elevated on each Side of the Back-bone, thun upon it; to the priling your Hand slong it, you find it large, well framished and double, by the Hollow that goes all along the Back-bone.—The Back floud be firm, and not Hollow, or beading from the Withers to the Croup, but See Horse

Straight. See Horaza. The REINS of Horder, are also two fittings of Leather meeting in the label—Hand of the Horderman, is order to make the life beats and keep the Horder aimer Sudjection. See BRADEL. A Raife Reins in a Lath of Leather, puiled Remetimes through the Arctio of the Bringuet, to beat the Harly Need. REINSTATING, the rethoring of a Perion or Thing to its former batter or Conditions, from whence it had been disturbed former batter or Conditions, from whence it had been disturbed former batter or Conditions, from whence it had been disturbed former batter or Conditions, from whence it had been disturbed former batter or Conditions, from the enter the Reinstate Reins

or displaced

or disjaced.

REINTEGRATION. See REDINTEGRATION.

REIS, or Rs. or Rs. a little Paragenez Copper Coin, nearly oculat to the Premote Denor transmit, or to a third Part of the English Parthing. See Cons.

The Reis is both a Carteen and an imaginary Money; the Paragenez usually recknoning by Reis, no the Speniard by Maragenes.

See MARAVEDIA

dil. See MARAYEDIS. Strangers in treating with them, are frequently furrized with Demands of feveral thousand Reis, when the Matter betwire them is eady of a few Pierces of Eliphy; the Affrica, or thou-find Reis, only making 61, 24, 38 etc. — 250 of them are equal to the Piecc of Eliphy. See MILLERIA, 250 of the The Word is originally German, and fignifies a Horfeman, or Ca-

REJOYNDER, in Law, an Answer or Exception to a Re-See REPLICATION.

plication. See REPLICATION.

The Order in the Cours of Chancery is thus.—First, the Defendant pats in an Answer to the Plaintiff's Bill, which is formetimes caird an Exception: The Plaintiff's Answer to this is called a Replication, and the Defendant's Answer to that, a Replication,

a expension; and the Defending's Answer to that, a Rejignador. See Bitt. and Chancery.

The Civilians cell it Depleatie. See Dupt.cation.
REJOYNTING, in Architecture, the filling up the Joints of the Stones in 60 Buildings, for, when wore Hollow by Course of Time, or Water.

of Times, or Water.

Rejupting is performed with the best Morear; as that of Lime, and Ciment; fornetimes, also with Plaister, as in the Joints of Vaslats, &c. See Morrans, &c.

REITERATION, the Act of repetting a thing, or doing it

fecood time. See REPETITION. The Church does not allow of the Reiteration of Baptism. See BAPTISM.

St. Gregory observes, that 'tis no Resteration, when there are ranting Proofs of the thing's being regularly done before. See

fix or feven times. See PLEURISY.
REITERATING, in Printing. See PRINTING.

RELAPSE, a recum or bock-fliding into a Dangur, or Evil a out of which a Perfort had elicaped.

Fevent, Dropfes, for, are Differed into which Relapfe are very record, or the property of the

TDE. Idea of Relative we acquire, when the Mind fo considers any things, that it doth, as it were, bring it to, and fet it by, ano-thers and carry its view from the one to the other.—Hence the Denominations given to things initiating this Reflect's ere-led Relatives; and the things fo brought together, are faid to be Related.

Related.

Then when I call Coins, Heshand; or this Wall enhiter; I intimate forme other Perfon or Thing in both Cafes, with which I
compare him or it.—Hence, the Wall is called by the Schoolmen,
the Salyeff; the thing it exceeds in whiteness, the Trens; and the
whiteness the Pawalatins of the Relation.

The Compare of the Relation.

whiterisk the Florenames of the Keution.

Résiste may be cousidered two Ways; either on the Part of
the Mad efforting one thing to stocker; in which Scale Resiste
the Mad efforting one thing to stocker; in which Scale Resiste
the Mad efforting the Scale Resiste
the Scale Resiste
the Scale Resiste
the Mad efforting the Madia, this Scale; is tool; a zero
the Islan — So that Resistes, take it which way you will, is only
the Mad; and has nothing no do with the things themselved
the Mad; and has nothing to do with the things themselved. See Idea Any of our Ideas, Mr. Lock observes, may be the Foundation

of Relation.—Though where Languages have falled to give corre-lative Names, the Relation is not to eatily taken Notice of: As in Concubine, which is a Relative Name, as well as Wife.

sinter Niemes, the Relation is not for cally relica Notice of 3. As in Occacións, which is Relative Nieme yeal on Wife.

To Occacións, which is Relative Nieme yeal on Wife.

The Occacións, which is Relative Nieme yeal on Wife.

The Niemes of Health Plant of the Relative Notice Niemes. Southern of Relative III.

The Niemes of Health Relative Niemes Niemes Niemes, Southern of Niemes. Southern of Niemes Niemes, Niemes of Niemes of Health Relative Niemes, Niemes of Health Relative Niemes of Health Relative Niemes. The Niemes of Health Relative Niemes of Health Relative Niemes of Health Relative Niemes. The Niemes of Niemes Niemes of Niemes Niemes of Niemes Niemes of Niemes. The Niemes of Niemes Niemes of Niemes Niemes of Niemes Niemes of Niemes Niemes of Niemes. The Niemes Niemes of Niemes Niemes Niemes of Niemes 
The locus of Casie and Littlets, we get room our untervasua of the Vicilitation of Things, while we perceive from Qualifies or Subfances begin to casts, and that they receive their Existence from the due Application and Operation of other Reinga—That which produceds, as the Casie; stat which is produced, the Life feet. See Casis and Erryper.

The Buddey in Wast to the Effect of a certain Degree of This Buddey in Wast to the Life of the Casie and Erryper.

The Decomination of Things taken from time, are for the most part only Relations.—Thus when it is find, that Queen Education fived fixty-nine, and reigned forty-five Years, no more is meant, than that the Duration of her Existence was equal to fixty-nine,

than that the Duration of the Existence was copial to disposing, and of the Obserment to four-yieler annual Revealations of the Sant- And 5 no as all Words and switering to how long.

Sant- And 5 no as all Words and switering to how long.

The sant the sant that the sant the sant that the sant the sant that the sant the s

There are other Ideas, that are truly Relative, which we igni-ity by Names that are thought policier and sholter; finch as great and Britch. Brong and weak—The chings thus denominated, are referred to fome Standards with which we compare them: Thus we call an Aprile Great, which is bigger than the ordinary Sort of thole we have been find for, and a Man weak, that has not so much Strength or Power to move, as Men usually have, or thole of his own Size. e are other Ideas, that are truly Relative, which we figni-

REBAPTIZANTS.

Authors give various Divitions of Relations.—The School Philipper Physicians order the bleeding to be reiterated loophers commonly divide them into those of Origination, under far or seven times. See Pleaviers.

of Negation, which are between opposite things; And those of Affirmation, which are Relations of Agreement between Whole and Part, the Sign and Thing fignified, the Adjunct and Sacket.—This Division is founded upon this, that the Mind can only compare things three Ways, viz. by inferring, denying, and

affection. Others devide Relation into those of Origination; those of Agreenine, e.g., Similiando, Parity, Ori, those of Divergity, and
tion of Ones, in Parity, Predictately, ori, Consolidad, and Predictately, and
Consolidad, Uniform the Consolidad, and Predictately, and Predictately, and the Article of Consolidad, and Predictately, or proteomy fairs and
Son. To the later belong those which are more general than the
Predictated or of different Predictately, and and the Article
Son To the Consolidad or of Conference and Difference of Conference and Difference of Conference and Difference of Conference or Son Technological Predictately
Son Technological Predictates or Son Technological Predictates and Son Techn get in gr. and Creature. See Transcendental, &v.

Mr. Lack gives us a Diffribution of Relations on a different
Bettom.—All fimple Ideas, he observes, wherein are Parts or

Bottom—All Imple Ideas, he observes, wherein are Parts or Degrees, afford an occasion of comparing the Subjects wherein height to one another, in refpect of those simple Ideas; As, whiter, sweeters, more, iets, dr.—Thefe, depending on the Equa-ion and Excess of the Same Imple Idea, in Jeveral Subjects, may be called proportional Relations.

Another occasion of comparing things being taken from the Circumstances of their Origin, as Father, Son, Brother, &c. These may be called natural Relations. Someomes, the Foundation of confidering things, is fome Act

whereby any one comes by a moral Right, Power, or Obligate on to do formething: Such are General, Captain, Burgher; thefe on to no sometering; sacra are Orderin, Captains, burggers; there are influence and evaluatary. Relations, and may be diffinguished from the natural, in that they are alterable and feparable from the Perfora to whom they founttimes belonged, though neither of the Sublitances for related be defined. But natural Relations

are not alterable, but are as lafting as their Subjects.

Another Relative is the Conformity or Disgreement of
Men's voluntary Actions to a Rule, to which they are referred,
and by which they are juckped of: These may be called \*\*Moral Re
""."

It is this Conformity or Difigreement of our Actions to fowe Law (whereby Good or Evil is drawn on us from the Will and Power of the Law-steeped or Ps-sifteen) that renders our Actions morally Good or Evil. See Good and Evil Of their moral Rules or Laws, there feem to be three forts,

with their different Enforcements. First, the Divine Law: Se-condy, Civil Law: Thirdly, the Law of Opinion or Reputaticoning, Cavil Law, I inturely, the Law or Opinion or Reference
on By their Relation to the first, our Actions are cicher Sins
or Darlies. To the second, Criminal or Innocent; to the third,
Yetnes or Vices. See Sins, Vertue, Vice, &c.
Relations, in Logic, is an Accident of Substance: account-

ed one of the ten Categories or Predicaments. See PREDICA-MENT and CATEGORY.

MEST' and CATEGORY.

Each Subfunce admits of an Infinity of Relation.—Thus the time Peter, confidered with regard to Henry, is in the Relation of a Michae with regard to Most, in that of a Tensary, with regard to Most, in that of a Husband,  $\phi$ :—Again, with regard to one Petrico, be is red, with regard to one Petrico, be is red, with regard to mother poor; with re-

gard to another, he is far, near, tail, thort, a Neighbour, Stran-grt, learned, unlearned, good, bod, equal. 6°.

The disputed among the School Philosophers, whether or no

at suppared among the School Fundospiers, whether or no the Relature be a thing formally and really dislated from the Foun-dation of the Subflance. See SUBSYLANGE.
RELATION, is also updo in the School Theology, to denote cottan of the divine Perfections, call d profess costs; in regard by their one Divine Perfoit is received to anothers, and diffunguish-

od from it. See Person

There they teach, that in God there is one Nature, two Pro-terlinus, three Persons, and four Relations. See Trinkery. Thete Relations are Paterney, Filiation, active Spiration, and pulline Spiration. See Paterney, Filiation, See Roy Paterney,

ON, SPIRIT, C'Y RELATION, in Geometry, Arithmetic, &v. is the Habitude, or Respect of two Quantities to one another , with regard to their Magnitude. This we more usually call Ratio, Reafon.

The Equality or Semencis of two fuch Relations, we call Preportion. See PROPORTION.

See PROFORTION.

RELATION, IN Grammar, it the Correspondence which Words have to one another in Construction.

See Construction.

Faulty and irregular Relations are the things clarify to be guarded against, in writing correctly; they make the Senseobstern frequently equivocal—Thus: The Orator was attended to with a Colinal, which was the most remarkable, as the Auditnoe were under some Emotion ere he began,-Here, Caldues being put indeterminately, the Relative which, can have no just and regular

RELATION is also frequently used for Analogy, or what several area have in common. See ANALOGY.

KHLSTON IS 110 Frequency and Management of the feet that place is common. See AnnALOV. In Planing, Architecture, eye, a certain Relation of the feet Pers and Members of the Building or Fecture, conflicted white we call Symmetry. See Symmetric Williams and Members of the Building or Fecture, conflicted white we call Symmetry. See Symmetric Relations Information in municul Composition.

fignifying a barth Reflection of Flat against Sharp, in a cross Form; viz. When force barth and displeasing Diffeord is produced, in comparing the present Note of another Part.—Harris. cod. in comparing the pretent Note of another Part.—Harrit. RELATION, in Law, is where two things, as Times, δr. are confidered, as if they were one, the thing infocusant being con-idered as taking effect, by Relatins, at the time preceding. As if A deliver a Writing to B, to be delivered to C, as the Doct of A; be Writing hall be deemed to be delivered to G.

at the time when it was given to B.

as the time when is wag given to as.

So Billi in Parliament to which the King affents on the laft Day of Parliament, field refare, and be of Force from the first Day thereof. Cade calls in filed Joint. See Day. Timbs. 6v. RELATIVE Propoleous, are facts as include forme Relation and Comparison. See Pacovastross.

Thus, where the Trenture is, there will the Heart be.—As much as thou half, fo much thou art worth, e.e. are Reletrue Propositions.

RELATIVE Terms, in Logic, are Words which imply a Relaties, or a thing confidered as compared to another.

Relative Terms include a Kind of Opposition between them; et so, as that the one cannot be without the other. Such are Father and Sow, Hustund and Wife, King and Subas, de

RELATIVE, in Grammar, is a Word or Term which in the confruction answers to some Word fore-going, called the As-

tedest. See ANTECEDENT Promoss RELATIVE, which Buffer chairs rather to call Mad-

Premose RELEATUR, which Reffer cluster ruber to call Modification of Defensions, as a Brance acid after a Norm, and a state of the companion of the state of the companion of th reading, dre

reasing, e.c., Frequently, the Noun or Pronoun wherewith the Relative or Pronoun is join'd, is underflood; 'A. J. keese wide did that. Where 'tis evidence k mean, I know the Person who did, dr.: RELAY, a fresh Equippey, Horfe, dr. fart before, or ap-posited to be ready, for a I sweller to change; to make the grea-posited to be ready, for a I sweller to change; to make the grea-

The Term is borrow'd from the French Releis, which fignifies

the same thing.—In France, the General of the Posts entitles hamfelf, Superintendent of the Relays. namen, superintendant or the Krisji.

RELATS, in Houting, ser fresh Sets of Dogs, or Hotfes, or both, difforded here and there, for readment, in Cafe the Game come that way, to be cast off, or to mount the Hunters; in lieu of the former, which are supposed to want respire. See

RELAY, in Tapility, is an opening left in a Piece of Tapility, where the Colours or Figures are to be changed; because on those Occasions the Workmen are changed; or else, the Piaces are left to be filled up 'till the reft of the Work is done. See Ta-

to be mised up that we feel to the works a soles. See TAP-PETERY.

RELAXATION, in Medicine, &c. the loofening or flack-ening of the Tone or Tenfon of the Fabres, Nerves, Mufcles, &c. See TENSION, TONE, &c. See also FERRE.

The Relaxation of a Maricle is frappoled to be effected, either by the Periferation of the mercous Spirits, or the Regress of the

Spirits, Blood, &c. which inflated its Fibres; or by the con-traction of the Air, in the Globules of Blood hefore expanded by the fidden influx and admixture of the Spirits, &c. See

Musche, and Muscular Aluma. RELEASTION, in Chirurgery, is a preternatural Extension, or raining of a Nerve, Tendon, Muscle, or the lake, either thro'

raining of a Nerve, Hernias are Defcents or Relaxations of the Intestines, eye. See

HERNIA From the fame Cause arise Descents or Prolapsions of the Anus. See PROCIDENTIA and PROLAPSUS.

RELEASE. See PROCEEDESTIA and PRODUCES OF Releasing. See Release. In this Sense we say the Relaxation of an Attachment, in the Court of Admirstry,

The Tenor of Indalgences is a Relatation, or Diminution of

The Pains of Purgatory. See Isothicanne.
RELEASE, in Law, an Instrument, whereby Estates, Rights, Titles, Entries, Actions, and other things are fometimes extinguished and annull'd, sometimes transferred, sometimes abridged, and fometimes enlarged. A Relasse is either in East, or in Law.—A Relasse in Fact, is that which the very Words expressly declare.—A Relasse in Law, is that which doth acquit by way of Consequence, or Intend-

ent of Law.

RELEGATION, a kind of Exile, or Banifament, wherein the obooxious Person is commanded to retire to a certain Place prescribed, and to continue there 'till he be recalled. See Extra.

My Lord Cabr calls Relegation a Banishment for a time only:

My Lord Cabr calls Relegation a Banishment to a certain Place for a certain Place for a certain Term.

In Ross Relegation was a left fevere Punishment than Deporta-

In Rose Reignise was a led Severe Punishment that Diporta-tion, in that the ringsated Perion did not thereby lieb the Raghis of a Rosea Chizzus, nor those of his Family, as the Austhorsty of a Fabric over the Children, Or. See Besumstays, as the Austroperation of the Boston of the Rose of Church, certain Re-mains of the Bosties or Clouds to frome Sante or Marry, Co-vously preferred in Honora to his Memory, carried at Founda-tion, kind, everyd, dr. See Santy, Manyrak, Processi-cia, kind, everyd, dr. See Santy, Manyrak, Processi-

The Abuses in Points of Reliaks are most flagrant: F. Maskil-low, a Benedictine, complains of the great Number of suspected Reliaks expected on Altass: He owns that were there to be a strict longuistion into the Bukets, vait Numbers of spurious ones would be found offer'd every where to the Piety and Devotion of the Faithful And adds, that Bones are frequently conferrated, so far from belonging to Saints, that to all probability they don't be-long to Christians.

The Catacomés are an inexhaustible Fund of Relicks; yet 'tis fill disputed who were the Persons interr'd here. See Cata-

In the eleventh Century a Method was introduced of trying fuppoind Reliefs by Fire.—Those which did not confume in the Fire were reputed genuine; the rest not. See PURGATION, de

"Tis an antient Cuftom, which full obtains, to preferve the Reliefs in the Altars whereon Mass is celebrated.—To this purprofits a figure Hole is made in the middle of the Altar, big e-nough to receive the Hard; and herein is the Ratic depoined, wrapp'd in red Silk, and inclosed in a leaden Box. See At-

TAR. The Remenfit alleige a good deal of Antiquity in behalf of their Relate—The Manuforn, it forms out of harred out heights to be award to the Relate of the Relate of the court the Relate of Saints; which is alletened a kind of Proof that the Cathelicked did it m the first Ages. See Manucerar, Indeed Edily and Superfixion got ison Religion but to complete the Relate of Relate of Relate, from an Opil—Even the touching of Limne Otaths on Relate, from an Opil—

nion of some extraordinary Virtue derived therefrom, appears to be as antient as the first Ages; there being a Hole made in the Coffins of the forty Martyrs at Confunctionals, expressly for this

RELICTA Verifications, in Law, is when a Defendant reli uithes his Proof or Plea; and thercupon Judgement is entered

quilber in Froct of Fles, since unexcept any property for the Plannich RELICT. See Winow. RELIEF, RELIEVING, Levisnow, in Law, a Fine paid to the RELIEF, RELIEVING, Levisnow, in Law, a Fine paid to the Chief Lord, by a Perfora at his coming to the Inheritance of Land hold in Capito, or Military Service. See First, Lord, and the Capito, or Military Service. Relief is usually to the value of a Years Rent or Revenue

Retry is unasty to the value or a 1 cars Kent or Revenue.

The Origin of the Cultion is close; A reductory or beneficiary Effate in Landa, being at first only granted for Life; after the Death of the Valifia is returned to the Chart Lord, and was hence call of Possion Gardeons, q. d. fillen to the Lord by the Death of the Tenant. See FEE. In Course of Time these seudatory Estates being converted

into Inheritances by the Connivance and Confent of the Lord; when the Policifor of fuch Ettate gird it was call'd Hereditat Cadece, q. d. an Inheritance fallen to the Lord; from whom it was to he recover'd, by the Heirs paying a certain Sum of Mo-

This was faid Relevane beredstaten calwam, and the Money thus paid was call'd Relevances, Relevanes, or Relief. This Relief was established after the Conquest.—For 'till that time

Trinsensy was extraorded are the Computer—or that the trinser were post the Lord, at the Death of his Tenane; confising of Horfes Arms, & See Harston.

But upon the Conquels, the poor People being deprived of all fach things by the Normans, a Sum of Money was fubilizated.

in lieu thereos, which was call'd a Reief; and continues in some Places to this Day.—However, 'tis true, Relief and Herist are frequently consounded in antient Writers.

reconcury consounded in mineral vierters.

RELIEF Registralist, cilil del Largfal, and autient Relief, is
that explained by form Law, or fix'd by antient Cufforn; and
which does not depend on the Will of the Lord—Thus in a
Chitete of King Yolos, mentioned by Maist, Periri—N agai Consitense well Harware Nofferway fore allersas treatment of softier in Cigiltense well Harware Nofferway fore allersas treatment of softier in Cigilte per servitiam militare, nortues furrit & eum deofferit harres suas plana attais suerit, Colevium debeat, habeat haredatatem suam per Antiquum Relevium.

per Antiquam Retervism.

Antiquam Retervism.

Antique and the Comparer, Sc. Bracliss Bys, this Fine was called a Relief quick beredist you justiced fait per Astronferis designs relevant in manus bereions, Sc.

A Relief is also paid in Specage Tenure, or petit Serjoanty;

a Rent or other thing is paid by rendering as much as the

where a Rean or other thing is paid by remidening an much as the Rean for Physions of Reimondy, Philip is to the Land held in Villenge, as well as in Free.—By the Cultion of Pana, Endoy's in order as well as in Free.—By the Cultion of Pana, Endoy's in Carlo, and Endoy's Low College as the Carlo of Pana, Endoy's in Endoy, and Endoy's Low. The Carlo of the Carlo of the Endoy, and Endoy's Low. The Carlo of the Carlo of the app. paid by a Courciain for his Minors, or by the Huisbard for the Fact on the Wino, for New York of the Carlo of the Endoy of the Carlo of the Carlo of the Carlo of the Endoy of the Carlo of the Carlo of the Carlo of the Carlo of the Endoy of the Carlo of the Carlo of the Carlo of the Carlo of the Endoy of the Carlo of the Carlo of the Carlo of the Carlo of the Endoy of the Carlo of the Carlo of the Carlo of the Carlo of the Endoy of the Carlo of the Carlo of the Carlo of the Carlo of the Endoy of the Carlo of the Carlo of the Carlo of the Carlo of the Endoy of the Carlo of the Carlo of the Carlo of the Carlo of the Endoy of the Carlo of the Carlo of the Carlo of the Carlo of the Endoy of the Carlo of the Carlo of the Carlo of the Carlo of the Endoy of the Carlo of the Carlo of the Carlo of the Carlo of the Endoy of the Carlo of the Carlo of the Carlo of the Carlo of the Endoy of the Carlo of

Loricas, four Helmets, tour Swords, four Hunting-Horfes, and a Palfrey.—The Relief of a Baron or Thane was four Hories, RELIEF, in Chancery, is an Order fued out for the diffolying

of Contracts and other Acts, on account of their being unrea-fonable, prejudicisl, grievous, or from fome other Nullity, ei-ther & Jure, or & Facto. See CHANCERY and LOUTYY. Minors obtain Relief against Acts passed in their Minority.— Majors have Relief in cates of enormous Damage, Decess, Vio-

knice, over-reaching, extravagant Bergains, & c.

Among the Romanifs 'dis a Rule, that the Church obtains Relef any time, and against all Adis pass'd in its Prejudice: No Pre-

my any time, and against an Act place place is to responder 190 referrition prevailing against at . See PRESERTITION.

RELIEF, of a Hare, among Hunters, is the Place where the
goes to foed in the Evening. See HUNTING.

RELIEF, in Sculpture. See RELIEFO.

RELIEVE, in the Military Senic .- To Releve is to take the

Post of another Body Fig. of shooter body.

Hence, to Relieve the Guard, to Relieve the Trenches, &c. is to hing fresh hien upon the Guard, or the Trenches, and to freed those to rest, who have been upon Duty before. See GUARD,

TRENCH, Ox. They also say, Relevor a Sentinell, Relevor the Steers-Man.

RELIEVO, or RELIEF, Imbefraces, in Sculpture, is applied to a Figure which projects, or flands out, prominent, from the

to a regare where projects, or tenses outs protunents, from the Ground or Plain whereon it is form'd; whether that Figure be cut with the Chittle, moulded, or cait. There are three Kands of Relieve, Yez, Adia, Balga, and Deal-Roleva.

The Alia Relieva, Hant Relief, or, bligh Relieva, is when the Figure is form'd after Nature, and projects as much as the

Baffs-Relieve, Bafs-Rehefs or low Reheve, is when the Work is but rais'd a little from its Ground; as we fee in Medals, and in the Frontifrieces of Buildings; particularly the Hiltonies, Fefroms, Folinges, and other Oroments in Friezes

Draw-Rolewis when one half of the Figure rifes from the Plan,

i. e. when the Body of the Figure forms cut in two, and one half

is clapp'd on a Ground.—When in a Baffi Related there are former Parts that frank clear out, detach'd from the reft, the Work is call'd a Denu-Boffe

RELIEVO, in Architecture, is the Projecture of any Orna-ment. See Projecture.

This, Daviler observes, is always to be proportioned to the This, Daviler observes, is always to be proportioned to the Magatude of the Building it adorns and the Distance as which it is to be viewed. If the Work be infolited and terminated on all Sode, it is called a Figure in Relevo, or a result Insightent, Such are Strates, Aeroters, &c., Ratarco, in Paleating, is the Digree of Force or Beldness wherewith the Figures feem, at a due Dilatance, to shard our

from the Ground of the Painting, as if really imboli'd.

The Release depends much on the Depth of the Shadow, and the Strength of the Light; or on the Heighth of the different

Colours bordering on one another; perticularly on the difference of the Colour of the Figure from that of the Ground. See Shadow, Colouring, &c.
When the Light is well choice, to make the nearest Parts or
Figures advance; and well diffused on the Masses, this diminish-

riggires accessed, and the carminating in a large spacious Shadow, brought off infantishy, and terminating in a large spacious Shadow, brought off infantishy, the Relevois faid to be deld, and the Clair-objective awards

RELIGION, that Worship or Hornige due to God, centi-dered as Creator, Preferver, Redeemer, &c. See God, The-LODY. Che The Foundation of all Religion is, that there is a God, and

From the different Manners wherein we arrive at the Know-ledge of this Service; Religion is divided into metaval and re-

Natural Religious is whatever we defery to be due and meet by the meer Dichates of astural Reason; as, to love, and ho-nour God, not to abuse his Creatures, &c. See Natural.

RAMON COUNTY TO STATE AND A STATE OF THE AND A STAT Creature and the Creator: The latter does not follow from fuch

a Re-

a Relation, but is super-added from the mere Will and Pleasure

of the Creator.

The first we ordinarily call Movelity, or Ethicks; because immediately conversion about the Manners and Duties of M wards one another; and towards themselves, considered as Crea-

mres of that Being. See MORALITY, ETHICES, e.e.

The latter we call, by way of Eminence, Rolgius, as being the Rule of our Daty immediately to God himfeld. See Reve-

LATION.

The first supposes a God, a Providence, a future State, Rewards and Possishments; the latter likewise supposes an immediate Mission from God himself, attested by Miracles, &c. See

Miracites Relation is particularly used for the special System of Faith and Worthip, which obtains in this or that Country; in this or that Sock; this or that Sock; this cor that Age, &c. In this Sense we say the Remain Relations, the Referred Relations, the Referred Relations, the Referred Relations of the Greeks, the Madamentan Refigies, Facility, Referred, &c. See Jaws, MAHOMETANS, &c. See Jaws, MAHOMETANS, &c. under their pro-

per Mends.

The Siamych hold the Divertity of Relejant, i. c. the different Minners of honouring God, to be pleating to him; imainsach as they lave all the fame Objects, all tend to the fame Rod, though by different Montans. Classic.

The Sentiment of these Idolaters is doubtleft more just than

that of our Zealoss, who hold all but those of their own Reli-gon odious to God.

The several Sects in Religion, see under their proper Articles:

See also Sucr. RELIGION, again, is applied to a military Order, confifting of

Knights who live under fome certain Rule, &c. See Knight, Military, Order, &c. In this Senie we fly the Religion of Malia, &c. See

Mal.Ta.

The Term is fometimes slife used for a Convent.—Thus we The Term is functioned also used, for a Convent.—Thus we have there are Religious of Men. 1. A. Montage Religious O'M. Montage.

1. A third and the second of the second control of the second control of the Religious Conference 
New. See Mone, eye.

M. Naule observes, that fome Domestick Chaprins, and a cer-tin Pride, which leads People to abscond when they cannot make as Figure to their Mind, makes as many Religious as real Piety.—
He aids, that a Girl mailt be made Religious for no other realfon, but because the can't be married answerable to her Consistence.

A Religious can't make any Will.—By the Council of Trent, a Religious may reclaim his Vows within five Years. See Re-CZ.(1)4.

Antiently the Religious were all Laymen, and it was even; blisted them to take up Orders—In 1579 the Parliament of Pa-mi made a difficulty of receiving a Bishop of Laws to the Oath of a Duke and Peer, by reason of his being a Religious: Yet a Religious being promoted to a Bishoprick; is the received scenarized

realization nemg promoted to a companion of his Rule. See REGULAR, for antient Deeds and Conveyances of Lands, we often find the Sellet reffraud from giving or alienating it, Viris Refigion

In intern Dords and Conveyances of Lands, we often find the Softer refitance in a Pair Religion for Softer refitance in the Pair Religion and the Softer refitance in the Pair Religion and the Pair Morrmain. See JUDAINI and Morror Morrmain. See JUDAINI and Morror Morror and Softer Religion Counties, the soften of the Pair Religion of the proclaim through their refitered Counties, that the Counties of the Pair Religion of the Pair Religion Counties, the soft of the Pair Religion Counties, the Soften of Counties, the soften of the Pair Religion Counties of the Pair Religio

JUST SAMON facilists out decess within Religious vol. Chericis.—Si gene-died altigace politics and provisions Superrous cane following facinesis.
RELICOTOR Order, Dec ORDER.
Most Imiliary Orders pretend, likewife, to be Religious; as
their of Matles, who make Vows, &c. See Maleta.
RELICOLA. The Remander or Debet, which a Perfon field
himidis a Debot in, upon the bilancing and liquidating an Ac-

Gone.

Hates, Religitary, the Debox of Religius; as also a Perion

Hates, Polymire-cond—The Frem Religius; as also a Perion

Hates, Polymire-cond—The Frem Religius; and the R

or at first Hand.

A Min grants Lands to one for Term of Life, the Remainder to another for the Term of his Life; which Remainder may be either for a certain Time, or in Fee Simple, or Fee Tail.

Spelman makes the difference between a Remainder and Rever from to conflit in this; that by a Revertion, after the appointed Term, the Eftate returns to the Donor, or his Heirs, as the pro-per Fountin; whereas by Remanuler it goes to some third Per-

per Foanting whereas by Remander it goes to Some third Per-fort, or Stranger. See Revession.

Glosville observes, that Bishops and Abbots, in regard their Benonies are the King's Alma, cannot give any Part thereof by well of Remander. See Bassion.

REMAINDER, in Mathematicks, is the difference; or that which is left after the taking of a leffer Number, or Quantity, from a

is left arter the taking or a neuer Number; or Quantay, treat a greater. See Sunwrakacrton, REMARRYING, the repeting of a Marriage; or the going through the Solemnistics of a lecond Marriage. See MARRIAGE, Caindethies and uncanonical Marriages are deemed anally, and the Parties are to be re-sourced in form; at lenft to avoid Dif-

It was antiently expressly forbid to re-marry in the first Year of Viduity.—M. Bayle observes, that a Person who does not re-marry is answerable to the Publick for all the Time lost in his Viharry, or Widdower-hood. See Winow, Vidurery, &c.

REMEDY, REMEDIUM, in Phylick, a Medicine, or Preparation applied either internally or externally, for the Care of a

Difeafe See Medictus.
Emplafters, Unquents, Cataplafins, &c. are Topical Remedies. TOPICAL

Mercury and the Bark are Specific Remedies. See Specific Miotral Waters, and Affe's Milk, and Country-Air, are afaally the last Remedies.

on is fornetimes call'd by way of Eminence, the Reme-See Salivation.

When Remeder are fluff'd with too many Ingredients, they

load the Stomach with a flitty Mucalage, which fwelling does more hurr than good.

REMEMBRANCE, is when the Idea of fomething formerly known, recurs again into the Mind, without the Operation of the like Object, on the external Sensory. See MEMORY and

REMINISCENCE REMEMBRANCERS of the Exchapter, are three Officers,

REMEMBERANCERS of the Enabours, are three Unicers, or Circles therein. See Executings: the Lard Treasfort's Re-Thick are the King's Remourance; the Lard Treasfort's Re-monstrance; and the Remourancer of the Figh-Fairty. The King's Remoulance execution to Utilize all Recogni-naces taken before the Battons, it can yo of the King's Debts, for Appearance, or for otherwing Orders; and makes out Pro-tead of the Company of th cell against the Collectors of Cultoms, Sobbidies, and Fifteentles, for their Accounts—All Informations upon pecal Stateste are entered in this Office, and there all Matters upon English Bills in the Exchequer-Chamber remain—He makes the Bills of Composition upon penal Laws, takes the Schment of Debts; has delivered into his Office all manner of Indentures, Fines, and other land of the Composition upon penal Laws, takes the Schment of Fines, and other lands of the Composition of the ridences whatfoever that concern the affairing of any Lands to the Crown: He every Year, in craftise animarum, reads, in open Court, the Statute for Election of Sheriffs, and gives them their Oath, and reads the Oath of all the Officers of the fame,

their Oak, and reash the Oaks of all the Odificers of the Imme, when they are admired. The Markov Temperature, it changed to part the Treativer and the relief of the Judgas of the Count. In rema-iesmer of facts therein as the to called on, and death in fact the presence of their theory as the to be called on, and death in fact the manner of the Country of the Country of the Country of the Judgas, Occ. Extent for any Debts due to the King, other in the Playe, or with the Andrean, smaler Proceed for all lack Percense as are due to the King, by retired of its Tenuers—He also markes "Forced, whether he zones whether Saithing, or other Accompaas are due to the King, by residen of fu Tenares.—He also makes Record, whereby it appears whether Sheriffs, so other Accomp-tures, pay their Profess due at Enfor and Minkedman.—He makes another Record, whether Sheriffs or other Accompanis keep their Days of Prefixion: All Editess of Films, Illians, and Amer-cianness, fet in any of the Courts of Wiffmalger, or at the Alfi-zza or Selfions, are certified into this Office, and are by him de-hyreact to the Clark of the Eltreats to write Process upon them,

The Remembrances of the First-Fraits, takes all Compositions and Bonds for First-Fraits and Tenths; and makes Process against fach as do not pay the same. See First-Fraurra.

and Boods for Firth-Frairs and Tenths; and makes process agunts finch as do not pay the films. See First-Frairs.

REMINISCENCE, is that Power of the Humane Mind, whereby it resolutes; tieff, or calls again to its Remembrance finch files and the second services as it had really forgot. In which is different to the second services as it had really forgot. In which is different to the second services as it had really forgot. from Memory, which is a treasuring up of things in the Mind, and keeping them there, without forgetting them. See MEMORY.

Hence Memory thay be confidered as a continual Resemb-brance; and Resembrance, as an interrupted Memory. See

MEMORY. Flow near te-kin foever the two Faculties may feem, yet they are generally found feparated; fo that they who excell in the one, are defective in the other. See RECOLLECTION, RETENTION, &c.

The antient Platourist were of Opinion, that sill Learning and Knowledge conflicted in the Reminsterest or Recollection of Notices which had been in the Soul before its Union with the Bo-AEMINISCERERE, the fecood Sanday in Lent; anticoty thus called from the first Word of the Instalt of the Maß faid for that Day, Resalusser Missers tearner, 11 T REMIS-

REMISSION, in Physicks, the Absternent of the Power Efficacy of any Quality; in opposition to the Increase of the same, which is called its Intention. See Intention.

In all Qualities capable of Intention and Resultan, the Intention

In all Quitties emphile of intension and Rengists, the Intension Concession in the Squares of the Delinace from the Castre of Active Concession and the Castre of Active Castre of Active Castre of the Castre of th

TANCE. To remit is also used among Bankers for what is accossomed to be given a Banker, or as it were, difcounted with him, for his giving a Bill of Exchange. See Exchange.

To remit is also to give up Part of his Due to a Debtor; as, I would remit you a fourth of what you owe oo Condition of pay-

Would remit you a routh or what you owe oo becomes as paying me the reli in Hind.

REMITTANCE, to Commerce, the Traffic or Return of Money from one Place to another, in Bills of Exchange, Orders, or the like. See Commerce, Exertance, &c.

The Remittance is properly a Bill of Exchange, or the like, fent to a Correspondent, said the Content thereof to be received by them, of Some other Pacies on whom it is drawn.

Such a Merchant has remitted, or made a Remittance of five, thousand Pounds in Bank Notes, to his Correspondent at Lew alon.—I will result you, or make you a Resultiaste of five hundred Crowns in three Bills of Exchange, drawn on N. Banker in your

City, and payable at Sight.

By means of these Resistances, large Sums of Money are return'd from one City to another, without Danger, without Car-

taind rous case.

In Loudon its easy getting Remittances upon any City in the World: In the Country its more difficult. Resultances are not easily had upon Copenhages. See Bill. of Exchange.

calify had upon Capenhagues. See Bill. of Exchange.
REMITLANCE, is also, field to fleenking of the Payment of, a
Bill of Exchange,—Thus, I have received as bundered Pfellors on
our Resistance—Aft. N. Binnier to your City, though share paid
you two heaviered Carowins on my Remistrason.
REMITLANCE, is all to the Duce of Fee allowed the Benker, both
for his Wagne, the Fare of Morcey, and the different Value of
the Speciality in the False where you pay the Monony, and where

he remite it.

The Remittance at London is very high.—This Remittance is more usually call'd Change and Rechange, which fee. REMITTER, in Law.—Where a Man has two Titles to Land, and is feized by the latter; and that proving Defective, he

is resulted or reflored to the former more antient Title: This is is resultand or retinered to the hormor more artifort File: This is called a Resistary, from the Lastin, sensiture, to footh back. If Land defected to him that had Right to it before, he shall be resistared to bis better Thie if he plenie. Dadles and Standers, REMONSTRANCE, an Expodulation or humble Supplication addrelled to a King, or other Superior, to believe him to refield on the flucturements, or ill Confequences of fome Order, Edilet, but and the standard of the Confequences of fome Order, Edilet, but and the standard or the stand

The Parliament is gone in a Body to make humble Resess-frances to the King, on the subject of such a Declaration. REMONSTRANCE, is also used for an exposulatory Council or Advice; or a gentle, handfome Reproof, made either in or particular, to apprize or to correct tome Fault.—A Mother makes Resembrance to ber Daughter, &c. REMONSTRANTS, REMONSRANTS, was a Title given the Arminians, by reason of the Resembrance they made in 16109

against the Synod of Days, wherein they were condemn'd. See

Epifopus and Gratius were at the Head of the Remonstrants.

Epoposa são corrata were as the sacco do co-composa de composa de little e la little Fifa, refembling a HERMORA, is Natural Hillery, a little Fifa, refembling a HERMORA, is Natural Hillery, a little Fifa, zero de Fibr, Ibb, 23, unanimento de la little para de Veldei rial list and bettee cell it. Remova, a remeranda— But the Moderus bold it a Filion, institueda as in all their Naturations, which we may be successed to the superior of the superior of the successors which are much more considerable than those of the vigations, which are much more confiderable than those of the

vigations, which are much more considerable than those or the Antients, they have never mer with any bing like it. REMORA, among Surgeons, is also an Instrument to set broken Bones withil. See PRACTURE.

REMOUNTS, in Wat.—To reasonst the Cavadys, is to furnished. nith Troopers or Deagoons with fresh Horses, in lieu of such as

milt Troopers or LARGOCCES with Freit Flories, in Bett of uses so have been killed or dishabed in the Service. The Term is chiefly useful to domete that the Chief is quite filled up, with a figure Plece of mother Colour, leaving only Border for the pre-per Colour of the Chief about the fairl Florie. RENAL, formething belonging to the Reins, or Kidneys.

See REIN and KIDNEY RENALES Glandele, in Anatomy, are Glands thus call'd, becuale fittate near the Reins or Kidneys; first discovered by Bar.
Enflaths, Native of San Severino, in Italy. See GLAND.
They are also call'd Capfale Asrabilares; in regard the Cavity

is always found full of a blackish Liquor; and by others, Rener Succenturiati, because resembling the Reins in form. See RE-MES Succenturiati

RENCOUNTER, the Encounter of two little Bodies or Parties of Forces: Io which Senfe it is used in opposition to Bassel. Twas no Battel; 'twas only a Resements In fingle Combats, Reseaser is used in opposition to Duel.

When two Persons fall out, and fight on the Spot, without ha-

ving premeditated the Combat, 'tis call'd a Renovater... Tis no

vong princulation to Comout, in casto a Reseasate.—The no Durit, 'dia Reseasate.' See Durit... In the Word is formed from the French, Reneaters, meeting, RENECOUNTER, or BRINCONTER, in Hendelry, is applied to Animals when they thew the Head in Front. with both Eyes, of, or the Face finant right forward; as if they came to meet e Person before them

e Person before them.

Indeed in the Deer, this is called Massacre, and in the Leopard

Lin boson Solde in Rescenter, a Golis the natural Situation.-He bears Sable, in Rencounter, a

RENDER, in Law, a Term used in levying a Fine. A Fine is either single, whereby nothing is granted; or with Research, whereby something is reader'd back again, by the Cognisce to the Cognifir; or double, which containeth a Grant, or rea-der back again of fome Rent, Common, or other thing out of

the Land it felf, to the Cognifor. See FINE We also say, there are certain things in a Manor which lie in Prender, i.e. may be taken by the Lord or his Officers when they please, without the Tenants leave: And others which lie m Ren

der, that is, must be reader'd or answer'd by the Tenant ; as Rents, Reliefs, Heriots, and other Services. Some Service conlifts in Serfance; fome in Render. Perkus, RENDERING, in Building. See Pargetting. RENDEZ-080, 2 Place appointed to meet to at a certain

Day and Hour. The Word is Freub; and is found to handy, that most Na-nus use it in its Purity, for want of a Word of equal import in

their respective Languages A general Rendezvous of the Army.—The Regiments have eir parcicular Rendezvous, call'd Quarters of Affembly. See

QUARTER. The Virtue of a Woman is already shaken when the gives a

The vertice of a Woman is arreacy those when the gives we Rendezews. S. Everenous, RENEGATE, RENEGADO, a Person who has spointized or retrounced the Christian Fabb, to combrace form other Religion; particularly Mahometanism. See Avortave.

"The Rengassa's who prove the most barbarous to the Christians when they fall lize their Hands."

"The Parasite is the salled."

The Renegate is thus called, quofi re-negat-Christum.—However, entions it in the Year 1192, under the Name of Rener, from

the French, re-mire, to deny again.

RENES Succenturiati, in Ana omy, are Glands thus called as refembling the Figure of the Reins; and bence accounted a kind of frameley Relus; Successivitates Egnifying formething in the Place of another. See Successivitates Egnifying formething in the Place They are also called Copfula Renales, and Glandula Renales.

C RENALES. RENEWING of Leafes and Lives. See REVERSION, AN-

RENEWING of Lesies and Lives. See REVERION, AM-NUTTY, POLITICEAL Arithmetics, See. RENTENCY, RENTENTIA, among Philosophers, that Force in Salid Bookies, whereby they refift the Impulse of other Books; or reach as much as they are acted on. See REACTION. See also Resistance.

RENT, in Law, a Sum of Money, or other Confideration uing yearly out of Lands and Texaments, alienated on the

Thing yearly do or Land 200 Telements, Rocanico on the Condition. See Revenue.

It is thus called from the corrupt Latin, Rendita, for reddita of redditas; because, as Fleta tells us, retroit & quotamus

The Rests of all the Lands of England and Wales appear by the Computations of Dr. Davewant, and Mr. King, from the late Land-Tax, to be nearly to Millions per Squame, thole of the Houses not let with the Lands, to be two Millions more; and those of all other Hereditaments, to be two Millions more;

FEALTY, RESERVE, De. Rent-Charge, is where a Man makes over his Effste to another by Deed fadented, either to Fee, or Fee-rail, or for Term of Life; yet referves to himfelf, by the fame Indenture, a Sum of

Money yearly to be paid to him, with Cause of Distress for Nonpayment

Rent-feel, or Dry-Rent, is that which a Man making over his Effate by Deed indeated, referveth yearly to be paid to him, without Caule of Diffreit mentioned in the Indeature. See METEGAVEL

RENTS of Affice, are the certain Rents of Freeholders, and antient Copyholders; thus celled because affized and certain: Iu opposition to redditus mobiles.

Rayra Rejalate, are reckoned among the Farm Resus to be fold by the Stat. 22 Car. II. and are fach Resus or Tenths as were annually payable to the Crown from the Lands of Abbies and other Religious Floafes; Which Lands, upon the Difficution of Abbess, being demised to others, the faid Rews were full referred and made payable to the Crown.

RENTER-Warden, an Officer in most of the Companies of

RENT LINE STATEMENT, SO UTICET IN MORE OF the Componies of Leading, whole Bittines is to receive the Kear's or Profit belonging to the Company. See Transform.

RENTERING, in the Muntafactories, the fewing of two Pieces of Cooth, edge to edge, without doubling them; fo as the the Seam fearer appears at all; hence also called Pieces-through

Fig. 2. Source, die. are fewed; Cloths rester'd.—To rester in Tagairy, it to wouk new Warp into a piece of Tapility damaged, camb by the Rats, die. and on his Warp to the antient Patters, or Delign.—The Warp is to be of Woollen, not Liena.—Among the Titles of the Delign.—The Warp is 10 pity—model. Its included that

All Betters'.

The Author of once of the Lett. Edit' of Care, Evolking of the gatte Detectivity of the Restores in the End Lets, talkings at that a year test as become fine Medius, and green one of them to good as the Care of the Care

m pals the whole, as of a Piece; and by that means avoid the Duries, Pensities, d's.

The Trick was first discovered in France, by M. Savary, Au-

ther of Dellan. de Connerve.

The Word is form'd from the French, rentraire, which figuifies the fame thing; and which Menage after Solmafon, derives from the Lette, texture; as if it were making a Triffic or Web, in-Seed of a Staw.

RENTERING is particularly used for a Rent, or Hole, has ing in the drafting or preparing of a Piece of Cloath, anfully few'd up or mended with Silk.

: All Resterings are reguled Defects or Blendflee; and ought to the allow'd for in the Price of the Prece.—Hence, M. Savarr he allow'd for in the Price of the Piece.—Hence, M. Savary ethilishes it as a Rule, which is certainly founded on natural Equity, that every Manufacterer mark the Resterings of his Clouiss with a Pacce of Packthread tied to the Lift; to direct the Draper to the Spot: And that the Draper apprize the Taylor the Draper to the Spot: And that the Draper appraise me Laytor or other Perfon, to whom he fellish; of the fairing, that he mayn't came to Damage in the cutting; there being Inflances of Draper condemned to take back their Clouds, when cut to Floese, for omitting to mention the Restrings, and other Flaws. On this occasion M. Surary extolls the Procedure of an Euglis Merchant, who fending a Peoce of Clouds damaged in one

Spot, to his Correspondent at Paris, put a Piece of Gold in the damaged Place, to make up the Damage.—But as this Example is perhaps the only one of its Kind, that Author recommends it to the Merchant or Draper to unfold all the Pieces entirely, as

to the intercentary of Dispert to interpret to the the the they come to him; to discover note a surface and other Faws, in order to make the Choisier accountable for them. RENUENTEES, in Anatomy, a pair of Mardles of the Head, thus called as heing Artagoniths to the Assurements; and ferving to throw the Head, backwards, with an Air of Refulsi. So

From their Situation they are also called Rollar Capitis Minor

See RECTUS Capitit.

RENUNCIATION, the Act of renouncing, abdicating, or relinquishing any Right, real or pretended. See Aunteation, etc. Remarkations are cometimes express; as by Contracts, ov.

Accountant are conceinnes expery; as by Coceracles, ev. formerines fairs, as by contrary Acts.

To recounte a Succedion, a Cammanity, ev. is to pufs a fisient Ack hefore a Notary, or other publick Officer, whereby a Perion doctares he will not intermedide in a Succeifion, or Profit in a Company; but furtendees his Part, and quits all Pre-traffers

tonicae. Production resourced the Europie to live as a Paladopher—The Designation resourced the Europe to live as a Paladopher—The Designation of the Coron of Prener, to which to manuse the Succeillon of the Coron of Prener, to which was life Performance and the Young of the Son—Remeastered or some for some for your of this Son—Remeastered or some for your Coron, in Young of this Son—Remeastered or Sent Young of the Y

ards.-The fame Term we use when a Beast is laid on its

REORDINATION, the Act of conferring Orders a fecond See Ordination.

time. See Ordination imprelles what the Divines call The Ceremony of Ordination imprelles what the Divines call an indiffice Christier; and cannot, therefore, be repeated? Yet is Revaluation preliced in England, with regard to the Differning Ministrus, who conform to the Charch; The Bishops percenting the they alone have Right to confer Holy Orders, and that eve-ry Pictic or Minister who does not receive them at their Hands, has no levidal; regular Vocation.

This proves a great Ortholes to the Resulton of shoft Migh-fore to the Canese of Fastions of most of the Service of the product to conform, have forupoid to be K-redolds, indimends a few places of the Service of the Service of the Service of the has deministed the Service of the Service of the Service of the has deministed the Service of the Service of the Service of the has deministed the Service of the Service of the Service of the last desired for Council, the Critics of Simony having been very flagmat; pumy Keopie full into the Error to believe that the Service of Service

Smionizzal Bilhops coult not Orda'n validly; and that those who had received Orders at their Hands Bould be re-endanted.

The People of this Scioument made a Parry of themfelves, and were dullingsified by the Thile or Re-statement.

REFSILVER, was Money anticely paid by Serville Tenants to their Lords; to be easied of the Service of resping his Cern.

See SERVICE REPAIRING, in Building, &c. See REPARATION.
The Repairing of large Walls, Doors, Collings, Coverings, &c.
loogs to the Proprietor or Landland.

usuougu on me riopinetor or Landiond.

The Lecuryo or Tecana is only charged with finall Repairs, as Glaffa-Windows, Locks, év., call'd Lecurive Repairs.

To repair a Status, or other Piece of Sculpture, is to toucht up a status, ev., call in a Moudly with a Oldfiel, Graver, or other Instrument; to finish the Plices which have not come used of the status of the st

To repair a cast Figure or Statue, they clear off the Barb, and ast is redundant in the Joints and Projectures. See STATUE.

what is redundant at the Juntus and Projectures. See STATUS-See also FOUNDAILY is to retooch it; fo se rufty and defaced as it was, to render it cleans, nears, and period:—In order to this, they take off the Ruft with a Graver, rouch up the Letters, po-liab the Ground, and trill and reflece the Figures which bestow that the control of the Ruft with a Graver, rouch up the Letters, po-liab the Ground, and trill and reflece the Figures which bestow were fearer for:

When the Figures are gnaw'd or broke, they fit a Piece of Music, or Cement on the Spot; and on this cut with a Graver for destrought what the Figures appear entire and well kept.—Yet nothing flouid Media for much as repairing them. See Minnat.—REPAIRS, in Hunting, are the Hannts or Piaces that the Hate man or See Flourings.

REPAIRERS, Artificers who chafe Figures, and beautify word-Hilas, etc. See Chastron. Sword-Hills, &c. See Chastred.

KEPARATION, the Act of repairing, re-eltablishing, retrieving, or meading a Building, or other Work, damaged or gone

theving, or measuring abushing, or other Work, samingrost gume to decay. See REPAIRING.

The Enemy repair the Breach as foon as 'twes made.—The Richbilthment of Turn-pickes is for repairing of the Roads.

An incleinstitud Parton is by anneur Cultoms obliged to repair the Chort or Chanel of a Cherch, and the Parithonness the

par me Cheer or Chanter of a Charch, and the Parlithoner the Narve. See REPATURATION.

REPARATIONE fastends, is a Writ which his in divers Celes; e. gr. where three are Tenants in Common, or join: Tenants pre indrugs, of an Heade, etc. fallen to decay, and the one being willing to repair it, the other two will not; in this Cufe the Party willing find have this Writ against the other.

REPARTITION, a dividing or flaring a thing a fecond time. See PARTITION.
There are so many Descencies found this Year in the Taxes of this Panift, that there must be a Repartition on the Inhabi-

tants; or a new Impolition.

REPARTY, a ready, finart Reply; especially in Matters of

Wit, Humour, or Raillery.-'Tis cangerous attacking this Lady, Reporties are to keen. Wisparfort observes a World of difference between a free sightly Reporty; and an offensive Sarcasm. See Sarcasm. The Word, in the Original French, Reporte, has the fame Sig-

REPAST, REPASTUM, a Mesl, or Refection, taken at a fiz-

a nation. Call nating orients, and Milk and Botter.—But the Quantity makes arounds for the Quality: Three Measures of Flower, and a whole Calf, for three Person.

"Myles to these his respect to this Brother Benjamin, order'd him a Portion of Meat five limes as hig as that of his other Bro-

In Antiquity the Repafts were frequently Sacrifices; for which Reason we find them often prepared by Kings themfelves. See

REPEALING, in Law, the revoking or annulling of a Stane by Anthority of Parlitment See Parliament.
No Act of Parliament shall be repealed in the same Session it

Brook uses the Word Repellance in the famo Sense.

REPEAT, in Mufick, a Character showing that what wa play'd or fung, must be repeated, or gone over again. See RE-PETITION.

The Repeat ferves instead of writing the fame thing twice o-ver.—There are two Kinds of Repeats; the great and the

The first is only a should Bar, dotted on each Side; or two parallel Lines drawn perpendicular a-cross the Suff; with Dotts on either Hand; See is Form under Characterias of Affolio.

This Mark there that the preceding Strain is to be repeated; that is, if it is near the Beginning of the Free, all althorn fung, or play's, is to be repeated; or if rowards the End of a Piece.

In Gavots, we usually find the Repeat, at about the third Part of the Piece.—In Minners, Borees, Courants, &c. towards the

Some make this a Rule, that if there he Dotts on each Side the Bar, they direct to a Reparition both of the preceding and the following Strain; if there he only Dotts on one Side then, only

the Strain on that Side to be repeated.

The final Repeat is where only fome of the last Measures of a Strain are to be repeated.—This is denoted by a Character fet over the Place where the Repetition begins. (for Characters in Ma(R)) and continues to the End of the Strain.

When the Song eads with a Repetition of the first Strain, or Part of it, inftead of a Repeat, they use the Words da Capo, i. c. nt, antenno men the beginning. REPELLENT, REPELLENS, in Medicine, a Remedy which the Mass of Blood,

result or drives back a morbid Humour into the Mass of Blood, from which it was unduly feereted. See Humon and Manicore.

Or, Repellents are Medicines which prevent fuch an afflux of the Fluids to any particular Part, as will raise it into a Tumour; or drive them back when they are collected. See Tumon. To form an Idea of the Manner of their Operacion

ery'd, that all Tumors arise either from an increase in the Velocity or Quantity of the Fluids, or a Weakness in some particular Part; though sometimes both concur.—Now an increase in the Velocity of the Fluids makes them more forcibly pulls a-gainst, and differed all the Parts in their Circuit; if therefore any Part be unequally perfect or relaxed by external Injuries. That game, and outenn at the Parts in their Circuit; if therefore any Part be unequally preffed or relaxed by external injuries, that will be more elevated than any other; and for want of equal Re-fifthence with the reft of the Body, will at length receive fuch a Quantity of Plank, as will risife it into a Tumor, elecially if any of its Veffels be obstructed: Become the Protrution of fresh Mat-

on us veiltäs be oblituded: Beennie the Protrution of firth Mai-ter, a trage, will continue to add thereune, till the Part is on the utmost firetch, and can bold no more. See Bl.000. In this Cafe, all those Manu zer fail to be repollent, which check the growth of the Tumor, and affist the refluent Blood in taking up the oblituded Matter, and washing it again into the common Stream.

This Intention is chiefly favoured by Evacuation and Revu fion; for whatfoever letters the Quantity of the Fluid, will di-minish the force upon the tumefied Part.—But it concerns us most to know how external Application to the Part itself, helps this Affair. Herein a Medicine comes to be resellent, by confifting of fuch

fubtile Parts, as may transmit fome of them through the Pores, and help to render the obstructed Matter more fluid, so that it comes the more easy to be loosened, and fall again into the cir-culating Current.—But in this Case there is a Hazard of such enlating Current.—But in tous Case there is a transfer things likewife putting the obstructed Humour into a Fernsent, whereby it footer turns into Pus, and then they come under the Company of Suppurguestives or Ripeners. See Suppurguestives of Suppurguestives or Ripeners.

What, therefore, in the most first Sense, is to be reputed a Repeller, is that which aftringes and firengthens the Part, so as to make it relist any such Lodgment. See ASTRINGENT and

STRENGTHENER.

Syramothemen. These rich whose Qualities are most manifest in their Coldents, and drying Properties: But there are so few findances wherein Banstage is not better than fach Application, that very latte comes to be used for their purpose. In Hemorrhages, and Ouzings out of Seroms, so as to dettern the Situs, Samples of this Names mostly take place; which ansfers their East in altimating the Fibras, whereby thick Aprenues are so Colofo, as not

to admit through them afterwards any fisch fluid.

Some things also answer this End only by fitmulating the Fibres of the tumefied Part, so as to give them folden and foreible Twinches, whereby the obstruction is formetimes loogened and ble I watcoes, whereby the obstruction is foractions loofened and finded sawy, at it were, into the relation Cupretts—Such of of Mexica will be conclusioned by the fashen Appleann of any of Mexica will be conclusioned by the fashen properties of any down first, because if the first Effects which the Febres are part upon by those means, do not foreced in breaking away the coled Matter, they will be Humano, and not asks afforwards to report their manual Valurations: The Consequence of which is a weakening the Farty, within will would not a Trume more obsti-

nate.

REPELLING Feuer, Vis REPELLENS, in Physicks, is a certain Power or Faculty refishing in the minute Particles of natural Bodies, whereby they manually fly from each other. See Pewers and PARTICLE.

This Power is the reverse of the Attractive Power. See Ar-

Sir I face Neeston baying eftablished the attractive Power of Matter from Observation and Experiment; argues, that as in Al-gebra, where positive Quantities cease, there Negative ones comence; so in Physicks, where the attractive Force ceases, there

repelling Force must begi But that there is such a Force does likewife appear from Obfervation. See REPULSIO

As the repelling Power feems to arise from the same Principle As the regulary Power teems to arms from one same a runcing as the attractive, only exercised in different Circumstances; it is governed by the same Laws: Now the attractive we find is introopen in finall Bodies than in great ones, in Proportion to the Masies—Therefore the regulary is 60 too. But the Rays of Light are of all others the most minute Bodies we known of the critical of the same proposed of the proposed of the control of the proposed of the critical of the proposed of the propo

Sir Isaac Newton computes that the attractive Force of the Sit I Jase Newson computes that the attractive Force or the Rays of Light is above 100000000000000 times as frong as the Force of Gravity on the Surface of the Earth: Hence ar-fee that inconceivable Velocity wherewish Light must move, to reach from the Sun to our Earth in seven Minutes. For the Rays emitted from the Body of the Sun by the vibrating Mod-on of its Parts, are no fooner got without the Sphere of Attracti-on of the Sun, than they come within the Action of the re-selling Power. See Linder.

The Elasticity, or fpringiness of Bodies, or that Property where-by after baving their Figure after'd by any external Force, they return to their former Figure, follows from the reguling Power. ELASTICITY, AIR, OF

REPERCUSSION, in Mechanicks. See Reflection.
Repercussion, in Munick, a frequent Repetition of the fame

See REPETITION This frequently happens in the Modulation; where the effen-tial Chords of each Mode, or of the hapmonical Triad, are to beat oftener than the reft; and of these three Chords the two Extremes, i. e. the final and the predominant one, (which are properly the Repercossion of each Mode) oftener than the middle

REPERTORY, REPERTORIUM, a Place wherein things are ederly difforfed, to as to be easily found when wanted. The ludices of Books are Repersoies, shewing where the Mat-

ers fought for are handled. See INDEX. Common Places are a kind of Repertories, very uteful to the

arned. See Common Place. Reperterium Americanicam, is a large Hall near an Amphitheatre of Defections, where Skeletons both human and brutal, are or-

of Diffications, where Skeletons both human and brutal, are or-detly preferred.—Such is the Repertury of the French King's Gar-REPETITION, REPITTIO, the re-iterating of an Action.

See REFFERATION.

Habitudes are acquired by the frequent Repetition of Actions. See Habit.

Mulicities and Comedians make feveral Repetitions of their Con-

forts and Comedies, e'er they perform for good. See Rehearsal.

The School Philosophers call the Repetition of the fame oumerical Effect in another Place, the Replication of that Effect. CE REPLICATION

See REPLICATION.

REPETITION, in Mulick, a re-herating or playing over again of the sime Part of a Composition; whether it be a whole Strain, a Part of a Strain, or a couble Strain.

The Repetition is denected by a Character, called a Repeat, which is the strain of an ot expect the various Circumstances of the Repetition. See REPLAT.

When the Song ends with a Repetition of the last Strain, or a

sart of it; the Repetition is denoted by do Copo; that is, from the REPETITION, Roly, is also used in Musick, when after a litthe Silence, one Part repeats or runs over the fame Notes, the fame Intervals, the fame Motions, in a word, the fame Song, which a first Part had already gone over during the Silence of

this.

Ref is all a doubleg or uselling, for of an interval; or a Sternite of Gene Concept.

The all first intervals of Sternite of Gene Concept.

The a firstenth is a Appelius of the Odars, i. a double Odars or Scool Odars. Or Conval.

Ref is trivial, is Remodel, a Figure whereby the Oracore.

Ref is trivial, in the Conval.

Ref is the Conval.

forfiken me. Such Repetition have the fame effect to Diffcourse, with second stronks of the Pencil in Painting; they render the Colours more ftrong and livel

fitting and lively.

Sometimes the Orator bugins again and again with the fame
Word; of which we have an Inflance in the buginning of Cisere's fift Oration against Casabus. 'Nilsh set & Nodewawn profilemapalatis, intild arisis register, mild stone people, mild Conferior becomes
constaint, adult his Mantififfum shown Senatus lesses, mind branes ora
qualrafy; movement! Where the Word shill for Orat re-dereastly gives an admirable Force and Vehemence to the Difcourse-Again,

Again, the farme Author: Quem finates desmarts, quem Popular R. demonits, quem sensore existencia desmarts, care cos frictarils edited for the first application. Again, Non from, non parter, non form. The feecod Kind of Repetition, call'd room, Place, is a Repetition of the time Word, in the fame Parale; but in fact manner as that income the dear of Caracter's added to the Word, in the

as that form new bled or Character is added to the Word, in the focund, which it had not in the first; At Corysdaw is allways Corysdaw. Ear life Corysdaw, Corysdaw off transport making by which we figuity pack Carysdaw is no cortisary Perfort; and that nothing can dithin-gath hum but the Reportation of his own Name: As if we should any, He is Corysdaw; that is enough—By the farme Figure our Str-rigant speaks, when he first. Let your Language he Tea, yes, and

RE-PLANTING, in Gardening, the Action of planting a second time See Planting.

The Gardeners use to displant their Tulips every Year, and

The Cardeners are to originit their I may every I car, and replast them—Lettices must be displanted and replanted yearly, to make them head and knit.—If Strawberries, etc. be not de-junced, and replanted once in a few Years, they degeoerate. The Gardeners have a Proverb, that if the Devil were to re-

The Carlothes have a rivortey, must not Devil were to re-REP LEADER, in Law, it is the lead over again what was once pleaded before. See PLEA and PLEADERS, Explicit Leaders and PLEADERS, in Law, it is the REPLEGIBLE PLEATERS and PLEADERS. REPLEATERS are upon Security and the law of the leaders of the leaders of the leaders again the Diltrainer. See REPLEATER REPLECTION, in Medicine, a Pleninal, or Plethers. See PLENITURE and PLETHORA.

Resistant is more dangerous than Inanition.—Bleeding and Diet are the great Refourfes when a Person is incommoded with a re-

get the great National was a plant of the pl and SURFERY.

REFLECTION, in the Canon Law, is where the Revenue of a Boarine or Benefices is fulficient to fill or occupy the whole Right or Title of the Graduate who holds them. See Benefice,

GRADUATE, etc.

When there is a Replotion, the Party can demand no more by
Vince of his Degrees.—In England, where Benefices are nor affedied to Degrees, Replotion, Briefly freaking, has no Place. See

In France, 600 Livres, or 48 l. Sterl, per Annum, make a Re whiten, when the Benefice is obtain'd otherwise than by his De-pee; and 30 l. per Annews, when it is obtain'd by virtue of a

REPLEVY, REPLEVIE, or REPLEVIN, in Law, from the KRPLUVY, KRPLAVIE, Or KRPLAVIE, I Law, Hoon the Law replains, or a chilere to the Owner upon Pleioge of Sustry; the thinging of a Win celled Kryleger Jakob, by him whose, pring Security or the Skeaff, that on delivery of the thing di-limated, he will professe the Adhon against the Petion who must be will professe the Adhon against the Petion who must be likely in Sec Districts. In the Best 24 of Horry III. We need of Convergelysish, Hounda yellow, in a Cale Deveron the Abbot of Convergelysish, Hounda pripaging, in a Cale Deveron the Abbot of Sec Arbons, and Graf-

Goods may be replexed two ways; vir. by Writ, which is that used by the common Law.—And by Plaint; which is that by Samue Law, for the more speedy having again the Cattel and

REPLEVISH, in Law, is to let one to Mainprife, upon Sure-See MAINPRISE. REPLICATION, REPLICATIO, in Logic, the affirming or

using the same Term twice in the same Proposition In the like Sense they say Redspleation.

to use like extract truly my Acasiyosturos. Some Philosophers are the Phrasis Replication Mandé, Replication of the World for its Convertion, or turning round.

The human Soul is also faid to be in a Place replicationly, replication, when conceived to be all in the whole, and all in e-

very Part thereof. See Sout.

REPLICATION, In Law, is an Exception of the second Degree,
made by the Plaintiff to the first Answer of the Defendant. See

made by the Plaintil to one time seames the September 25 of the Plaintil replies to the Defendant's Artiver in Chancery, and which is other 25 one of private and the Defendant's Artiver in Chancery, and which is other 25 one of privat. It be pointed is grounded upon Matter artifung, out of the Defendant's Anliver, ev. The general is to called from the Chancer of the Defendant's Anliver, ev. The general is to called from REPORT, the Relation mode upon Outh. by Officer or Politics appointed to ville, examine, flute, or ellimate, any

tung.

Diamages, Repairs, &c. are judged from the Reports of experienced Ferfour,—Provision for Perfora wounded are only grateof on the Repair of Cheingeness, &c. In Cales of Report a
Repair of Marions is had. See Just.

Joseph Commission of the Cheingeness of Report a
Repair of Marions is had. See Just.

Joseph Commission of the Image districted in the Commission of the Image districted by the Indian Region of the Image districted by the Indian Region of the Image districted by

When the Chancery, or any other Court, refers the flating of fome Case, or comparing an Account, &c. to a Mafter in Chancery, or other Referes his Certificate therein is call'd a Re-

REPOSITORY, REPOSITORUM, 8 Store-house or Place where things are hid up and kept—In this Senie we fay the Re-pository of the Royal Society, dec. See Museum. REPOSI, in Poetry, dec. See REFT. REPOSI, in Poetry, dec. See REFT.

REPORT, In Planting, is used for certain Masses or large Systems, or Assemblages of Light and Shades; which being well conducted, prevent the Confusion of Objects and Figures; is by engaging and staking up the Eye to as it curt attend to the other Parts of the Painting, for fome time: And thus leading it to consider the feveral Groups gradually, and as it were to proceed from Stage to Stage—See LIGHT, SHADOW, CLASH—EVER. Rev. Rev.

fore, Sec.

REPOSITION of the Feroff, an Act whereby certain

Grounds made parker, upon a second view are laid to the Forest

again. Sec FOREST, and PURLIEU.

The Word is found from the Lasts re and posers, to lay a-

REPRESENTATION, in the Drams, the Exhibition or Action of a thearrical Piece; including the Scenes, Machines, the Recitation, &c. See Scene, Machine, Rectation,

Sir Richard Steel's Principle is, that the Deligo of a Play is not to be read but repreferred; so that 'tis on the Stage, not in the Press it is to be judged of: And the Pis, not the Publick, are the

Prefi it is to be judged or: Annual Research as the Judges. See THERATHE.

REPRESENTATIVE, one this performance, or supplies the Place of another; and is invested with his Right and Authority. The Word Representative inequivalent to a Prostructor or Prosty.

See PROCURATOR and PROXY.

Thus we say the King is the Representative of God on Earth:
Magiltants, Representatives of the King. See King, MAGISTRATE, Set.

The Commons are the People's Representatives in Parliament. See Commons, Parliament, ev.

There is this defect in the Conflitution of our Parliament; that whereas all Englishmen who have confiderable Effacts, ought

not to be rax'd without their own Confect, in Parliament I themselves, or their Representations: Copy-holders, whereof son

themfeltes, or their Repriparatives: Copy-holders, whereof found howes a found in Pounds at Yas, I have no Votice in the Election have a flowing Pounds at Yas, I have no Votice in the Election REFRIEVE, in Law, a fluigending or deferring the Progress and Execution of the Law upon a Petitione, for the predent time. A Reprive is properly is Warnant from the King, for fullegath and Execution of the Law upon a Petition when the Reprince of Parlaments, but he frequently repriever him for 95 Years.

REPRIMARALY, a shipp antherative Reproof. Such a Pre-REPRIMARY, a shipp antherative Reproof. Such a Pre-

REP-SILVER, Money antienthy paid by fervile Tensats to
their Lord, to be quitted of the Duty of reaping his Corn-

RERE-WARD, arriergards, the Rear of an Army-

REPRIZALS, REPRISALIA, in the Civil Law, a Right which Princes have to retake from their Enemies, such things as they unjustly detain from them; or things equivalent thereto.

When a Place is taken or held from a Prince, he feizes ano-ther by way of Reprifel.—Sometimes he takes Men of the op-posite Party, by Right of Reprifals.—The Romans call'd it Clari-See CLARIGATI

REPRISALS is also used for a Letter or Permission which a Prince fornetimes gives a Subject, upon a full Cognizance of the Cases; a suthorizing birn to retake from the first Persons be meets withal of the opposite Party, as many Essets as make an Equivalent to what have been violently forced from him; and for which the opposite Prince has refused to do him Justice.

oppointe Prince has refueld to do him Justice.

The Permistiness are also called Letters of Mark, and in the Stat. 27 Edw. III. Less of Marquiers; in report, a Perfon denied Justice in another Main's Territory; refered to Heiself by Goods belonging to Men in that Territory. This Merchant has feirld the Effichs of the Spandard Den.—— because the Spandard Land feirld his; and no reducid could be had at the Court.

Madrid. The Word is form'd from the Italian, Reprefaglia, which figifies the fame thing REPRISE, or REPRIZE, in the Commerce by Sea, a Mer-

chart Ship which having been taken by a Corlair, Privateer, or other Enemy, is recook or recover'd by a Veilel of the contra-

19 Kenty. Weld thus revoken he been as Hours in the Hands
of the Energy, its deem'd a limit Plane. See Practs
of the Energy, its deem'd a limit Plane. See Practs
of the Energy that the see that the se

The Word is French, and fignifies a re-funging or re-tailing. REPRINSE, in Law, are Dadnithino, Drun-broke, or Dairy and REPRINSE, and the services and service and services and services and services as Billing.

Than we size, the Mancre of Dail yields 40 Law Assume, always represent the Services as Beiling. REFROBATION, in Theology, a Decree or Residew which Golds to Inter-from all Electricity, to putth Sinters, who find

e in Impenitone. See Degree.

Reproduction flancis in Polemical Divinity in direct, opposition Confedence. See Conserner, Rumors, & de.

The Caluitts diffinguish possion and negative Reprobation.

Possion Reprobation is that whereby God is supposed to create
Men with a positive and absolute Decree to damn them eter-

This Opinion of Reproduction, is countenanced by St. Augustion, and others of the Fathers, and throughy maiotained by Carleins and most of his Followers.—Something like it is also found in the 39 Articles of the Church of England, but 'its now generally exploded as injurious to God. See CALVINIST, &c.

Negative, or Conditional Reproduction, is that whereby God, though he create all Men with a fincere defire to fave them, and

trough he create all Men with a fincer defire to fave them, and furnishes them wish the necessary Mean thereto, los as simply be faved if they wail; yee, fees, there are several who will not do it, with the Aisk he shall afford them, how powerful sever: And fees, at the fame times, they would do it with certain other Aisk, which he sees, but will not give them.—O Altitude! &cc. See CR acc. GRACE REPRODUCTION, the Action whereby a thing is produ-

eed s-ew, or grows a fector dime. See Production.

When the Stock of an Oak, Fruit-Tree, &c. is cut off thers, servasure as entirely of young Shoots. See Stock.

By Royaskettow is utifully underliced the Relianation of a

thing before entiting, and fines chemyed. See RETAVADATION,—
The Special of the Part of the Chemical Code, and the

nun антаманию), what is that broke out always comes again— But vis not to if the Fracture be made in the first, focond, or third Articulation. In those Cafes the Reprodulline is very rare, if things continue as they are—But what is exceedingly furpi-zing, is, that they don't: For upon victing the Lobiter main'd in these buren and unbappy Articulations, at the end of two or three Days, all the other Articulations are found broke off, to

three Days, all the other Articulations are found broke oft, to the founti; and 'its infepted they have performed the Operation on themselves, to make the Reproduction of a Leg certain. The Part reproduced in ear only specifely like that retrenched, but also in a certain space of time equal to it.—Hence is it, that we frequently see Lohders, which have their two by Legs une-gual; and that in all Proportions.—This shews the Youth of the

lefs.

A Part thus reproduced being broke, there is a fecond Reproduction—The Summers, which is the only Session of the Year when the Lobblews cut, is the most invosuible time to the Reproduction. This then performed in four or five Weeks; whereas it takes up eight or nine Months in any other Session.

The final Legs are reproduced, but more rarely, as well as more flowly than the great ones: The Hornack the fame. See Charalt-left with the Reproduction Section 11.

REPTILES, in cutural Hiltory, a kind of Animals, denominated from their oreging or advancing on the Belly; or a Gerna of Animals and Infects which inflied of Feet, reft on one Part of the Body, while they advance forward with the reft. See Anti-

the Bocy, while they advance forward with the reft. See Ast-MAL, Issner, 5-Worms, Snakes, Catterplias, 6-c. Sach are Earth-Worms, Snakes, Catterplias, 6-c. Indeed, most of the Cals of Repside have Feet, only these very final, and the Legs thost in Proportion to the Bulk of the Body. See Feet; and Linco.

Body. See Figury and Linos.

The Naturalities oblivers at World of artful Contributes for the Moriton of Registies—Thus, particularly, in the Earth-sorem, Dr. 1998 trell in, the whole Body is only a Coain of acroular Musicles; or, as Mr. Darkens tigra, tis only one continued figurial Musicles, the oblivious Filters whereof by being controlled, render each Ring, purrower and longer plans before: By which

means it is coubled, like the Worm of an Augre, to bere its Pating into the Earth.—Its reputs Motion may also be explained by a Wise wound on a Cytinder, which when filled off, and one end extended and held fail, will bring the other nearer it. So cod extended and teid tigt, will bring the other nearer it. So the Earth-worm buring ther out or extended its Body. (which is with a wreathing) it takes hold by those finall Feer it hath, and it contracts the hincher Part of its Body.—Dr. If you adding that when the fore-part of the Body is freerfold out, and applied to a Plane at a Diltance, the Hind-part relaxing and thortening.

Its Feet are disposed in a quadruple Row, the whole length of the Worm; with which, as with so many Hocks, it faftens down fometimes this, and sometimes that Part of the Body to the Plane.

forestimes this, and fomerimes that Part of the Boay to the amount and at the fame firecthes only on drags after it another. The creeping of Serpaces is effected after a fomewhat different Manner; there being a difference is their Structure; at that their Manner; there being a difference is their Structure; at that their parameters of Rivage articulated together. The Body and more a wondpings of thorea strictured together. The Body here in nor divent superfixes, but as in were complicated, Part of it being applied on the ready Greaned, and the rest operation of the property 
Fruits which creep on the Earth, or on other Plants, as wanting Streamth of Stalk to fuffain themselves. ength of Stalk to fuftain them Such are Cacumbers, Melons, &c. fisch also are Ivy, the

Sites are Cocumpets, stretons, 64: Inst min are 279, the Vine, 67c.

The Word is form'd from the Latin, 1790, I creep.
REPUBLIC, Rx. PUBLICA, Commonwealth, a popular Scare or Government; or a Nation governed by a Democracy. Sed

The celebrated Republics of Antiquity, are those of Athens,

oparta, Resse, and Carroage.

At prefent there is feace any fuch thing as a real Republic, i. e. as a thirthy popular State.—Indeed the Venetians and Geologic call their States Republic, but their Government is apparently all-gardon. See Olioaren.

The Dateb come the nested to the Character of a Republic; yet are they very defective, at leaft in the Sense and Severity wherewith Rame, Carthage, &cc. were Republic. See STATES-General, PENSIONARY, &c.
"Tis a Remark of M. St. Everessed, that if the Dutch love the

Republican Form, 'tis more for the take of their Trade, then of heir being free.

their being free.

REPUBLIC of Letters, or of Learning, is a Phrase used in freeding collectively of the whole Body of the People of Study.

There is a Journal begun in Hashard by M. Bayls, and continued by M. Bernard, confishing of Extracts of Books printed in the Court of the Year, called, Naveled at la Republicate at Letters; News from the Republic of Letters. See Journal

REPUDIATION, in the Civil Law, the Act of Divor

Cag. See Divorce.

REPULSION, Brutter of Physics, the Action of a reREPULSION, Reputer of the Action of a repelling Power, whereby natural Bodies, under certain Circumtinuous, mutually fly each other. See REPELLING-Power.

Ripuline is the Courses-Petr or Attraction.—Attraction only nches to a little Diffance; where that terminates there Repulfor commences. See ATTRACTION.

continences. See ArTHACTION.

Infector we must with many clothous latinates on all Papalifum Infector we must be made and the property of the property of the property of the Papalifum Infector Daily, the premise of Daily, the premise of Daily, the premise of Daily, the Thus, if a fit Body lighter than Water, he lad on the Surfice of the Papalifum Infector of Papalifum; and the Papalifum Infector of Papalifum; and the fitting up of the Paid allow the Surfices of other securities (Bodies and Ontice). The paper of the Paid allow the Surfices of other securities (Bodies and Ontice) that the Surfices of other securities (Bodies and Ontice).

In the latter Case the Fluid is fulpended by an attractive Power, above the Level, and keet from falling by its Gravity: In the former a Depression is made by the repelling Power, which the Liquos, notwithstanding its Gravity, enanct run down into and

fill up.

Uooo this depend all the Phoenomena of very light Glass Bub-Upon this depend as the restrictions or very sign states between the Marer; shout which, when clean, the Water rifes; but when greas'd, the Water finks into a Channel all around them.—Hence also it is that it is Glafe Velicio! Water the Flaid Heads bigher all about the Edges near the Glafe, than towards the Middle; But when the Glafe is filled iff the Water run down the Middle; But when the Glafe is filled iff the Water run down. the Middle: Bet when the Glisi is filled in the Water no down out all Sales, then, in thind higher the tended than it stellards.—"Librace, side in a Glist nee field of Weren, a clean Glist Billion and the stellar s

Redrefa See Equiry.

The Term Regard is now, fince the Inflitation of Chancery, much disuled; together with the Court of Regards, where Reasoft were cognizable.

The Court of Requests, was an antient Court of Equity, infitured about the 9th Heavy VII. of like Nature, though micriour Authority, to the Court of Chaocery; being appointed chiefly
the control of the court of

our Aucharity, so the Couri of Chassery; being appointed charly forther Redict of Petroleur with a reconstruction Cast the shaded with the metales by vary of Keyngle to be Majelly. The Called Julyer of the chart was the found from you facility that the Called Febry Stall, at The Called Julyer of the Cast of the Cast of Registers of Chassery. See Marrier, the Court of Registers in the Court of Common-Please, that the Cauri of Registers in the Court of Common-Please, that the Cauri of Registers in the Court of Common-Please, that the Cauri of Registers with the Court of Registers (See Court, CARNOSERY, O'C. In News the Newson Crossin, Critil Registle, Sild Octain Februaries).

PLAINET.

They have eighty Mafters of Regards, to take Cognizance of Causes between the Officers of the Crown, the Servants of the outhold, or. REQUEST, in Hunting, is when the Dogs have loft the Queft or Track of the Beaft, and must Regard, or Sard it again. See

QUEST.

Thus they say, to call to the Request, come to the Request. See

HUNYUNG.

The Reynolf she Game, is chiefly used when after having run it down the Night before, they she it again the next Mecring with the Block-Hound, or the like. See Recon-Hound.

REQUIEM, a Minf sing in the Remit Church for the refe of this S and of a Person doceard. See Mass.

It is the called, because the Interest begins with, Repairm exter-

RES, thing. See REALITY, ENS, ESSE, SUBSTANCE, &c.

RES Naturales,
RES Nan Naturales,
RES Prater Naturales,
PRETER Naturals.

RESCEIT, RECEPTIO, an Admittion or Receiving of a third Person to plead his Right, in a Caule formerly commenced between other two.

As, if a Tenant for Life or Years, brings an Action, he in the Revertion comes in and prays to be received, to defend the Land, and to plead with the Demandant.

RESCEIT is also applied to an admittance of Plea, though the Controverly be only between two.

RESCEIT of Homage, Receptio Hessagii, denotes the Lord's receiving Homage of his Tenant at his Admission to the Lands.

RESCISION, Rescussto, in the Civil Law, an Action in-tented for the annulling or fetting afide of an Act, Contract, or the like. A Thing's being found damag'd or fald at above double the just Value, is a good Caufe of Refujiwa. See REDITATION. An Act or Contract thus annuli'd, or reference, is call'd a Re-

fiffery.
The Word is form'd from the Latin, re and finals, q. d. I cut

or divide again.
RESCOUS, or RESCUE, in Law, an illegal taking away and feeting at Liberty of a Diffred taken or a Perion arrefted, by Pro-cels or Courle of Law.

This is properly a Resissar in Fast.—If one Distrain Beasts for Damage fusiant in his Ground, and as he drives them in the Highway towards the Pound, they enter into the Owner's House, and he witholds them there, and will not deliver them upon Demand; this Detainer is a Referent in Law.

Referent, in Matters relating to: Treafin, is deem'd Treafon;

and in Matters concerning Felony, is Felony. See TREASON,

He that commits such a Research Research is call'd Reseasons is also used for a Writ which lies for this Fact; call-ed Breve of Reseason, and Officer in the Court of Rome, who

fots a Value upon indulgences and Supplications. See INDULGENCE.
RESCRIPT, an Aniwer delivered by an Emperor, or
a Pope, when confulted by particular Perfors, on fone difficult Ouetton or Point of Law; to ferve as a Decision thereof.

The Civil and Canon Laws are full of such Reservise.—When

The Crivi and Canol Laws zer trill of such Refrigies—When the Refrigir made in Anthone to the Inequiry of a Community, it was call'd a pragmatic Sandline. See Paramatric The Papal Refrigies are a kind of of Bulls or Monicocies, beginning with these Words, Signiferons sales shellow films, Sec. They never obtained either in England or France, when the Theorems of the England Gallism Churches; but ere declared abusive. See BULL.

Among the Raman the contending Parties, and even the Ma-

these and one greatly costs always can coverable each other; as the injurishment is, greatly and at a can one always the each other, at Mentines they were to such in certain since and efficient Other bears expelled. REQUEST in Laws, Segulactions on Perskine preferred to use concelled Referent—Piech the merce may be REQUEST. In Laws, Segulactions, or Perskine preferred to use could referent—Piech the merce and the Piecke or a Cover of Julice; beging Relief in form Con-Lemp, but were doesn'd a freup Presidence or Perskington. Secondary of the Common Law greatly on interesting and pure Number of them in the Code, present the statest against Number of them in the Code, present the statest against Number of them in the Code, the Code of 
d by that means given them the Authority they before want-See Cone.

ed. See Cons.
The Author of the Life of the Emperor Marinus observes of
that Phrice that he would have his Olivera judge, by Laws, no thy
that Phrice that he would have his Olivera judge, by Laws, no thy
Marin, fish as Camendon, and of summer that the law of signoran
Marin, fish as Camendon, and the Marine that the law of the
and because Trajes never gave sury Raffreys at all, as being lost
to construence a Cauthon, where what is frequently granted as
proceeding—The that Raffe, might be differently pleaded in a
Proceeding—The that Raffrey and the State of the the
Raffress of all their Authority. ripes of all their Authority. Schulting, in his Differentions, does not at all approve of

this Defign; and to the Emperor's Reafons Answers, that indeed all Referents are not to be admitted; that those which appear dictated out of favour, are to be thrown afide; but those which appear founded in Resion, and natural Equity are, with Fastissian, to be allowed.—He adds, that it can't be denied but the worst imperors have frequently made good Laws, and useful Referiots. As to what is urged of the Emperor Trajun's never giving any

As to what is urged or the temperor arguments in but a Re-ferper in appears but ill fupported.—For what is it but a Re-ferper that he delivers to Play on the Subject of the Christians, Like 2. Epif. 28? Or that on the If Inflict. Lib. 10. Epif. 120? The Diggs, and Play's Epittle, need only to be opened and com-The Droys, and Propys Equities, need only so be opened that compared, to find Referent of Theology.

RESEANTISSA in Law. See ESSOIN.

RESEANCH, a dilignet Search or Inquiry into say thing.—
The Word is form'd of the French, Recherchy, and litterally do-

otes a frond Search

notes a promat search.

RESERRES, in Mulicks, is a Kind of Preluce or Voluntary, play'd on the Organ, Harplicherd, Theorebo, &c. Wherein the Competitive for search, or lock out for the Strains, and Touches of Harmony, which he is to use in the regular Piece to be play'd

Hamony, which let it out in the regular Piece to be played afferwards. So Parish and conferency required, and the played process of 
RESEMBLANCE. See SIMILITUDE.
RESERVATION, in Law, an Action or Clause whereby formething is researed, i. s. renain'd, kept, or secured to one's felf. CRESERVE.

Thus, when a Man lets his Land, he referent a Rent to be paid to himself for his Maintenance, &c. See Lease, Tenant, RENT, Or.

RENT, Or.

William the Computer getting all the Lands of Empland, except their belonging to the Church and Religious Flouies, into this Hands by Rights of Compactly, bethroated a green Pert thereof among his Followers, referring fourse Retribution of Rensa and Service to him and the Herrs; which Referenties is now, as it was before the Conqueth, called the Terrare of the Lands. See TENURE, SERVICE, O'T. Sometimes Referention fignifies as much as an Except

when a Man lets an House, and referrer to himself one Room, that Room is excepted out of the Demise. See Exception. that Koom is excepted out of the Demide. See Exception. Mastal Residential rates of the Composition, which liftedly radem, and according to the internal Import of the Terms, is fille; but if qualified with formelating referred in the Mind, becomes true. Mental Referencies are the great Refuge of Religious Hypo-crices; who tile them to accommodate their Conference with their Interests: The Jesus are zealous Advocates for mental Refervations; yet are they real Lyes, as including an Intention to

RESERVE, in Law, the same with Reservation. See Re-

He has fettled the whole Estate on his Son, and has not made by Referen.—Benefices are sometimes resigned with Referen of a nion -By the Canon Law, no Person may referve to himself Pontion out of a Benefice, unless he have served it ten

ears. See RESIGNATION. In the Rossib Church, the ordinary Priests have only a Po-

in the Rempo Courtes, the ordinary Frience have only a rower to ablidive, in express of create Cafe; bence cilder referred Cafe; as being referred to the Billiop. See Association and Case. The Court referred to Cognizance of usch an Affair to it felf.

—The Lawyers fay, that no Prince ever grazes fatch a Power by the Letters of Patents, but he referred to himself a greater.

Body of Reserve, or Coppe de Reserve, in Was, the Forcer disposed in the third or last Line of an Army drawn up for Battle. See Links and BATTLE.

They are thus called because referred, or defined to fastain the Prof.

reft as occasion requires; and not to engage but in Case of Ne-

ceffity,

RESERVOIR, RECEPTACLS, a Place where Water is collected and refered, to be conveyed occasionally, through Pipes,

offer, or to be figured up, off. See Waters, Future, off.

The Reference in a Building is a large Bason, usually of Woods,
lined with Lead, where Water is keep to slapely the Occasions of the House—Art Casson, the noble Seat of the Duide of Chandor, rme runtic—At Casser, the noble Sea of the Duize of Chassor, is a very large Reference a-top of the House; to which the Waste to is rain'd by a very curious Engine contrived for the Purpoic—This Reference to of facts Capacity, as that before inpylying all Parts of the House by means of Pipes and Cockes, it licewise tunes a Mall.

The Purpose to the season of the House by the parts of the purpose of the purpo

The Reference is formerimes also a large Bason of strong Ma-fonty, glazed or paved at the Bottom; where the Water is re-ferent to feed Jits & East, or spouring Fountains. See Foun-

TAIN, 6º.
Such is that hage one on the top of Marly, call'd Traw d' Enfor, Hell-Mouth, whole Sarthee, Davider tells us, contains fifty
Ares, and its Depth fach, a under that Superficies to contain
a hundred thouland Calletic Fathenn of Water.
RESET, in Law, the receiving or harbouring an ondawed
Pariss. See DUTLAW.

Hence a Receiver of an Out-lawed Perfon, is call'd a Re-

RESIANCE, in Law, a Man's Abode or Continuance in a Place.—The Word has the fame Signification with regard to Lay-Men, as Refedence with regard to Ecclefiatticks. See Resi-

DENCE.

Glares Diede, where the meter Law. Refuse properly inguised a blade, whereby the Pedica we dishded from thring inguised as our Efficia de Male Lella. The Refuse de Refusella, was the time as our Efficia de Male Lella. See Economic Leve Pedica (Pedica). The Resultance of Pedica de Refusella, was the time as Pedica et al. (Pedica). The Resultance of the Refuse. Cella Resultance, 40th America et al. (Pedica). The Debatic of Refuser. (Pedica). Betszerec, 40th America et al. (Pedica).

Party have a Dispension of or the same, with us, is the Forte-berty have a Dispension for the same, with us, is the Forte-bure of ten Pounds for each Month. See Noss-Ressure. By the Canon Law, Beneficiaries are obliged to Reference, un-der Pain of Deprivation of their Benefices.—The Original Res-

our rain or anythmenso or their denegoes.—And Organia Refo for is, that in the primitive Church none were promoted to bely Orders, but fisch as had a Besedee in prompter, which they were obliged to ferrey, so that this Service was nocedifiely attached to the Order; and whoever was bocomed therewith, at the fine time was obliged to personal Service. See Orders and Orton-But this first Discipline was not observed long .- The Benefit

cisries by Degrees got Difpensations from ferving their Benefice themselves; and thus Plurallites got footing. See Pluality. themselves; at themslives; and true Primitines go (rooting). See a Local 11-15.

France, of all other Countries, lecture to be that where Refishers is the most strelly regarded—All their Carres, or Miciaters who have Carre of Souls, are obliged to adout Refishers; and the Parlaments have declared all the Difficultions granted by Popes, the abolive; as effecting the Obligation of Refishers to be four

Under Charlot IX, thore was even a Deliga to re-establish the primitive Diciption in all its Secritity; and m 1 e(s), a Declaration over seglected, appointing an illustry to try-file. Communication over seglected, appointing an illustry to try-file. Communication of the King; in regard tach a Quality or Counsellors of the King; in regard tach a Quality or deem'd inconditions with the institute of the communication of the comm

Du Pin adds, that the Procureur General, Attorney General

Boardes, even (ciz'd the Temporalities of fuch Bifrops as conti-nued in Paris fifteen Days after this Dechration; having first certified them, that if they had any Business there, he'd underrake the Management thereof RESIDENCE, in Chymiltry, &c. the fettling; or what remains of a Lienor, or other Subthance in the Veffel, after Part of it has been poured or taken out; to change the Manner of the Ope-

ration on what is left. RESIDENT, a publick Minister, who manages the Affairs of a King in the Court of a Prince, or petty State; or the Affairs of a Prince, or petty State, in the Court of a Prince. See

Thus the King of England his Refidents in the Courts of the Electors, and other Princes of Germany and Italy; at the Republicks of Germa and Lavas; and they reciprocally have Refidents in the Court of Great-Britain.

derts in the Court of Great-Britain.

Rifeliars are a Claff of publick Ministers inferiour to Embafsition and Emotys; but like them are under the Procedism of
the Law of Nistions. See Estassacon and Exvoyr.

Restriction of the Court of the Court of the Court of
the Court of the Court of the Court of the Court of the
things called the, Estamon between duel Courtains; and in Nitransity,

many called the, Estamon between duel Courtains; and in Nitransity.

Relleant de Firf.

Quatroscos; de alui teneat ei magis olouzius efis. È cjus relis-cus efis debet enya legios efi Leg. H. t.
RESIDENTIARY, a Cason infailled to the Privileges and rofats of Reidence. See Canon.
RESIDUAL Ripurs, in Geometry, the Eigene tenniming after inhitraction of a letter from a greater. See Figure.

RESIDUAL Row, is a Root composed of two Parts or Mem-bers, only connected together with the Sign — Thus, a—b, or 5—3, is a Refidual Root; and is fo called, be-cause its true value is no more than its Refidue, or Difference be-

con the Parts a and b, or 5 and 3. See Roor.
RESIDUE, the Remainder or Relique of an A

RESIDUE, the Remainser or Resigns or an Account, Debt, or Obligation. See Restatinces and Religion. See Restatinces and Religion. See Paul, in his Epithle to the Romans, speaks of a Refuture according to the Election of Grace; meaning a Remeans or little Number of People preferred from Idolary by an effect of the

RESIGNATION, or RENUNCIATION, in the Canon Law, the Surrender, or giving up of a Benefice into the Hands of the Collator. See BENEFICE and COLLAYOR.

Refiguation is of equal Import with Surrender; only the former is reftrained to fprittal Benefices, and the latter to temporal Offices or Employments. See SURRENDER.

Refiguations are either Simple or Conditional.

Refiguations are either Simple or Conditional.

Sumple, or pare Refiguations, are those whereby the Incumbent
firigs himself of all his Right, abfoliutely, and without any Conditions or Referve of Penison—Their are made to the Bahops

Refignations in favour, or Conditional Refignations, are fuch as re only made on Condition that such other Persons shall be m-ested therewith; so that the Respussions are null, unless the

Conditions be punctually executed.

These Refignations in favoress are not of above 200 Years flanding.—Strong Oppolition was at fift made to them; they being effected a kind of Succession or transmission of Be-

nefices, as of Patrimonies belonging to a Family. Accordingly, these Refiguation are not made into the Hands of the Ordinary, or Collator, as pure Referentier are; but to the Collator para-mount, who in the Rosell Church is the Pope: There being a fulpicion of Simony, or other unlawful Paction therein; where admitted of in Prejudice to the Lay-Patron. RESIGNEE, in Law, the Party to whom a thing is refigu-See RESIGNATION

RESIN, RESINA, a fat, vifeid, fulphurous Juice, oozing either fpontaneously, or by Incition, from feweral kinds of Trees, articularly the Pine, Fig. 54. See JURE, PLANT, &c. Maftic is the Right of the Lentisk. See Mastre. Camphor is also a kind of Right. See CAMPROR.

The best of all the Cass of Refer. See Turpenine.

ENTINE.

The Coarfift is what we commonly call Rofin. See ROSIN.

Refin is properly a Juice of the Bark only. See BARK.

Barrhave will have it to be the Od of the Bark further

furfillated by the Fleat of the Sun, etc. fost so become finishe.

le adds, this it may be produced from any vegerable Od, by

calling is main and long.

Fre also, that it may be produced from any vegetable Od, by boiling it much and long. See Out. If Turpentine be fet over a gentle Fire, it first distributes and becomes an Od, then a Balian, then Pitch, and then Rospe; in which State it is frishle in the Cold, findible by Fire, and within inflamable and combustible, and distribute in Spirit of Wine, but not in Water, which are the Characters of a Refis. See WATER, er. There are two kinds of Refus, the one liveid, the other dry

and hand. The first is the natural Refis as it flows from the Tree.—The forcest only differs from the first in that it is conducted by the forcest only differs from the first in that it is conducted by the Refis will incorporate with Oil, or cellfield Spleits, but not with an aspector Menthrum. See PRACEPTRATION.

The Difference between Refis was Gumas consists in this, that Refiss are more liabilities, and Gumas consists in this that Refise are forced in Joint of Works, and the last in Water.

See Gum.

oe GUM. Thereoffert makes a kind of intermediate Clafs of vegetable titless which he calls time-Refers; which difficive partly in Spirit & Wine, partly in Water. See GUM-Refers.
Such are Galikanous, Bakilhou, Oppopenas, Seepenam, &cc.
The Refer of Gerealt Vegetables which shound with Reference

The Rojis of feveral Vegetables which shound with resonant Peritals, but not is as to pid any by Inetions, as Japan, Benja-tain, Seammony, Turbith, &c. is thus obvioined—The Veget-be being grouply powderly is put into a Marsals, and redifficied Spirit of Wine poured on it, to the height of four Pingers above the Matter. Then the Neck of another Marsals being lated in-to the former to make a double Veffel, the Matter is dispetded to the former to make a double Veffel, the Matter is dispetded. to the former to make a double Veffel, the Matter u digitally 3 of four Days in a Sand Hear, all in have given a good Tanchure to the Spinic of Wine. Then the Dilitication is filtrated, and two thirds of the clear Lispone evaporated oft, and the remainder pourd into a large Veffel of Water, where it turns into a kind of Milk; whence, the Refs, in Time precipitates not the Bottom in a white Pourder. This where with I and chird in the Sun, grows into the ordinary Conditions of a Refs.

in Effect, See Poice.

Of Refform, these a various Kinds, attling from the various Names and Properties of the reffere Bodies, and powerful by Refform and Properties of the reffere Bodies, and powerful by Refform of the Refform of the Age of the Refform of the Refform of the Age of the Refform of the Reffo

Bodies or Maffes

This Refferee is what M. Leibnitz cells Refflence of the Sar-face; and we, properly, Friding; the Coninteration whereof, being of the last Importance in the Doctrine of Machines, (or

bong or the far importance in the Doctrine of Miscanies lee its Laws ander the Article Praction.

The fectord Cufe of Refflere is where the reffling and reffled Parts are not only configuous but cohere, i.e. are Parts of the fame continued fooly or Mafa.—This Refflerer is what we may properly call Resiltency; and was first considered by Galike.

Theory of the RESISTENCE or RENITENCY of the Fibres of falid

To conceive an Idea of this Reforest or Renitency of the Parts, disposed a cylindrical Body inspecial extensily by one End.—Here, all its Parts being heavy, draw downwards, and tend to feparate the two contiguous Pantes, where the Body is the west-felt But all the Plants right this Separation by the Force where-the But all the Plants right this Separation by the Force where-the But all the Plants right this Separation by the Force where-the But all the Plants right this Separation by the Force where-the But all the Plants right the Separation by the Force where-the But all the Separation by the Force where-the But all the Separation by the Force where-the But all the Bu with they asters, or are bound together: Here then are two op-point Powers, the Weight of the Cylinder which tends to break it, and the Force of Cohesion of the Parts which refills the

Fracture.

If the Bafe of the Cylinder be increased, without increasing its Length; 'us evident the Fracture will be increased in the faux Katio as the Bafe; but the Weight also increase in the faux Ratio, whence it is evident that all Cylinders of the fitter Matter and Length; whethere their Bafe to be have an equal Refference, when

verucally furpended.

versually fulfersded.

If the Leopth of the Cylinder be increased without increasing the Bits, its Weight is increased without increasing its Rogic more y confectority the leagtheasing it weakens it.—To find the gruarest Leopth a Cylinder of any Marter may have without preaching, there needs nothing but to take any Cylinder of the sime Matter, and fulfacts to it the greatest Weight it will suitain eye it.

Matter, and fulfacts to it the greatest Weight it will suitain eye it.

Banks, and show the See Journ Best it man the learnest only the Adbreak; and then fee how much it most be lengthened by the Ad-diction of its Weight, till it equals its former Weight with the Ad-diction of the foreign Weight.—By this means Gables found a Copper-Wisr, and of confequence any other Cylinder of Copper, might be lengthened to 4801 Braccios, or Fathoms of fix Foot

each.

If one end of the Cylinder were fixed horizontally into a Wall,
and the reft fulpended theore, its Weight and Refifters would
then ach in a different Manner; and it is broke by the Adition of
its Weight, the Rupture would be at the End first into the
Wall. A Carlo or Plane compiguous to the Wall, and parallel to Wall. A Circle of Plane configuous to the Wall, and paraset to the Bafe, and confequently vertical, would be detach'd from the contiguous Circle within the Plane of the Wall, and would de-Gend. All the Motion is made on the lowest extremity of the Diameter, which remains immoveable, while the upper extremi-ty defertibes a quadrant of a Orele, and till the Circletwhich be-fore was vertical is now horizontal; i. e. till the Cylinder be

entirely broken. In this Fracture of the Cylinder 'tis visible two Forces hav In this Frackner of the Cylinder 'the visible two Forces have afted, and the one has overcome the other! 'The Weight of the Cylinder, which arose from its whole Math, has overcome the Refighter which arose from the largencie of the Bales; and as the Centres of Gravity are Points wherein all the Forces affing from the Weights of the Several Parts of the tame Boddes, are from the Weights of the feveral Farts of the tame Bodies, are conceived to be united, one may conceive the Weight of the whole Oylander applied in the Carter of Gravity of its Males, i. e. in a Point in the Middle of its Axis; and the Rofflewan of the Cylinder applied in the Centre of Gravity of its Bales, i. e. in the Centre of the Bale: It beam the Bale which refer in in the Centre of the Bales.

Fradure. When the Cylinder breaks by its own Weight, all the Motion is on an immoveable Extremity of a Diameter of the Bathers. This Extremity, herefore is the fact Potent of a Leven, whose two Arms are the Radius of the Bule, and half the Axis; and of confequence the two opposite Forces but so lid by the relative Force they drive from the Herman bulb of the Company of the Company of the Potential Poten

the Lever.

the Lever. Hence it evidently follows, that a Cylinder, e. gr. of Cop-per, which verically infreeded, will not break by its own Weight it left than 450 Fathon long, will break with a left Length in a horizontal Situation; in regard the Length in this latter Cale con-tributes two Ways to the Fracture; both as it makes it of fach

RESISTENCE, or REINTING-Piers, in Physich, any Force a Weight, and arit is in Arm of a Lever to which the Weight which als containly to another, to a not declay or defining the spineder—Henne, site, the final tent to their it, the first length of the property of the pro

I herefore it exceeds the exter as its Bulk and Weights, more than its Refferent; and conferenced must break more eight; Fictore, we fee why upon making Models of Matchines in man. People are age to be militation as to the Refferent and Strength of certain horizontal Pieces, when they come to exceed their Deligna in large; by dolerwing the filme Propertion as care their Deligna in large; by dolerwing the filme Propertion of the Control of the Properties of the Control of the Contro

Am. Weight registed no breat a Boly placed besticatually, he-ing deepy left dism har trapileted to been in a seemed Sama-ca; and the Weight being to be greater or left accroting to the weight register. In the second second second second second on the second second second second second second second weight rice relative Weight into the fixed place of the body beauty which small as meeting, because it was fixed second second second second second second second second of the Lever-Ker if the Body, a. p. were a Cone, in Germe of the Lever-Ker if the Body, a. p. were a Cone, in Germe of the Lever-Ker if the Body, a. p. were a Cone, in Germe of the Lever-Ker if the Body, a. p. were a Cone, in Germe of Germy would be a time Medica of a trapit per Askir; nor the Cones of Growly of First an the Middle of the Asir of Germy would be in the Medica of an Lengther Askir; nor the Cones of Growly of First an the Middle of the Asir of Germy would be in the Medica of an Lengther Askir; nor the Cones of Growly of First an the Middle of the Asir I may be ten exclused, that if the Buddle of the Lever. If may be ten exclusively, the I'm the Buddle of the Cones of the Verner of the Parishals extend the Second Second with regard to disk, that the Dilubeces of the Contrar of Gra-ryan to be decemberated. The Weight required to break a Body placed horizontally, be-

weigh half what a Cylinder of the fame Bafe, 480r Fathoms long, weights. See Weighter of Rolling, weights. See Weighter of Galilon, M. Marister made a very fabile Remark, which gave Birth to a new Syllem—Galilone Galilon. very fisheld: Remark, widels gove likels to a new system—cash, who imposed nat where the lody breaks, in the Fisters break at once; to that the Body always right with in whole ishibiant Force; i. e. with the whole from a life. Fisters there is the Fister where it is the state of the fisters in the first whole is the first the state of the first the first the state of the first the fi of their Force.

This Consideration only takes Place in the horizontal Situation

This Consideration only takes Place in the horizontal Situation of the Body: In the vertical the Falice of the Body and once; is that the abidiate Weight of the Body must exceed the united Refighers of all its Flaves. A generate Weight is therefore required here, than in the horizontal Situation, i. e. a genera required here, than in the horizontal Situation, i. e. a generate weight is required to overcome their anited. Refighers, than to overcome their feweral Refiftement one eiter another.—The Difference between the two Situations and fish home, that in the Hest-reach between the two Situations and fish home, that in the Hest-reach between the two Situations and fish home, that in the Hest-reach between the two Situations and fish home, that in the Hest-reach between the two Situations and fish home, that in the Hest-reach between the two Situations and fish home, that in the Hest-reach between the two Situations and fish home, that in the Hest-reach between the state of the s outal there is an immoveable Point or Line, a Centre of Mori-

on, which is not in the Horizontal. M. Varigone has improved on the System of M. Mariette, and shown that to Galie's System, it adds the Consideration of the Centre of Percussion—The Comparison of the Centres of

RES

Gravity, with the Centres of Percussion, afford a fine view; and fet the whole Doctrine in the most agreeable Light. See CENTRE.

In each Syltem, the Bafe whereby the Body bresks, moves on in each system, the male whereby the holy pleaks, moves of the Axis of Equilibrium, which is an immoreable Live in the same Bafe; but in the fecond, the Fibres of this Bafe are conti-nually freeching more and more; and that in the fame Rario as they recode further and Earther from the Axis of Equilibrium, and of Confequence are still exerting a greater and greater Part

of their whole Force

of their Worke Force.

Their inceptal Entergions, like all other Forces, must have force common Centre where key all nexts; and with regard to which they make expell feiture to end k-ball which the feet which the feet all feitures to end k-ball which the feet varil Forts of a Rod moved icreality would have to one storter, the Centre of Entermion of the filler whetely the Rody torsite, or credit to break, must be the fame with its Centre of Percusion—Galler Hypothesis, where there shorted with the Centre of Enterior Centre of the cuttion does not appear, as being confounded with the Centre

The Bale of Fraction being a Surface whose particular Nature determines its Centre of Percussion; 'tis necessary it be first known to find on what Point of the vertical Axis of that Bale it koown to find on what Peinr of the vertical Axis of that Blate is pleed; and low fit is if from the Axis of Equilibration—Indeed, we know, in the general, that is always axis with 6 much-indeed, we know, in the general, that is always axis with 6 much-indeed, in the indeed in the program of the plate in 
faces of the Base of the Fracture.

need of the State or the Fracture.

To expect the meacult Refference to the Late to the Control of the Late to the Control of the Late to which amounts to the fame, approaches to much nearer to the equal Reforme in Gailleo's Hypothesis, as the two Terms of the

each Höffmen in Gallehri Hyrokolisi, as the two Terms of the Richards reneer to me Equality. Herbora of Bodius, in M. Hence it follows, that the Hoffmen of Bodius is M. Hence it follows, that the Hoffmen of Bodius is M. In the Hoffmen of the Hoffmen of springs the Weight by the fitting which is always an intend Uni-ted Rosis, in the raintive Weight, as the Diffuser of the Can-ter Rosis, in the raintive Weight, as the Diffuser of the Can-ter Rosis, in the raintive Weight, as the Diffuser of the Can-ter Diffuser of the Corner of Control of the Ball of England, from the first Asia. Which is precisely the fines their weight on the Canter of the Control of Canter of the Canter of the Albert and the Canter of Control of the Politics of the Albert and Canter, I conflict, after concerning the relative Weight, as the com-position of Gallery, there needs nothing to convert a two that of Marketts, has to mappe date the Politics of Canter, there need no the Canter of Canter, there need no the Canter of Canter, there need no the Canter of Ca

the Artis of Headman.

The Artis of Headman and Artis of Headman and Headman a day, from the Axis of Equilibrium; and the Refifters is the Plane of the Base of Fracture multiplied by the Diffarce of the Centre of Gravity of the Bafe from the fame Axis; Confequently these

four Quantities are to be proportional in the whole, and in each Part of a Solid of equal Refiftence.

From this Proportion M. Varignes eatily deduces two Solids, which shall refif equally in all their Parts. Galifes had found one From this Proportion M. Parigons easily deduces two Solids, which that Jeffs equally in all their Perus. Gadhe shad found one before: That discovered by M. Parigons, is in form of a Transper, and is to be fail sun the Wall at its greater Radi, to the ties Bignesia and Weight is always dimmith? in Proportion as in Length, or the Arm of the Lever whereby in Proportion as in Length, and the Control of the Wall of of the Wa fame in both.

ame in Doth.

For the RESIFTENCE of a Solid forgotted at cash Extreme; at a fab Extreme of the Solid forgotted at cash Extreme; at a fab Extreme from Wildli. See Bealth.

RESISTENCE of Flowls, in Hydrothatics, is the Force wherewith Bodies incoving in fluid Mediums, are impeded and retarded in their Motions. See FLUID and MERIUM.

in their Motions.

#### Laws of the RESISTENCE of fluid Mediums.

A Body moving in a Fluid, is reflect from two Caufes; the first, the Cohelion of the Parts of the Fluid.—For a Body in its Motion separating the Parts of a Liquid, mult overcome the Force with which these Parts cohere. See Consiston.

The second is the Intrins, or inactivity of Matter, whereby a Liquid Committee of the Parties from these Parties.

The focus is the Iteration, or including of Matters, whereby a comment forces in regular do notive the Particles from their Places.

The Retrentation from the Fact Guide, is always the finne in the fame Supers, the fame 100 yet remaining be the Velocity with the fame Supers, the fame 100 yet remaining is the Velocity with the particle of the Velocity with the Velocity with the particle of the Velocity with the Velocity with the Velocity. The Particle of the Velocity will be velocity. The Particle of the Velocity will be velocity. The Particle of the Velocity will be velocity with the Velocity will be velocity. The Particle of Velocity will be velocity with the Velocity will be velocity. The Particle of Velocity will be velocity with the Velo

different Velocities, this Reference increases in Proportion to the Number of Particles struck in an equal Time; which Number is as the Space run through in that Line, that is, as the Veloci-But farther it increases in Proportion to the Force with which ty. But futher is increase in Proportion to the Force with which be Body fitther against every Part, which Force is also as the Velocity of the EoO<sup>2</sup>. And therefore if the Velocity be Triples which Force is also as the Velocity of the EoO<sup>2</sup>. And therefore if the Velocity be Triples moved—It is also triple from a first these three times from provided the proposed and the Velocity and partly in the Triples and the Velocity, and partly in a Liquid. In 1981 of partly in a Ratio of the Velocity, and partly in a Liquid. The Modern from the Collection of Parts in Liquids.

in a duplicate Ratio of it.

The Refferent from the Cohefion of Parts in Liquids, except
glutinous ones, is not very fentilist in respect of the other Reglutinous ones, is not very fentilist in respect of the Volceglutinous ones, is not very fentilist in respect of the Volcecities, but the first is a Ratio of the Volcecities, but the first is a Ratio of the Volceglutinous objects of the Volcecities, but the first is a Ratio of the Volceglutinous ones the Volceglutinous objects of the Volce
To the V

If a Liquid be included in a Veffel of a prifmatical Figure, and If a Liquid be included in a Veilel of a primarical regure, and there be moved along in it with equal Velocity, and in a Direction parallel to the Sides of the Prifm, was Bodies, the one inherical, the other cylindric; 50 that the Diameter of the Bake of the last-ter be equal to the Diameter of the Sphree; and the Cylindre be moved in the Direction of its Axis; theft Bodies will fuffer the

fame Refifeuce.

fame Leighwar.

To demonstrate this figured the Bolies at reft, and that the
To demonstrate this figured to Bolies at reft, and
the bolies are the leight and le and the Liquid is at reft.

Refiferer and Retardation are used indifferently for each others.

Régières and Retardation are used indifferently for each others, as being both in the sime Proportion; a dot the time Refiferes always generating the time Retardation.—But with regard to different Bodies, the fame Régières frequently generates different Retardations; the Refifered being the Quantity of Motion, and the Restation the Celentry.—For the Difference and Medifier of

the Restation the Cératry—For the Difference and Mariforn of the trees, for Retransparence. The Restations to the Control of the The Restations from this Before with the Ceratry—It is demand the by tecompting the African with the Ceratry—It is deman-recibin on its Axia. To which the Refifere of a Spikere of a tention Dimeter is organ it cought to the Weight of a Spikere of that Liquid through which the Beight on Ceratry in Bair, e-qual to the Body Hales, and is telept quelt to had the Height form which a Body Bair, and the Height of the Ceratry form which a Body Bair of the Refine Ceratry of the Ceratry with which the Chipter is sorred transpired.

From the given Celerity of the Body moved, the Height of the Liquid Cylander is found, as also the Weight of it from the known specific Gravity of the Liquid, and Dameter of the Bo-dy.—Let a Ball, for Inflance, of three Inches Dismeeer be mo-67—Lee a Bill, for Inflance, of three Inches Diemeter be moved in Water with a Colenty wherewish it would go fixteen Foot in a Second: From Experiments on Elling Bodies, and others made on Pendallums, it has been found that this is the Celetrity which a Body sequence in faling from a Height of four Body because the Weight of a Cyllader of Water, of three Body Body and Second out its Poults and the Discent.

Let the Rofiftmer to discovered be divided by the Weight of the Body, which determines its Quantity of Matter, and you will

have the Recardation.

#### RESISTENCE of fluid Mediums to the Motion of Pendulums.

The Arch deferibed by a Pendulum of cillating in vacas, wi the Celerity it has acquired in descending, is equal to the Arch described by the Descent; but the same does not happen in a Fluid, and there is a greater Difference between those Arches the greater the Refilence is; that is, the greater the Arch is which is delerib'd in the Defects.

Let the Refferent of the Liquid be in Proportion to the Ve-Let the Refferent of the Liquid be in Proportion to the Ve-locity; and kit wow Produlums, enempty alies, ofciliating in a Cy-cloid, perform unequal Vibrations, and begin to fail the fatte Moment; day bet oligin to move by forces that are as the Arches to be defended. If those imprecisions alone, which are made the fail Moments, be considered, after a given Time the Celerities will be as the Vibraties thermityees, cannot change their those which we are the Velocities themsitives, cannot change their Proportions, the Ratio between Quantities not being changed by the Addition and Substraction of Quantities in the fame Ratio. the Adunton and Subtraction or Quantities in the fame Ratio. Therefore in equal Times, however the Celetries of Bodies and changed in their Monton by the Refiftense, the Spaces gone through, are as the Force in the Bignianng, that is, as the Arches to be described by the Defeent; therefore after any time the Borless are in the correspondent Point of these Arches. But in these Borless are in the correspondent Point of these Arches. But in these Boates are in the correspondent rout or those Arches. But in trace Points the Forces generated are in the fame. Ratio as in the Be-gianing, and the Proportion of the Celertites, which is nor vari-ed by the Refolkerse, fuffers no Change from the Gravity. In the Afcent, Gravity restrict the Motion of the Body; but in corres-Account, Carsiary control the Motson of the Body; be in correspondent Portisin, the Accidents act to the fame as an Dedicate proposed Portisin, the Acidents act to the fame as an Dedicate in the Carticological Portisin, the Body with the Modical to a set in the correlational Portisin, the Body with the Modical Order to the Carticological Portisin, the Body with the Modical Order to Portising and the Portising and Porti

# RESISTENCE of Fluid Mediums to the Motion of falling Bodies.

The Refiftwer are as the Squares of the Celerities, and therefore every where in correspondent Points, as the Squares of the Arches decirabed by the Defection, in which Ratio 2016, the Reundstons are; but as each of them keep the same Proportion on in corresponding Points, the Stams of them all will be in the finne Proportion; that is, the whole Reundstons, which are the Defects of the Arches deferibed in the Lajual, from the Arches to be defembed in Vacuo, or which is the firme, the Differen to be detected at wants to work in the pine, the Directors
between the Arches deferibled in the Deflecet, and the next Afcost. Therefore thefo Differences, if the Vibrations are not vey unequal, are nowly as the Squares of the Arches deferibled by
the Deficence: Whitch is also continued by Experiments in greater
the Directors of the Company of the Company of the Company
to the Directors of the Company of the Company of the Company
to the Company of 
dored, octains:

A floor firstly of the Bigs - Hall is received by the reA floor firstly of the Bigs - Hall or received by the reA floor firstly of the Bigs - Hall or floor in the type or cruphly; si is a Vaccium: the Refigure of the Lightly or critical was Resemble, that it is a Dismonson of A Condention, which Dismonson incredes with the Volccity of the Body. Now there is a centil wholey, which is the general a Body on sating from the bottoms equal to the reflective Weight of the Body, in Moriton on the to Dismonson Light of the Body in Moriton on the to Dismonson of the Reference of the declared by the Reference and the Reference of the Automatory of the Reference of t

dered, obtains

deductly by the Refifters, and the Body forced to go to equably, A Body continually comes nearer and nearer to this greatest Celeury, but can never attain to it. When the Denfaire of a Lajuid Body are given, the re-frective Weight of the Body in may be found my and by knowing the Diameter of the Body, it may be found from what Height a Body filling in Vanco, can acquire fields a Velocity, as that the Refifter in a Liquid thal the equal to that reflective Weight.

which will be that greated Velocity above mentioned—If sie Body he siphere, it is known that a Sphere is equal to a Cylin-ciae of the inner Districts, whole Edgis is two three Daries of the simple of the simple of the Sphere is the simple of the in the rejective weight of the licity execute the weight of the Lapais, in order to have the Height of a Cylinder of the Hajas, which weight is equal to the rejective weight, of the form which lapais figure is to can so the rejective weight, and which therefore is the greater Velocity which a ddy can expire like the simple of the simple of the simple of the therefore is the greater Velocity which a ddy can expire like therefore is the greater Velocity which a ddy can expire like betwire thus Wester, wherefore its rejective, weight is at to the weight of Wargs as to to 1; therefore a choice Balls as to perweight of Water as 10 to 1; therefore a leaden Ball, as it ap-pears from what has been faid, cannot acquire a greater Velocity

in falling in Water, than it would acquire in falling in Vacuo, from an Height of '13 3' of its Diameters.

A Body lighter than a Laquid, and afcending in it by the Actifrom an i leight of '13 û or in Diametris.

A lickly layer that a Laped, and stateology in it by the Addivite Body finding in the Liquid. Wherever you give the Body,
state Body finding in the Liquid. Wherever you give the Body
state Body finding in the Liquid. Wherever you give the Body
state Indiamed by the Laped, and carrier up with a Force quick
of the finne Back as the Body, from the weight of the findy
Therefore you been exceed a Force that consistently set quality
of the Accompted for the first is not to be conclined in
the Cacky bow the Poly's also carrier given the year of the
finding that the Cachy and the Poly's also carrier given the year of
the Accompted in the Hospital Carriery; but the equilition of the Accompted in the Hospital Carriery; but the equilition of the Accompted in the Cachy the Accompted in the
When is Body quality and Body hearter.

It is distinguish a first the Account of the Refilience of the
Lapid in a Lapid from the Healph to which a Body would
be a Lapid from the Healph to which a Body would
the Dicky is a Lapid from the Healph to which a Body would
the Dicky is a Lapid from the Healph to which a Body would
the Dicky is a Lapid from the Healph to which a Body would
the Dicky is a Lapid from the Healph to When Accompted the
Accompted the Body and the Account of the Healph to Wook.

Which the Month of the Healph to which a Body would
the Dicky is a Lapid from the Healph to When Accompted the
Accompted the Body and the Month of the Healph to Whon
the Month of the Body and the Healph to When Accompted the
Accompted the Body and the Body and the Refilience of the Refilien

The Air being a Fluid, the general Laws of the Refiftence of Fluids obtain therein; only the different Degrees of Dentity in the different Stages or Regions of the Atmosphere, occasion some irregularity. See ATMOSPHERS.

Sir Ifase Neuron thems, That if a Globe and a Cylinder of cqual Diameters, be moved with equal Velocity in a thin Me-sium, confliting of equal Particles, dispected exqual Dilmeds, according to the Direction of the Axis of the Cylinder; the Ri-gibeare of the Globe will be lefs by half than that of the Cy-

Solid of the half RESISTENCE—From the left Proposition the fame Author deduces the Figure of a Solid, which shall have the half Resistance of any containing the same Quantity of Matter

half Kelphone of any contaming the fame Quantity of Matter and Surface. See SOLID.

The Figure is this.—Suppose DNFB (Tab. Mechanicts, Fig. 75) to be facts a Curve, as, that if from any Debot N, be let-tial a Perpendicular NMs, to the Ants AB; and from a given Point G, be drawn a right Line GR, parallel to a Tangear to the Fi-gure in N, and cut the Axis when continued, in R: A Solid described by the Revolution of this Figure about its Axis AB, moving in a Medium from A towards B, is less refiled than in morrage is a Medium term. A toward B, it iden rights thus is use yester civiles (Seid of the line Area, N-Non-Prine, p. 3), whole Principals of the Company of the Non-Principal of the None and the None Area (None and Principals of the None and No

diam. In these Articles the Medium is supposed to be discontinuous, as Air probably is: If the Medium be continuous, as Waters, Morcuny, of-where the Collect does not firstle immediately to all the Particles of the Fluid generating the Refilence best only on shock mark is, and those qual not others of the Refilence will be left by half. And a Globe in fisch a Medium undergoot a Refilence within it on the Force of the Refilence will be left by half. And a Globe in the force of the Refilence will be left by half. And a Globe in the substitution of the Refilence will be left by half and the Refilence will be left by half and the Refilence will be left by the Refilence will be substituted by the Refilence wil where-

wherewith the whole Motion it has after deferabing eight thirds of its Diameter might be georgated or then away, as the De-ritory of the Molamo to the Denisty of the Globe, these of the Artist on the Denisty of the Globe, the of the Artist is not alord: by any Augmentation at Diameters of its Acts is not alord: by any Augmentation at Diameters of its Leoght: And therefore is the times with their of a Clotic of the Diameters moving with the firm Velocity in a right Line perpen-dicular to the Plane.

The Refiferer of a Cylinder moving in an infinite une-laftic Fluid, ariling from the Magnitude of a transverse Section; is to the Force wherewith its whole Motion while it deferibes as to the Porce wherewish its whole Monon while it defictless four times its Length may be usen away or generated; as the Dentity of the Mecisum to that of the Cylinder, very nearly. Hence, the Refinear of Cylinders moving Longth-wife, in In-Snitely continued Mecisums, are in a Ratio compounded of the duplicare Ratio of their Dentity of the Dentity of the Mecisum.

The Resistance of a Globe in an infinite unelastic Medium is to the Force whereby its whole Motion while it describes eight hirds of its Diameter, might be either generated or taken away; as the Dentity of the Fluid to the Dentity of the Globe, guarante

proxima.

Mr. Junes Bernoulli demonstrates the following Theorems.

Respirace of a Triangle.—It is a ligitedes Triangle be moved
in a Bital according to the Direction of a Line perpendicular to
its Bate; fifth, with the Vertex foremost, and then with its Bate;
the Respirace will be as the Legs, and as the Square of the Bate,
and as the Same of the Legs. and as rie Sum of the Legs.

The Refilence of a Square moved according to the Direction of its Side, and of its Diagonal, is as the Diagonal to the

The Refiltence of a Circular Segment, lefs than a Semicircle carried to a Direction perpendicular to its Bafas, when it goes with the Bafe foremost, and when with its Vertex foremost, (the who the fate forement has when with he vertex forement, the fame Direction and Celerry continuing;) is as the Square of the Darmeter, to the fame, left 1 of the Square of the Bafe of the Segment. Hence the Refitance of a Semicircle when its Bafe and when its Vertex go foremost, are to one another in a sesquialterate Ratio

Resilvate real Resilvant Resilvant Resilvant Resilvant Resilvant of a Parabola.—A Parabola moving in the Direction of its Axis first with its Bulis, and then its Vertex foremost, has its Resilvant as the Tangenet to an Axto fit of Circles, whose Diameter is equal to the Parameter, and the Tangenet could to half the Bulis of the Parabola.

The Resilvant R

The Reformer if Vertex goes foremost, may be thus computed: Say, as the Sum (or Difference) of the Transverse Axis, and Latus Restaur, is to the transverse Axis; so is the computed : verife Axis, and Lasar Relitions, in to the trustforch Axis; So hake Signace of the Lasar Relition to the Square of the Dimeter of a certain Circle, in which Circle pepty 1. Tangent equal to had Samuel and Circle and Axis and Parameter, by the the parameter, in Samuel Difference of the Axis and Samuel Samu

the Curve Line.

the Curve Line.

All which Ruiss may be of use in the Construction of Ships, and in perfecting the Art of Navigation universally: As also for determining the Figures of the Bobs of Pendulum for Clocks, etc. See Ships Navioations, Paroullum, etc.

RESOLUTION, RESOLUTIO, SOLUTIO, in Physicist, the Reduction of a Body into its original or natural State, by a Diff.

folution or Separation of its appregated Parts. See Dissolution.

Thus, Snow and Ice are faid to be refelved into Water; a compound is refelved into its Ingredients, eve. See Snow, Com-

Where righter into Vapour by Hear; and Vapour is again. Where righter by Cold. See Vapours, Halve to See Vapours, Halve to See Was to the see of the modern Philosophers, puriodals), Mr. Bayle, Marbarter, See misting that the three harmed State of Water is to be congoild, or be in Ice; institute as a certain Degree of Heart, which is a foreign and wident agent, is required to make it Fluid; so that ours the Pole, where this foreign Force is wanting; is contained yearing and of Ley-State. See Wa-

reat. On dia Pracific de Distance d'In sus Warrs, muit be an prociaced. "Il they become either distrily or indirectly ciquit of the Pracinca Communication o

The Business of the Refolution is to investigate or examine the Truth or Fallmood of a Proposition, by afcerding from fome particular known Truth, as a Principle, by a Chain of Confequences, to another more general one, in Quettion. See Proposition, TRUTH, 6%,

Refishation, or the analytic Method, flands in direct oppositions to Competency or the further Method, in which laft we deformed from forme general known Truths, to a particular one in Quetti-on. See Composition.

For an Instance of the Method of Resistent-Suppose the

Question this: Whether on the Supposition of Man's Existence, we can prove that God exists?

To refer this, our Method is thus.—" Mankind did not al" ways exist: "Tis evident from a thousand Considerations, the ways exitt: 'The evident from a thousand Consucrations, me Species had a Beginning; and thes, according to all Hildroy, not 6000 Years ago: But if it had a Beginning, there must be forme Cause of its Beginning; formething to induce it to exist then more than it did before; in effect there must be a Cause or Austhor of its Existence, for from northing, nothing artifes: This Cause, whatever it is, must at least have all the Faculties we find in ourselves; for none can give more than he has we find an outsitives; for none can give more than he has: Nay, he must have others which we have one, finel he could do what we cannot do, i. e. Create, make Man eriff, give-Now, this Caude either exist full, or has cess? to do for: If the former, he did out exist from Eternity; for what is from Eternity is necessificity, and can outlier by ke fir no ray other Caude be reduced to nothing. If the latter, it must have been

Caule be reduced to northing: If the latter, it must have been produced from fome other; and then the fame Queltion will return upon the Producer.—There is then fome first Caule; and this Caule has all the Properties and Faculties we have; new more, existed from Eternity, dw. Therefore, from the Supposition of Man's Existence, it follows there is a God, a gri. REJOUTION, or SOLUTION, in Mathematicks, is an orderly Emmercial or of the feweral things to be close, to obtain what as Wilford manufacture of the problem to consist of three Parts—The Fos-platma, which is which have been propriated the Problem of the Problem to consist of three Parts—The Fos-platma, which have been propriated by the Problem in The Comparison, See Theoretical Republic of the Problem in The Comparison, See Theoretical Republic of the Problem in The Comparison of the Problem in The Problem i

was to be done

was to be cour.

As foon as a Problem is demonstrated, it is converted into a Theorem; whereof the Refolution is the Hypothesis; and the Proposition the Thesis. See Theorem, Triests, etc.

For an idea of the Process of a Mathematical Refolution, see

RESOLUTION Algebraical RESOLUTION, in Algebra, or Algebraical, is of two Kinds; the one practiced in numerical Problems, the other in Geometrical ones. See Algebra.

tried ones. See ALGUBRA.

The rejelves gives assurrizal Problem algebraically, the Method is that: 1\*\* Dillinguilit he given Quararies from the Quararies from the North East Nove the termer with the left Letters of the Alphabert Company of the Company of the Problems is the left Letters of the Alphabert Company of the C

by Theorems relating to the Equality of Quantities. See Equa-

by Theorem relating to the Equility of Quantities. See Equivalence and Equility and the demonstration of the control of Quantities are mixed with the forom; it shows the related to fach manner as the control of the c

### To refere a Geometrical Problem Algebraically.

The Process in the former Article is to be observed through-The Proofs in the former Article is to be observed through-out: That at its roll hypers we come in an Equation in good word. It has a the roll hypers we come in an Equation in good there are former failed through the beautiful former in the three are former in the Linke in the Daugents, without any re-wides a second with the high day, when one are ball, whether the Linke is not found that height gold, when one are ball, whether by further Hangles, or Reclinally, efer---y." To obtain the far-pointed, "this potential three three highest proposed. The proposed three three highest produced, "the byte chosen either directly to relieffly equal to protent one, or interior's orders, e.g.. Familial and Reproduc-tions and Angles to be made requise to others. If thus you don't enrive at a new Equation; comine the Re-cought to feel the day of the chosen of the proposed three the transfer of the chosen of the chosen of the chosen of the many complete the three 
hlow.

RISOLUTION, in Medicine, the Cocion or Alteration of the
Cruice peecant Matter of any Diffesia, either by the natural
Strength of the Patient, or of its one accord, to by the Appli-cation of Remedies; whereby its Bells, Figure, Cobertion, &c.
are fo far changed as that it confes to be Morbid, and becomes
Jundalie. See Coctron, Dirakast, &c.

Justitute. See Coctron, Distant, etc., in all others the most perfect Caste, where its efficied owthout any Evacuation; as red, and the second control of the control of th

Parts, with the Paules each is to observes, in the Beginning, and in the Tone proper to each.

RESOLUTION, in Grammer. See REDUCTION.

RESONANCE, RESOUNDENO, in Mulick, &c. a found return'd by the Air incloided in the Bodies of Sering-Mulical-Instruments; at Latest, &c. or even in the Bodies of Wind-Instruments; as Latest, &c. or even in the Bodies of Wind-Instruments; as Flates, &c. See South, Mulicae, Instruments,

We slio fay, Elliptic, and parabolic Vaults, refised firengly, i. e. reflect or return the Sound. See Eccno. The Mouth, and the Parts thereof, as the Palate, Tongue,

The Mouth, and the Parts thereof, as the Prates, a congue. Teeth, Node, and Lipa, Mond. Dobert obferves, contribue no-thing to the Tone of the Voice; but their effect is very great as to the Reformer. See Voice.

Of this we have a very fentile Inflance in this vulner Influence called the Tomest alled the Tomest alled the Tomest alled the Tomest and three the Tongue or Spring thereof, which is in your Hand, and three the Tongue or Spring thereof, which and John Fallow, and trittee the Congue of Spring Interest, which makes all the Sound of the Infrument; it fearer yields any Notife at all. But, holding the Body of the Infrument between the Teeth, and fitting the Springs before, it makes a mafical Buzza, which is heard to a good Dislance, and effectally the lower

Notes.

So allo in the Haut-hois, the Tout of the Reed is always the finne; being a fort of a Drone; The Chief watery is other Tooler family and the Appendix of the Drone; The Chief watery is other Tooler, Appendix on the divent Motions of the Line. See Havrinov, RESOLVENTS, RESOLVENTA, in Medicine, Remeisis proper to refere and dispers runnor and Garberings; to faither Harizeffels; and by their Tennity and Warnoth, evenuer rechmends or peccent Harizeffels; and by their Tennity and Warnoth, evenuer rechmends or peccent Harizeffels; and by their Tennity and Warnoth, evenuer rechmends or peccent Harizeffels; and by their Tennity and Warnoth, evenuer rechmends or peccent Harizeffels; and by their Tennity and Warnoth, evenuer rechmends or peccent Harizeffels; and by their Tennity and Warnoth, evenuer rechmends or peccent Harizeffels; and by their Tennity and Warnoth, evenuer rechmends or peccent Harizeffels; and by their Tennity and Warnoth, evenuer rechmends and the Peccent Rechmends of the Peccent Rechmends Under this Class come various Unguents, Emplefters, &v.

RESPECTU computi vice comitis bubendo, a Writ for the refing a Sheriff's Accompt, upon just Occasion. See Sheriff. It is directed to the Treasurer and Barons of the Exchequer. RESPIRATION, RESPIRATIO, the Act of Respiring, or

Breathing. See Ask and Breathy the rick of Reporting, of Referentian is an involuntary Motion of the Breath, whereby

the Air is alternately taken in and thrown out: It therefore in-cludes two contrary Motions; the one call'd Infinition, where-by the Fluid is received into the Cavity of the Lungs. See In-And the other Espiration, whereby it is again expell'd. See

The principal Organs of Respiration are the Longs, Traches,

Laryan, Scc. the Description whereof see under their proper Articles, LUNGS, TRACHEA, LARYNE, &C.

Hence it appears, that the Lungs, by their proper Force, are sinsups endesyouring to contract themselves into less Compais than they policis when inclosed in the Thorax, and that therefore they are always in a State of violent Dilatation while the Man lives.—For the Air that encompaties them in the Thorax, flant up between their external Membrane and the Pleura, is not of

equal Density with common Air.
In effect, the ingress of the Air through the Glottis into the Lungs, is always free, but that on the out-fide wherewith they are compressed, is impeded by the Diaphragm, so as it cannot trace the Thorax in Quantity sufficient to make an Equili-

Since then, in Information, the Air enters the Lungs in greater Quantity than it was before; it will dilate them more, and will overcome their natural Force.—The Lungs therefore are wholly Pallive in the Matter: What it is that acts must be learnt from the Phoenomena.

1°. Then, it is observ'd, that in Inspiration, the nine upper Ribs articulated to the Vertebree and the Sternum, rise Archwise towards the Clavicles; and the three lower are turn'd downwards.

the various Kinds of Equations. See Construction of Equations the Abdomen is cliented; and 5°, the Thorax enlarged, 4°, the Debrages in brought from its convex and immous Pulsion to the Debrages in brought from its convex and immous Pulsion to the Debrages in brought from its convex and immous Pulsion to the Debrages in brought from its convex and immous Pulsion to the Debrages in brought from its convex and immous Pulsion to the Debrages in brought from the convex and immous Pulsion to the Debrages in brought from the Converse of the Debrages in the Converse of the Debrages in the Converse of the C a flat Figure

Now, as thefe are the only visible Actions in Infpiration, the Cause thereof must be refer'd to them; or rather to the Muscles of these Parts, which are the Intercostals, the Subclavian, e.e.

of their Patts, which are the Intercollist, the Sadektiuss, Grs.
The Capacity of the Thorac being entangle by the Addiso of
their Madics on their this, Grs. a Specie is die between the Fleuroad the Sattlet of the Langs; is that the Art carning the
read the Sattlet of the Langs; the thick are the safe to the Fleun and Displaym—In this Cife, now, the dispersal the Pleun and Displaym—In this Cife, now, the dispersal the Langs as much as the Thorac refills them. And hence, the Langs become at erd; the Bloot pittle leif freely, and is feed in the Quanty and the leif Vernick or the Fleun, and Fleich Capacity and the Capacity of the Ca

Bood aft his on the interordal Multiles and Duighragen.
The Cauties, therefore, which are first distorted the Thorse, grow
The Cauties, therefore, which are first distorted the Thorse, grow
et al. The Cauties of the Cauties of the the
state of the Mulcile of the Advances on the the
state Victors thank the Duighnagen upgain into the Thorase, the
Space whereof being this constrained, the Air inclove one of the
Space whereof being this constrained, the Air inclove one of the
Space whereof being this constrained, the Air inclove the
Space whereof being the Cauties of the Air incloves the
Interoclinity in Elocol being quicklene in its Multiles to
Multiles; and that the Cauties of the Constraint of the InterMultiles; and that the Cauties of the Constraint of the InterMultiles; and that the Cauties of the Constraint of the InterMultiles; and that the Cauties of the Constraint of the InterMultiles; and that the Cauties of the Constraint of the InterMultiles; and that the Cauties of the Constraint of the InterMultiles; and the Air Cauties of the Constraint of the InterMultiles; and the Air Cauties of the Constraint of the InterMultiles; and the Air Cauties of the Constraint of the InterMultiles; and the Air Cauties of the Constraint of the InterMultiles; and the Air Cauties of the Constraint of the InterMultiles; and the Air Cauties of the Constraint of the InterMultiles; and the InterMultiles and The Inte

coftsis and Displangm, being renewed, Information is repeated.

Such is the true, immediate, adequate Manner of vital Re-

ration. See Figart.
For the uses and effects of Referration, they are greatly difputed among Anatomitis.—The learned Barbasty takes the p cipal uses thereof to be the further Preparation of the Chyle, more accurate Mixture with the Blood, and its Convertion into a nutritious Juice proper to repair the Decays of the Body. See

Burifusks the great of of Roffination to be the admiffion and mirror of Air, with the Bood, in the Lungain orders to form those elatite Globales it consists of yogive it is read flored Colory; and to prepare it for many of the uses of the Olicosomy: but how dish Admission should be effected it has no say.—The impossfiech Ainmillion Biosoli be efficiel is hard to fay—"This impossible is thouble to come the poincours of Arreira; nor one as be proceed in the pathonson Aireira; nor one as personnel in the pathonson Yolin-In-effect, fieth a Communitative Verlicition, and compreting the Vernia, is allowation of yoli eliminative the Membrane laining the ladde of the Trie-day. Add to that, well-clittle, and compreting the Verlicit, and the trainfering the field of the Trie-day. Add to that, well-clittle, that and the Aireira for first Communitary, not and the Martine Aireira for first Communitary, not the faithful Colone the Riood beer first allianes, and the abilities Necestity with the Aireira for first Communitary, not the faithful Colone the Riood beer first allianes, and the abilities Necestity with See Biolone.

See Broom

wife. See Bl.000. Other Author, as 8/blas, Etsseller, &cc. take a great use of Respiration to be, by the Neighbourhood of the cold merous Art, to cool the Blood coming recking hot our of the right Ventricle of the Heart, through the Lungs; and to add as a Refrige-IMORY. See REFRIGERATORY.

Mayors, and others, affect one grand uf: of Expiration to be to throw off the fullginous Vapours of the Blood along with the expell'd Air; and for Infpiration, he afferts that it conveys a n estrial Ferment to the Blood, to which the animal Spirits and

two-send Ferment to the Ecoch, to which the mintal Spins and all mulcials Michael nor ordering, the northway proceed and all mulcials without nor rowing, the process of th Life again—Another Experiment of the fame Kins attitue of Lie.

Has she was then injuga a Dog, cut was the Rishis Duplyrigms and
Perizonium, as slid the Top of the Wind-Pips, that he might yes
the Lungh her reformed the Dup to Life, and then centing to blow,
the Dup would from full mid origing Fits, but recover again
blowing; and that strendary a long as he pelendi.

This take of Refinemen Dr. Drake not only confirmed.

The take of Refinemen Dr. Drake not only confirmed the formatter of the perison of the Drake of the D

Heart; which neiber Bereiß, Dr. Leuw, nor Mr. Couper had well accounted for. See Diagnos or Diagnos well accounted for. See Diagnose.

The Weight of the incumbent Atmosphere he shews to be the true Antigonist to all the Mulcies, ferving both for ordinary intime assignment to still the Mudicies, jerving norm for ordinary in-floration, and the Contraction of the Heist—As in the Elivan-on of the Ribs, that Author observes, the Blond by the Patings opened for it, is in a Manner followind into the Lungry, join the Depretion thereof by the Sudisidence of the Lungry, so in the Depretion of the Blood Veffels, confequent discreon, the Blond is 11 Y forcibly forcibly driven through the pulmonary Vein into the left Ventriforcibly driven through, one pusinosity year into use sex ventures cle of the Heart. And this, together with the general Com-perifica of the Body by the Weight of the Atmosphere, is that Power which cause the Bod of on mount in the Veins, after the Force imprefel on it by the Heart, is Fjentz, and which forces to Heart itself; from its catternal State of Coeraction, to that of Dilatation. See HEART.

The reciprocal Dilutation and Contraction of the fuperficial Dimentions of the Body confequent on Respiration, are to necessary to animal Life, that there is no Animal how imperfect (over as

to want it.

Though most Kinds of Fishes and Insects want both Lungs

Though most Kinds of Piths and Insich want both Longs and moreable Risk, and configuously have no dilinked Thouse's and moreable Risk, and configuously have no dilinked Thouse's the state of the last made up to share by an analogously related to the state of the st

The only Animal exempted from this necessity of Breathing, is a Focus: But this, while included in the Womb, focus to

is a Fernari Ber this, while included in the Worths, forms to have brilled more than vegenative List, and quite future to the new testing the properties of the properties of the con-on or flutured of the Mothers. See Ferrerys. Far Learn of Phylosines, are of the full importance to a right of the Conference of the Proce of the Influence of the Conference of the Proce of the Properties Orients, and of the form only preferrer of the Air proper the Influence will not be unse-ceptable—I may therefore be colored, that by Booming into a the Benthi-Tee with a Bidder that is obtained, until of a Spirit definal Papers, and tied at both Endo, if a Phys be fired at one Diluttee from the Ground, a light days to the Worth to walk to

collisis free war war to the second of the s Axis feven, is to the Orifice of the Pipe.

Thus, if the Diameter of the Pipe be o. 28, and its Orifice
o. 616; the Surface of the Cylinder will be 88. Therefore, as
88: 0. 616: 1: 14. double the leaft Weight raifed, to o. 098,
which is almost 2 Ouncer; sod in raifing the greatest Weight is

\$8 : 6 of 6 : 14. double the leaft Weight midel, o 0. of 8. which a should 2 owner; soil in miding be greatf Weight in which is drove through for Tuches, in an eight of a from Enjestion—Now the Tuches of the County of the Longs on the Worke of the Longs as the whole Souther of the Longs on the Worke of the Longs of the County of the Cou

therefore to know the whole Fricture of the Air, we must determ mine the internal Surfaces of the Lungs.

To do tlis, (uppose that ', Part of the Lungs is taken up with the Izanches of the Theches, that another third Part the Blood-Vetfels 'Si, and the remissinder is Vetfeles, where we figu-pose the chief Prefitur upon the Blood-Vetfels to be made; Nop-pose the chief Prefitur upon the Blood-Vetfels to be made; Nop-

both Lobes of the Lungs comin 226 folid Inches, of which cose third, or 75 Inches, are full of Velicias—Let the Dismeter will be coarsed, and the Soldiny consistence of a Velicia will be coarsed, and the Soldiny collection to the Content person of the Content pers 21906.976 Inches. And therefore the Preffure upon the Laryax will be to the Preffure upon the whole Surface of the Luege, as was no to the Freium open the women distract or the Lungs, as 0. 19 to 31906-5965, and confequently, when in an ordinary Ex-peration the Prefiture upon the Larynx is two Ounces, the Pref-ture on the whole internal Surfaces of the Lungs will be 14412 Pound Weight; and the utmost Force of the Alsr in Breatlang, when the Prefixed upon the Lurgnx is fever to Quances, will be

when the Fredler upon the Laryer is from Onnece, will be 944, Found Weight, and the Perfect of the State of the State 1 Inough their feet to be predigious Weights, yet it must fill the to substituted, that the Perfect upon each Part of the States than it is at the Laryer, and then their the Weight and the their like the States of the Weight and the their like the two necessity than the Bood Houdd be freed in the finishest ea-ter when the state of the Weight and the way necessary and the weight with the Bood Houdd be freed in the finishest ea-ter when the weight of the work of the weight will be a second mentionly receive the whole Force and Energy of the Air, and the Weight will be the whole Force and Energy of the Air, and the Weight will be the Weight of the Weight will be the weight of the like when the Bood Houdd will be the Weight of the Weight of the whole the Weight of the Wei lation.

lation.

And hence we may learn the mechanical Reason of the Structure of the Lungs: For, being the whole Blood of the Body was to pass through them in order to receive the Effect of the Air, and that this could not be unlefs the Blood were difficied in final capillary Veffels, ir was necessary that the Surfaces upon which they were to be foread, should be proportioned to their Num-ber: Which is admirably well provided for by the wonderful

Fabrick of the Lungs.

Fabrick of the Lungs.
If the Growing of the Air was always the fance, and if the Diameter of the Tuchta, and the time of every Expiration were performed to the Tuchta, and the time of every Expiration were performed. But fine we find by the Burnowitz, that there is three Inches difference between the greatest and the last! Growing to the Inches difference between the greatest and the last! Growing on the Expiration of the This is a Difference which such as are afthmatic must be ve-

ry fentible of; especially if we confider that they likewise breathe thicker, that is, every Expiration is performed in lefs time; if thekes, that is, every Espiration is performed in list time; if in high the time, and the time Quanty of Alf circum be to, then in high ten time, and the time Quanty of Alf circum be to, the time of 
imes of Expiration were thorter; and therefore a fhrill Voice is always reckned among the prognotick Signs of a Confump-tion, ionimuch as that proceeds from the narrowness of the La-rymx or Traches; and confequently increases the Ptessure of the rynx or Tractica; and contequently increases the Pretiure or the Art upon the Lungs, which upon every Expiration beats the Veffels to this, that at laft they break, and a fritting of Blood comes on a prace. See Phythias.

RESPITE, Respictus, in Law, 6% a Delay, Forbearance, or Prelongation of Time, granted any one for the Payment of a Delay or the Payment of

a Debt, or the like Menage derives the Word Refive from the Latin, refectus; as

define from despetius.—Da Cause will rather have it come from resperore, to Breathe; Respete being, in effect, a breathing-while, granted a Debtor, &c.

ecourts.

RESPITE of Homogo, is a forbestance of the Homage due from the Vafill or Tenant holding by Homage, or by Kedght-Service to his Lord. See Hossaoz, &c.

Antienthy took who held by their Tenutres, paid a finall Sum every fifth Year into the Exchequer, to be refitted doing their Homagon Carlon.

every fish Year into the Euchsquer, to be religited doing their Humpiece Service. By Son. 12 Gen II. this Religite or Homege is uthernway, see By Son. 12 Gen III. this Religite-correct, which is thereby likewise aconsil?. See Them Englished Properties, a Law Plantie.—Where the She-RESPONDEAT Supering, a Law Plantie.—Where the She-tiffs are temovedules, as in Landon, for Indicinitency, Epifondeat Supering, that it, the Majora and Alderman are to answer for them. See Stattern, 6°c.

For the Indifficiency of a Bailiff of a Franchic, Refinement Su-prins, thus, is, the Lord of the Franchife is to antieve. REFEONSALIS, in Law, he who appears for another in Caust et a Day adjuged.

Hier mules this Difference between Refinefals, Efficiator, and Adversaria: That the Efficiator cannot no alleving the Curie of the Payrica Abliance, he he Demandant of Tennes, and 2Howards: I has the Engineers came only to always me Came of the Parties Ablence, be he Demandant or Tenant; and Responsible come for the Tenant; not only to excuse his Absence, but to fignify what Trial he meant to undergo, the Combat or RESPONDENT, in the Schools, a Petfon who maintains a

Thesis in any Art or Science. See Thesi

action in any art or science. See I Harts.

He is that call'd as being to anjour all Objections proposed by
the Opponent or Impagency, etc. See Opponent or
The Refpandars Ballicid is to few better the Opponent or
the Refpandars Ballicid is to few better the Opponent or
the Laws and Copolitions of Opponition be not broke, which
of the Laws and Copolitions of Opponition be not broke, which is call'd Ignoratio Eleucia.—He is also to examine the Moods and Figures of the Syllogifms, to fee whether the Premisses be just-efv. And through the whole to answer rather by Diffinguo's than by direct Negation. See SYLLOGISM, MOOD, FROURE,

DISTINCTION.

Districtions, or. a Perion who undertakes to answer Krasentonserv. In Law, a Perion who undertakes to answer Krasentonserv. In Law, a Company for the good Education of one needbar. See Stragocurity for the good Education of the Company of the Perion for Wheen the originals.—There are four Ordonances of the King of France, wheeley the Catters are captually foliable to the Certain of wheeley deplaces, bound of Writing, and are also Subsective, to promise for an other and company of the Certain of t

e. word is from a from the Latin, responsive, to answer; e. d. , see also Sponsors, to promise for another.

RESPONSARY Song, an Anthem in which the Quiristets fing by turns. See ANTHEM

RESPONSE, RESPONSAL, RESPONSATIO, an Answer, Re-

or Reports

ply, or Reparty.

The Word is but little used, except for the Answers made to the Pricit, by the People, in the Litany, the Pfilms, and other Parts of the Orlice

It has its afe too in frenking of the Opinions or Antwers of the antient Juriforphiti; when confulted on Points of Law. See

CIVIL Low and JURISCONSULTI. The fifty Books of the Digif are composed of Responsa pradentum, the Resonstie of Papinian, Ulpum, Servola, &cc. collected by Jassinian, who afterwards gave them the Force of Laws. by Jaginian, See Digest.

The Resonster of the Emperors were properly call'd Reservise.

RESPONSIONS, RESPONSIONES, a Term used in the miliry Orders, for certain Pentions or Charges which the Knights,

tary Orders, for certain renkons or Charges which the Ampties, or the Commundation they beld, paid to the Order.
Such a Knight-Tempter paid a Refusion of fifty Pounds per Amasses to his Order, on Account of fuch a Commundery. See Commanders and Conventual—In Ros. Part. 9 Rithard

it is written Refes RESSAUT, in Architecture, the effect of a Body which either Projects or Sinks; i. e. flunds either more out, or in, than sother; fo as to be out of the Line or Level therewith.

Such is a Socie, an Intablature, a Cornice, &c. upon an Avant

Corps, arriere Corps, or the life.

The Term is French; and but little used in English; though the want of a Word of equal Import, pleads for its Naturali-

RESSORT, a Term purely Proach; yet frequently used by

our like Writers.

The Word in its popular menning figurities Syring, or the Force of Eulthcity.—Hence it is also used for a Jurisdiction, and the Extens or Diffried thereof; as, when we say such a thing belongs

to his Refuer; a Judge out of his Refuer has no Authority.

But its chief ale among us is for a Court or Tribunal, where
Appeals are judged; or for a Court or Person who judges sinally
and ultimately, and whence there is no Appeal. See Courar,

APPEAL. OF

APPRIA, 69.

The Houle of Lords judge en dernier Refine, i. c. in the laft Refine.—Predicisk judge in the laft Refine, of all Crimiosh processed by the Provotis of the Martinia.

RISSORT, it also used in a Writt of Tayle or Conference, in the fame Senie as Defeni in a Writ of Right.

See Dissent, Proceedings of the Conference of the C

RESSOURCE, a Term purely French, yet used by our En gh& Writers. It fignifies a Means or Foundation of Man's recovering himfelf

from his Fall or Ruin; or an after-Game for the repairing his This Merchant has Credit and Friends fill left; he has great Refource.—His Left Refource was to throw himself into a Con-

vent.—The Jargon of a Diffinction, is the ordinary Reffuree of a Divine at a Pinch. Sciencer derives the Word from the Prenels, refundre, to refolve: A Refuner firstly and litterally, expedies a Means which prefents

REST, Quies, in Phylicks, the Continuence of a Body in the same Place: Or its continual Application or Contiguity to

For the Infofficiency of a Build of a Franchile, Reforder Sa- the fame Parts of the ambient and contiguous Bodies. See

Reft is either absolute or relative; as Place is. See Place. Some define Reft by the State of a thing without Motion; ad hence, again, Reft becomes either absolute or relative, as focion is. See MoTION.

Nilston in Sec. part FOR. Sit I flast Newton defines from or abfalve Roft to be the Continuance of a Body in the fame Part of abicluse and immoves-ble Space: And relative Roft to be the Continuance of a Body in the fame Part of relative Space.

Thus, in a Ship under Sail, relative Reft is the Continuance of

a Body in the fame Region of the Ship, or the fame Part of its Cavity.—True, or abfidure Ref is its Continuance in the fame Part of unwerfal Space, wherein the Ship with its Cavity and stents are all contain'd Hence, if the Earth be really and absolutely at reft, the Body

Hence, is the Earth be reany and associately at refs. the con-relatively at refs the Colby. will really and adjustively move; and that with that Velocity wherework the Velidi moves—But if the Motion of Gunt move, there will then arrise a real and abbolate Motion of Gunt for the Color of the Color of the Color Earth in abbolate. System (5), partly from the real Motion of the Earth in abbolate. System (5), partly from the real Motion of the Ship on the Son, its real Mection will arise partly from the real Motion of the Earth in ammovesable Spone, and gusty from the real Motion of the Earth in ammovesable Spone, and gusty from the Motion of the Earth in immoveable Space, and parily from the relative Motions of the Ship on the Sea, and of the Body in the

Reserve assessment.

Thus, if that Part of the Earth where the Ship is, more Eaft-ward with a Velocity of 10010 Parts; and the Velfid be carried by the Winds Weltward to Parts; and at the fame time a Seman stear of which with a Velocity 1 Part. The Seams will be moved about 4 of the Velocity 1 Part. The Seams will be moved to the Velocity 1 Part. The Seams will be moved to the Velocity in Introveable Space Earthwards, with 10001 really and 405/dot/pi Introveable Space Earthwards in the Parts.

Testly and amountery in intrinoversities page a statements, with a roots Patts of Velocity, and relatively on the Earth, with nine Parts of Velocity West-wards. See EARTH, "The and Xion in Philofophy, that Matter is indifferent as to Roff, or Motion. See MAYTER and Boart. Hence, See Iface Newsen Just down as a Law of Nature, that every Body perfevence in us State cither of Refs or uniform Matters."

except to far as it is diffurbed by external Causes. CC NATURE.

See NAYURE.

The Cartefine will have Famocfs, Hatchefs, or Solidity of Bodies to confid in this, that their Parts are at Roft, with regard to each other; And this Roft they elibblish as the great Nexus, or Phinciple of Cohestion, whereby the Parts are connected to-gether. See FIRMNESS, HARDWESS, 67.

Finishing the Add Confident in proposed Massing of the Day.

gedeer. See Fransensa, Hantonsies, dr., Phalitys, berg add, certifit in a perpetual Motion of the Parts, Phalitys, berg add, certifit in a perpetual Motion of the Parts, Phalitys, berg and the Parts, berg and the Parts, better Schattens. See Schrieberg for the Coffee, which, in Alternatives Verfax, in Poetry, is after for the Coffee, which, in Alternatives Verfax, in Poetry is after for the Coffee, which, in Phality Verfax is mappin, there wereas Age's in a.—The Age thereit oncer fall on a Monodylathey, whereon the Victor may not dwell; a versal for relief.

REST, in Mulick, is a Paufe or Interval of Time, during which

there is an Intermittion of the Voice or Sound. See Pause and Times. Roft are formerimes used in Mehaly, that is in Musick of a single Part. to express some simple Partion, or even for Variety takes; but more simple Parties, or nor or further takes; but more simple Marzessy, or in Compositions of several Parts, for the fake of the Pleasure of bearing one Part more making materials.

on while another reft; and this interchangeably. See Metody and HARMONY.

and H.A.MOONY. Refirs a whole Bar, or more than a Bar, or but Refir are either for a whole Bar, or more than a Bar, or but for the Part of a Bar.—When the Refi site or a part, it is expected to certain Stores corresponding to the Quantity of certain Notes of Time; as Minita, Crotcher, &r. and is accordingly called "Minisoryfi, Orderbergh, Ecc. "Minisoryfi, Orderbergh, Sec. "Medical Stores or Fagures whereof, for under Catanacrans "The Chandlers of the Chandlers of the Catanacrans "The Chandlers of the Chandlers of the Chandlers "The Chandlers of the Chandlers of the Chandlers "The Chandlers of the Ch

gether,
When any of those Characters occur either on Line or Space,
that Part is always falern for the Time of a Minim, or Crottcher,
exr-Sometimes Agy is for a Crottchet and Quart together;
or for other Quantities of Time, for which there is no puriously
Notes: In which Case the Signs of Schools are not media pools,
but tich, Selence is expressed by placing together as many Keyle
After.

our tiller stience is experied by piscing together as many Rolle.

When the Roll is for a while Bar, the Seemberer Roll is always side.—If the Roll is for a while Bar, the Seemberer Roll is always side.—If the Roll is for two Measurer, it is marked by a Line disma a-crofa whole Space.—For three Measures 'to marked by a crofal a Space and a halfy, and for four Measures accredit two powers and a halfy, and for four Measures accredit two powers and a halfy and for four Measures accredit to the control of the Roll is a second so that the Roll is a second so the Roll is a second so that the Roll is a second so that the Rol

hauly witt over the Sign.

Some of the more andern Writers in Mufick, make thele
Roft of different Values in different Species of Time—E, rr.

The Chanadzer of a Minim-Roft, in common Time, fy they,
expected the Roft of these Creeches in triple Time; in that the
Tiples by r. y. y. y. it always marks an half Mediffer, how
defined the Roft of the Roft of the Roft of the Roft

They do take may be among becomes

They always the Roft of the Roft of the Roft of the Roft

They always the Roft of the

Reft of three Quavers in the Triple 4; and that the Quaver Reft

of common Time is to equal to three Semi-quavers in the Tri-ple 's. But this variety in the Use of the same Characters, is now laid aside.

RESTAUR, RESTOR, in antient Cultoms, the Remedy or Recourle which Affarers have against each other, according to the Date of their Affarences; or against the Masters, if the Average arile through his Default, as through ill loading, want of caulking, or want of having the Veffel tight. See Assurance.

The Word is also used for the Remedy or Recourse a Person has against his Gustantee or other Person, who is to indemnify him from any Damage inflain'd.—Plence Reflaurant and Reflauratism .- In the lower Lates they also use the Words, Reflor and

RESTAURATION, RESTORATION, the Act of re-effa-bifilings or fettling a thing in its former good Effate. Thus we say, the Reflueration of a Misor to the Possession of his Effects, allegated in the Time of his Misority. In the French Laws is an action for found, used for the referring a Perior to his good Name, after he has been wrongfully accused and con-

demned

Sour and decay'd Beer and Ale are reflored various Ways.—By a handful of Wheat thrown into the Velfel, or by Salt made of the Athes of Barly-Straw, put into the Velfel and ftirr'd.

Glaster commends three or four handfuls of Beech Afres ap-plied in the fame manner.—Chalk ferancel into it, renders it drinkable immediately. The fame effect is produced by calcined Oy-fter-Shells, burnt Egg-Shells, Sea-Shells, or Crab's Eyes. See

Beer, Ales, Brewing, &c.
In England we fay, the Reflueration, by way of Eminence, for the return of King Charles II. in 1660; after the Interregnum.

The 29th of May is an Anniverfary Festival held in Commo-moration of the Reflevation: The Rest arration of Reguland Epis-copal Government. See Civil-War.

RESTAURATION, in Architecture, the Repairing of all the

Parts of a Building gone to decay, either through the Course of Time, or other Injuries; in such manner as that it is not only re-established in its first Form, but considerably augmented. See

REPAIR and REPARATION.
Tis evident from the Plinths of the Corinthian Columns the Pantheon, which are almost wholly under Ground, that the Payement of this Temple is only a Refouration made in the Time of Septimias Severas. Datviler.

The Tempte of Concord, behind the Capitol at Rome, having been burns long after it was built, and having angular Bafes dif-ferent from the reft; forms to have sheen referred from the Ruins of several antiont Buildings. Id.

RESTAURATION, in Sculpture, is the repairing of a mutilated REFLAURATION, in Sculpture, is the repairing of a muditated state, de'. See MUTLIATION, of the Groups and the Family Harnasis, the Rassus have undergone the Reflauration; as the Family Harnasis, the Family Harnasis, the Family Harnasis, the Hassus in the Villa Barghefi et Reme, The Wrettlers in the Galley at Fersibilin—but these Reflaurations through them made by the dated Sculptura. Davide: RESTINCTION, in Chymnithy, the quenching of a Metal RESTINCTION, in Chymnity, the quenching of a Metal

KED-LING-LIUN; IN CHYMRITY, the quenching of a Meed in of Mineral in found Longo; is order either to correct, or give it fome new Quality, Power, &c. See Exyrixouseiling, &c. RESTITUTION, in Palylicks, the returning of eithrick Bodies freeligh bent, to their natural State; property call'd, the Matrics of Reflication. See Eleastricty.

time of Registation. See ELASTICITY.
Contraction being the proper and natural Action of mufcular
Fibrers, fome Authors afteribe Dilatation to a Motion of Refinations, but the Experision, as well as the Idea, sare very after
See Finaxy, MURCULAR, & See Bio HEART, & RESTITUTION, in a moral and Igad Senfe, is the Act of

reftoring a Person to his Right; or of retaming something un-juilly taken or detain'd from him. See RESTAURATION.

Refluction is recipcible to communative Juffice; and till it be made, the Cafuiths determine the Party all the while guiley of heft. See Justice, Injugy, eve.

The illegal Incumbents of Benefices are condemn'd to a Refli

surion of the Frairs of the Benefices.—In the Rough Church Affarers, e.e. are obliged to a Reflication of their ill-gotten Goods, servise the Priest has no Authority to give him Absolution. See Usury.

Restitution in Integram, is used for what is otherwise called Refoffen. See Ruscission

follows. See RESISSION.
Religious Obstant Reflitation against their Yows, i. r. are freed from their Obligation, when they proceed against them within the Years of their Profettion. See Yow, etc.
In the Hillory of German for the XVIIth Censury, the first Bay of January 1644; is call of the Town of Reflitation: Because by the Peace of Minglier, then concluded, the Laubran and Calman Princes were obligated to replicate, reflect what they

had taken from the Roman Catholick Churches in their Tetritories, till that Day. RESTRICTIONS of Medals, or RESTRICTED Medals, is a Restrictions of Medals, or Restricted Medals, is a Phrase used by Amiquatics, for fisch Medals as were firmed by the Emperors, to renew or renieve the Memory of their Predeceffors. See Mynar.

Hence it is that in feveral Medals we find the Letters R F.S T. -Clauder was the first who begun this Practice, by striking afresh several Modals of Augustus. New did the same; and Titus, after the Example of his Father, struck Resistance of most of

his Profesciolers
Galhar fines, a general Reflication of all the preceding Emperors in two Medals, the one bearing an Alixy the other an Lise
Galfrestines than Reflication; is being flower units to call them
Conferentiate than Reflication; is being flower units to call them
RESTITUTIONE Transparkow, a Wirk which liky where a
RESTITUTIONE Transparkow, a Wirk which liky where a
Man is deded and continued Billiop of a Disoccie; for the Recovery of the Temporalities or Burony of the faid Biflioprice.
See Billson's TEMPORALITIES of W.

covery of the temporames.

The derected from the King to the Effection of the County,
It is directed from the King to the Effection of the County,
It is directed from the King to the Child With a camend County
for the relief of a Mine to the Children's or Sinciliary from which
he had been forced away. See SANCYUARY.
RESTITURE a firm applied to a Herios, down that flops, or
restricted of or the county for the county of the Children's the

In the Manage, a refere Florie is a rebellious, refractory, ill broken Horie; which only goes where it will, and when it will.

—The Word is form'd from the Latin, refrives, which fignifies

RESTORATIVE, in Medicine, a Remedy proper for the reftoring and retrieving of Strength and Vigour. See REMEDY.

Reflorativer belong to the Clais of Ballamicks. See BALSA-

The Medicines that come under this Denomination are of an emollient, toftening Nature, but nutritive withal; and are rather

RESTRAINT, is when an Action is hindered or stop'd, cor trary to Volition, or the Preference of the Mind. See Liber-ry, Necessity, Will, Volition, Voluntary, &c. RESTRICTION, the Act of moditying, limiting, or re-

Braining a thing to narrower Bounds.

General Laws themy bear from Refrictim—In Controlle his utilities bear to the strength of the control of the strength of aining a thing to narrower Bound

The observed of the Research Control of the Control

The Affembly was fo tumultuous that there was no knowing the Refult.—The usual Refult of Disputes, Mr. Beyle observes, that each Person remains more attach'd to his own Opinion RESUMMONS, a fecond Summons; or calling a Man to answer an Action where the first Summons is defeated, or fuf-pended by any Occasion; as the Death of a Party, co.

SUMMONE.

RESUMPTION, in a large Senie, fignifies the taking agains into the King's Hands inch Lands or Tenemener as before, upon file Suggrifion, or other Error, he lad delivered to the iter, or granted by Letters Patent to any. Man.

RESUMPTION, in the Schools, a finamery Repetition, or running over of an Argument; or of the Schelmer thereof, in order

The Respondent resumed all the Points of the Objection, and

The Refondent refused at the Points of the Objection, and mitters that one by oce. See RecareTULATION, of manifest at the point of the Point of the Objection of the Objection of the Objection of a more interface of the Refused on the Objection of a more in the in half tacket—The Mundous finds; that is, look planta. It is is half tacket—The Mundous finds; that is, look planta. It is the interface of the Objection of the Objectio

VE and Uno RESURRECTION, RESUSCITATION, the Act of returning o a new, or fecond Life, after having been dead. See Live and

DEATH.
The great Argament for the Truth of Chiffienity, and that
urged with the most Force and Convigition for the same; is drawn
from the Representation of our strong-the-free interest thereof are finels as almost admit of a Demonstration; which has accordingly been lattempted on the first? Principles of the Geometricum. See Dates as the Referencies.

metricians. See Dition on the Referrellion.

The Christians generally believe the Referrellion of the fame identic Body, the very fame Flesh and Bones at the Day of Judgment.—The two principal philosophical Objects against it are

t\*. The fame Piece of Matter or Subflance may happen to be a. Part of two or more Bodies.—Thus a lith feeding on a Mans and a Man afterwards feeding on the Fifth, Part of the Bo-dy of the fifth Man becomes first incorporated with the Fifth and afterwards in the Fifth, with the last Man. Again, features have been known of one Maris feeding immedi-acity on mochers, and mone the Causalisa of the Myl Indarctic active of the Causalisa of the Myl Indarctic

Practice is frequent

Practice is requere.

Now, where the Subtlance of one is thus converted into the Subtlance of mother, each out; and swith his whole Body; and Subtlance of mother, each out; and such as all Matter is not fit or disolect to be attinuisted to the Body, and incorporated with it.

To this Objection fines makers, they as all Matter is not fit or disolect to be attinuisted to the Body, and incorporated with it. Human Fleth may very probably be of this Kirsl, and other does what it is has earns, may be spain exceed and carried off—flow Latenary Andrew forms the more obligate—All their is effected.—All their is effected in the state of the sta what is thus exemy, sun'y be again excessed and carried off—the course of the Boyle he may, as the original Stermen, which called in the Seems of the Boyle and the Boyle and the Boyle of the sun-first Man. That we may concribe us the med minuse Special Man. That we may concribe us the med minuse Special Part Implication, and therefore out to be figurated, or tone a beautiful to the sun's proper of the s

To this it may be softwered, on Mr. Lack's Principles, that To this it may be authered, on Mr. Lack's transples, that personal lecturity or the famened of a rational Being, confits in Self-conficionfacts; in the Power of confidering it left the fame than in different Times and Places.—By this every one is to him-felt what he calls felf; without confidering whether that felf be continued in the time or divers Subfances. So far reaches the lecturity of that Person. The the same felf now it was then. and 'twas by the same self which now reflects on an Action, that

Action was performed.

Now, 'tis this perfound Identity is the Object of Rewards and Punishments, which we have observed may exist in different Successions of Matter; so that to render the Rewards and Punithments just and perment, nothing needs but that we rise again with such a Body as that we retain the Consciousness of our past RESUSCITATION. See RESURRECTION and REVIVIFI

CATION.

RETAINER, or RETEINER, in Law. See RETEINER.

TO BEZZUE, (paken of Marcs, fignises to bed), i. to to ConRETAINING-Sky, in the fift Fee given to a Serigate to
Consolier at Law, whereby to make him fare, that he hall not
be on the couranty Bode. See Fig. 18.

George, or by Wholside, and felling them out upin in frail ParChat.—Byte mi improve mostle, per similar to an parts diplandbeam. See Commence.

RETAINING NO. the All of returning like for like. See

RETAINING NO. the All of returning like for like.

TALIONIS Lex

TALOSOU Lev. TO, Physics, the AC of retarday, that is, RETARDATON, in Physics of a Roby, or of distinible and the control of the Roby of t TANCE

TANCE. With respect to different Bodies, however, the same Resistance often generate different Retardations—For if Bodies of Head and State of Stat

Bades proposed: That is, they are inventey as the Quantaness or Matter in the Bodiés, or inversible yas the Dentitive, Supposit, then. Bodies of equal Dentity, but of unequal Bolik, to more equally fast through the sime Fluid; the Refiftences increase according to their Superficies, that is, as the Squares of their Diameters; but the Quantities are increased in Proportion to the Cabos of the Diameters: the Refiftences are the Quanti-

ties of Motion, the Retardation are the Celetities arising from them; and dividing the Quantities of Motion, by the Quantities of Matter, you will have the Celetities; therefore the Retarda-tions are directly as the Squares of the Diameters, and invertelly as the Oabes of the Diameters, that is, invertely, as the Diames themfelves,

tes memories.

If the Bodies be equal, move equally fivilit, and are of the fame
Denfity, but moved through different Liquide; their Retardarfive are as the Denfittes of their Fluids. See FLUTIN.

When Bodies equally denfit, and of for But count, are carried
through the fame Liquid with different Velocation, the Retards.

tions are as the Squares of the Velocities. See DENSETY, exc.

new ète un the Squares of the Viciosias. Set Deutsery, des-tine Restated profession y negative to floides prejection. The Restated profession of the Squares of the Squares of Congrey Deutser of Congrey complexes with the Moon acquised, as in the Mannes as a filling Body is audiented, only in the one Club the Restate of Congrey complexes with the Moon acquised, as in the As the Force of Contry's in wistom, the Restated from that Congrey the Congrey of the Congrey of the Congrey of the Ast the Force of Contry's in wistom, the Restated from that Congrey of the Congrey of the Congrey of the Congrey of Ast the Profession of the Congrey of the Congrey of the Lalleg, and demandate is in the rings Body, a Body rise of the table of the Congrey of the Congrey of the Congrey of the with the Body was thrown only. See Projectivis. with the Body was thrown only to be Projectivist. which Body was thrown only to the Projectivist. which Bidge is worked designed to the Congrey of the Congrey on Theories the Fingles which Bodies thrown as well diffi-ted videologies. See Projectivist and Destate the Squares of the Projectivist of the Projectivist and Destate the Squares of the projection of the Congrey of the Projectivist in the Squares of the Projectivist in the

rent Velocities can rife to, are to each other as the Squares of the Velocities. See Properties and Dasensy. Hence the Restandature of Mocious may be compared toge-ther: For they are first, as the Squares of the Velocities, fecond-ly, as the Denfities of the Liquids, through which the Bodies are moved; thirdly, investely as the Diameters of those Bodies; latf-ly, avveiley, as the Denfities of the Bodies themsiles.

thorday, among arrenty, as the Danastate and the Color through through the Color through through the Color through the Color through through through through the Color through the Color through

to one another

General Laws of RETARDATION of Motion.

1°. If the Motion of a Body be uniformly returned; that is, if its Celerity be diminished equally in equal Times, the Space it passes over is one half of that it would pass over in the same time

paties over a core one or that a wouse personal is the same and by an uniform Motion.

27. The Spaces deferibed in equal times by an antiformly re-randed Motion; decrease according to the answer Numbers, 9, 7, 5, 3, 67.—See further under ACCELERATION.
RETCHING, or REACHING, the Effort or Endeavour to

RETCHING, or REAGINGS, the LIGHT or Endeavour to Vomit. See NATURA and VOMITION.

RETE Marabid, in Announy, a finall Plexas, or Net-work of Veffels in the Brisin. See PLEXUS and Brant. It furmounds the Glassial Platfornia, and it very configuous in Brutes, but either not exiltent in Man, or fo very minute that its Evidence. If either doubter on the Configuration of the Very minute that its Evidence.

its Existence is fairly doubted.

Wills will have it to coofift of Arteries, Velus, and Nerves;

White will have it to coolful of Arteries, Veltas, and Nervoya. Proplinged Arteries codys and others, of Arteries and Guill Veins. Proplinged Arteries only and others, of Antoniallis, their there is no Rev. Medical to, both interpretable to Dape dev. The found in Rev. Medical to, New Interpretable by Gales; who topon finds It was first clotherwood, and electrical by Gales; who topon finds the Call, Sheep, Gout, etc. It was first clotherwood, and electrical by Gales; who cope the Call of the Call of the Call of the Call of the Call were fee like; it in Moss, is, that on the Side of the Fadia tary Charlo, where its Place Bould be, the Carroid Arteries make ackadels Flexume. Horm of or. js before they potenties the Down

The use of the Rese Mirabile, Galen takes to be for concock-

Consters whole Head Stage down much, to figures state of the fragridion forces here of the files, and first them to the forfest of the files of the first them to the files of 
It was further prohibited by other Statutes of the fucceeding ings, whereby the Delanquents were subjected to make Ran-Kings, whereby the Delinquents were subjected to make Ran-form at the King's Pleasure; and Kinghts and Esquires hereof du-

to attented, were to lose their faid Liveties, and forfeit their Fees for ever.

Estuard IV. added a special Penalty of five Pounds per Month on every Man that gave fach Livery, and as much on every Per-fon for trainid, either by Writing, Word, or Oath.—But most of the Statutes are repealed by a Statute 3 Car. I. RETENTIO, REPINENTIA, inour Law Books, is fometimes

RETENTIO, REPRINENTA, inour Law Books, is formclumed to tigniff, retines. See Retribute.

RETENTION, RETENTO, a Faculty of the human Mind, whereby in order to a further Property in Knowledge, it keeps or retainst those fimple ideas which is before received by Scatilization or Reficion. See Faculty, I load, o'r.

This is done two ways—First, by keeping the Idea which is brought into the Mind for frome time actually in view; called

emplation. See Contemplation.

Secondly, By reviving those Ideas in our Minds, which have disappeared, and have been, as it were, laid out of fight: this is Messey, which is, as it were the Repository of our ideas. this is See MEMORY. Our Ideas being nothing but actual Perceptions in the Mind.

on locas being noming but actual recreptions in the Mind, which corie to be any thing, when there is no Perception of them; this laying up of our ideas in the Repeditory of the Memo-ry, amounts to no more than this, that the Mind has a Power in many Cafes to revive Perceptions it once had, with this solid-tional Perception amount to them, that it has had them before. See PERCEPTION

It is by the Affiftance of this Faculty, that we are faid to have all those Ideas in our Understanding which we can bring in tight, and make the Objects of our Thoughts, without the help of those sentiale Qualities, which first imprinted them there. See UNDERSTANDING

Attention and Repetition help much to the fixing Ideas in our Memories; but those which make the deepeth and molt latting Impressions, are fisch as coree accompanied with Pleasare and Pain.—Ideas but once taken in, and never again repeated, are fron loft; as thefe of Colours, in fuch as lofe their Sight when

The Memory in fome Men is tenseions, even to a Miracle; but yet there feems to be a conflust Decay of all our Ideas, even of those which are struck deepest; and in Minds the most Retentive: So that if they be not fometimes renew'd, the Print wears out, and at last there remains nothing to be feen.

Those Ideas which are often renewed by a frequent Return of the Objects or Actions that produce them, fix themselves belt in the Memory, and remain longest there: Such are the original Qualities of Bodies; wis. Solidity, Extention, Figure, Motion, &s. and those that almost constantly affect us, as Heat and Cold; and those that are the Affections of all kinds of Belogs, as Existence, DURBLE ARE THE ARECCIOUS OF SI KIMES OF BEINGS, SELVITENCE, DURBLES, MUMBEY; Whichhare Feldom quite loft, while the Mind recisive any Ideas at all. See QUALITY, HABITUDE, &c. RETENTION, is also used in Medicine, &c. for that Seate of Controllous in the Solids, or valeular Parts of the Body, which makes them hold failt their proper Contents. See Solid, Ves-

SEL, &c.
In this Sense Resention stands opposed to Evacuation, or Excre-

tion. See Evacuation and Excretion.

Retention and Excretion make one of the fix Non-Naturals See NON-NATURAL

See Non-NATURAL
RETERTION is frequently confidered as a Diforder; and defined
the Act of retaining the Exerements, Humours, &r. fo as they
cannot be veided out of the Body. See EXERMENT.
A Reteation of Urine is very painful and dangerous. See URINE

Tis a Resestion of percent Humours which causes such a Disease. RETIARIL, in Antiquity, a kind of Gladiators. See GLA-DIATOR

The Retians were denominated from Rete, a Net which they made use of against their Antagonist, who was call'd Secutor, Follower. See Securoras.

This Not they carried under their Buckler, and when oppor-tunity forv'd, call it on the Head of their Antagonist, and in this condition kill'd ham with a Trident which they bore in the other

Hand.

Lipfor, &c. obferve that they fought in Tunics, and were furnished with Spunges to wipe off the Sweat, Blood, &c. and to free pitch Wounds.—The Word is formed from the Latin, Ret, set; or, perhaps from Retijenslow, for they call'd their Net. Jacobs, and founderines in one Word, Retijenslow.

RETICENCY, REVIEWED, RETICENTA, a Pagure in Rec-

METICENCY, REFIGENCE, REPTICENTIA, a Figure in Rec-toric, whereby we make obligace mention of a thing, in preten-ing to pass it over cummentioned. The Record of the American Thus: To sky nothing of the Nobility of his Ancestors: I forber to (peak of his Courage, and pais over the Seventry of his Morals. See Paperpartrion.

his Montal. See Perferantion.

RETICULA. Refricture, in Althonomy, a Contrivance for the exist mentioning of the Quantity of Ecliphes; introduced as bout fifty Years ago by the Royal Academy of Paris, Ese Persians.

The Reticals is a little Frame, conditing of thetreen fine filter. Threads, equidates from each other, and Parallel, placed in the Focus of object Claffic of Telefopper; that is, in the Place where larged or the Luminary is planted, in to full Execut.—O'Con-

fequence, therefore, the Diameter of the Sun or Moon is bereby form divided into twelve equal Parts or Digits; for this to find the Quantity of the Eclipte, there is nothing to do but to Number the luminous and the dark Parts. See Digit?

Als Square Rarks is only proper for the Diameter, nor for the Circumstreament of the Luminous. This fornetunes made Carlos to advantage to the carlos and of the Circumstreament of the Circumstreame

cular, by drawing fix concentrick equi-diffant Circles, which re-

prefers the Phases of the Eclipic perfectly.

But 'is visible that the Researly, whether square or circular, ought to be perfectly equal to the Diameter or Circumference of the Stars, such as it appears in the Focus of the Glafs; otherwise

the Division cannot be just.

Now this is no easy Matter to effect, by reason the apparent Diameter of the Sun and Moon differ in each Eclipse; nay that of the Moon differs from it self in the Progress of the fame

mperfection in the Reticule is, that its Bigness is determined by that of the Image in the Focus; and of confequence

will only fit one certain Magnitude.

But M. de la Hire has found a Remedy for all these Inconve nces; and contrived that the fame Resewir shall serve for all Telefoopes, and all Altitudes of the Luminary in the fame Eclipte.

—The Principle whereon his Inventon fitads, is, that two Object-Glasses applied against each other, having a common Focus, and there forming an Image of a certain Magnitude; this Image will increase in Proportion as the Daltance between the two

wall increate in Proportion as the Dilitance between the two Galafes is noreardy, as far as a certain Lamis. If then a Retinals he taken of fach Magnitude as just to com-pendent the greated Diameter the San or Moon can ever have in the common Focus of two Object-Gaiffes applied to each other; there needs nothing but to remove them from each o-thers, as the San comes to have a lefs Dismeters, to have the 1mage ftill exactly comprehended in the fame Reviewle

Another Improvement is, that whereas the faken Threads are fubject to fwerve from the Parallelism, &c. by the different tem-perature of the Air; a Reteate may be made of a thin Looking-Class, by drawing Lines or Circles thereon, with the fine Point of a Darmond; which shall be fafe from any Alteration of the

RETICULAR Buly, Corpus RETICULARE, in Anatomy, a Body of Vettels lying immediately under the Cuticle or Scart-Skin. See CUTICLE, CV.

Their Veffels contain a microus Liquor, from the Tincture whereof Malgiph imagines the Colour of the Skin to be derived a founding his Conjecture on this, that the Cutis as well as Cuticle of Blacks, is white; and that they differ in no other Circumst from those of Europeans, but in this particular. See Negro. See also Cut's and Papella.

RETICULARIS Plenus, in Anatomy, the Choroides. See

CHOROIDES.
"Tis thus call'd because the Fibres are interwoven like a Nec.

RETICULUM, the Caul, or Ossestaw; a Name formeumes wen from its Not-like Structure. See OMENTUM. RETIFORMIS Lacis, in Austomy, the fame with Rete Mi-

radio. See Revre.

RETINA, in Anasomy, and Opticies, one of the Tunice of RETINA, in RET

Hono of a Lamborn. See Orrice Nove—When Speciated from the Choreddes, it may into a muscous Mild, or Lump. See Pariss is usually furgored on be the great Organ of Visi-can be Pariss in studied furgored on the the great of the three of the Charles of the Charles of the Charles of the three cases of the Charles of the Charles of the three cases with the Charles of the Chipe Charles where they make an Imprefilion, which is continued thereon, by the fine Cipalines of the Opin Novers, to the Seniory. See

VISION.
Indeed, whether the Retisss or the Choroides be the 'principal Organ of Vilion, and that whereon the Images of Objects are repreferced; has been much controvered between feveral Members of the French Academy, particularly Medi. Maristrs, Peopers, Persult, Mery, and & la Fire.

Administratification up for the Choroides, and was faccoaded than the Choroides.

Mentals with the Company and was focused by May, there all affects the Rights of the Rissas.

The Kritis was always judge to have all the Chanchers of the protected Open. The finance in the Young of the Reduction of Objects. It is very than, and conseporably well facilities and the research of the Reduction of

and to do the fame Office to the Retine Which the Quickfilver does to a Looking-Glafe; ofpecially in Animals wherein it is black,

does us I. Incoling-Gluff; efpecially in Azimahwhenis in Biblick, See Citoscours.

The control of the Control of the Control of Ware, M. And y concerving delighter Copinion—He roblery'd the Revision to filt-sidelizary appear out the Cocation, as well as all the control in-mours of the Dye; but the Chowolde Hill us appear distinctly, and exceeded the light yellow in the Infinitely and exceeded the light yellow in the Infinitely in the Control of Region poper Infinitument to reminisce and flow the Conson of Rays, or to receive the Images of Objects, but that the Light much paid poper Infinitument to reminisce and flow the Conson of Rays, or to receive the Images of Objects, but that the Light much paid the Conson of Rays or the Conson of Rays of Rays or the Conson of Rays or the Co

through it, and could only be fingly on the Chorolites, which therefore twould become be principal Open of Vision. He was a second of the Chorolites in Main is currently in the country of the chorolites of the Chorolites in Main is currently in the country of the chorolites of the Light final determines on it, as it intries a which in certain is there does in the black that abilities a like the large which is certain in these does in the black that thinking the chorolites of the Light final data disc into modelling and of Sight than any where clie, Now, 'in certain that the Light being recorded and shorted in a black flow, multi-exist a great in Thomason these than any where clie; and honce it is that which comes the substitute of the chorolites of the choro white ones. See BLACKNESS, &c.

The Situation of the Choroides behind the Retina is an The shillation or me choroscis behind the Remas is anotate Circumstance on its Side; M. Mery having oblived the fame Polition of the principal Organ behind a mediate Organ in the other Senfos; which makes a largey Analogy.—Thus the Carlole extended over the Sidin; is the mean Organ of Fedling; but the Carlo underrouth is the principal Organ. The like is observed in the Par. Not. of the Par. of the Par. Not. of

the Ear, Nofe, &c.
The Retina, therefore, should feem, a kind of mediate or secondary Organ, ferving to break the too ftrong Impedition of the Light on the Choroides, or to preferve it; which is the use afcribed to the Caticle.—Add to all this, that the Resus is infen-

arthrid no the Cantet.—Add to at this, that the Remain Indi-bids to the bright Dright from the modeling Solutione of the Michael Solution of the Solution of the Solution of the try femilies as ming from the Roy Meser, which is carriedy to in a great Degree. See Nixtry, Mentional, Missister, and a great Degree. See Nixtry, Mentional, Missister, and the Capta Solution of the Solution of the Solution of the proving spherical production of the Capta Solution of the Capta Solution of the Solution of the Capta Solution and the Solution of the Solution of the Solution of the Missister, and the Solution of the Solution of the Health, teeleded and the Solution of the Solution of the Missister, and the Solution of the Solution of the Health, teeleded and the Solution of the Solution of the Health, teeleded and the Solution of the Solution of the Health, teeleded and the Solution of the Solution of the Health, teeleded and the Solution of the Solution of the Health, teeleded and the Solution of the Solution of the Solution of the Health of the Solution of the Solution of the Solution of the Solution of the Health of the Solution of the Soluti

of Vision.— The Visions whereby the Senfation it left is effected, must be made on a Part more folds, more firm, and more fintepetible of a brisk Imperfition.

RETINUE, the Attendance religiouses of a Prince, or Person of Quality; chiefly in a Journey.

In Law, those Persons are faid to be of a Nobleman's Revisure who belong to him in Quality either of Servisats or Retainers, who belong to him in Quality either of Servisats or Retainers.

See RETAINER. RETTRADE, in Fortification, a kind of Retrenchment made in the Body of a Battion, or other Work, which is to be diffu-ted Inch by Inch, after the first Defences are difmantled. See

RETRENCHMENT, C'C

It usually confifts of two Faces, which make a re-entering An-. See RE-ENTERING. When a Breach is made in a Baltion, the Enemy may also make a Retirade, or a new Fortification behind it. See Bas-

TION.

RETIRED Flanés, in Fortification. See FLANK.

RETORT, in Chymiftry, a kind of crooked Mattelfs, or a
round, bellied Veffel, either of Earth or Glafs, with a flender
crooked Beak, or Nofe, to which the Recipient is to be faften-See MATRASS.

When the Returt is of Glass, 'tis usually lin'd with a Lute or Past an Inch thick; to enable it to bear the Fire the better. See RE and HEAT.

The Retur ferves to draw Spirits and Oils from Woods, Gums, Minerals, Earths, and other Matters which require a firing Fire. See Spirit, &

No. SPIRIT, 64.

The Retwr is a kind of Compendium or Improvement of the Cucurbit and Bolt-head; answency all the Purposes of both, without the Affithance of a Capital or Head, which the other frequently require. So EDIFFILIATION, 64.

RETRACTATION, the Act of unsaying what a Person had

fild, or wrote. See RECANTATION. Gallileo made a public Retrallation of his Dolfrine of the World,

statutes made a punne recreasion of inspection of the Popes.

Among St. Alonglin's Works is a Book of Retractation; where, however, the Word is to be understood in a new Senie; not as if he recented or unfaid any thing he had traight, but only treated of the fame Matter, or handled the fame Subject a fectord Time. This Senfe the Word will very well bear; being a compound of re and traile, I handle, treat of.

RETRACTION, in Austomy, the Contraction or shortening of a Part. See Contraction.

The Retraction of the Nerves takes away the Use of the See Nerve.

The Word is form'd from the Latin, retrabere, to draw

RETRACTS, among Horfemen, pricks in the Horfe's Feet, ariling from the Fault of the Farner in driving Nails that are wealt, ill-pointed, or are driven amile. See Sirox.

wests, in-position or are driven amis. See Siton.

These, unless timely prevented, fester, and prove very dangerous.—When the Farmer, in theolog, perceives the Horse to
thank at every blow on the Nail; 'tu a lign of a Retrain, and
the Nail is to be pull'd out again, which is done without any
horse.

When the Horse halts immediately after he is thod, 'tis con-cluded fome of the Nails press the Veins, or touch him in the Quick

To find where the Grievance lies, they knock the Nails round oth a Hammer, till the Horfe's thrinking upon listing a particu-

with a trainmer, on the Horiza infinency upon muning a passecular Nail, discovers the Place.

Some Farriers give this as a Rule, that throwing Water on the Hoof, the Place where he is hare will be dry fooner than any of the reft. The Places where the Horiga are most fulfully pracky are the Heel in the Fore-foot, and the Toe in the Hind-foot.

RETRACTOR, Ala Nafi, in Anstomy, a pair of Muscles, Pd also Elevator Labs Supersons. See ELEVATOR. 

riling from the Os Temporale, and fix'd to the hand Past of the rilling from the Or Jeography and INCO to the mind Jacob Cockels. See AURICLE.

But their Mufcles are fo finall in Men, that the Auricle is feldom moveable at all. See Ear.

RETRANT, in Law, is where the Plaintiff comes into Court in Perion, alone, or with the Delendant; and declares he

will proceed no further.

A Retrass is peremptory, and a perpetual Bar; and may be sleaded as fach to the Plaintiff in the fame Action for ever. RETREAT, in War, a retiring or moving back again of an

KELKEAL, in was, a retiring or moving back again of an Army, or Part thereof.

What they call a Retreat in the Armies is really a Flight; onY Flight much by Delign, and with Condact.

The Skill and Ablity of the General, is known by his Retreats, more tim his languagement.—The Retreat of ten thousand Greeks more than his languagement. under the Command of Xrappine, has been admired in all An-

To found a Retreat, Scure a Retreat, Sc.
RETREAT, or RELAY, in Masony, a little Recess or Dimination of the thickness of a Wall, Rampur, etc. in Proportion as 'tis rais'd. See WALL, &c.

The Retreat is properly the Diminution of a Wall, without Side; or the Contraction of its upper Courfes more than the Poundation.—Where the Foundation is very large, they efusily make two or three Retreats.—Parapets are always built with Retreats RETRENCHMENT, litterally signifies fomething cut off a thing,

and taken from it; in which Senie it coincides with Subfracti-on, Diminution, ex.—The Word is Franch, Retrasslement.

RETRENCHMENT, in Architecture, Carpentry, etc. in sled not only for what is cut off from a Piece when too large, used not only for water the for from a Freed When too large, in order to a better proportioning it, or fome other Convenience; but also for the Projectures taken out of Streets, publick Ways, elv., to render them more even, and in a Line.

By a gradual Retractioners of the ordinary Quantity of Food, a Man may bring himself to a great Deprec of Abeliannee. See ABSTREMENE FASTING, FOOD, elv.

The Reformation of the Calendar in 15%2, occusioned a Re-transferration of the Calendar in 15%2, occusioned a Re-transferration of ten Days which had crept into the Account more than there should have been. See Calendar.

The Frugality so much boutled of smong the antient Romanus,

St. Euressed observes, did not so much consist in a voluntary Abstinence or Retreschwent of things superfluous, as a coarse and

Abthence or Kerrentheur or trage apprintance is a Construction of the Construction of

a covering, &. See Direct, &c.

The Enemy came with Delign to oblige them to raise the Siege, but could not force the Reseaschments.

RETRENCHMENT is particularly used for a simple Retirade made on a Horn-work or Bastion; when the intended to Daspute the Ground Inch by Inch. Tis ufuelly a re-enterior

Tis usually a re-entering Angle, whose Faces Flank each other; and fortified with Ditches, Pampers, Gabons, &c. Sec Re-

afte consecutive and a bandfome Prefers. Gravairy, or Ac-RETRIBUTION, a bandfome Prefers. Gravairy, or Ac-knowledgement, given in lieu of a formal Salary or Fure, to Per-foos imploy'd in Affairs that do not fo immediately fall under Edimention, nor within the common Commerce; of Money. Those

Those who minister'd at the Altar antiently lived of Retribarisms, which they received for the Services they did the Church. But these Retributions were asterwards judg'd proper to be fix'd to precise Sums. See TITH.

But thele Kettsutions were startwards jung a proper to be not to precife Sum. See TITEL RETRIEVE, RETROUVER, to recover, get again, or repair a thinglot or diamaged. See Racovery, Reparation, or, to To Retraitive, in Falcoury, Significe to fpring or find Participes again, which have been once figurage before. See Haws-tridges again, which have been once figurage before.

RETROACTIVE, in Law—New Laws and Statutes, we fay, have no retreasflive Effect; that is, they have no Force or Effect as two twists already partid; nor can be alledged as Rules for any thing done before their Promulgation.—Their Authority

for any thing done before their Promulgation.—Their Authority is wholly as to what is to come.

Indeed we have forme Inflances of Laws that have a Retrofped, or Retrosflows, i. e. were made with experts Design to extend to things already pated.—Their we usually call Laws ex-

post facto. See Law, &c.
The Word is compounded of the Latin, retro, backwards; and ago, I act.

RETROCESSION, the Act of going backwards; more usually expressed by Retrografica or Retrogradation. See RETRO-

GRADATION, O'4. RETROCESSION of the Equinox. See PRACESSION.

MATTICOLISION OF the Equinos. See PARCELISION.
RETTOCALISION OF CLAWNS, dv. S. GRETTOGORDALTON,
CENTENDERSON, C.
CENTENDERSON

lieu of accounting 1, 2, 3, 4, we count 4, 3, 2, 1. PROGRESSION, SERIES, NUMBER, &c. RETROGRADE Verfs are fach as give the fame Words, whether read backwards or forwards; call'd also respressal Verfs, and Recorrents; fuch is,

#### Siena te Siena temerè me tannis et Annis.

RETROGRADATION, or RETROGRESSION, the Act or Effect of a thing moving backwards. See RETROGRADE

EMEC OR a luning moving backwards. See RETT-000-RADE.
RETT-000-RADE ONE, in Althrocomy is an appeared Motion of
the Filment, release the major of the throat of the
throat of the filment of the filment of the
throat of the filment of the
When a Filment moves in resplication, i. e. towered the followne Span, or according to the Crief or the Span, as from Welt to
to Tatanta, from Tatanta to Germini, Gr., that is, from Welt to
When it appears for fine The release of the Tatanta to
When it appears for fines. Duri and the firme Pointer of the IIIWhen it appears for fines. Duri and the firme Pointer of the III-

LEAR, It a man to be server. See Diggert.
When it spepers for forme Days in the firme Point of the Heavens, it is find to be Stationary. See Stationard and when it goes in Astrocoloutis, i. e. convents the annecedent Signi, or contrary to the Order of the Signs, was, from Eaft to Weth, it is also to be Retragade. See ANYECTERNIAL SHON.

The Sun and Moon always appear direct.—Satura, Japiter, Mers, Venus, and Mercary, fornetimes direct, fornetimes Statio-nary, and fornetimes Retrograds. See SATURN, JUPITER, VE-

The fuperior Planets are Retrograde about their Oppolitic with the Sun; the inferior ones about their Conjunction. S

The fupcier Planet are Revergeds share their Opposition with the sign in the infection costs show the Conjunction. See with the Samp is the effective cost show the Conjunction. See "The Intervals of Time between two Reverge administ of the Sevent Planets, are unusually as Samp via See on See 19 Days; John See 19 Days

on with the Sun, he will appear to have described the Arch OQ greater than that OL.

greater than that OL.

In this State, now, the Plantet is directly, and ag Mooles, from
In this State, now, the Plantet is directly, and ag Mooles, from
the Mooles, now that it is In Conjunction with the Sourced India,
remote from taje, quicker thank array of the Time. See Disacross.

The Earth servings at C., while Searon discribes the Arch
advanced to K., and Scienter 14, for a site Line REI pointing the
Earth and Stutten. He for force time Parallel to it follows

Earth and Stutten. He for force time Parallel to it follows

for a Searon will be for a faller time in the finare Planted or the Zoford. Searon will be for a faller time in the finare Planted or the Zoford. Searon will be for a faller time in the finare Planted or the Zoford.

disc at P, and with the fame fix'd Stars, and is therefore State-

See STATION may. See STATION.

But the Earth being come to D, and Saturn arrived in opposition to the Sun in X, he will appear in the Zodiac in Y, and will feem to have been Retragatio, or to have gone backwards through the Arch PV—Thus the Superior Planets, on Opposition to the Confession are shawe. Retragated, when in Ormoficium to the

milderations, are always Retrograds, when in Opposition to the a. See Sun, Opposition, &c.

The Arch which the Planet describes while thus Retrograde, is

called the Arch of Retrogradation. See Arch.

The Arches of Retrogradation of the leveral Planets are not equal.—That of Sature is greater than that of Jupiter; that of Jusiter than that of Mars. Sec.

RETROORADATION of the Nodes, is a Motion of the Line of the Nodes, whereby it continually thifts its Situation from East

the Nodes, whereby it commanly flatis as Stunuton from East to Well, coursey to the Covlet of the Signa; completing its Well, coursey to the Covlet of the Signa; completing to which Time either of the Nodes beving recorded from any Point of the Eligine remums to the item egypm. See Norse.

RETIMO ALDATION of the Son.—When the Sam is the torse.

RETIMO ALDATION of the Son.—When the Sam is the torse.

RETIMO ALDATION of the Son.—When the Sam is the torse.

RETIMO ALDATION of the Son.—When the Sam is the torse of the Son than the Sam is the Son than the Sam is the Son than the Sam is the Sa

ZONE.

For, draw the vertical Circle ZGN to be a Tangent to the Sun's Diurnal Circle in G, and another ZON, through the Sun in O.—"Tis evident all the intermediate vertical Circles cut the Sun's diurnal Circle twice: First, in the Arch GO, and the se-cood time in the Arch GL—Wherefore, as the Sun afceeds thro Arch GO, it continually arrives at further and furt But as it continues its Afcept through the Arch GI, it rems to its former Verticals; and therefore is feen Retrograde for fame time before Noon.

fome time before Noon.

The fame, it may be thewn after the fame manner, it does for fome time after Noon.

Hence, as the Shadow always tends the opposite Way to that of the Sam, the Shadow will be Retragrade twice every Day in all Places of the Torrid Zone, where the Sam's Declination exceeds the Latitude. See Sat now.

RETROGRADATION, OF RETROGRESSION, in the higher Geo-

ctry, is the fame with what we otherwise call contrary Flexion. e Contrary FLEXIO See Gustray Fill xxxx.

The Retrusprish of Curres may be thus essectived.—Suppose Courte Line AFK, (Tab. Grosstry, Re. 3), to be partly Counter Line AFK, (Tab. Grosstry, Re. 3), to be partly Counter Greek of the determinant Polar B; the Point F which figurants the Concave Part of the Curre from the Courve, or which makes the end to con, and the beginning of the other, is callful the Polar of onstary Elevins, when the Curve is continued from Fromwitch the first Sele as before "Nether the Curve is con-

ued backwards towards A, then is F the Point of Retrogress-See POINT and CURVE. RETROGRESSION, or RETROCESSION, the fame with

etrogradation See RETROGRADATION

Refrigoradation See RETROGRADATION.
RETROMINGENTS, in notward Hillory, 2 Class or Divifion of Animals, whole Chamclerillic is, that they finde or pist
backward; as Covus, &c. See ANIMAL.
The Word is compounded of the Latin, retre, backwards, and
mings, I make Water.

RETROPANNAGIUM, RETROPANNAGE, in our antico aw-Books, Afterpannage; or what is left when the Beafts have noe. See Pannage.

Et dibent babere Retropannogium d Peffo Sauffi Martini ufdone.

Et débent babere Retropannagium d'Refto Sautti Martini uf-que ad Eeftum Pur. Beata Maria. Petitio in Parl. temp. Edw. III.

RETROSPECT, a look or view backwards. See RETRO-

ACTIVE.

RETURN, in Law, bath two feveral Acceptations.

The one in the Return of White by Sheriffs and Baildife, which is only a Certificate made to the Court by the Sheriff, Baildiff, etc., of what is done with regard to the Execution of the Write.

Θr. of wast is done were regard to the institution of the difficult of them. See Wart.
Such alfois the Return of a Commission, which is a Ceptificate, or Answer of what is done by the Commissioners, to whom such [Commissions, Precepts, Mandates, or the like, are difficult [Commissions, Precepts, Mandates, or the like, are difficult [Commissions].

The other Application of the Word return, is in Cefe of a Re-plexing for if a Man diffrain Cattle for Rent, etc. and afterwards juffify or arow his Act, so as it is found Jawful, the Cattle be-

fore delivered unto him that was diffrain'd, upon Security given to profecute the Action, shall now be returned to him that di-

to professible the Actions, fluid now be returned to hant that distincted them. So Durragues, Ret.Part. 96.

De finished them, So Durragues, Ret.Part. 96.

De finished them to did certain Days in each Term, pocalisity for a few forms of the second to the Purificationis, eight Days after, inclusive

Purpleations, cignt Lays atter, incounte.

Eafter Term has five Reravas; viv. Quindens Pafithe, fifteen
Days after Eafter; Two Pafehe, three Weeks after; Monfe Pafches, the Days-Month after Eafter; Quinger Pafithe, the Day five
Weeks from Eafter; and Orafino Aftensons Domini, the Day after Aftension-Day.

Trinity Term has four Reserves; viz. Craftino Trinitatis, the Day after Trinary; Official Trinitatis, eight Days after, inclusive; Sumedona Trinsraiss, fifteen Days after; and Tres Trinitatis, three

Wecks atter,
Mikhaihma Term has fix Return; viz, Tres Michaih, three
Wecks siter Mikhailmas; Minfe Mikhaihn, the Day-Mooth atter
Mikhailma; Craffino Asinorano, the Day atter Ali-Sanis; Graffino Martini, the Day after Martinoan Day; Oldado Martini, cipit
Days after, inclusive; and @windona Martini, fifteen Days. See
Thins.

RETURN, in Building. A Side or Part that fells away from the Foreide of any fraight Work, is call'd the Return.
RETURNS of a Trench, in Fortification, are the turnings and

windings which run from the Lines of a Trench.

RETURNO balendo, or RETURNUM Averiorans, a Writ which lies for him who has avow d a Diffreds made of Cattle, and proved his Diffress to be lawfully taken; for the Return of the Cartle diffrain'd unto him, which before were repleved by the Party diffrain'd, upon Surety given to purfue the Action.

DIFFERS, eve.

The sime with it granted when the Plaint or Addion is reenoved by Resouters, or advatas of German, into the Court of Common and Common security, and the Default, and does not produce the Addion.

Resource in Addion.

Resource

County, or otherwise, through Default of Profecution. See RETURN, DISTRESS, REPLEVY, &c. REVE, or GREVE, in antient Cuftoms, the Bulliff of a Fran-chile or Manor; thus call'd, especially in the Western Parts. See

Hence Shir-reve, Sheriff, Part-greve, Church-reve, &cc. SHERIFF, PORTGREVE, CA. Reve is also used in antient Customs for a Duty or Imposici-

on on Merchandices imported or exported. See Dury and M. in Care derives the Word from the Latin, reserv, to ask; as being a Tribute anciently granted Princes at their Request, as

a Free-Gift.

REVEILLE, a Beat of the Drum, intended to give Notice
that is to Day-break; and that the Solders are to rife, and the
Centries forbear challenging. See Datum.

The Word is Preudy, form'd of the Verb reveiller, to 2-

The Word a Franch, formit of the Verb resours, to a much disfield.

ENEVILLATION, the Adv of severings, or making a thing belief with the Decidion or ordering hereof, was affected, and the delifter of the Extrat.

ENEVILLATION, the Adv of severings, or making a thing belief with the delifter of the Extrat.

ENEVILLATION, the Adv of severings, or making a thing belief with the Adv of the Entrate of the Markey Severing and Man from the Entrate of the Markey Courter to the Entrate the Entrate of the Markey Courter to the Entrate t publick which before was a fecret, or unknown The Revelation of a Confession made by the Confession, is adjudged in the Ramyo Charch, to describe most exemplary Pu-

The Word Revelation is used, by way of Eminence, for the

Discoveries made by God to his Prophets, e.e. and by them to the World. See Propriser. The Romanife have two huge Volumes of the Revelations of St. Bridget. See LEGEND, Vision, &c.

The Word is form'd from the Latin, revelo, of re and velan, q. d. unvail.

q. d. onvail. REFELATION, in Religion, is the Difcovery which God has made to the World by the Months of his Prophets; of certain Points of Faith and Duty, which they could not learn from natu-rial Resion Se NATURE, REASON, FAITH, for. Religion is divided into natural Religion; and Revolution, or

See RELIGION. The Chraftian Revelation is that made by Christ, and his Apo-

files, in the New Testament. See Testament.

The Jewish Revelation is that made by Music and the Pro-The fresh Revolution is that made by Asife and the Probles in the CRI Tellament. See Binath, Proventry, 6v. A late Audron observes, formewhat invisionly, that 'en the observed of the CRI Tellament of CRI Tellament of Tellament o The general Foundation of all Revelation is this, That God is pleated Man should know formething relating to himself, his as pellete twan income Anow consetting retaining to imment, and own Nature, Differnation. See, which the natural Faculties be was pleased to create him withal, could not attain to; and that, he requires some Duty or Service ar our Hands, more than what necessarily follows from the Relation we are under to him as our Creator, Preserver, &c.

Particular or occasional Revolutions have their particular Genius's, Characteristicks, and Designs—That made by Major and the Prophets, chicrity related to the Nation of the Yews, confidered as the Deformance of Abraham: Its Design seems to have been to refeue that People from their Slavery; to settle them in been to refice that People from thet Survey; io refue them a new Plantines, to give them a fet of Lawy; to new form a new Plantines to give them a fet of Lawy; to new form the people of the people o other of these Ends do all the Old Testament Propheties seem to

The Christian Revelation is founded on a Part of the Jessift. The Chriftian Kershalius is tounded on a Var. or the Jesupo.— The Melliah promided in the one, is reveral in the other. All the relt of the Jesup Revolution, which related pecullarly to the Jesup People, is bere for t-fide; and only that Part of it which was to affect the World in general, we ment that relating to the coming of the Medliah, is here built upon. See MES-

Indeed it must be own'd the Jews ever look'd on this Part as peculiar to themselves, as any of the reft: The Messiah was promised to them, it has not be their Deliverer, their Restore, —But upon the taking Place of this new Revokation, a new Scene was opened. This Part of the old Revolution, it was thewn, was was opened—I has Part or the old Kevalation, it was thewar, was all Typical, or Allogorical, and the Prophelica relating beam on to be understood in their primary or litteral Sende. The Mediah was not to be the Rechardr of the Yough Sovereignty and Liberties, which were now fallen into the Haost of the Rechardron of man, but to restore and re-establish the World, who had lost their original Rightousine is, and were become Slaves of Sin; to preach Repentance and Remillion, and at laft to fuffir Deeth, that all who believ'd in him, might not die, but have everlafting

Life.

Such is the Tenor and Defign of the Christian Revolution, which is the Evens, was for from being what is that been such that the product of the Evens, was for fire from the growth of the product of the transport of the t

The Confequence was, that the Jews denying this to be the Meliah that had been promifed to them, as not able to fee the Mediish that had been premified to them, as not able to fee the Prophecies faillifed to him, for want of the typical Mennings thereof, were generally excluded from the Privileigns of that Million which had been inpepted wholly intended for them; And had their Rain completed from the very musts whence they expediently an excluded for them; And had their Rain completed from the very musts whence they expediently an expedient of the Properties of Properties of REVELS, update. See Tives, Properties of REVELS, update. See Tives, Properties of Review of Properties of Committee 
of Courts, at certain Seasons, and in Noblemen's, & but now much difused.

MANOR, O'C

The Revenues of the English Clergy were first fix'd by King Etholosoff, Anno 855; who granted them for ever, the Tish of all Goods, and the tenth Part of all the Lands of England, free from all Socials Service, Taxes, Impolitions, etc. See

from all Scular Service, 1280, 141position, TTTH and CLERGY.
The certain Revenuer of the King of England were antiently greater than thefe of any King in Europe; and 'till the time of the Civil Wars they cropy'd in Domains and Fee-Farm Renns almost the Civil Wars they cropy'd in Domains and Fee-Farm Renns almost the Civil Wars all the confining Expenses of the Coorne. most enough to Discharge all the ordinary Expenses of the Crown, without any Tax or Imposition on the Subject.

without any 1xx or impontion on the Subject.

Upon the Refinarition, the Crown Reviews being found much altenated, and the Crown Charges increased; the Parliamens fettled a yearly Revenue of 12000001 upon the Kings for much as the former Crown Reviews fell flaer of that Shun, to be rais'd on Goods exported and imported, upon Liquors, and

to be said on Goods cryotred and imported, upon Lapours, and Free-Hearths. See Durry, cr. At the Death of King Charlet II. the Bruwar amounted to 13,003,001 fee James II. King Jesser Hills. Time, it was raird to 2,000,000 f. which was computed to be one teach of the Reversage of the whole Kingdom. At the fine time the Revenser of the King of France were computed at feren Millions Stelling; said thole of the Steres of

12 A

POLITICAL Arithmet

REVENUE, in Hunting, a Mess of Flesh, formed chiefly of a Cauter of whitish Worms on the Hesses of Deer, and occasi-

Ciadter of whitih Worms on the Hease of Deer, and occai-ming them to cash their Horns, by gnawing the Roots theteof. See Haad. Horns, &c.. The Reverse dislittld, is fast to help Women in Travel. REVENUE is also used for a new Tail of a Partridge, growing out after the lois of a former—The Revenue's in mentured by Enigets.

Thus we say, a Partition of two, three, four Fingers.

The We say, a Partition of two, three, four Fingers Revenue.

The Word Revenue is French, form'd from revenir, to return.

Whence Revenue is foundings. (find)

The worn Kennan is Hence, format from recommend to return.

Whence Reviews is format from the antient Authors for a
Return: As the Reviews of Enfire. See Returns.

REVERBERATION, in Physics, the Act of a Body repelling on reflecting another, after its unpinging thereon. See REFLECTION. In the Glais-Men's Furnaces, the Flame reverberates, or hends

ack again, to fcorch the Matter on all Sides.

Echo's are occasioned by the Reverberation of Sounds from

arch'd Obftseles. See EcHo. The Word is form'd from the Latin, re and verbero, I beat

segain. Reverberaties and Refilities refer to the fame Action; only the one to the Agent, the other to the Patient.—A political Body reverberate the Rays all around: The Refilities of the Rays does not arise from their fifthing against the folial Parts of Bodies. See RESILITION and REFILECTION.

REVERBERATION, in Chymittry, a kind of Circulation of the Flame, by means of a Reverberatory; or the return of the Flame from the top of the Furance, back to the Bottom. See

REVERBERATORY. Reverbration is of two Kinds.—The first with a close Fire; that is, in a Reverbratery Furnace, where the Flame has no Vent a-top; being cover'd with a Dome, or Capital, which repell its Action back on the Matter, or the Vessel that contains it, with increased Vehemence.

After this Manner are Refining, the Distillation of acid Spirits, e. perform'd. See DISTILLATION and RESIRING.

Reverberation with an open Fire, is that performed in a Furnice

wy waste Regifters are all open; chiefly used in or Reverberatory whose Registers are all

REVERBERATORY, or REVERBERATING Ferman, is a Chymical Furnace built close all around, and cover'd a-top with Chymical Furnace built cloid all around, and coverd a-top with a Capital cliff bids or Tille, for so not to give any Cent to the Hest or Flame, but to determine it to Reverberate or turn back from the Bidsik Work with new Force, upon the Matters placed at Bottom. See REVERBERATION. When the Fire has no Vettor of Palling a-top, 'tis a whale Re-verberatory; when the middle of the Capital to open, and only the Sche cloid, for that there is only a half Circulation of the Flame,

tis call'd a baif Reverberatory. The reperferative Furnace is chiefly used for the Fusion of Metals, and Minerals, and other Occasions where the most in-tense Heat is required, as in Aslaving, eye. Whence it is also tense Heat is required, as in Aslaying, &c. Whence it is also called the Melting Fernace, and Aslaying Fernace. See FURNACE,

RE, FUSION, ASSAY, &c.
REVEREND, a Title of Respect given to Ecclesiasticks.

See Tittle and QUALITY.
The Religious Abrood are call'd Reverend Fathers; Abbeffes, Priorelles, &c. are call'd Reverend Mathers. See Abbott, Relations, &c.

With us, Bithops are Right Reverend, and Archbithops Mill Reverend.—In Frame their Bithops, Archbithops, and Abbots, are all alike Reverendiftens's, mill Reverends. See Bishop, REVERIE, a Term purely French, yet now frequently used

in English.

It fignifies, litterally, a Delirium, Raving, or Diffraction. See DELIRIUM.
Thus we fay, 'tis an ill Sign when the Patient falls into a Re-

Hence it comes, likewife, to be ufed for a ridiculous.

ragant Imagination, Action, or Proposition; a Chimera or Vision.

—Thus we fay, Authors obtrude abundance of their Reveries upon us for fold Truths.

on us for folial Trutus.

But its most ordinary ufe among Englife Writers is for a deep, diforderly Mutings, or Meditation; equivalent to what we popularly call a Brown-Budy—Thus: A little Dutherdion I would allow; but for that continued Series of Reservies some People are guilty of, who are ever ablent from the Place where you fee them, and are never prefent any where, 'tis inexcufable. them, and are never present any where, 'as inexcuspic.

REVERSE, in Law, &c.... To Reverfe, recorfer, fignifies to undo, repeal, or make void. See REPEAL, ANNUL, &c...

The Word is formed of the Latin, re, again, and verfus,

REVERSE, of a Model. Coin. &c. is the fecond, or back-fide; in Opposition to the Head or principal Figure. See Conn. Ma-

DAL, gree.

F. Chamillers, a Jefuis, has an expects Differention on this Points, whether or no the Reweift of Medial have always a Regard to the Emperor's or Empered's whose Heads are represented on the Front Side of the Media? He says, that till of late the

Halland, at three Millions.—For more Particulars of this Kind, fee Antiquaries have made no doubt of it; but that there are now fourth Antibonatic.

REVENUE, in Hunding, a Meth of Fleth, formed chieft of a Revenue, a Revenue, a Hunding, a Meth of Fleth, formed chieft of a Revenue, in Receiving, a Ruck-Horke. See Guard, Fix-

no, &c. REVERSED, in Heraldry, a thing turned backwards, or up-

REVERSED Talos, in Architecture. See TALON

REVERSING, or REVERSING, in Mudic, the inverting of the Order of the Parts; that is, the placing of the higher Part or Trebbe, in the room of the lower Part or Basi. See Parts, Bass, Trebles, ct.

Reserving is frequently practiced in figurative Counterpoint, where the Bus ferves as Treble; and the Treble, at the fame time, as Bus; and all this, in such manner, as that the Harmomny, though very different, is yet as correct as before the rever-fing, when the Paris were in their natural Order. To know how to diplote the Paris, fo as the reverfing mayn't do any Damage, is a fecret, whereon M. Benjird has promis'd

do any Jamage, is a feares, without the designation to a Treatife expert, or Counterfugue, call'dby the Habitat, per anterial incommands, is when the Guida falls, and the other inflicted of imitating in falling, instates in rifing; or a Figure per Arfor and Tef-(m. See Assim.

REVERSION; in Law, is defined by Cole, a returning of

Lands, ev. into the Poffedion of the Donor, or his Hears, af-ter the Expiration of the Term for which they were given or

The Word has a double Acceptation.—The first is, Jus vertends are flatus Possiblems deferred, which is no more than an Interest in the Land, when the Occupation or Possession of in

The fecond is, when the Pofferfion and Effate, which was parted with for a time, cenfesh, and is determined in the Perfors of the Aliences, Affiguees, Grantees, or their Heirs; or effectually returns to the Donor, his Heire or Affigns, whence it was derived.

This is the most proper Signification of the Word, which is derived from Revertor: Es apte dei non posess Reverso Antequate reversator in facto. Littles.

The Diffirence between a Reversion and a Remainder confifta in this, that a Remainder is general, and may remain or belong to any Man but him that granteth or conveyeth the Land, &c.

to any notan but min time guaraction of the conver-see REMAINDER.

Whereby a Restricts is to himfelf, from whom the Conver-ance of the Land, o've proceeded, and is commonly perpetual, as to his Heira alfo.—And yet fometimes Restricts is contound-

ed with Remainder

co worn, Kemanocer.

For the Values of Recorptions, or Eflates in Reverfion, the little
Book of Tables for renewing and purchatiog College, and Church
Lexies, printed at Condering to 1700, and recommended by Sir
Jian Neuton, furnifies us with a very utiful Table, which theres
what one Pound due at the end of any, Number of Years to ome, not exceeding 40, is worth in ready Money, at 5, 6, 7, 10, and 12 per Cent. per. Ann.

Suppose, is required, what 11. due a Year hence, is worth in ready Money: To find this by the common Operations, the Me-thod is this.—Let 1001. with the Interest of a Year added to it, be the first Term in the Rule of Three; 1001, the second, and I /. the third; (for ss 100 /. with its Interest going on to the of the Year, is to a bare roo l. then due: So must 1 l. work its growing Interest, be to the Decrease of 1 l. at the Year end then, at 6 l. e. gr. and 10 l. per Cost. the Work will stand

As, 106 . 100 : : 1 . . 94339, or 18 s. 10 d &

110 · 100 : : 1 · · 90309, or 181. 2d. Whence it appears, that 11. due a Year hence, at 6 l. per Whence it appears, tout 11. oue a Year hence, at 0.6 per Cont. is worth 161. 10.4 ½; and at 10 per Cov. 10 187. at 0.5 So that 151. 10.4 ½; rody Money; is worth 201. to be paid a Year hence at 6 per Cov.; and 181. at leastly Money; is worth 201. to be paid a Year hence at 10 per Cov. See instrusers. But this 1 also themsess the Work.—10 find by it how no re-

new a Leafe of 21 Years, that hath but one Year lapted, at the news Leafe of 21 Yests, that thath but one 1 terr upono, 2s. the Rate of 10 per Cars; look into the fame, and under the Rate of Interest mentioned, and right against 21 Yests, in the com-mon Angle of meeting, you have 2s. 8d.; which is the Fine to be paid to renew one Year lapfed in the said Leafe; supposing the result of the results the Rent to be 14 per Annews. For it is 21 Years o're the Lease is compleated, in which time the Fine of 2, 8 d \( \), will amount to 20 s, and therefore by paying that Fine, the Lease may fairly be made up again.

Secretary and the second secon

A TABLE of Reversions shewing what 1 l. due any Number of Years hence, under 41, is worth in ready Money at 5, 6, 7, 8, 10, and 12 l. per Cent.

| Ye       | 5 per Cent. 6 per Cent. |             | 7 per Cent.   8 per Cent. |             | 10 p. Cent.   12 p. Cen |                         |  |  |  |
|----------|-------------------------|-------------|---------------------------|-------------|-------------------------|-------------------------|--|--|--|
| cars.    | s. d. q.                | s. d. q.    | s. d. q.                  | s. d. q.    | s. d. q.                | s. d. q.                |  |  |  |
| ī        | 19 0 2                  | 18 10 1     | 18 8 0                    | 18 60       | 18 2 0                  | 17 10 1                 |  |  |  |
| 2        | 18 1 2                  | 17 9 1      | 17 5 2                    | 17 13       | 16 6 r                  | 15 11 1                 |  |  |  |
| 3        | 17 3 1                  | 16 9 2      | 16 3 3                    | 15 10 1     | 15 0 3                  | 14 3 0<br>12 8 2        |  |  |  |
| 5        | 15 8 0                  | 14 11 1     | 14 3 1                    | 13 7 1      | 12 50                   | 11 40                   |  |  |  |
| 6        | 14 11 0                 | 14 1 0      | 13 4 0                    | 12 7 0      | II 3 2                  | IO 1 3                  |  |  |  |
| 7 8      | 14 2 2                  | 13 3 2      | 12 5 1                    | 11 80       | 10 3 0                  | 9 0 3                   |  |  |  |
|          | 13 6 1                  | 12 6 2      | 10 10 2                   | 10 9 2      | 9 4 0                   |                         |  |  |  |
| 10       | 12 10 2                 | 11 20       | 10 2 0                    | 9 3 0       | 8 5 3<br>7 8 2          | 7 2 2<br>6 5 0          |  |  |  |
| 11       | 11 8 0                  |             |                           | -           |                         |                         |  |  |  |
| 12       | 11 0 0<br>11 1 2        | 9 11 1      | 8 10 2                    |             | 6 4 2                   | 5 9 0<br>5 1 2<br>4 7 0 |  |  |  |
| 13       | 10 7 1                  | 9 4 2       | 8 3 2                     | 7 40        | /5 9 2                  | 4 7 0                   |  |  |  |
| 14       | 9 7 2                   | 8 10 0      | 7 9 0                     |             | 5 3 0                   | 4 1 0                   |  |  |  |
| 1        |                         |             |                           |             | 4 9 1                   | 3 7 3                   |  |  |  |
| 16       | 9 2 0 8 1 2             | 7 10 2      | 6 9 1                     | 5 10 0      | 4 4 I                   | 3 3 0                   |  |  |  |
| 17       | 8 40                    | 7 50        | 6 4 0<br>5 II 0           | 5 4.3       | 3 11 1                  | 2 11 0                  |  |  |  |
| 119      | 7 11 0                  | 6 70        | 5. 6 1                    | 4 7.1       | 3 30                    | 2 4 1                   |  |  |  |
| 20       | 7 6 1                   | 6 2 3       | 5 2 0                     | 4 3 2       | 2 11 2                  | 2 I O                   |  |  |  |
| 21       | 7 2 0                   | 5 10 2      | 4 10 0                    | 3 11 3      | 2 8 2                   | 1 10 0                  |  |  |  |
| 22       | 6 6 0                   | 5 6 2       | 4 6 0                     | 3 8 0       | 2 5 2 2 2 2             | 1 8 0                   |  |  |  |
| 24       | 6 2 1                   | 4 11 1      | 3 11 1                    | 3 4 3 3 1 3 | 2 2 3<br>2 0 I          | I 5 2                   |  |  |  |
| 25       | 5 10 3                  | 4 8 0       | 3 .8 1                    | 2 11 0      | 1 10 0                  | 1 20                    |  |  |  |
| 26       | 5 7 1                   | 4 4 3       | 3 5 1                     | 2 8 1       | 1 80                    | I 0 2                   |  |  |  |
| 27<br>28 | 5 4 1                   | 4 1 3       | 3 2 2                     | 2 60        | 1 6 I                   | 110                     |  |  |  |
| 28       | 5 1 0<br>4 10 I         | 3 10 3      | 3 0 0 2                   | 2 3 3 2 1 3 | 1 4 2                   | 10 0                    |  |  |  |
| 30       | 4 7 2                   | 3 61        | 2 7 2                     | 1 11 3      | 1 1 3                   | 90                      |  |  |  |
| 31       | 4 5 1                   | 3 3 1       | 2 5 1                     | 1 10 0      | 1 10                    | 7 0                     |  |  |  |
| 32       | 4 2 1                   | 3 0 2       | 2 3 2                     | 181         | 11 1                    | 6 I                     |  |  |  |
| 33       | 4 00                    | 2 10 1      | 2 1 2                     | 1 6 3       | 10 1                    | 5 2                     |  |  |  |
| 34       | 3 9 2 3 7 2             | 2 8 3       | 1 10 2                    | 1 5 1       | 9 I<br>8 2              | 5 I<br>4 2              |  |  |  |
| 40.00    | -                       |             | -                         |             |                         | -                       |  |  |  |
| 36       | 3 5 1                   | 2 5 1 2 3 2 | 1 90                      | 1 3 0       | 7 3<br>7 0<br>6 s       | 3 1                     |  |  |  |
| 37<br>38 | 3 1 2                   | 2 2 0       | 1 7 2                     | 1 10        | 6 1                     | 3 0                     |  |  |  |
| 139      | 2 11 3                  | 2 0 0       | 1 50                      | 1 0 0       | 5 3                     | 3 0                     |  |  |  |
| 40       | 2 10 0                  | 1 11 0      | 1 40                      | 0 11 0      | 5 1                     | 2 2                     |  |  |  |

REVERSION of Series, in Algebra, is a Method finding of a natural Number from its Logarithm given; or the Sine from its Ark; or the ordinate of an Ellipsis from an Area given to be cut off from any Point in the Axis. See Seaths. See also Loga-

RITHM, SINE, ORDINATE, &c.

RITHER, SINE, ORDINATE, or,

REVERT, in Lucy, a ting is died to record when it returns

REVERT, in Lucy, a ting is died to record when it returns

All Hancours, and Royal Rets, allements record to the Convey,

and Intensors, are Royal Rets, allements of younger Sons of

Kings, we gentred on Confidence of Reveryline. See Aransassar,

REVIEW, when the five or Appearance of a Body of

Seddiers sunged in form of Brarley, and asterwards made to file

Old, so fee il due Companios be compelents or to receive their

Pay, &r.
The General always Reviews his Troops before they go into Winter-Quarters, &c. See QUARTER.
REVIEW, in Chancery.—A Bill of REVIEW is, where the Caufe

has been heard, and the Decree ign'd and enrell'd; but fome Error in Law appers in the Body of the Decree; or fome new Matter discovered in Time after the Decree made. See Dr. CREE.

This Bill is not exhibited but by Leave of the Court. BILL, CHANCERY, &c.

REVIVOR, in Law.—A Bill of Revivor is where a Bill bas been exhibited in Chancery against one who answers; but be-

fore the Cause is heard, or at least before the Decree is enrolled, one of the Parties dies.

one of the Parises dies.

In this Cade, a Bill of Revivus must be brought, to the End
the former Proceedings may stand revived; and the Cause be si-nally determined. See Brit...

REVISE, among Printers, a second Proof of a printed Sheet.

REVISE, among Primers, a feroud froot of a printen aneat. See Passyrison, and Revised Passyrison, in Chymilty, the Area of reliating a maried ladey on as find Soner, start is that leave and the seed of the properties of the seed of the seed of the Thins Climather and other Preparations of Mercury, are resi-ting of the seed MERCURY.

Gold, and other Metals, 'ris faid, may be recovered or review-Golds, and other Metals, 'tis faish, may be recovered or reverse field into running Mercury, by the use of certain Salss, which penetrating the Subflance of the Metals, abioth the fixing Sul-pher or Cement by which the Marcury was before bound into a milkinghi Milk. See METAL GOLD, 6th. REVIVING, in Law, a renewing of Reats and Actions, af-ter, their had hear antisended on Party. REVIVINGS.

ter they had been extinguished. See RENT, EXTINGUISH-REVOCATION, in Law, the Act of revoking, calling back, or annulling a Power, Grant, elv. made before.

The

The Reversion of an Offer after it is accepted of, is invalid.—
All preceding Wills or Testaments are revoked by the last.—A
Prior Claustral is revokable at Picasure.—The Revocation of the

Edict of Names was facal to the French Protestants. See EDICT-REVOLT. See REBELLION. REVOLUTION, in Politicks, is a grand Turn or Change of

There are no States in the World but have undergone frequent Revolutions.—The Abbot de Forest but furnished us with two or three good Hilbrits, of the Revolution of Sunder, the Revolution of Revolution of Sunder, the Revolution of Revolution of Revolution of Revolutions of Re

three good Hiltones, or the revolutions of works, tex-trises of Reess, six used by Way of Eminence, for the great Turn of Affairs in England 1688; when King James II. ab-dicating, the Prince and Princes of Orange were declared King and Queen of England, &c. See Addication.

The Word is found from the Latin, re-owled, to roll back-

REVOLUTION, in Geometry. The Motion of any Figure quite round a fix'd Line, as an Axis, is called the Revolution of that Figure; and the Figure to moving is faid to Revolut. See

Axis.

Thus a right angled Triangle revolving round one of its Legs.

Thus a right angled Triangle revolving round one of its Legs. as an Axis, generates by that Recombines, a Cone. See Cont...
REVOLUTION, in Aftronomy, is the Period of a Star, Planet,
Comet, or other Phenomenon; or in Courfe from any Point
of its Orbit, till it return to the fame. See Planet, Period,

The Planets have a twofold Revolution; the one about their own Axis, ufually called their Diamed Retation, which conflitutes what we call their Day. See DIURNAL and DAY

The other about the Sun, called their Annual Revolution, or The other about the Sun, called that Annual Revalution, or Provise conditioning the Inn. See About And Yasa. Startus, according to Keyler, makes the annual Revalution in the Space of a 30 Kern. 13p. Days, a 150ms, 157 and 150ms, 150

00

In very dangerous Wounds, where the loss of Blood is great, d the itopping it speedily enough, impracticable; his usual to and the stopping it speedily enough, impracticable; 'tis usual to open a Vein in iome remote Part, to cause a Revusion; that is, to turn the Course of the Blood storn the former Part. See

PHILEBOTOMY. Retultion are also caused by Cupping, Friction, &c. Curreling and Friction.

The Term Revulfes is also used for a great Tarn or Revulfes of Humons in the Body.—Sadden Disases are occasioned by great Revulfess of Humons, which shi all at once on certain Patts.

RHABDOIDES, \$in Anatomy, a Name given the fecond true Suture of the Skull; call'd also the Sagettal Sature. See

SUTURE.
The Word is form'd from the Greek, pinto, Rod, or Staff,

and solo, form.
RHABDOLOGY, in Arithmetick, a Name fometimes give to the Method of performing the two most difficult and operate

Rules, viz. Multiplication and Divisions by the two easiest, exa Addition and Substraction; by means of two little Rods or Lamine, whereon are inscribed the simple Numbers, and which are to be shifted according to certain Rules Their Rods are wint we popularly call Nover Boom, from their Inventor, a Sooijo Baron, who likewife invented Loga-

virhme. For their Deferiotion and Ufe, for NEPATRS-Bowes.

RELABDOMANCY, an antient Method of Divination, per-form'd by means of Rods, or Staves; whence its Name, from the Greek plants. Rod, and pulseross, Divination. See Divi-

St. Frees makes mention of this Kind of Divination, in his Commentary on Hofish, Chap. iv. 12. where the Prophet fays in the Name of God, My People ask Council at their Stacks; and their Staff declarath unto those: Which Passage that Father understands the Greetan Rhakdomaney

The fame he finds over again in Eachiel xxl. 21, 12. where the Prophet says, For the King of Babylan flood at the parting of the Way, at the Head of the two Ways, to use Divination; he made the Arrows bright: Or as St. from renders it, he mix'd his Ar-rows, he confulfed with Image, he look'd in the Liver.

If it be the fame Kird of Divination that is mentioned in the

two Passinges; Rhabatemany must have been the fame Super-fition with Beliausery. See BELOMANCY.

In effect the two are ordinarily confounded.—The Seventy themselves Translate the Tart of Eachiel by feight, a Rod; though in firtchness it fignify Arrows.

This, however, is certain, the Infiruments of Divination mentioned by Huffieb, are different from those of Exchel. In the former, its TND, etc., 17923, sealth, his Wood, his Staff: In the

latter TISO, hhisfor, Arrows. Though 'tis possible they might use Rods or Arrows indifferently; the military Men Arrows, and the reft Rods.

Trapparts by the Laws of the Frifines, that the antient Inhabitants of Grossey perkiced Rhoholessary.—The Sythassa were likewise aquanted with the use berrof; and Hreshira observes, like W. That the Women among the Allow longit and gathered together fine Bright Rods or Wands, and used does in the like the Sythassa was a superior and the state of the Stat

perficient. RHAGADES, in Medicine, a Greek Term used for the Chaps Clefts in the Lips. See Lips.
Ringgapus, are also a fort of little chap'd Ulcers of the Or-

demators kind; formed of a litery, filine Hamour, and occasioning a great Contraction, and threightening of the Part, which is by this means finited up like a wet Parchment when held to the Fire. See Oznemayous. They arise chiefly on the Fundament, the Neck of the Womb.

the Prepatism, and even the Mouth; in which last Case the Pa-tient is not able to speak, chew, or the like.

turit is not able to speak, cheek, of the size.

They are formediment mostly, and of a sunccross Nature, earing deep, and difficult of clare, but are more commonly of a less former, and difficult of Courte, but are more commonly of a less former, or the size. See TEMOS, U.C.S.R. of "RHAGOLDES, in Announcy, the focood Cost, or Tunic of the Eye; more enails call'd the Uwas. See Uvas. It has in Name Rhigasher as refembling a Grape-Rome. In this is the life call'd the Pyerl. See Perul.

the Eye instea summer and an infamility a Gippe-front.

In this best like call the Payl. See Pryrit.

RHARONTICUM. a medicial Koo, in form reRHARONTICUM, a medicial Koo, in form refrequency mird with Rhabarb by those who find that Drug

and the Companies of the Mouth, leaves a Vifeidity behind it, which Rhubarb does not. See Rhubars.

The fearcity of the Rhapontium of the Levant, occasions the Mountain Rhapontium, or Mank's Rhabark, to be frequently sub-

Rituted for it, which is a wild Hypolopathum.—They are deftinguith'd by this, that the former is yellow without, and reddish within; but the latter blackish without and yellow within. Dr. Quisty, however, confounds the two, when he fave,

Rhapostices grows plentifully in England; and that 'tis only nfed as an Alterntive, and does not come up to a Cathertic.

The certain, what now obtains in the Shops, under the Name of Rhopsettem, is no other than the Mountain Rhopsett, or Monk's Rhabarb; and is much inferior in Virtue to the Rhopset. ticara Verune.

and review.

The Relayoutions was thus call'd, g. d. Root of Fantar; benate chiefly produced in the Country of Fastar, in Affair,
RELIARSOUL, RELAZORETY, in Arthority, Ferfors who made
Bedinards of faging Process of Haur's Forms.

Caper informs in, that the Relaxofab were cloath'd in red when

They perform'd on the Thearres; and fornetimes for Prizes,

Contents of Poetry, Singing, &c.
After the two Amagonitis had finished their Parts, the two Pieces, or Papers they were wrote in, were joined together again; whence the Name, viz. from form, fin, I join together; and Ode, Song

But there must have been other Rhopfad of more Antiquity than there; People who composed Heroic Poems, or Pieces in Praise of Heroes and Great Men, and lung their own Compositions from Town to Town for a Livelibood: Of which Proteinen
was Hener himself.

Hence, fome Criticks inftesd of the former Derivation, fetch Rhapfady from \$44th days, to fing with a Lauvel Red in the Hand, which it feems was the Badge of the Primitive Rhap-

fail. Philideway, appin, deriver the Word from Jehress nême, to pro-mer Pero y Perry to be empfylia, to if they were not be char-pered to the property of the property of the design inclines, reducer their Belogies to the first, Karl.—The size of probable that they were all of the fame Clafe, whethere Jiblia-siem form Anabors may Irangire; and that their Balinesi was to drag or refusal? Forms, either of their own, or other People's or the property of the property of the property of the Perom. So the we're's arranged as synthing to please, to fee Composition, as might bell serve their Furpois, the getting of a Penory. So that we don't apprehend it any lings to them, to fet them on the Foot of cur Ballad-singers; many of whom, so doath, Pen their own Dritis. After Harwit Time, 'this own-ear they confined themselves altogether to his Pieces, for which the Proople had the atmost Veneration: Nor is it surprising they should preof Sugges, dr. and Distract the Poince of Recitation.

in Fairs and Natistets
RHAPSODOMANCY, an antient Kind of Divination performed by pitching on a Paffage of a Post at hazard, and reckoning on it as a Prediction of what was to befall. See Divi-NATION and CHANCE.

There were various Methods of practicing Rhapfadaeaus;

Sometimes they wrote feveral Verfes or Sentences of a Poet, on so many Places of Wood, Paper, or the like; shock them together in an Uro, and drew out one, which was accounted the Lot.

Sometimes they cast Dice on a Table, whereon Verses were wrote; and that whereon the Dye lodg'd, contain'd the Prediction A third Manner

discion. Manuer was by reaching. Bood and findings, the proceedings of the control of the contro

blage of Fattages, I noughts, and Authorities, raisen together runal divers Authors to compose forme new Prece—Lapara Politicke make fach a Réagody, wherein there is nothing of the Author's own, but Cronjunctions and Particles.

RHETORICIANS, a Sect of Hereticks in Egypt, denominating the company of the C

nated from their Leader Rhetorius

The diffinguishing Doctrine of this Herefurch, as represented by Fhilastrius, was, that he approved of all the Herefies before him; by Penajirus, was, rate in approved or an use received source and and toght that they were all in the right. What Philaftrus mentions of him appears to ahlard and triticulous that St. Asylin, Hartz., received not perfusely himself it was true. REHETORIC, REPROVERS, the Art of flexibing copioully on any Subject, with all the Advantages of Beauty and Force.

Net SPRANNG.
My Lord Basew definer Rhetarit, very Philosophically, the Art
of applying and addressing the Dictates of Reason to the Fancy,
and of recommending them there, so as to affect the Will and
Defines—The End of Rhetary, the fame Audior observes, in to
fild the Imagnation with Ideas and Images which may affait Namental and applications of the Rhetary affait Na-

and De Imagination with access and Imagina water unit management, without operating it.

Subject defined Relevant the Faculty of discovering what every Subject attitude of us for Perfaision—Hence, as every Author multi-wave Argument to make his Subject prevail; a slogiet tools when the subject attitude on give them for the properties of the properties of the subject attitude of the subject attitude on give the subject attitude on the Subject; and, sit is the properties of the subject attitude of the subje Decency and Force which may firste the Resider: Rhoteris be-comes divided into four Parts, Investion, Diffastion, Election, and Prossociation; each whereof fee under its proper Head, In-VENTION, DISPOSITION, ELECUTION, and PROMINITIAN

Sc. FLUXION and DEFLUXION.

COLD. Rbraws falling on the Breast, Lungs, &c. are dangerous; othera, not very violent, serve to clear the Head, &c. The usual Remodles are Altringents, Agglutioants, and Abforbents. See

medies are Attragenes, Agguarants, and Alexandra.

ATTRINOSTIN, de.

The Word is formd from the Greek, else, flaw, I flow.

RHEUMATISM, in Medicine, a panial Difender felt in various Parts of the external Body, accompanied with Heavines,

Difficulty of Motion, and frequently a Pever.

Or, a Rehumatific in a Pain infusily undering, but formetimes

field in the mufcular and membranous Parts of the Body; haprening chiefly in Autum

reining chiefy in Austum.
The proper Seat of the Resumatifus is supposed to be in the Membrana Communis of the Muscless, which it renders rigid and unit for Monon without great Pales. See Mismanam.
This Diffusi is either universit to particular—Diversity Resumatifus in that which actuels all the Parts of the Body, even the

internal ones Particular Rhouwarifes is that which is confined to particular Parts: In which Case the Pains are ofusily eratic, patting from one Side to another; but formetimes fix'd, call'd allo a wisely and

The Rhennarifis bears a great Amlogy to the Gout; whence fome call it the univerfal Goat.—The Difference between them confifts in this, that the Rhennarifis attacks not only the Joints, as conflis in this, that the Resement of a traces not only the Joints, as the Gout does, but allo the Muclica and Membranes between the Joints. See Gotur.

A Fit of the Resement of the frequently preceded by a Four of two or three Days; and formetimes by a Shivering.—The Assack lappeas in various Parts or the Body, as the Fiscals, Arms, Thighs, Logs, Feet, etc. a Recheck, Swelling, and Lamented Co.

ten facceeding

ten incorcomp.

The Pain fometimes fixing on the Loins, and reaching as far as the Or Sarvany the Different is call'd Lambage; and bears a near retemblance to the Najorini; being only differing pointable thereform by this, that the latter is attended with a Vormaing, which the

formes in Men. In furpide to selfs from a flarp Zerous Har-The Réhament de Bendes Poss. The Relation of the Part of the The Réhament de Bendes Poss. It is proceed from the Latin of the in Velentian—Dr. glassy fiys, is proceed from the latin of the activation—Dr. glassy fiys, is proceed from the latin of the process of the Part of the Part of the Part of the Part of the Dr. Adiptivat takes it to be excellented by a thray is claim. Dr. Adiptivat takes it to be excellented by the Part of the Unest or Homson's Proceed care on either do how a thirt on Part Unest or Homson's Proceed care on the did how a thirt of the Hence, he concluders, that the Six is restulled in the Blood insplicated and embarried in the Parties j. by which means as format National Works occlosed the Farin and Tromonous of

the Rheumatifin. The exputing of the Body too fuldenly to the cold Air, after having heared it to a great Degree; is the most usual remore Cause.

The Care is by Evacuation, charshy, according to Systemens, by repeated Phiebotomy, with a plentiful Use of Voluntes and

Schwitzer recommends Suderificks; and Mafgrave, Cathar-ticks, and Emericks.

It usually proves a tections, latting Difease; holding for several Months, sometimes Years; not continually but by Parox-

In aged Perfons, and those of weak Constitutions, and de-In aged Perifors, and those of week Conflictations, and de-cayd Viferas, it formetimes fefers the Head. RHEXIS. or RHEOMA, among Occulitis, a Rupture of the Cornes of the Eye. See Cornea.

The Word is form'd from the Greek Fifts, rupture, of primare,

range. I break.

Pango, 1 oreas.

RHIME, RIME, or RHYME, in Poetry. See RHYME.

RHINE-Land-Rod, in Fortification, &c., a Measure of ten
Foot, call'd also Decempeda, &c. See Measure, Foot, and

December 2.

REINE Green, in Grouwy, a Court Paisine of the Rhine.

REINE GROW, and Palantze.

See GROW and Palantze.

REIODON, in Hearmary, from che, Ref a Name price

REIODON, in Hearmary, from che, Ref a Name price

to form Compositions wherein the Refs is the chief Imprehent; as

Dartzelose. See Datarsenony, and Super of Reion Co. See Rost.

REIOMONIA DEL STANDAND CO. See Rost.

REIOMONIA CONTROLLED CONTROLLED CO. SEE CO. SEE CONTROLLED CO. SEE 
Sides and Angles are unequal; but the opposite ones equal. See Or, Rhomboides is a quadrilateral Figure, whose opposite Sides Of Ameles are equal; but is neither equiliteral nor equingular.

Such is the Figure NOPQ; (Tak. Geoscier, Fig. 24-)

For the Method of finding the Area of a Rhowlooder, fee

**R**номвия. RHOMBOTDES, in Anatomy, a Muscle, thus called from its Fi-

REMOMBRATIONS IN PARAMETERS, SAME CARROLLES AND ENGINEER FOR THE RESULT OF THE RESULT

berker heiny into the whose brain of the Scapula, which is draws backwards, and a little upwards. RHOMBUS, in Geometry, an obliquingular Parallelogram; or a quadrilateral Figure, whose Sides are equal and parallel; but the Angles unequal, two of the opposite ones being obtuse, the other two scure. See Figures.

other two acure. See Floures.
Such is the Figure ABCD, 7th, Geometry, Fig. 82,
To find the Area of a Remains, or Remainser.—Upon CD,
which is her adlituned as a Bais, lee full a perpendicular AE,
which will be the Altitude of the Parallelogram: Multiply the
Bafe by the Altitude, the Product is the Area.
Thus, if CD be 456, and ADE = 234; the Area will
be fround rotory.

Thus, II Car to \$\infty\$ quy, we see the found 100 fpc.
For it is demonstrated the no chlique supdar Parallelogene is
For it is demonstrated the no chlique supdar Parallelogene.
For it is demonstrated the no chlique Carlo, and of the fance
Activacy Carlo, (See Parattantone) the Bale into the Albridge CEs. (See Parattantone) the Bale into the Albridge
Forestone the Area of an oblique palar Tringgle is equal to the
fance. See Riceranolia.

The World is found of the Great Highen, of public, to inThe World is found of the Great Highen, of

The Word is Regards.

Rithmus, among Surgeons, is a fort of Bandage of a Rhans-loaded Figure. See Bandance, and the Anzientin a kind of Verfer RHOPALIC Verfer, among the Anzientin a kind of Verfer which

like them begins with a flender tip, and grows bigger and bigger to the Head.—Such is that Verie of Hover.

E' palme 'Arpide panerymis, in Subilian.

And this Latin one,

## Spes Deus aterna est stationis Conciliator.

RHOPOGRAPHI, in Antiquity, a Name given to certain Painters, who confined themselver to low Subjecks; fach as Animals, Plants, Landships, 6vr.

The Title was also given to such as cat Figures of Men, 6vr. in Box, Phaleris, Yew, 6vr. in Gradess.

The Word is formed from the Greek gross, Toys, or odd.Ware,

and yesse, I write, I paint.
RHUBARB, a medicinal Root, large, compact, and heavy;

REVUEAUM, a meeulent Root, large, compacé, and heavy; yellow without, or a Numey Colour winlin, an altringent. In-tentile Talle, and in agreeable, incentale Storell. O' giest use in the consideration of the control of the control of the Condificing to memby U' Ge of this Dung, 'tsi Inpetiting we thread I now fol little of the Flace where the Plane grows that the Control of Rastan, in the Everenties of India, others, that 'the found in the Pro-vision of X-100 and Indians in Class. Others with Invest Costy response of X-200 and Indians in Class. Others with Invest Costy

grow in Perfa; and others on the Confines of Mafeevy; deriving its Name from Rba, the River among us called Voltas, and Barbarson, q. d. Root found by the Barbarians on the River Rha.
Rhabarh, in Latin, Rhabarharan Officinarum, was not known

it is not the real shadow. See Radawsians, which indeed ordenshes it is not the real Radawsia. See Radawsia 2000.

Good Radawsia theoryd in Water gives it a Suffice Coloney, and when brooks, looks ingite, with formswhat of a Vernous Cada-Some Drugodis have the Art of renowing their old Rocketty giving them yallow hate; but the Colone it earliest handware the Radawsian See Suffice Colone in the Radawsian See Sufficient to the Fingers.

Related's is cleared an expendent and the Radawsian See Sufficient them.

Rhubarh is effected an excellent Cathartic; proper for a Diar-

shees, to fortify the Stomach, and to create an Appetite.

M. Basian informs us, in the Memoirs of the French Academy,
that he drew Extrachs from Rhubarb both with Water and Spirit that be drew Extracts from Rhinkshi both with Water and Spirit of Wine; but the purgative Writto, be first, was much more vi-fible in the former than the latter; which shews that it confide more in a Sait then an Oil.—He obstreve, however, that Rhi-kar's taken in Subtlance, has a fall better effect; and adds, that of all the Operations he could make with it, none gave any Credit to the common Opinion, which skirbes an altringent. Quality to it

Monks RHUBARB. See RHAPONTICUM.

RHUMB, or RUMB, or RUM, RHOMBUS, in Navigation, a vertical Circle, of any given Place; or the Interfection of a Part of fach a Circle with the Horizon. See VERTICAL. Rhumbs therefore coincide with Paints of the World, or of the

Horizon. See Point and Horizon.

And bence the Mariness diffinguish the Rhumbs by the fame Names as the Points, and Winds. See Wind.

They ufully reckon 32, Rhumbs's which are reprefented by the 32 Lines in the Role, or Card of the Compass. See Coast-Audio defines a Rhomb by a Line on the terrestrial Globe,

Sea-Compas, or Sea-Chart, representing one of the 22 Winds which serve to conduct a Vessel —So that the Reumb a Vessel which ferve to conside? a Veill—So flas the Rebus a Veilla-purfies a conserviry as Rates or Gard. See Coursac, the subset Rebus and Rebus and Rebus and Rebus and Rebus and subset Rebus and Rebus and Rebus and Rebus and Rebus and Rebus continued to the Rebus and Rebus and Repub and a 20° yet from the The Shorther Rebus subset on April 20° yet on the for-mer—The Shorther Rebus subset on April 20° yet on the new April 20° yet on the Rebus and Rebus and Rebus and Rebus A Table of the Rebussion, or Points, and their Dillance from the Meritalian, for most the Article Venton, and their Dillance from the Meritalian, for most the Article Venton, and their Dillance from the Meritalian, for most the Article Venton, and their Dillance from

RHUMB-LINE, or LOXODROMIA, in Navigation, is the Line which a Ship keeping in the time collateral Point or Rhamb, de-

which a simple techniq is the finite counters Fort or known, de-failed, throughout its whole Course. See LOXORDOMIA. The great Property of the Rhomb Lien, or Laxadrenia, and that from which some Authors define it, is, that it cuts all the Meridians under the fune Angle See Miniphas. This Angle is call'd the Angle of the Remain, or Loxodrenia

Angle. See ANGLE.

The Angle which the Rhumb Line makes with any Parallel to the Equator is call'd the Complement of the Rhumb. See Com-

Nature and Origin of the RHUMB-LINES.

An Idea of the Origin and Properties of the Rhumb-Line, the great Foundation of Navigation, may be conceived thus.—A

which began with Mesofinishes, and were constant in Words Verfield beginning in Counte, the Wird whereinth is distra-proving gradually looper and longer to the fall, which was the marks a coram Angle with the Settlement of the River, most longest of all. See Varsus.

They had their Mones from the Green's greatly, a Clab, which, is makes the time Angle with the Medicals which the World in the Counter of the World in the Counter of the World with the World in World the lime Angle with the Medicals which the World in the Counter of the World in th

Supposing, then, the Wind to continue the same, as each Point or Instant of the Progres, may be esteemed the Beginning; the Vessel always makes the same Angle with the Megaining, the Place where it is each Moment, or in each Point of its Courfe, which the Wind makes.

Now, a Wind, e. gr. that is North-Eath, and which of Con-fequence makes an Angle of 45°, with the Meridian, is equally North-Eath wherever is blows; and makes the fame Angle of 45° with all the Meridians is meets.—A Veffel therefore driven y the fame Wind, always makes the fame. Angle with all the Meridians it meets withal on the Surface of the Earth If the Vetfel fall North and South, it makes an Angle infi-nitely acute with the Meridian, i.e. 'tis parallel to it, or rather falls in it—If it run Eaft and Well, it cuts all the Meridians at

right Angles

right Angos.

In the first Cafe it describes a great Circle; in the second, either a great Circle, viz. the Equator, or a Parallel to it.—If its Course be between the two, it does not then describe a collection of the control of th Meridians at enequal Angles, which the Veifel cannot do.

It describes, therefore, another Corve, the effectial Property
whereof is, that it cuts all the Meridians under the fame Artle.

-This Curve is what we call the Laundranie Corve, Remob-Lone, Loxadramy. See CURVE.

Tis a kind of Spiral, which, like the Logarithmic Spiral, makes Or Lexadramy. an Infinity of Circumvolutions without ever arriving at a certain

Point to which it still tends, and towards which it approaches e-

very ftep. See SPIRAL. This afymptotic Point of the Rhymb-Live is the Pole; to which were it possible for it to strive, it would find all the Meri-dians conjoin'd, and be lost in them. See Pole.

dins conjoint<sup>2</sup>, and be lott in them. See POLE.

The Courfe of a Vefflet, then, except in the two first Casts, is always a Rhomb-Line; which Line is the Hypothemuse of a Reclargie-Triangle, whose two other Sides are the Ships Way or Distance run in Longitude and Laritude. Now the Latitude is or Diftance run niusly had by Obiervation, (See LATITUDE); and the Angle of the Reams, with one or other of the two Sides, by the Compair. See Compairs.

All therefore that is required by Cheulation in Sailing, is the Value of the length of the Rhumb-Line, or Ships Courie. See Course

COURSE.

But as such Curve Line would prove very perplexing in the Calculation; it was necessary to have the Shap Way in a right Line, which right Line however much have the offential Property of the Curve Line, set, to cart all the Merthins as right. Amy the Mathed of offetting which for sealer the Article CHART.

and Miscarron.

If PA, PF, PC, &c. (Tak Navigation, Fg. 19.) befuppoised
Meridians, Al the Equator, and AE another great Clicle or the
Sphere: AO will represent a Rabou-Liou, the Angles whereof
with the feweral Mexidians, being left than thele of the great
Circle; it follows, that the Rhomb is not a great Clicle er the
Sphere—If a Ship therefore be as trik directed trowneds E, and confirmly perfift in the firm Rhamb, it will never strive at the Place E, but at the Place O which is further from the Place E. on the Surface of a Sphere, the shortest Way be-

tween A and O is an Arch of a great Circle between A and O; the Rhamb-Line is not the fluorest Way, or least Distance from one Place to another. See Circle, Sphere, Distance,

# Application of RHUMB-LINES in Navigation.

19. If the Mendiam PA, PC, FD, e's, be not very far a-part, the Rhomb-Law AlHGI a divided by the equilibrat Parla-Horce 1. 'Ne Byrus of the Phases, Al, and AQ, ee as the Lattocks AL and AN of the Places I and G—2°. Since the Achee AB, IK, HF, are equal in Majamode, and therefore un-equal in Number of Degrees; the Sum of the Aches, exits the Difference of Louvine AB for the Pages A and G. See the Difference of Longitude AB of the Places A and G.

the Difference of Longuage and or Meconynamicum.

2°. The Length of the Rhows-Line AG is to the Change or Difference of Lantande GD, in the fame Ratio, as the whole Sine to the Co-fine of the Angle of the Rhowsh.

2. Let Collins belong other, inserting with the

to the Co-time of the Angle of the Kernes.

Hence, 't', the Reasse Sail'd on being given, together with the Difference or Change of Lainude, turn'd mod Miles; the length of the Reasse-Line, or the Difference from the Place A to the Place G upon the fame Reasses, is had by the Rule of Three.—2°. The

upon the name Kewes, a had by the Rule of Abree.—2. The Rewes being given, together with the Quantity of the Ghigh Way on the fame Resmy, i. e. the kength of the Resmas AG; the Difference of Lintiuce DG, is had by the Rule of Three, io Miles to be converted into Depose of a great Circle.—2. The Difference of Lacinde DG being given in Miles; as slife the Length of the Rhosmi-Lune AG; the Angle of the Rhosmi-sad

confequently the R band fail'd on is had by the Rule of Three.—4°. Since the Cofine is, to the whole Sine as the whole Sine to the Securit; the Difference of Latitude GD, is to the Length of the Rhamb-Line AG, as the whole Sine to the Secant of the Angle of

the Hand.

24. The Language of the Rhand-Line, or of the Ship's Why in 24. The Language of the Rhand-Line, or of the Ship's Why in 24. The Language of the Rhand-Language of the Rhand-Language of the Mandage of the Language of the Languag

5°. The Meadynamic Side AB+IK+IF is a mean Proporti-unal between the Aggregate of the Rhumb AG, and the Change of Latitude GD and their Difference.

Hence, the Change of Letitude GD, and the Rhomb-Line AG, being given in Miles; the Mendynamic Side is found in the

6°. The Meadynamic Sid: AB+!K+HF being given; to find the Loweitsule AD.

Multiply the Change or Difference of Latitude GD by fix, which reduces it into Parts, of ten Minutes each: Divide the Product by the Measynamic Side; the Quotient gives the Miles which become a found from the activation of the belief of the control of the cont

For an Example of the former Proportion.-Let the Réami

For in Exemple of the Eurore Proportion—Let the Rhamb be required better one of Festight. Inclined 475. Longitude, 723. "The and 1 and 63. Nobella 1/6. Lannels 437. Longitude, 723. "The second of the Research of the Research of the Research could Fens, prick down 157 from C on Let 1765, 203, and old-forth the Arthough 100 of the Research, and make it qual-tities the Arthough 100 of the Research of the Research Could Fens, 100 of the Research Dillines to AC which it even if to Linear La table the second Dillines to AC which it even if to Linear La Lety the Difference of Lannels 57, which prick from the could Lety the Difference of Lannels 57, which prick from the could Parts the Politector of Lannels 57, which prick from the could Parts the Politector of Lannels 57, which prick from the could Parts from a to 1—1 week the extent over methates on the mon Parts, thews the Diffence to be 13° 24'; which, allowing 20 Leagues to a Degree, is almost 268 Leagues.—Then, with the Radius CB festing one Foot at M, crofs the Rhamb Triangle at GH; which extent mentured on the greater Chord is almost act, the Complement whereof is 68°; and for much is the Rhumb from the Meridian between the two Places, amounting to 6 Points, and upwards of 80 Minutes.

ment the Merdian between the two Places, amounting the Plann, and upward of 30 Minusers. Plann, and upward of 10 Minusers. Plann and the Publishment of the Intelligence of the Intellig

Then, to find the Courfe,—With  $\phi\phi^0$  of the Chords, &ring one Foot in L, with the other make Marks at Y and Y<sub>s</sub>, then the Extent ZY. a mentioned on the Chords, there the RASSNS to be  $\phi\phi^0$ ; 37 Minester from the Meritain. This Proportion in the  $\phi\phi^0$ ; 37 Minester from the Meritain. This Proportion in the where the probability of the Meritain. This Proportion is the whereas the price below they will be a considered from the Meritain which where the price of the Meritain come to Meritain and the District of the Meritain on the Meritain and the District of the Meritain on the Meritain and the District of the Meritain of the Meritain of the District of the Meritain of the Merita stance 902 Leagues.

finer on Leagues. Applies mining CA equal to CV, a Line poining LA would be the Coarle and Deliner accroning to the time Leaguine-dependent on the Plan Chart, whereby the Coarle Leadards ind down on the Plan Chart, whereby the Coarle Deliner 13 Minings from the Merkilan, and the Dilthone 13 Deliners 13 Minings from the Merkilan, and the Dilthone 13 Deliners on Colombigation of the RHYA'S, in Medicine a Delinerston of Colombigation of the Carranda Leafurpush, finance in the great Cantabase C Anagle of the Eye. See CANASCELA.

The Rhya is dod in opposition to the Researchly, which is an arrange of the properties of the first Church. See Excessive the Application of the first Church.

The Caufe of the Rbysr is a thorp Hamour fulling on this Part; and grawing and contaming it by Degrees; though it is sometimes also produced by the too gives Use of Cacherricks in the Highest Lastrysman.—It a creed by Incarmitives.

The Word is found from the Greek job, to flow.

DELYME Davie Parts on Parts in Ports, she the fig.

RHYME, RHIME, RYME, or RIME, in Poetry, e'c. the fi-illar Sound, or Cadence and Termination of two Words which

ond two Veries, ere. See Verse.

Or Rhyse is a Similitude of Sound between the left Syllable or Syllables of one Verie, and the laft Syllable or Syllables of a Verie facceeding either immediately or at the Diffance of two or three

Rhyme is a modern Invention, the Product of a Gestick Age: Rhyber is a mouter inventors, the Product or a testimate fage: Multiwa calls it the Multiwa Calls and Australia Multiwa Calls it the Australia Multiwa Calls from the Graphs and Lating—The Great Ontarios, fay they, who enclavourd to tickle the Ears of the People, affected a certain Cadence of Periode, ending in a Coolionates, and call'd them desertioners. The Latins, who imixated them, call'd their metal-rich Penales, familia.

This Affectation increas'd as the Latin Toogue declin'd; fother in the later Latin Writers, scarce any thing is more common

than rhyming Periods.

The Free's, and from them the Buglift, Eco. remind this Go-denot of Relays, which feared in them more greety, and error more agreeable than the mendered Veries of the Greek and Kenne Form. The list of d. Lane Borett in Relays was most classified to the Company of the Section of the Section than remaining were call of Laness Feffit; for which for the Veries than remaining were call of Laness Feffit; for the Company of the Company of the distribution of the Company of the Company of the Company de Paris at their Veries do by the Good their Name from a Clance call? Laness, who first companied than when the Company of the Company o The French, and from them the English, &cc. retain'd this Ca-

Payer.

Combined has given us a Collection of Latin Rhymer of our sotions English Writers; among whom Waller de Mayer Archicles
cor of Oxford, in the Time of King Heary II. ration a principal Figure: Especially for two Preces, the one in Praise of Wine,
beginning.

Mibi est propositum in Taberna mori, Vrums sit appositum moviensis ori; Ut dicant, com Venerint, Angelorum Chor), Deus fit propitius buie setatori,

The other against the Pope, for forbidding the Clerry their Wives; beginning,

Prificani Regula pentug caffatur, Sacerdos per hic & haw-sim decimatur; Sed per hic folumousis, min articulatur, Cum per Noferum prafulem bito, amortostar.

Since the Refloration of Learning whe to the Contary, Al-tempts have made to braith Relays one or the motion Pecery, and to finite the Baylon of Prival Virtue on the foreign of the united Gerel and Laus one; by firing the Quenies of the Syl-lette, and realing subject to this, and the Number of Mea-faire. See Quentury, Neumann, of the Number of Mea-faire, the Quentury, Neumann, of the Prival Laus of the and other Peces, and it the In Billy, Andrian, and found con-line.—Verlies of this Knie we call Balls Paper. See Busse.

"—Vertice of this Kind we call RIAM Forfic. See BLASS."
The Promb have returned the datus, but not with the first Succession. Publisher made the first Edity; and stier ham Foffier's both they fall. A lightly and Rayin Bildworth them, and fall the both they fall. A lightly and Rayin Bildworth them, and fall the both they fall they for the still 
To faceced in fach kind of Verfea there must be a Liberry of bapyy Rythour. But this is former/nt inconceivable: Mr. Add-varying the Armagement of the Words, or of changing their Seas.—also sther take is that pic Words and Senio of what was force as may bed in the Cockestion of the Port of making the batt the chief cliffed; the price is was their a falle in senion. Makine requires, or was the contract of the Words and Senio of what was force as the was the waste of the Words and the Word

Rhyper are either fingle, or double, or trible; but the two last are now diffused. Single Rhymes are divided into perfect or whole Rhymes; and

imperfect or half Rhymes.

A whole or perfett Rhyme is where there is a Similitude of Sound without any Difference; or where a thorough Identity of Sound appears in the Pronunciation of the two Syllables, notwithflanding that there may be some Difference in the Orthography.

graphy.

An imperfelf or balf Rhyme is where there is a Similitude with a Difference, either in refpect of the Pronunciation or the Orthography; but claiefly the former.

In the time of S. Lwis, the Franch began to be more exact in their Verifications and no distinguish their Relyman into Mod-

cultur and Freeinier; and to observe a regular Mixture of the twoin their Verfes.

in their Vertex.

The Invention of this Mixture is ufually attributed to Marss;
however 'twas Rossfard who first practiced it with Success.—The
Feminine Rhyaw is that where the last Syllable of the Rhyas ends
with an a Mute or Quietenn: As in Dross, Belle, See.—Mafinions Riymes are those of all other Words. Mesage observes that Masculine Rhymes close the Periods better: But that Feminines. being the fofter and more languishing, end more agreeably, espein mournful Subjects.

camy an momentus usupeths.

They affordishinguish further between rich Rhysser, which are those where the two Words terminate alike, through the whole two lat Syllables, as funsible and rabiels, 8cc.—Palias Rhysser are these where the two rhyssing Veries faceced immediately to each ochec.—Criff Rhysser, those where the Veries are so disposed as that the fairt rhysser with the third, and the focood with the

fourth &c. They also diftinguish Normand Rhysses, Parisan Rhysses, Equiyocal Rhyms, &cc.
RHYPTICKS, or RYPTICES, RHYPTICA, in Medicine. See

RHYTHM, RHYTHMUS, in Mofick, the Variety in the Movements, as to the quicknefs or flownefs, length and flortnefs of the Notes. See Norz.

Os, the Rhythmus may be defined more generally, the Proprition which the Parts of a Motion have to each other. See **R**нутнмісл.

Arifishs among the antient Musicians, applies the Word Rhythuser three Ways; wiz. either to immove able Booles, when their Parts are three Ways wite either to immoveable hockes, when their Parts are righly proportioned to each other; as a well-made Statue, 67-c to things that move regularly, as in headfone Walking, in Dancing, in the damb Slews of the Plantonmines, 64-c or third, by, to the Motion of Sound, or the Votce; in which, the Rythsaw conflits of long and their Syllables or Notca, join'd together in Succession in some kind of order, so as their Cadence on the

in Succession in some axing or court, so as near canciner on the East may be agreeable.

This, in Oratory confitutes what we call a susuress Style, and when the Tones of the Voice are well chosen, a harmonious Stile. See Style and Numbergs.

when the Joseph Tan Work in the Work of North A immediate when the State I and M.LODY.

SLLOON: Pollur in his Boch de Permanue Centre d'estrèue Ryrleus, ex-teut de meister Ryrleus—Thomph to come I veux coulend to the production of the Company of the Company of the Company position in which extends to the Ryrleus; that the whole client of the Market was stembed to the appears, foythe, by that faying of their, was not go parental profile. See Officer, Partico-tion, was not go parental profile. See Officer, Partico-tion, was not provided to the company of the Company Riversity, Riversity, or Riversity, in the amistage Poerry, was the Medicine of the Feor, or the Number and Combinitions of long and floor Syltabers; called the Queentry. See QUENTITY. "Pillur unitions to whale Feor of the Number policy Moules to partie."

had the chief effect; Hence it was that in all the sometime Manticle for general Gaze was taken than not a Spilable of the Woods should be ignored. Gaze was taken that not a Spilable of the Woods should be ignored to the sound of the sound to the sound that the sound to the sound without Words. See Musecc.

"John Yays, that Paylow which do not experted the very Forms and Fagures of thenge, can have no effect; and that the anison and Fagures of thenge, can have no effect; and that the anison and Fagures of thenge, can have no effect; and that the anison did in the sound that the s

adds, that the modern Languages and Verfe is alrogether unfir for Mufick; and that we shall never have any right Vocal Mu-fick till our Poets learn to make Verses capable to be sung. i. e.

facie ill our Poets learn to muke Verfee capable to be fings, i.e. at un earn model our Languages, reflects the anima (Quntities and the search of the control of the contr

The Rhythmics confider'd the Motions; regulated their Men

The Reythmias considered the Motions; regulated ther Metalica, Order, Mixture, etc. for se to exact the Paffions, keep them up, augment, diminifit, or allay them.

Arificials and other aution Musical Writers, divided artificial Molick into Harmonica, Rhythmias, and Mistrica. See MUSICK

But the Rhythmira with them likewise comprehends dumb Motions, and, in effect, all Rhythmiral, i. e. regular, Motion. Porphyry divides Mußek into Harmonica, Rythmira, Metrica, Organica, Partica, and Hyperritica. See each under its proper Ar-

The Audients feem to have lad so Rhytim in their Massick befor the long and forct Syllaber of their Words and Verfea, which were fine, and always made 2 Prof. of their Mindis; to their the Rhytims with them was only the Application of the their Rhytims with them was only the Application of the Prof. of their Rhytims with their was only the Rhytims RYTHMOP.Eld. one of the Mindial Faculties, as they are called within periodis Rules for the Montan, or Rhytims The statem Rhytimyma is very defective—We into architecture. The statem Rhytimyma is very defective—We into architecture and the results of the Rhytims and the Rhytims and the Rhytims and the results of the Rhytims and the Rhytims and the Rhytims and the statement of the Rhytims and Rhytims and the Rhytims and the Rhytims and the Rhytims and the Rhytims and Rhyti can fearce be call'd Rules. In their Explications there appears nothing but what belongs to the Words and Vertes of their Sours, which is a firong Prefumption they had no other. See

RHYTHM HYPHM.
RIAL, or RYAL, or REAL, a Coin ftrack, and Current in
NATA. See REAL and COIN.
RIAL is also a Piece of Gold, antiently Current among us

RIAL 8 and a Piece or Cood, arment of the Mins. a Pound Weight for ten Shillings. In 1 Heavy VI, by Indenture of the Mins. a Pound Weight of Gold of the old Standard was coined into 45 Rials, going for ten Shillings a-piece, or a proportionable Number of bull Reals, going at five Shillings a-piece; Or Rial Earthings, which went at 2s and 6d.
In 1 Heavy VIII. the Gold Rial was ordered to go at 11s, 3d.

In 1 Honry VIII. the Gold Reid was ordered to post 111, 24, 10-2 EM. Golden Rule were concern of 151, 8-piece, when a 10-2 EM. Golden Rule were concern of 151, 8-piece, when a few part of the Association of 151 was to be concerned as you process, and the Symr-Nadiu 151, 8-5 Mostry. REIBBAND, or REIBBAND, a narrow fore of Side. Cheldy used The Company of the Compan

See BSND.
It is born a little cut off from the out-lines of the
Efoutchcon; thus; He beneth Or, a Robber Gules.
RIBS, Corras, in Anatomy, long, arch'd Bones; ferform, or foftsin the inner-fides of the Thorax, or Breath BONE and THORAX

The Ribs are in Namber 24; twelve on each Side.—Their iggare is an imperfect Segment of a Circle, harder, rounder, and nore incurvated towards their Articulation with the Pertebre, than at the other Extremity towards the Sternuss, which is thinner, broader, and more fpungy.

The Ribs are divided into true, or genuine, and fpurious.

The Ribr are divided into Irras, or genuine, and Jorrisos. The true are the feven opper Pais, which are thus diffinguished, as forming the most period Archee, and as baving a strong Articulation with the Streams. See STREND: As being finaller. The five lower are called Nather, or Sparisos. 32 being finaller, horners, and more cardiaghous than the reft, and not reaching one.

fo far as the Sterman, which makes their Artitulation very lax; in regard they terminate in long, foft Cartilages, which bending upwards are join'd to the upper Ribs.

On the incide of the true Ribs, except the lowest, and formetimes the next to it, runs a pretty deep Simu, reaching from the end towards the Spine, almost to its Juncture with the Care

AB

All the Ribs, together with the Strewess, see rain'd by the re-fractory Markes, in the Action of Indipatency, by which Carly's of the Thouast colleged for the In the Action, the punits of the Lungs. See Kentharton. Ribs of a Shy, are the Timbers of the Partocks, when the Plancks are off; to called because they are bent like the Ribs of a Cervalic or Science.

RICE, a Gram or Seed of a legominous Plant of the fame Name; frequent in the Engl-Indian, in Grees, and Italy. See

LECUSANSON.
The Grains, which grow in Clufters each terminated with a Spica or Beard, are inclosed feverally in yellow rough Capfales, or Cafes. When firpt of in Skin the Grain is almost oval; of a finaing white Colour, and as it were traciferent. It grows in a final part of the colour of the co moift marthy Places.

moith mirthy Flaces.

Throughout the Roft, and a great Part of the Levaner, Rhe is the principal Foot, and farrow for Bread. See Bast and the principal Foot, and farrow for Bread. See Bast and the principal Foot of the Rose of Bast and 
or Flower, by pounding it in a Mortar, after having first put it in hot Water, and again wash'd it out in cold.

Rice is of fome as in Medicine, being efteem'd proper to forten and thicken sharp Homourus, to moderate the Flux of the Belly—The Northern Nations cut their Fowler and other Mests with Rice and Saffron—The Colsery Bunke a Wine of Rice, which is of an Amber Colour, talks like Syamyb Wine, and ferves them

is of an Ambert cateor, takes the spanny or wire, and reves count for their common Drink.

In fonce Parts of Europe they also draw a very strong Benedy or Spirit from Ren. See Bastrory and Spiritr.

RICKETS, REACTIVES, in Molicine. a Disorder afficility to the Boost of Children, and cuting a confidential Promberance, Incurvation, or Distortion thereof. See Children, Sport.

The distance of the form a fault in freshing the Child; rolling fire from a fault in freshing to look in other; placing him too igits in fome Places, and too look in other; placing him in an incroovenium, or too often in the finne Podure, or further than the contract of the fire freshing the freshing the fire freshing the freshing the fire freshing the freshing the fire freshing the fire freshing the fire fering him to be long wet.—The likewise attributed to the want of proper Motion, and the using of the Child to one Arm only; whence the Legs and Knees remain too long in the fame incur-

Or it may be occasioned by some Fault in the Digettion oc-casioning the Aliment to be unequally apply'd to the Body, by which some Parts of the Banes increase in Bulk more than the

redt.

The Palets utility agrees between the first eight Mondar, The Palets utility agrees between the first eight Mondar, the Color of 
If the Symptoms continue long, the Thorax becomes fit

officulty of Respiration comes on, as also a Cough, and a heckele Ferer; the Abdomen swells, the Pullegrows weak and small, and the Symptoms increasing, at length prove mortal.

When the Child is able to talk before he can make ase of his

When the Children is some to take the Reckets.

When the Differer is taken early, it may be remedied by per Boliters and Bandages, failed to the Parts affected: But we the Bonces are grown rigid and infexible, other mechanical Con-trivances, as Padding, firsit Bons, and feveral forts of Machines or Engines, made of Pafeboard, Whalebone, Tin, &c. are made use of; to reftore the differred Bones to their natural

Cold Bathing is also found of Service in the Rickets, before the Diffemper comes to be confirmed, during May and Juse; continuing him in the Water two or three Seconds at each Plunge.

Others chuse a Liniment of Rum and Palm Oå; and others a Plaiffer of Deminium and Oxycroceum, applied along the Beck, to cower the whole Spine.—Dry Frictions over the whole Body, with a warm Linner Cloth before the Fire, especially on the Parts affected, are found of Service. The Oil of Snails is fa-mous for the fame Intention, being what Drops from them, after bruiling and informing them in a Flannel Bag, the Limbs and frinal Bone, are anointed. RIDDLE. See ENIOMA. With this

RIDDLE, or RUDDLE, is also a mineral Stone. See Run-

RIDE, of Hazie, or other Wood, is a Group or Plump of Sprigs shooting our of the same Root, or Foot.

RIDE, in the Manage.—To risk fignifies to learn to risk.— Thus, He risks under a good Mafter. See House. RIDE, in the Sea Language, is a Term variously applied.— Thus, a Slup is first to Risk when her Anchors hold her field, for

Thuis, a Ship is start or Kade when her Anchora hold her fail, so that the drives not away by the Forces or the Whide or Tide.

A Ship is shid to Rade well, when the is built so as not to over-bear herself into an Head See, as that the Waves overtake her (that is, over-such her) from Stem to Stem.

A Ship Rade aways, when the radar with her Minin-Yards and Force-Yards boilted up to the Hounds; and both Yards and Arms

opped alike.

She is faid to Ride a Peek when one End of the Yard is peek-

She indit to Ride a First when one End of the Yard is pun-ced by, and the other hang down: This is sold fast of a Siry when is requiring, the is brought directly over her Anchol Property of the Property of the Property of the Property And to Ride investigation of the World Intelligence over her one. Way and the Tide another—If the World Hand to Ride investigation of the Property of the Property of the World Weather the fails for deep, that Water true in a tee Huntis— Sold is the Ride Property on Property on the Property of the RIDE AU, in Fortification, a simil Elevation of Earth, ex-tending third importing on a Plain's priving on every a Campo-ton of the Property of the Property of the Property of the who would being a Place at a new Dultmen, and to private of who would being a Place at a new Dultmen, and to private of who would being a Place at a new Dultmen, and to private of the who would being a Place at a new Dultmen, and to private of the Property of

who would before a Place at a new Distance, and to focus to the Workman in their Approaches to the Foot of a Fortesis Rionaux, it forneames also need for a Dirch, the Earth whereof is thrown upon in Side. See Dirtrat.

The Word in its original Persols lignifies a Contain or Covers, formly from the Latth, Richlems—Bard Service is from repers.

RIDERS, in a Ship, are great Timbers both in the Hold and Aller metals.

RIDERS, in a Ship, are good Timbers both in the Hold and Allot, which in the doles on no ther Timbers or intergeben themselved. Allot, which is to decise on no ther Timbers or intergeben themselved. The Word Reseas is also used for attra-Cimita, added to Bills, while the are active profiles in the timber of the Research of the Ribbert of the Research of the Research of the Research of the Ribbert of the Ribbert of the Research of the Ribbert of the Rib

It is commonly in the third or fourth Ridge that the Farriers It is commonly in the third or fourth Ridge that the Farriess third, in order to bled at Bloffe whose Mouth is over bested. RIDGLING, or RIDGLI, among Farriers, &c. the Maleo & Westling that the Boston but half Gell. See Gell.DIO. RIDICULE. See LAUGHTER, RESELLTY, &c. RIDING, a Division of Investigate, whereof there are three, and RIDING, a Division of Investigate, whereof there are three, and the County, it is necessary the Town and Selfer the Investigate of the County, it is necessary the Town and

Ridng be expresi'd. Riding-Clerk, one of the fix Clerks in Chancery, who, in his

tin, for one Year, keeps the Controllment Books of all Grants at pass the Great Scal that Year. See CLERK, GRANT, See RIENS Arrear, in Law, a kind of Plea nied to an Action of Debt, upon Arrearages of Account, whereby the Defendant al-ledges that there is nothing in Arrear.

Riess paffe parts fait, nothing paffes by the Deed, is the Form of an Exception taken in fome Cafes to an Action. See Exception, and DEED. Riest par Defeast, nothing by Defeast, is the Plea of an Heir, where feed for his Ancestor's Debt; though he had no Lands

om him by Defcent. See Descent. RIER, or Rese-County, Retro Comitatus, is used in our Law RISKs, or REER-COMMY. PETER COMMANNS IS USED IN OUR LINE.

Books in opposition to open County.

This appears to be forme publick Place, which the Sheriff appoints for the Receipt of the King's Money, after the end of his County. See Sheriers, Co. Peter Eyys it is Din Craftmar,

opf southatem.

RIGADOON, a kind of Dunce, borrowed originally from

RIGADOON, a kind of Dunce, borrowed originally from

Provener, performed in Figure, by a Man and a Woman.—The Ri
gasion is gay, pleafung, ch. The Word is found from the

French Rigasius, which figuries the fame thing.

RIGGING, of a file, includes between the corresponding to the Matth, and Yarda, ch. See Contace,

Dever. Ac. 2009.

ROFE, Cr. A Ship is find to be well-rigg'd when all her Ropes are of their fit Size, in Proportion to her Burden.—She is over-rigg'd, when

her Ropes are too big for her; which wrongs her much in her Sailing, and is apt to make her Heel. See Sette. RIGHT, in Geometry, fomething that lies evenly, and with-

out inclining or bending one way or another.

Thus, a Right Line is that whose several Points all tend the fame way. See Line.

fame way. See LINE.

In this Senfa Right fignifies as much as firmight, and flands opposed to arrayd or crocked. See CURVE.

RIGHT Angle is that formed by two Lines falling perpendicucularly on one another. See PERPENDICULAR.

The Quantity or Measure of a Right Angle is a Quadrant of a Circle, or 90°.—All Right Angles therefore are equal. See ANGLE. In this Sense the Word Right stands opposed to Oblimur. See

RIGHT-Antid, is understood of a Figure when its Sides are at Right Angles, or fland perpendicularly one upon another. See GURE. This femetimes holds in all the Angles of the Figure, as in Squares

and Rectangles: Sometimes, only in Part, as in Right-angled Triangles.

RIGHT Size See SINE The Word here stands contradistinguished to versal. See RIGHT Sphere, is that where the Equator cuts the Florizon

at Right Angles. See SPHER Ot, Right, or Direct Sphere, is that wherein the Poles are in the Horizon, and the Equator in the Zenith. See SPHERE.

Such is the Politica of the Sphere with regard to those who

live directly under the Equator.-The Confequences hereof sre, swe asternly under the requisiter—Like Contequence Berear step, that they have no Lattitude nor Blevation of the Pole—They can fee nearly both Pole of the World, all the Stern rife, Cal-minate, and fet with them, and the Sun always rifes and de-feeds at right Augles to their Herzene, and makes then Days and Nights equal. See Laterizone, and makes the Days NIGHT, &c.

In a Right Sphere the Horizon is a Meridian; and if the Sphere be supposed to revolve, all the Meridians successively become

be lappeded to revolves, all the Mendlans faccetively become Horacons, one after another. See HORACON, etc. ROBET Affenflows, of the Sun, or a Star, is that Deeper of the Equinocidia, accounted from the beginning of Aries, which rifes with it in a Refer Sphere. See Accession. Or, Refer Affenflows, is that Deeper and Minute of the Equi-nocidia, counted as before, which comes to the Meridian with the Sun or Star, sor other Pools of the Heavens. See Sun,

The Reason of thus referring it to to the Meridian, is, b use that is always at Right Angles to the Equinoctial, whereas the orizon is only so in a Right or direct Sphere. See Sphere. Two fix'd Stars which have the same Right Assessment, i. e. are

at the same Distance from the first Point of Aries in a Right Sphere; or, which amounts to the fame, are in the fame Meri-dian, rife at the fame time; If they be not in the fame Merididan, file at the time time; it coey or not in the same assessment, the Difference between the time when they rife is the precise Difference of their Right Afanson.—In an oblique Sphere, where the Horizon cuts all the Meridians obliquely, different Points of the Meridian never-rife or fet together; fo that two Stars on the fame Menidian never-rife or fet at the fame time; and the more Oblique this Sphere, the greater is the interval of time between

em. See Rising, Setting, Height, &c.

Right Saiding, is when a Voyage is perform'd on fome one
the four Cardioal Points. See Sailing and Cardinal of the four Cardioal Points.

If a Ship fail under the Meridian; that is, on the North or South Points, the varies not in Longitude at all; but only changes the Latitude, and that jult so much as the Number of Sec LATITUDE.

Degrees the hath run. If a Ship fail under the Equinochia, upon the very East or West Points, she alters not her Latitude at all, but only changes

the Longitude, and that just to much as the Number of De-grees she hash run. See Longitupe.

If the Sail directly East or West, under any Parallel, she there If the Sail directry Latt or West, under any Paranes, not corre-also alcretch nor her Latitude, but only the Longitude; yet not according to the Number of Degrees of the great Carle she hath failed in, as under the Equinocial, but more according as the Parallel is remoter from the Equinocial cowards the Pole-For the lefs any Parallel is, the greater is the Difference of Lon-

gitude. See RHUMB. RIGHT Circle, in the Stereographical Projection of the Sphere, is a Circle at Right Angles, to the Plane of Projections or that which passed through the Eye. See Circle, Projection and STEREOGRAPHIC.

RIGHT, Rellum, in Logicks, Ethicks, eve. See RECTI-In this Sense the Word stands opposed to Wrong, Erroneau,

In this Sends the Word Intude oppoint to Write, Erramon, Belly, Geo. See Passon, FALLOROG, & Property, For Well, & Wer of Kight Ben, De Austron, E. & Property, For Well, & Willer of Kight Ben, Date also my Title or Calin, other by Vistor of a Condition, Mortgage, or the large for which no Address, and the second of the Condition of the Condition of the Condition of the Condition of the Property. For Highlight and the Condition of the Property of the Condition of the Condition of the Property of the Condition of the Condition of the Property of the Condition of

RIGHT in Court. See RECTUS in Caria.

RIGHT in Court. See RECTUS in Caria.

RIGHT the Holm, a Sea Phrase, ordering to keep the Helm even with the middle of the Ship. See FIELM.

RIGIDITY, among Philosophers, a brittle-hardness; or that kind of hardness supposed to arise from the mutual Indentation of the component Particles within one another. See HARD-

Rigidity is opposed to Ductility, Malleability, &c. See Duc-THITY.
RIGOL, a kind of mufical Inframent, confifting of feveral
Sticks bound together, only feparated by Beads.—It makes a tokerable Harmony, being well fitnek with a Ball at the End of a

Stick.

RIGOR, in Medicine, a convolive Shuddering, from Cold, or an Ague Fit. See Horror, Fever, Ague, &c.

RILL, or Riviller. See River.

RIM, in a Watch or Clock, the Circumference, or circular convolutions.

rt of a Wheel. See Wheel, Watch, Clock, &c. RIMA, litterally denotes a Piffare or Chick.—Hence it is an

lyed to several Parts of the Body, that bear a Resemblance thereto; as the Roma Padendi, or Fifura Magna, the fame with the Valva; Rima Larpagir, is the Aperture of the Laryan, call'd the Glassis. See GLOTTES, &c. RIMA, is also used for a narrow Aperture of a finall Cavity

KIMA. Is 800 uses on a distrow Aperune of a summa cavity under the Farmis, opening into the Information of all of the third Ventricle of the Brisin. See Brisin and Ventricute. RIME, RIMEs, RIMES, RIMES, OF RIFFME. See RIFFME Control of any Front that may be cut off, or pared. See See, Frours, &c.

The outer Coar of the Chefint, fet with prickles, is particularly called the Urchm-like Rend

RIND, is also us'd for the Ble, or ioner Bark of Trees; or that fort, whitely, july Subfrance, anhering immediately to the Wood. See Tree and Woop.

Through this is to the the Sign, in the modern Theory of Vegettation, is deposed to evanum now the Extramistion of the Broad Signature, and the Company of the Conference of t Through this it is that the Sap, in the modern Theory of Ve-

As to the Origin of Rings.—Play, lib. xxxviii. Clap. 1. observes, that we are in the cark as to the Person who first invented, or wore the Ring; for that what is find of Presenteen, as also of Midar's Ring, are Fables. The first among whom we find the Ring in use, are the Hebreus, Gen. XXXVIII. where Judab, Jacob's Son, gives Themar his Rong or Signet, as a Pledge of his Promise: Son, gives Thomas his Kong or Nigote, as a Foonge of the Frontier. But the Rise appares to have been in the after his time time among the Expaints, from Gen. Sit. when Fhormas pass his Ring upon 956698 Hand as a Marks of the Power he gave him. And in the thend Book of Kongr. Chap. xxi. "Fresh! deals the Warrant he fent for the killing of Nodows, with the King's Ring. The antient Coldenne, Budylanums, Perfam and Greeks, had become for the first the Marks."

the tent for the summer or Nations, with the Kings Kings.
The antition Collecture, Backplanuser, Perfanu and Greeks, had lakewise the use of the Rings; as appears from feveral Passages in Scripture, and from Quanter Cortice, who tell us, that Alexander leads the Letters he wrote into Europe, with his own Scal; and those into Alia with Dorm's Ring.

The Perfuse will have Gaianfibild the fourth King of their

The Perfusir was never consumptions the fourth Aring or their fift Race, to have first introduced the Rhig, to feel his Letters and other Acts withil.—The Greeks, Play thinks, knew nothing of the Rhig in the time of the Tropias Var: The Reafon be gives is, that we find no mention thereof in However, but that when Letters, &c., were to be fent away, they were tied up, and the

Strings knotted.

The Sakins had Rings in Remedus's time; and 'tis to them, pr The Salms in News in Remain's time; and "its to them, pro-bably, the Practice eight came from the Greaty; and from them paid's to the Remain; shough twas some time e're it gos footing there. —Play cannot learn which of the Kings of Reme infl adopted it; but there are no Signs of it in any of their Statues, belove these of News, and Servier Telliar. He adds, that it was in the among the antient Gault and Britons. See SEAL.

among the antient Gault and Bristan. See Spath.
At the the Matter of Rings.—There were fome of one fingle
Metals, and others or a Maxture, or of two. For the Iron and
Silver were frequently gift, or at ellent the Gold was incloided with
in the Iron, as appears from Arimidians, lib. ii. cap. 5.—
The Romans were contented with Iron Rings a long time; and
Play affaires us, that Aleran fielt wore a Gold one in his that Confulate, which was in the Year of Rasse 650. Sometimes the Ries was Iron, and the Seal Gold; femerimes 'twas hollow, and fometimes fold; fometimes the Stone was engraven, and fometimes fold; fometimes the Stone was engraven, and fometimes in Crews; former imes in Relevo, and fometimes in Crews: The last call'd Growne Edype; the first, Genma Sculptura prominente

As to the Manner of waring the Ring.—It has been various: From Jerens, Chap. xxii. It appears that the Hebreus wore it on the

Right-Hand. Among the Rowaws, e're they came to be adorned with Stones, and white the Graving was yet on the Metal, every body wore them at Picaities, on what Haid and Finger he lifted.—When Stones came to be added, they wore them alongther on the Left-Hand; and it would have been held an excelle

there on the Left-risine; a one is would have been note a excessive peoper to have por them on the Right note of the Finger, then controlled the people of the rising the rising the rising the on the Fine rising the rising the rising the rising the rising on the Fine rising the rising the rising the rising the rising on the Fine rising the rising the rising the rising the rising of the rising the rising the rising the rising the rising the alternative or the fourth Fine rising the rising the rising the three rising found from Antomy, that the Finery had a little that basing found from Antomy, that the Finery had a little of the rising the rising the rising the rising the rising the rising the form of the rising the rising the rising the rising the rising the rising the form of the rising the r

henourable, by reason of this Communication with that ooble Part.—Phys lays, the Gamb and amount British wore it on the

misside ringer. At first key only wore a single Ring; then one on each Finger; and at length several on each Finger, Martial, lib. xi. Erig, ser, and at length several on each Finger, Martial, lib. xi. Erig, 60. At last one on each Joint or each Finger, Artifight, in Mak. & Cc.—Their Debtecky, at length went to that pitch, that they had their Weelsky Ring. Several Sat. VII. Speaks of Annul Sassylvay, as also of Wanter and Sammer Rings. But of all to thers Lampredier, cap. 32. Observes, Helbogalasia carried the Point furtherly, who never wore the fame Ring, or the fame Shoe,

Risgs have been also wore in the Nose, as Pendants in the East—Bartholie has in experis Trentile, de Annule Nariam, of Rings of the Northle. St. Angaliu affaires us, 'twas the Fathion of the Moors; and Pedra delle Valle observes the same of the modern Ovientale.

modenn Osserata.

In effect, there is no Part of the Body where it has not been wore.—Several Eagl-Locks Travellers affirm, that the Natives commonly wear them in their Nofe, Lips, Chiecks, and Chia. Remofs with a pitch the Latities of Narfogues in the Lecoust, and Disadvar Starfer, lib. 3, that their of Extragree, nifed to adomn the control of the

the, Lips with Iron Roys.

As to the Ears, the Cultom fish obtains of wearing Rings therein, both for Men and Women, all over the World. See

no ladiant, particularly the Gazzerattes, have wore Rings on The amounts pericularly the consensation, naive wore Ampt on their Feet—And when Peter Allowers had his first Audience of the King of Colours, he found him all covered with Stones fet in Rings; Barcelest and Rings tho on the Hands and Fingers, and even the Feet and Toes. Lovid Bartone reportents a King of Peter Stones of the Rings and Peter Stones. Pegs, as still more extravagant, having Rings fot with precious Stones on every Toe.

With regard to the Ufe of River.—The Antients had three dif-ferent Kinds: The first kere'd to diffinguish Conditions or Qualities. Play afforce us, that the Senators at first were not allowed to wear the Gold Rivg, unless they had been Ambushiders at fome fo-reign Court. Nor was it even allowed them to wear the Gold

the Gold Reng, course twoy may been Ambussoons a sous-reging Court. Now may reven allowed them to went the Gold Reng which was given them, in Publich; except on publich do-cations. At other times they were as from one. And allow continued the times they were as from one. And they have been allowed the first Rollar. At length the Samiler oblived the first Rollar. At length the Samiler oblived the Harm, It has cannot the of the Gold Reng; but James on Harms, It has cannot the other course and the same and the same and the better, they could not do it unleft it were given them by the Decree.

In after Days the Gold Ring became the Badge of the Knights; the Feorle wearing Silver Rings, and the Silves Iron ones. Tho' the Gold Ring was fomerimen allowed the Feorles, and Severar granted it has common Seldiers. Along Was allowed it the Liber-Roy of Frenchmen; and though Rings and a Regulation to

no et Fercheres; and though Norv mide a Regalation to the the control of the Norva Carte for Speciality Fidelics A Ecroel Kind of Rose acute the evolution as far took so the Alexeon Kind of Rose acute the evolution of a Team Bander acro. 24— delicente, on the Anthology of a Team Bander acro. 24— del not the sign Norpal Rose. Soles, in the Other Reside. In the Alexeon Carte for the Carte for the Carte for the Anthology of the Carte for the Carte for the Value, which had tade on how been given before.—The Greek and Rosewood the lang and from them the Christians took and Rosewood the many and from them the Christians took Linguiste, where we not the Form of Refunding the Sept. Macroscope.

The third Kind of Rings were those used as Seals, call'd Cere-graphs, or Cirographs, an Account whereof see under the Article

SEAL. Richard Bithee of Schishery, in his Conditionion, Jason 1217, forbids the putting of Ragh-rays, or any the like Matter, on Women's Flogras; in order to the debauching of them more seedily: And he infinustes the Reason of his Prohibidion, that there was the seeding of the condition of the condition of the prohibidion, that there was the seeding was the seedin

Gay: And to intimutes the Reason of his Probibition, that there were found Prople weak enough to believe, that what was thus done in pilt was a real Misriage. Perti, step, "two an antient Cu-flown to use a Regional, his case of prople to the had had as AS and the pilt of the pilt o

The Difcovery hereof is owing to M. Hogges, who after fre-quent Observation of Satzero, perceived not load Penns, or Ans. In a right Line. See Ans. A right Line. See Ans. A. Hence, as in full-figure Observations, be any found the fine Appearance, be concluded that Satzero was incompated with a permanent Ring; and accordingly produced his new Dyftem in rice.

1659.

The Pisses of the Ring is inclined to the Pisses of the Ecliptic in an Angle of 23° 30′—It formatimes appears Oyal; and according to Campani, its greatest Diameter is double its least. See

Rano, is also an Instrument used in Navigation, for taking the

Kindy is safe an instrument used in any against, for taking the Allindade of the Sun, &c. See ALT-TUDE. The infaulty of Bittle, about 9 Inches Diameter, inferended by a little Sowiel, 45° from the Poort whereof is a Perioration, a which is the Centre of a Quadrant of 30° divided in the inner Concave Surface.

Concave Surface.

To use it, they hold it up by the Swivel, and turn it to the San. oll the San-Brams faling through the Hole, make a Spot among the Degree, which is the Aldinder required.

This Informatics prefer to the Afferhable by reason the Divitions are here larger than on the Alfrolable. See Astro-

RING-Diel, is a kind of Diel, usually small, and portable; co

fifting of a Brafs Ring, or Rim, feldom exceeding two Inches in Diameter, and one third of an Inch in Breadth. See Dial. In a Point of this Rum, is a Hole, through wheat the Sun-Beams being received, make a lucid Speck on the Concavity of the opposite bermietrele, which gives the Flour of the Day in the Divisions mark'd therein.

But it only holds good about the Times of the Equinox. To have the Dail perform throughout the Times or the Edunion. To have the Dail perform throughout the whole Year, the Hole is made movemble; and the Signs of the Zodine, or the Days of the Month are mark'd on the Convex Side of the Rong; by means whereof the Dail is rectified for the Time.

To nie is, put the movemble Hole to the Day of the Month,

or the Degree of the Zoone the Sun is in; then suspending it by the lattic Ring, turn it towards the Sun, till his Rays, as be-fore, point out the Hour among the Divilions on the Inide.

A-crofs the two Circles goes a thin Reglet or Bridge, with a Curfor C, that Slides along the middle or the Bridge. In the

Curfor is a little Hole for the Sun to shine through. The models of this Bridge is conceived as the Axis of the Workship and the Exercising and the Exercising and the Cartestinians in the Poles; and on the one Side Workship and the Exercising is the Poles; and on the other the Days of the Mooth. On the Edge of the Meridian likes a Piece, to which is fatted a Ring to fuguent the Inflamment by.

## Use of the surverful Ring-Dial.

Place the Line a (on the middle of the fliding Piece) over Place the Line a (on the middle of the lifting Piece) ower the Degree of Lattrude of the Plane (e. gr., 3% for Landwe) put the Line which croiles the Hole of the Curior to the Degree of the Sign. or Day of the Month. Degree the Informatic for as the two Range be at right Angles to each others, and faitpend in by the Disc. H. they the Area of the Dail, "supplicated by the middle of and spile. It by a two seconds. A systems confinences on a me many file. The Rep H, that the America of the Dall, reprinted by the middle of the Bridge, be Funded to the Asts of the World. Then our the Rivers he Funded to the Asts of the World. Then our the Rivers he are the Rivers of the Bridge of the Cantino, that are all the Rivers of the Cantino, that are all the Rivers of 
SOUND, O'C

RING-Boss, among Farriers, & a hard callous Substance, growing in the hollow Circle of the little Pastern of a Horse, above the Coronet. See Horse.

It iometimes goes quite round, like a Ring; whence its

It is fometimes hereditary, derived from the Stallion, or Mare, ut oftener comes by Accident, as a Strain, blow of a Horfe, RING-Walk, among Hunters, a round Walk. See HUNTING. RING-Worm, in Medicine, &c. See TETTER.

RIOT.

RIOT, in Law, the foreible doing of an unlawful thing, by three or more Perfors affentible together for that Purpole.

The Word is form! from the Lather, irstue, of arther, so run at each other as Rams do. Though, from an ancient Gamildo Verision of the Black, spoted by Saleme, Rist fload is charles congingily to fignity Laurony and Except, subnect our Rist might proceed; in regard their are reported proceed; an repart their are reported to the result of the results 
Focusing a regard using and requestry microbast some con-fered to Difference between a Rivis, Roust, and unlawfull Af-fembly, fee Roury, and UNLAWFUL, Affembly.

Riches give us the following Cales of Rists—eit. The Breach of Incidures, Bunks, Conduits, Parks, Pounch, Battos, the burn-not of Stecks of Corn, &r. Lembard adds, the bearing a Man-and entering on a Politifion feerbly.

By a title Act of Parliament, under on occasion of the frequent

pulling down of Meeting-Houses, &v. by Mobs, or Riotous Aftemblies, about the time of the last Rebellion; a Rass was Antennoes, about the time to the safe receibed, a Normale Felony, if the Restert did not disperse after reading a Proclamation made for that Purpose.

RIPENERS, in Medicine, a fort of topical Remedies, call'd Directives. Maturentia, Scc. See Drawers, Dioestries.

RIPENERS, in Medicina, à after di topical Remotelas curu Depriezo, Maturatis, écc. Sec. DasAviras, Dolestricas, Maturatis, écc. Sec. DasAviras, Dolestricas, Maturatis, écc. Maturation and Discussion. RIPENINO. REPORT SE MATURATION DE DISCUSSION DE SERVICA DE L'ANDIENTA DE L'ANDIENT Cofficial Rifing, when a Star rifes at the same time with the Sun-

See Countral

Armyrad Rifing is when the Star rifes at the fitne time that e Sun fets. See Acronycal. the Statifier. See ACCOUNTESS.

Hébbasi, Johler, or Appearst Pijling, is when the Star energies are of the Star Rays over the Hesterna, and is no integer bild properties of the Star Rays over the Hesterna, and is no integer bild properties of the Star bill Pillings of the Star billings of the the Sun fets.

GLOBE

Globia.

RISIRILITY, the Faculty of Laughing. See LAUGHING.

RISIRILITY, the Faculty of Laughing. See LAUGHING.

RISIRILITY, the Faculty of Laughing to Man; as being the only Creature carable of judging of what is ridicalous.

—Some Pollolophers go fo far as to afters, that the Degree of Judgment is always feen in that of Laughter; Fools either have too lattle or too much. Authors do not agree as to the peculiar Mechanism in Man,

nication between the Plexus Nervofus, and the Displragmatic Nervors. See Consent of Parts.

RISK, REQUE, the Hazard or Chance of a Lofs, Damage,

&c. See Chance.

There is a gent Role van in letting Goods go upon Credit to gent Lords, Where not authorized by their Husbards, and states of the control of their Husbards, and states of their states of the

of Policies, and not bezard too much on each Veffel; there be-

vice according to the Greek RHE.—I DE Wetters World follow the Latin Rife; or that of the Resum Church. The Employ observe the Rite of the Church of England, pre-feribed in the Book of Common-Prayer, &c. See Rivrual, RITORNELLQ, or REFERCY, in Musick, the Burthen of

a Song, or a Repetition of the first Veries of the Song, at the end of each Stanza or Couplet. See REPETTION. The Word is Italian, and lignifies properly a lattle Return, or a floor Repetition, fach as that of an Eccho; or of the last Words of a Song; especially when the Repetition is made after a Voice by one or more Instruments.

But Cuitom has extended the use of the Word to all Symhonies, play'd before the Voices begin, and which ferve by way f Prelude or Introduction to what follows.

In the Partitions or Score of the Italian Musick, we freq

as the Particion or Score of the Italian Mulich, we frequently find the Ritaroll's figuided by the Words f fivews; to thew that the Organ, Spinet, or the like, are to repet what the Voice has been finging. See REPATA.

RITUAL a Charch-Book, directing the Order and Manner of the Ceremonies to be obleved in excharting Divine Service, in a particular Charch, Diocede, Religious Order, or the like.

See Retru.

The antient Heathens had, likewife, their Rissals; call'd Ri-tuales Libri; whereof those of the Hetrarians were famed. These Books contain'd the Rites and Ceremonies to be obferv'd in the building a City, in the confectating a Temple or an Altan, in Sacraicing, Desiying, in dividing the Carle, Tribes, Centuries, and in general, all their Religious Ceremonies. See

Certificies said in general, at their actignose Certificies. Sacrificies, APOTIEOSIS, AUTAR, D'C.

There are feverall/Palleges in Casto Books, De re ruffica, which may give as forme idea of the Ratush of the Antiente.

RIVALE, RIVALES, a Term of Relation, applied to two Perfors who have the fines Percentions. See CORRIVAL.

tons woo have the tame Pretentions. See CORRIVAL.
"Tis properly used for a Competior at Love; and figuratively, for an Anagonatic in any other Parfuit.—The intrigues of Comedies and Romances ufaulty rum on the Jestouties of Rivasis, who dispute for the fame Miltreli.

The Lawyers derive the Word from the Latin, River, Stream quad at codes rive aquam harriant. Denatus supposes it to have taken its Name bence, that Beaths coming to drink at the fame

Brook, or Fountain, frequently quartel.

Celler flys, that Results were originally fach whose Fields were parted by a Brook or Rivalet; the Course whereof being liable to be varied several Ways, occasious frequent Disputes and

Law-Sings. 2 The melicity point to the King in Giore Ri-Mil Volde Philipp. of Bonn Haren. So Perkars. 2 RIVER, FLUVTER, FLUNDER, in Geography, a Stream or General of first Worter, Stream is Sow Warring, 6 or Channel, from a Source or Syning, into the Saw Warring, 6 or Channel, from a Source or Syning, into the Saw Warring, 6 or finall Ved-fice, bedson, it is properly call'd in Pagish, by the Diministra-fer Revalue, or Breast by the Latent, Privaty, and the Farends, Re-relation of the Channel of the Channel of the Channel of the by the general Name River, by the Latent, Paleons, and Hasens, south by the French Server—in all which, the Difference is only as to greater and less.

Some will have none to be properly Rivers, except those which

bear the time Name from their Source to their Mouth.—Others, none but those which empty themselves immediately into the Sea; and not into any other River. SecSEA.

Results' have their Rife, fometimes, from great Rains, or great

Quantities of thew'd Snow; effectively in mountainous Places; as in the long Ridges in Africa, Isades, Sumarra, Stc. But the generality of Riculest attle from Springs. See Springs.

Revery themselves all arise either from the Confluence of se-

fuch as the Rhive, Elie, &cc. known to flow from a langle Spring. The Value, e.g., condits of above two hundred Revolets, all flowing into it, before it reach the Cafeian: And the Danselver-ceives at many. Plays, indeed, and Cardian, fay, that the Nils receives none; but the later Travellers into Abagia affine us of

the contrary.

The River, Rivan, Dansler, Bergittenir, Scc. aritic originally from Springs in the Mountains; the Nuls, Volta, the great Rivers of St. Laurene, Scc. from Lakes. See Lake.

#### Phenomena and Kinds of RIVERS.

Rivers are found fullyed to great Alterations, at dilutents New found of the Year, Day, &c. tom frequent Rains, and needed Show.—Thus in Pers and Claik many of the Rivers are allowed infentible in the Night-time; as do not flow by Day; so being then augmented by the Kelelusion of the Snow on the Mountains, Admis, —Thus at the Vide school and in Water in May and Jiwes; to as to corer the Sand-Rainis, &c. which all the rel to the Year lie bare, for a Kenter to allow a letting to the loaded Shipse—Thus allo the Rivers are found subject to great Alterations, at different See Nile, Gamper, Isaler, &c. are frequently to increased as to over-flow; and that either in the Winter, from Rain, or in the Sum-

ner, from the meiting of the Snow.

Some Rivers bury themselves under Ground in the middle of their Couries, and break out again in other Blaces, like new Ri-vers.—Thus the Nigrs, which some Cosmographers derive by a flabortaneous Channel from the Nike, because it wells at the fame time with the Nike without any other apparent Cause of

formuly only emptide it foll is now Match, call the Gilme En-miness, and dark but the other for an efficient for the colliness of matching the colliness of the colliness of the colliness of the Octation, Permise and overcome to the colliness of the colliness of the Manufacture of the colliness of the colliness of the colliness of the Manufacture of the colliness of the colliness of the colliness of a Chambrid to Secure their Controls, and that a gent Name at Chambrid to Secure their Controls, and that a gent Name have been due by Manufacture of the colliness o

the Water of Salt Springs; Salt being procumble at lefs expense.

the Water of SteSprings, Sile being procurable at leds exprace.

The Water of mon Reven flows imprograped with Particle of Merich, Minessis, Strate, only and fit Boiling, etc.—Thus since for Merich, Minessis, Strate, only and fit Boiling, etc.—Thus since Reven being size in comment with Grant of Chail, or with the Reven the Chail of the Chai

As to Rever that being Grains of Silver, Iron, Copper, Lead,

As to Rever that being Grains of Silver, Iron, Copper, Lead, de-, we find no mention of them in Authors; though doubtleis there are great Numbers of each; and many of the modelesh Effective ordinared. Waters are doubtled sowing thereon. We must not here omit a Rever in Germany, which is ordinary inposed to change iton into Copper—The Truth is, there is no real Convertion of the Metal; all that is done is, that the Copper, and Virtuilo Farticles in the Water, coronde the Iron,

and detaching Parts thereof, by means of the Motion of the Water facceed in their room. From this venery in the Mixture of the River Water, refult various Qualities, different specific Gravities, different Colours, the See Mineral-WATER.

Some Revers at certain Scafons of the Year, fwell, fo as Some Perry, accornia Senders of the Year, feell, for an overline their finish, and cleaves the employment, Eached.—O working their finish, and cleaves the employment, Eached.—Edge, except the Hills. The loneshation begins about the 17th prof of Perry, and increases for the England bound the 17th prof of Perry. and increases for a many. Dating which Period the Clinic of Eggs, and creates for a many that profit which Period the Clinic of Eggs, and the Period Confederation of Period Confederation (Period Confederation England Clinic of the Period Confederation Period Confederation Period Confederation Period Confederation (Period Confederation Period Conf

risks—Hence as the fundation is prest or final, Eggs), see that Yan is friction for the reason without as to the Cause of this Bundelson is no body in their Buryaberian streetled up to its Source: But the month Egglin all theirspaces Indensition Cas-Source: But the month Egglin all theirspaces Indensition Cas-po Arteria, Alessandrage, Sco. have let us into the Secret.—From the Case of the Case, round which are agreen Number of high Maximize, call'd the Mocensian of the Moon. Now as there are the Order of the Case of the Case, and the Case of the Case, and the set in the Conductor Intensiphene, then Water will be at the time

K I V

se feeling. The Next jet felf meeting the Mountains of Notice, or on Symmers. But by reads of their recent in the Symmers
is that some them, and risk again on the Westlern Side of the (feeling length or distance them it is the American State of the Control State of the State of State of the Wistern State of State of the Wistern State of State of the Wistern State of State

New ANDER: SEVERAI NEWEY: In Coresumabilia, a Part of India, over-flowing in the rainy Months from the great Quantity of Water filining off the Mountain Gath: The Euphrases, which overflows Mofegorates, certain Days in the Year. Leftly, the Ri-verflows Manualla.

cor Su in Namesta.

The Liver mouth orderinand for their Length, Breach, Southead of Courte, Sr. see,—126. Mb. which run aimed in a road of Courte, Sr. see,—136. Mb. which run aimed in a road of Courte, Sr. see,—136. Mb. which run aimed in a road specific for the Gargan, 200 Mb. and Sr. see, Sr. see

# Laux of the Motion of RIVERS.

The modern Philosophers endeavour to bring the Motion and Flux of Rivers to precife Laws; and with this View have applied Geometry and Mechanicks thereto: So that the Deckrice of Rivers is become a Part of the new Philosophy.

The Habos Authors have diffingulfied themselves herein, and vis chiefly to them we are indebted for the Improvement; particularly S. Gagladaini, who in his Treatife, Della Natura del Bassal, has abundance of new Observations and Diffeoreties relating thereto.

Rivers, he observes, usually have their Sources in Mountains or Elevations of Ground; and his in their Defects from these, that they acquire the Velocity or Acceleration which maintains their future Current .- In Proportion as they advance further, this Velocithree Christian—In Proprintin as they advance further, this Volenting by preation of the continual Existion of the Wa-er against the Bostom and Sides of the Channel, of the various Colsiales they more which in their Progress; and of their arriving as length in Plains, where the Delevers justify and their in-clination to the Horizon, of condegence, genere—"That the Re-alt a Rever of Italy, which pave Oceasion in 16the Mensione to their Specialismies, is Found never the Mousty to have fence a three Specialismies, is Found never the Mousty to have fence a

whele Speculations, is tound near its Mouths, to have fearner a Deferred of \$2 Seconds.

If the acquired Velocity be opine from through the many Ob-litation of the Current becomes horizontal; there will then sooking germain to propage at the Motons, and comitme the Streams, but the Height, or the perpendicular Prefilter of the Water which is always Proportional to the Heighth—And, tappily for us, this is always Proportional to the Heighth—And, tappily for us, this Refource increases as the Occasion for it increases: For in Proortion as the Water lofes of the Velocity acquired by the De-

fcent, it rifes and augments in Depth.

The upper Parts of the Water of a River, and those at a Di-flance from the Banks, may continue to flow from the fingle Canfe thince from the mans, may continue to now from the image Lame or Principle of Deceivity, how final liberci it be, for not being detailed by any Ostfacle, the minuteft Difference of Level will have its Hifter; has the lower Parts, which roll along the Boxtom, will feare be fentilte of fo finall a Declivity, and will only between the most of the previous form the Prelions or the feperatorum-with Motion they receive from the Prelions or the feperatorumbent Waters.

beer Water.
The natural Widelity and Cobetion of the Particles of Water,
The natural Widelity and Cobetion of the Particles of Water,
The natural Widelity of the Water of the

of the River, and of Desig rece, is the name A may non-friction of the Bottom.

To find whether the Water of a River almost Hodznostal, Rows by means of the Velocity acquired in it Defents, or by the Prefilire of its Depth; fet up an Ohthack Perpendicular theretoy and if the Water tile and fived limentalized spain froch Ohtha-cle, it mus in Virtue of its fall; or if it flop a lattle while, in Virtue of its Preffice.

too of in Prefilion.

Rivers, according to this Author, almost always make their own Bods—If the Bottom have originally been a large Declivity; the Water in Concliquence hereof inalling with a great seld of Force, will have favor away the most elevated Parts of the Sol, accurating them lower down, will gradually make the Bottom hetricontal, where the Stream is firstfeth, there will the Earth most did up, us and consequently where the greatest Cavity will be

mide.

The Water having made in Bed horizontal, becomes 6a it feld, and confequency rules with the ice force against the Best configuration, and the list force against the Best control and at least that force is only could to the Refishence of the Bottom. The Bestom is now arrived at a State of Permanency, at least for a considerable Time; and the longer, according to the Quality of the Soil; Clay and Challe resisting longer than Sand or Mad.

or hard one was one you got of their refilling foregree than Sand Order, but well as cataling promise and existing off the forms of in Channel, and this with the more Force as by the Direction of a Security in them once personal content of the security o

corain Pitch.

The very reverife of all these things does also happen.—Rivery whole Waters are thick and moddy, raise their field by Ictuing Part of the betroegeneous Matters contained in them fails to the Bottom: They also controle their Banks by a continual Appendition of the fatter Matter in brudling over them. This Matter being thrown aside far from the Stream of Water, might even green, by realton of the obligations of the Motions, too form now

Now, these opposite Effects almost always seem to meet toperforms that objective Lines standin sawsys term to these operations, and not circumstances whereas to see of difficult judging of the Redist. Yet must the Combination be known very accurately, et any Meafarse can be taken about Rivers, effectally as to the disremant of the Contine. The Lessus, which emptied it fell into the Pabeing turn'd another Way to make it difference it fell into the Admisting, was in dared, and its Proce for diminishing, one time its Waters were left to themselves, that it raild its Bed a great Heighth, by continual Depositions of Mud; till it became much higher than the Pe, in its utmost Accretions, and needed very high Banks or Dykes to keep it from overflowing. See ALLU-

Viote.
A little River may be received simon a large core, without either augmenting in Wathh or Depth.—This forening Pranker and the bence, that the Addition of the line! Reven up oding post more bence, that the Addition of the line! Reven up oding post more than suggested the Volcety of the Stream, in the line Proportion as it does that the declarative of Water—Than the Primatus Branch of the Parinalbowd up the Firmerife Benche, and that the fine term in the contraction. And the fine term is the contraction of the Parinalbowd up the Firmerife Benche, and that the fine term is the concluded proportionally of all other Account.

Our to Planery, and in the general, of all oner Agmentations of the Parinalbowd up to Planery and in the general. If all our Agmentations of the Parinalbowd up to Planery and a time general, of all our Agmentations of the Parinalbowd up to Planery and a time general, of all our Agmentations of the Parinalbowd up to Planery and a time general of all our Agmentations of the Parinalbowd up to Planery and the Planery a Wate

A River offering to enter into another, either perpendicularly, or in an opposite Direction, will be diverted by Degrees from that Direction, and obliged to make it felf a new and more fa-yourshle Bed next the Mouth.

vourble Bed next the Mouth.

The Union of won News into one, makes it flow the fiviliers, by reason in lieu of the Frichca of four Shores, they have coly you too farmount; and dath the Arream being interther diffunt from the Bailes, goes on with the left interruption; beide that a greater Quantum of Water moving with a greater Veclocity day deeper in the Bed, and Count's retreaches of its former Width.

—lence also is than Stores, by being united, takes up left Space.

—Hone sails is that Revers, by being united, take up left Space on the Sortices of the Enthrance meet advangages on low Grossitis, which dicharge their faperflows Molibure mon them, and have lead, Occasion for Police to percent after overflowing, included the control of the Control of the Police of the Control of the Police of the Control of Revers, it may be observed that a New Fig. 18th 10 to make the Control of Revers, it may be observed that as New Fig. 18th 10 to main in the face State, or to be in Aryanaster State, whose is flow and profession for the Control of Revers, it may be observed that as New Fig. 18th 10 to main particular for the Control of Revers, it may be observed that a Sprawmart State, whose is flow and profession for the Control of Revers, it may be observed that as New Fig. 18th 10 to remain particular for the Control of Revers, it may be observed that a Sprawmart State, when it flows and profession for the Control of Revers, it may be observed that as New Fig. 18th 10 to remain the Control of Revers, it may be observed that as New Fig. 18th 10 to remain the Control of Revers, it may be observed that as New Fig. 18th 10 to remain the Control of Revers, it may be observed that as New Fig. 18th 10 to remain the Control of Revers, it may be observed that as New Fig. 18th 10 to remain the Control of Revers, it may be observed that as New Fig. 18th 10 to remain the Control of Revers, it may be not the Control of Revers, it ma

Parts having the Advantage of being profied with half the Depth. Place. a\*, That a Fance, which custing a Rever is perpendicular of the Rever, and of being free, as the fame Time, from the to the Bottons, as p \* s \* s, is cliff the Softme of a Rever Felicion of the Botton. The Softme of a Rever almost Hestroneth. Hence, when a Review is terminated by Ha Sides, parallel to Thomas the whother the Water of a Rever almost Hestroneth, each other, and perpendicular to the Hestroneth, and the Botton Bows is present of the Vedority acquired in the Delection, or you do a do in a Place, either hosticants, or include, the Softlow of the River with these three Planes makes Right Apples, and is a Pa-

Now in every River that is in a permanent State, the fam Quantity of Water flows in the fame Time through every Section Quantity of Wiser flows in the firm Time through every Sections, for unlich there he every Peeca grant Somply of Wiser.

ten as whet rans from in, the River well not remain in the firme Sizer. Than will holl good, whatever be the Irrigalizary of the relation of the Peeca and the Pe

remediated to extend the part of the great of the three states to see Spropol, then the Waser to run in a seguint Chanted, without part of the part of

There is the fame Prefiltre, that is, the fame moving Force, when the Offstace at AC is taken away apon which rever Particle of Water enters fator the Channel with the Celority a Body would ecquire in failing from the Surface of the Water to the Depth of the Particle. This Particle is moved along in anisoclined Plane to the Channel, withan accelerated Motion; and their the fame mumors, as if in failing vertically, it had continued its Motion to the fame Depth below the Surface of the Water in the Head of

the finns Deph bodow the Surface of the Water in the Head of S. S., If you dawn the beatternal Line 1, in B. Pattick at x will have the finns Cherity as a Body falling the Inight C, and other the Body in Child of the Cherical State of the Cherical State of the Body in Child (now 1 x \*\* "Directions to Cherical State of the Body in Child (now 1 x \*\* "Directions to Cherical State of the Cherical

obtains in the Squares, it will much more obtain in the Celerities themfelves, whole Difference therefore is diminifued as they in-

If the Indication of the Borrows be clamped upon the Elast of the Kerley, in an obscenage, an and agrees (Squarity of Wander Agrees), the art was the Changes of the will be higher every write in the Changes (State of the State of the State of the State of the Energy of the Changes (State of the Energy of the Changes of the Energy of State of the Energy of State of the Energy of State of State of the Energy of State of the Energy of State of State of the Energy of State of State of State of State of State of the Energy of State o If the Inclination of the Bottom be changed up to the Head of

milly becord up for the six left it must nic to as to thou cover one for Ortholo, or the behalt of the Bowr. I we have been and the Charles of the Bowr. I was been and the Orthole of the Ware would six above the Line I six, but before high, the Chestry of the six above the Line I six just before high, the Chestry of the Six above the Line I si

same Quantity of Water Ibali ran under the Oblitacle, as used to use in the open Channel before River. See River. RIVOULET; a Diminative of River. See River. RIXDOLLAR, a Silver Colin, struck in several States and frime Gistes of Germany; as also in Klauders, Faland, Domeark, Senders, See. See Colin.

There is but very little Difference between the Risabiliar and the Doller, another Silver Coin struck in Germany; each being

the Dawn, another Silver Coin struck in Germany; each being equal to the Eventh Crown of three Livres, the Spacify Pierc of Eight, or 4x. 6 d. Streing. See Crowns, &v. The Riskellier is one of the most Currant and univerful Coins in the World.—This field equally in the Commerce of the Leavest, the Narth, Masfory, and the English Indian.

ROAD, Van an open Way or Pallige, which makes a commo-

ous Communication between one Place and another. See

digas Communicacion octives: 1832 - 1802.

The Ressum, of all other People, took the most pains in their Read: The Labour and Expences they were at to render them spacious, fraight, smooth, and agreeable to the very Extremities and the state of the service of t

inacious, firalght, innoch, and agrecable to the very Extremities of their Empire, are incredible. See Bergår's Hubery of the great Rasale of the Rossan Empire.

Usfally, they firetaghened the Ground by ramming it, laying it with Flunts, Pebbles, or Sand; formetimes by a Linning of Mascionry, Rubbith, Bricks, Pottherds, &c. bound together with

Lume.

F. Messifrierrobserves, that in some Places in the Lyssassir he has found huge Clusters of Flient comented with Lime, reaching to or 12 Floot deep, and making a Mind as hard and compact as Marble it self; and which, after telling the Injuries of Time for 16co Years, in still searce percentable by all the Flore or Flammers. Mattocks, e.e., and yet the Flints it conflist of don't ex-

screed the bigness of an Egg.
Sometimes they even paved their Roads regularly, with large, figure Free-Stones; such as the Applew and Flaminian Way, &cc. ec PAVING.

See PAVING.

The Reads paved of very hard Stones they usually call'd View Pierres, either because they refembled Iron, or because they refembled Iron, or because they residend the Iron of the Hord's Feet, Charlott, &c., Reads are either Natural, or Artificial; Terrefirial, or Aquatic,

Pablick, or Private A natural Road is that which has been frequented for a long eccession of Tame, and subtitts with little Expence, by renson

forcetion of Time, and fability with hirt kipence, by realize of its Dilgótimo, o'nte made by Labour of the Hadden of Ha

Under this Denomination are also comprehended navigable

Under this Denomination are also comprehended savigable fewers, and surfacili Clansis, as their Intelly, Halland, &C.; Fadale Road, or Grand Road, is any common Road, whether thrighty, or a-cross, Millitury or Royal, &C.,—Prostale Road is that made for the Convenience of Form particular House, &c. Millitury Roads, to Calif strong the Roseaux, were grand Road appointed for the marching of their Armies ison the Provinces of the Empires, or for the Allitution of their Armies ison the Forninces of the Empires, or for the Allitution of their Armies ison the Forninces of the Empires, or for the Allitution of their Armies ison the Forninces of the Empires, or for the Allitution of their Armies ison the Forninces of the Empires, or for the Allitution of their Armies ison the Fornince of the Empires, or for the Allitution of their Armies ison the Fornince of the Empires, or for the Allitution their provides the Common of the Common of their Armies is not be provided to the Common of their Armies and their common of their armies are their common of their Armies and their common of their armies are their common of their common of their armies are their common of their armies their

The principal of these Roads in England, are Washing-freet, enild-freet, Fost-way, and Erminage-freet; which see junder the

Hemidfurth, Fejf-sun, and Zeminag-frost; which for guider the Article Wax.

Dandel-Route, money the Reman, were Read for Charlots, 6th. Intring two Permetters, or Cuderwys; the rone for those the contract of the contract of the contract of the war. Culting, Reports, and confiden.

Their two Ways were forgrant of rone to other by a fast ruided in the Middle, pared with Bricks, for the Convenience of Food-People, with doctors, mounting Sonce from Space to Space, and military Columna to mark the Dilletton—Such was well-with from Remo Collin, and I've Herstensin. See Mir-stand Companies of Office, offile I've Herstensin.

Subterrances-ROAD, is that dug in a Rock, with the Chiffel, Cr. and left vanited.—Such is that of Pazzasi near Naples, which is near half a Lesgoe long, fifteen Foot broad, and as many high. See SUBTERRANEOUS.

Strafo fays it was made by one Coccius, a Relation, probably, of Nerva'a; but it has fince been widened by Alphanfus King of

dragos and Nophr, and male firsight by the Viccoys—Their is uncher of the time Kind in the time Kind john, between Base the Lorentz first produced by the Poet in the first blood of his "Me. Excusin comprosed by the Poet in the first blood of his "Me. Ro.a.p., in Navigation, a Flace of Anchongies, as flowe Distance from Shore, and blacter from the World y there Verilla Sont in Navigation, a Flace of Anchongies, as flower Distance from Shore, and blacter from the World y there Verilla Sont in Navigation, and the Comprehensive Comp

When the Bottom is clear of Rocks, and the Hold firm, and the Place well cover'd from a certain Wand; the Road is fisid to

be good.
A wild ROAD, among Sailors, is one which has but a little Land on any Side.

The Result within his Majefly's Dominions are free to all Mer-

The Kasak within his Majetty's Dominious are free to all Mer-chant Veilkip, either of his Subjection of Miless—Clipation and Malters of Ships who are forced by Storms, ebe. to cut their Cables, and leave their Anchors in the Raad, are obliged to fix up Marke or Buoys, on Pain of a Fortiture of their Anchors, See Buoy.

64. Dec BUOY.
The Malters of Ships coming to Moor in a Rossl, must cast.
The Malters of Ships coming to Moor in a Rossl, must cast.
Anchor as furth Diffance as that the Cables, 64e. mayn't mix, on
Pain of aniovering the Damages: When there are keveral Vessias in the fame Rossl, the currented to the Sea ward, is obliged to
the fame Rossl, the currented to the Sea ward, is obliged to
the state of the same ross of the Sea ward.

keep a Laght in his Lanthorn in the Night-time, to apprize Vef-

reer a Lughe in his Landsom in the Nighteims, to apprine Vef-fels coming in from Salters, a Ship that Riks at Anchor in a ROADER, among Anteno.

ROADER, among Anteno.

ROBER, and the Robert of the a Syrup. See SAPA

a Syrup. See SAFA...
When only one third of the Humility is boil'd eway, 'tis call'd Definition; and when only boil'd to the Confutence of a foff Electury, a Refus. See Districtiva and Rasse.

The Word Refs is pure Archite; and fignifies, originally, a fusic drief in the San, or over the Fire; that it may keep the large subject. Therese.

nger without Damage.

longer without Damage.

Sometime is file doctors a Composition of four Jusic made Sometime is file doctors at Composition of four Jusic made Levier Calobic See Lottor.

The Reb is a Form now rands out of first though there are creat directed in the College Differentory; as Reb of Batel.

ROBBERY, in Luw, a fedicional unifing away smoother Mark Goods, from his Perfox, Perfoxoc, or Effect, spinish his Will.

SOME THESE, TO, Co. C.—This is fourteen interiorise cell denies 1247.

SOMETIME OF COMPANY OF CO

The Word is faid to have taken its rife hence, that antiently Robbers only trock away the Robes or Cloaths from Travellers. Though my Lord Code in the third of his Inflitutes, takes the

Name to have had its rife from Robbs Hood, who lived under Ri-chard I. in the Borders of England and Sociand, by Robberg, burning Honders, Rape, and Spoal.

Hence also Roberg-Ries, or Roberds-Mos, mentioned in feveral stues for mighty Thieves.

ROBE, a Gown or Garment wore by Lawyers, Divines, and other Graduates; who are hence call'd Gentlesses of the long Robe.

The Rose is an ample Garment bore over the ordinary Cloaths, sanging down to the Feet.—'Tis fathion'd differently for Ecclefi-

nuliging down to the Feet.—The Inlineard differently for Ecclericalities, and for Laymen. Name "Prife Role, They Frile, to a factor, they give the their Youth allience when arrived as Pabetry. This, they particularly decommend. Moreover. The Tools, Parketter, Virtuals, Punkary, or In forme Universities, Psychiatra wear the red Row-In the Sariouses the DoCton are always in Robertand Caps. Beadles, &c. wear Robert of two Colours.

wear scaler of two Colours.

Among the Person Officers, etc. they diffinguish thefe of the flowt Robe; which are fuch as have not been regularly examined.

—They have also Barbers of the flowr Robe, who are faich as are obliged to Practice in an inferiour Way to those of the long Robe.

Role. Kotes, it also liken in the general for, Grid Magiliantare, we the Problino opposite to that of Arma. See MAGIFILATE.

In this besit it was that Grier fish, Calent Arma Tipe, the Table State of the Magiliantary and Tipe, the Calent State of the Magiliantary of the of the Magi

ROBERVALLIAN Lives, a Name given to certain Lines, used for the Transformation of Figures; thus call'd from their In-

ventor M. de Robertual. See TRANSFORMATION, &c.

The Abbot Gallyr, in the Memoirs of the French Academy, of the Lenden-Balls to whose Diameter its equal, the following to a hoterves, that the Method of transforming Figures, Numbers being multiplied by 7 give the Heighth HE. The Achort Galleys, in the Methods of the French Academy, Az. 1693. Otherwes, that the Michod of transforming Figures, explaind at the latter and of M. de Robersal's Threatife of Indee-fifier, is the Inner with that lince published by Mr. From Gre-ry, in his Univerfal Geosciety; and thus, by a Letter of Twintidi's, it appears that Robersal I ad invented this mome of transforming to the Computer of the Compute

Figures, by means of certain Lines which Torracelli called Roberwalken Lines. "In highly probable that "? Group first humal like adds, that "in highly probable that "? Group first humal like and the state of the

ROBORANTIA, in Medicine, Strengtheners; or fuch Me-

dicines as freeighen the Parts, and give new Vigour to the Con-flitution. See STRENGTHENER. ROCAMBOLES, a mild, pleafing Sort of Garlick, by fome

ROCAMBOLES, a mild, pleasing Sort of Garlick, by tome call'd Spamio Garlick; being much of the Nature of Shalor; and well known in Cookery, in Quality of a Sauce. ROCHET, a Lawn Garmout, wore by Bilhops and Abbon; refembling a Surplice, except in this, that the Sieeves are gather-ed at the Wrilt; whereas the Surplice is quite open. See Sur-

The Regular Canons of St. Augustia do also wear Rochets un der their Copes.—Minage derives the Word from the Lasin Re-chettar, a Diminutive of Roches, uted in the Writers of the lower Latin for Takes, and formed originally from the Grawan, Rock. ROCHETS are also the Mantles were on Days of Ceremony, by the Peers fitting in the Esgift Parliament. See PEER and PARLIAMENT

Those of Viscounts have two Bands or Borders and a half; those of Earls three; those of Marquesses three and a half; and those of Dukes four. Larry.

ROCK, RUPES, a large Mais or Block of hard Stone, rooted

ROCK, RUPES, a sing stand of more or man sount routed in the Ground. See Strons.

There are various Ways of breaking Racks with Wood, Ganpowder, &c. See Quarray, Wood, &c.

We have Roads, Grotto's, Labyrinths, &c. dag through Racks.

See Roads, Grotto's, Labyrinths, &c. dag through Racks.

The Word is normal of the Greek etc. Risea, Cleft, Chink;

inc word is formed of the Greek 24th, Roma, Cleft, Chink; and pff from genyone, I break; who cace gases, a from River. Rock-Work, Rocallia. See Sittal-Work. Rock-Gride, or Cryfiad of the Rock is that form'd by a Congolistics of the Implifies Juicos which trickle down in Rockr and Carrents. See Chiratel.

ROCKET, in Pyrotechnia, an artificial Fire-work, confifting of a cylindrical Cafe of Paper, filled with a Compolition of certain combustible Ingredients; which being tied to a Stick, mounts in the Air to a confiderable Heighth, and there burits. See Pyroyrectinia and Fire-Works.

The Resket has a great Part in all Fire-Works of Entertainment, being not only used fingly, but fometimes, also, as an Io-

gredient in others

Belides the Rocket here defined, which is properly call'd the Sky-Rocket, there is another, which from the Sphere it moves in, the Water, is denominated Water-Rocket.—The Mechanism, Preparation, ey, of each whereof, we shall here describe

#### Method of making a Sky-ROCKET.

1°. A Cancave cylindrical Mould; or Frame, AB, Tab. Zöfed-lany, Fig. 7. is turn'd, of hard Wood, with a Bale BD, and a Capital HC, ufusly adorned with architectopical Mouldings.—

days, Fig. 7, to therefor, of head Woods, with a fight BMD, and a fifty. The Collader is to be open as their fixed, and in Dimensions, Fixed Collader is to be open as their fixed, and in Dimensions, Fixed Collader is to the Collader of their fixed with the Collader in represent Quantum of the Collader in the Collader ture he divided into 100 Parts, according to the different Weight

| Leaden-Ball. | Subseptuple of<br>Altitude HE. | Weight of<br>Leaden-Ball | Subteptuple of<br>Altitude HE |
|--------------|--------------------------------|--------------------------|-------------------------------|
| 1            | 100                            | 20                       | 86                            |
| 2            | 98                             | 30                       | 82                            |
| 4            | 26                             | 40                       | 78                            |
| 1 6          | 94                             | 50                       | 75                            |
| 10           | 91                             | 70                       | 67                            |
| 15           | 88                             | 100                      | 57                            |
| 1            |                                |                          |                               |

The Frame-being ready, a wooden Cylinder on Mould AB Fig. 33, in provided, which Dammeter a 1 of the Aperture of the Frame, first of the Aperture of the Frame, first of Fig. 1 and Fig. 32, in provided, which Dammeter a 1 of the Aperture of the Frame, Fits of the Fit of Fit o

Limity, the scales is forced, as it represented in all Leg. 9, once being taken to do it in the nucléa.—Scene, indeed, bore the Rossies as they fill it, by thrulling a long, thany Spoke through the lower Baits, and drawing it our again when the Rossies is felt; But 'this beti not to bore till the Rossies be to be used.

The being is no go two thinks of the Heighth of the Rossies, abuting one Diameter of the Cavity. The Diameter of the Bore

bating one Diameter of the Cavity. The Diameter of the Bore in G is to be 2 of the Diameter of the Cylinder; and in L 2 of

the lower Diamen the lower Diameter.

To make the Rasset mount flraight up, it is tied fuft to the End of a long fleeder Sitck, MN, eight times as long as the Rasset; a lost manner as that when operal on the Planger near the Touch-hole F, the Srick (which is usfailly made buggeft as the End, and Holmay gradly to the other) may perponderate, the very little—The Rasset has equip d, is long at freedom, and lighted with Part-life. Set the State of the

Note, Some influed of a Stick to make the Racket mount, fur-Asset, Some intend of a State to make the Resets mount, fur-mish it with two Wings, as MN, (Fig. 10.) which have the fame. Effect: And inftend of Paper some make the Cafes of Wood, covert with Leather; others of a this Iron Plate. And some, inftend of a wooden Shek use an Iron Wite, with a Plummet at the end of it.

The Composition wherewith Roskers are fill'd, confills of the three following Ingredients; own. Sale petre, Charceal, and Sul-phar; all well ground: But the Proportions of thefe are various for Reches of various Sizes; as in the following Table. Noting, that in fmall Rockets Gun-powder Duft is added

Compositions for ROCKETS of Querious Sixes.

| 100, or 60<br>50 30<br>20 1 | 30   | ib<br>10<br>7<br>12<br>8 | 20<br>18<br>26             | Duft.         |
|-----------------------------|------|--------------------------|----------------------------|---------------|
| 15 1:<br>10 9<br>5 5<br>3   | 62   | 8<br>9<br>5<br>8<br>2    | 16<br>20<br>10<br>16<br>15 |               |
|                             | 1    | 1 2                      | 1 6                        | 32            |
| Ounces.                     | Oun. | Oun                      | Oance.                     | Ounc.s.       |
| 9                           | 12   | 1.                       | 2                          | 9<br>15<br>12 |
|                             |      | 13                       | 4                          | 15            |
| 2                           | 2    |                          |                            |               |

Note, feveral Rockets being disposed round the Circumference of a Wheel, whether Circular or Polygonous, the Head of the one applied to the Tail of another, and the Wheel put in Moti-on; as one Rocket is fpent another will take Fire: And the Wheel be continued in its Rotation-

As an additional Organical to Rockets, 'tis usual to furnish them either with Scars or with Serpents, or Spacks, which take Fire when the Rocket bursts: And formetimes little Rockets are inclosed

in great ones, to take Fire when the great one is at its greatest Heighth.

# To make Stars for ROCKETS.

Mix 3 Pound of Sale-petre, with 11 Ounces of Sulphur, 3 Ounces of betten Gue-powder, and 10 of Antimory. Mozière the Maß with Gome-Water, and torm it into little Ealls of the Size of Fillberde; drying them well, either in the Sun or an Oven. When dry inclose a Number of them in the Conical Cap of the

#### Method of making a Water-ROCKET.

Males a Radar All siler des siles Mannes, excepting in the Number of Calasta, expred tile nig. as — Let us Dambuer be equal to that of a Lustica-Bill of two or three hecks Diameter, and let is the board to a shirl plat of a Height. Incide the Radar in a Malow Paper Oylander, which farear over with melt-Radar in a Malow Paper Oylander, which farear over with melt-Nies, The Weight of the Radar is to be in proportioned to that of the Waters, that the whole Oylander may be innounced, —Some staffed of a Oylander in structed Cons, or even a Spheroid; and fome hing a Weight to the End at which 'ris

# Theory of the Flight of Sky-ROCKETS.

Mariette takes the rife of Rockers to be owing to the Impulse or Refiltance of the Air against the Flame: Dr. Defagaters accounts for it otherwi

Conceive the Rester to have no year at the Cleak, and to be fer on Fire in the conical Bore; the confequence would be, ea-ther that the Rester would burit in the weakest Place, or that, if ther this the Reast would board in the weisked Piets, or that, if it is a Part were capally frong and all the to Infinite the Impalie is a Part were capally frong and a late to Infinite the Impalie on the Ports of the Pinnia requisite, front immunosial—Now, as the Ports of the Pinnia requisite, front immunosial—Now, as the Ports of the Pinnia requisite, front immunosial—Now, as equal, but their Durellouns country, they will definity each other's Adition. See Across and Reastrons. Imagines then the Reastro open at a thermost, by the immuno-tion of the Ports of the Ports of the Ports of the Ports of the mainter Ports open of the Ports of the Ports of the Ports of the mainter Ports open of the Ports of the Ports of the Ports of the Ports of the mainter Ports open of the Ports of the property of the Ports of the Por

the Adrian of the Flame downwards is taken away, and not use makes a Force could to a Postand adring unwards, to carry up the Rasket, and the Stick it is tited to—Accordingly, we find that if the Composition of the Rasket be very weak, to as not to give an Impulge greater than the Weight of the Rasket and Stick, it does not rife at all: Or if the Composition be flow, for that a

it does not rife at all: or of the Composition be flow, for that a final Part of it only kindia at first, the Roder will not rife.

The Stake flower to keep it perpendicular: For if the Ruder thousand specific the Choals, as thousand specific the Choals, as being the common Centre of Cravity of Ruder and Stake, there would be for much Falciton against the Air, by the Stake between the Centre and the Point, and the Point would be are against the Air with 6 more Volcity, that the Rediction of the Medium Air with 6 more Volcity, that the Rediction of the Medium and the World State of the Medium and the Rediction of the Medium and the World State of the Medium and the State of the State

would reftore it to its perpendicularity.

When the Composition is burnt out When the Composition is burnt out, and the Impulse up-wards is cess'd, the common Centre of Gravity is brought lower, towards the middle of the Stick; by which means the Velo-city of the Point of the Stick is decreased, and that of the Point of the Recket increased: So that the whole will tumble down,

with the Recket-end foremoft.

All the while a Rocket burns, the common Centre of Gravity is filling and getting downwards, and fill the fafter and the low er as the Stick is the lighter: So that it formerimes begins to turn ers the State is the aginer: so that is homestate negative to turn-ble, eve it be hum'd out: But, when the Stick being a little too heavy, the Weight of the Resist bears a lefs Proportion to that of the Stick, the common Centre of Gravity will not get fo low, but that the Resist wall rife first, though not fo fait.

ROD, VIROA, VERGE, a Wand, or long flender Stick or Staff. See VERGE, STAFF, &c. Stuff. See Verons, Statep. 67s.

ROD, is also a Land-Messister of 16 Foot 15, the fame with Ports and Pol.

RoD, in Ganging. See GAUGHOR-MA

ROD-Rugles, as antion Carltons. See REDMANS.

Black-ROD. See Black-Rod.

ROD- of a Fall, is the Part which contains the Spertm or

Scod thereof

red thereof. See Fiss, SEED &c.

That of Male-Fithes is justially diffinguished by Joft Roe, or Mit; that of the Fermale by brad Rec.

The feet Res when fqueen's, yields a Liquor refermbling Mik; whence its Name Mih; The French call it expressly Mills, laite.

See Mill.

That of Carps is effected an excellent Food.—M. Lecus-back upon examining the Milt of a Cod-Fifth with a Microfcope, found it contained more living Aminodowle than there are Men in the whole Earth. See Eoo, Anthat.cu.k, Microscore,

ROE, one of the Beafts of Chafe. See BEAST and GAME. ROE-Buck. See HUNTING.

ROE-Back, a Beaft of Chace or Forest. See BRAST, GAME-

The Ros-Back is called an Hand the first Year; Gyrir the first cond; Henose the third; Ros-Back of the first Henos the fourth; and a fair Ros-Back the fifth.

and a fair Rev-haux the inth.

The Rev-Back is a Deer well known in Germany; and forms to have also been formerly known in England, though now the Race be extinct. See Fluvring.

ROGA, in Antiquity, Donatives, or Prefers which the Magniferators and even the Proposer stands to the Senators, Magniferators and even the People; and the Popes or Patriarch to their Glery. See

The Emperors used to distribute these Rogs on the first Day of the Year, or on their Birth Day; or on the Natakis Dies of the Cities.—The Popes and Patriarchs in Passion Week.

This Cuttom of Rogs, or Largesses, was first introduced by the

This Cuttom of Asys, or Luzgettes, was first introduced by the Thibanc of the Popules, to giain the Popules more effectivally over to their Interest. The Emperors at length took it up, and made into Distributions to the People, and even the Soddery, called by the Great Writers in the middle Age POLATORES.

L. Régons le allo found titled for the ordinary Pay of the Solations of the Popules of the Control of t

diery.

The Word is derived by fome from the Latin aragars, to give, although the other from rays, I sak; hence, fay they, it is that St. Gregory the Great calls faced Diffulntioner Presents; as being to be demanded, in order to be had. See PRECALLES.

Some derives it from the Great greby, Com; because antiently contained in Corn diffributed among the Populace, the

Fantoniny consisted on Corn distributed among the Populars, the Soldleyy, etc., ROGATIO, in the Reseas Purifyeredence, a Demand made by the Contilia, on the Tributon, or the Reseas People, when a Lew was proposed to be paid. See Low. The Demand was made in their Terms; Do pre-critic and ap-point rates (for Inflance) Fire to advant a gaship Finisp? This was the Regards; and what the People returned in antivers, in 25t Roman People do appoint War to be made against Philip, was the Deetum, Decree However, the Word Regatiq is frequently used for the Decree

felf; to dillinguish it from a Ducree of the Senate.

Frequently, also, Regarise is used in the same Sense with aw; because there never was any Law established among the

Lowy becausis dates never was my Low citabilised among the Remark, but with weat don't by this late of Regulare-Officia-wis it has been real. So, the late of Regulary Decision, ROGATION-West, the Vecal immediately processing Wise. ROGATION-West, the Vecal immediately processing Wise. Tarifoso, and Wilselfish, call's Regularing, on Regular Days, the confect of the Cattoniany Propers and Proceedings after under the Private of the Earth. So: Processions. The first who proposed thirds Regularing was S. Manuserras, Billing of Pressa, who in 41% Richickled Sevent Billings, to im-pose the Charge of Cod by a Part of the Charge, to com-pose the Charge of Cod by a Part of the Charge, to com-

plove the Mercy of God by a Fift of three Duys; on occasion or an Incusion that motivapout the Country by a gost Number or an Incusion than motivapout the Country by a gost Industrial Members are in 468, on occusion of fome publick Claimities and in 468, on occusion of fome publick Claimities of the first Offices is called a Regue of the first Durry; and push the big the country of the first Durry; and push the big the country of the first Durry; and push the big the country of the first Durry; and push the country of the first Durry; and push the big the country of the first Durry; and push the big the country of the first Durry; and push the big the country of the first Durry; and push the first Durry; and pu ROLL, in the Manufactories, something wound or folded in See ROLLING

a Carde. See ROLLENG.

Row Stuffs are made up in Rolls, but Sitting, Grayfing, and Crapes, which are age to breat, and take Plains are easy to be all colleges, and take Plains and Laces, Galloons, and Petads of all Kends, see that are full Laces, Cardionon, and Petads of all Kends, see that are full and the seed of t

of being degraded from the Privileges of Matterihip in Cafe of

a actupe.

The Antients made all their Books up in Form of Rells, or little Columns; and in Gree's Time, the Libernies confided wholly of facil Rolls.—The detarnets of Parcliment, and the charge and of Papers, whereof the Rells were used, we ten the Resion that Garce any but Paper Rells were used. See Papers, Parcetters and See Papers, Parcetters and Papers.

Posses is eye.

Posses size, they pathed sevenal Sheets end to end, when fill'd
on one Side, and rosi's them up together; beginning with the
last, which they call'd Unobition, and to which they fathened an
lyony or boxen Stick, to further the Rosil.—To the other Extremity they pathed a Piece of Parchment, to cover and presure it. See Volume, Umbilicus, &v.

Theie Rolls were placed in the Libraries, perpendicularly, to the Horizon.—The Year full preferve the aptient using of Rolls for the Books they read in their Synagogues. See BOOK-BIND-

ROLL of Tabates, is Tobacco in the Leaf, twitted on the Mill, and wound Twift over Twift, about a Stick or Roller. The generality of Tobacco in America is there fold in Rolle, of various Weights: And its not till after its Artival in England.

12 E

France, and Holland, that it is cut.-Roll Tobacco is what used both for chewing and raiging. See Tonacco.

ROLL, in Lew, a Schedule of Paper or Parchment, which
may be wound up by the Hand into the fashion of a Pipe. See

HEDULE, &v...
Of these there are in the Exchequer several Kinds, viz. the cat Wardrobe-Roll, the Cofferer's-Roll, the Subfidy-Roll, Sec... See PIPE, &c.

See Perrs, edv.
The Word is formed from the Latin Randor, or Retailer, because most Influenceat and Expeditions in Law were united by worked heptor, of Perindensia John Law were united by worked heptor, of Perindensia John Law (1994) and the Control of Perindensia John Law (1994) and the Control of Perindensia John Law (1994) and the Proceedings of our author Parkinson. See Paralassiance, Rassurrias, der.
Before the use of retaining, and till the Reign of Burry VIII.
Before the use of retaining, and till the Reign of Burry VIII.
Our Statems were all expected in Proceedings of the Yorks of Course. See See the purpose proceedings of perindensia of perind from the purpose of the purpose of perindensia of perindensia of the Proceedings of the Proce

County. See Acr.

In these Roll we have a great many Decisions of difficult Points of Law, which were frequently in former Times referred to the Decision of that high Court. See STATUTE, COMMONSTRUCTURE, COMMONSTRUCTURE, LAW, Oc.

Risky-Roll, a Schedule, or finall Piece of Parchment, fre-quently fewd or added to fome Part of a Roll, or Record. Not observes that the Court ex officis, may award a certiovari ad Informandare Confirmation; and that which is certified thall be

annex'd to the Record, and call'd a Risky-Roll ROLL, in the Cufton's, is a Lift of the Names of fevers! Perfors of the fame Condition, or enter'd in the fame Engage-

ment.-Thus,

ment.—Thus,
Court Roll, in a Manoor, is that wherein the Natures, Reuts,
and Strices of each Tenent are copied and enrolled. See
Courty, Manon, Taxastry, Rexty, Sarvass, &c.
Angler-Roll, that wherein are caseful the Soldiers of every
Treesy, Company, Regiment, &c. See Mustran.
As from an a Soldier's Name is wrote down on the Roll, 'tis

Death for him to defert. See Daser ron.

Office appointed for the Cultody of the Rolls and Records in See CHANCERY, RECORD, O'V Chancery. See Chancery, Record, ev..
The Maffer of this Office is the fected Person in that Court; nd in the Abience of the Lord Chancellor, fits as Judge.

This House or Office was anticmly call'd Down Converferance a being appointed by King Heavy III. for the use of converted fears, but their Irregularities occasioned King Esteured III. to expell them thence; upon which the Place was deputed for the Cuthody of the Rolls. See ConversionUM.

A ROLL of Parchwest, is the Quantity of fixty Skins.

ROLL, in Antiquity.—From the Time of Anaflafies, we find in the Hands of the Emperors, on Medals, a kind of narrow long Roll, or Sachell, the meaning whereof has puzzled the Autiquaries.

Some immeine it to be a Roll or Bundle of Papers, Memoirs.

Petisions, e.v. prefented occasionally to Princes and Confuls.

Others take it to be a plaited Handkerchief, which the Perfons Others used it to be a pitzled kindistrictist. which the Persists who peridded at the Course, all frost has a Signal for their legal-ways and the pitzled at the signal of their legal-ways and the Language at the Commonly of his Commonly, and earlier that Europear at the Commonly of his Commonly, and the Famework of Dulft, drv. Sen Access.

Rott., or Rottlang, his also Pierce of Wood, of a cylindrical Form, used in the Conthushion of ferrent Machines, and in ferral Works and Manufactures, though functiones under other real Works and Manufactures, though functions under other other ways and the size of the size o

Years with son manufacture; accept interments under other Names. See ROLLING, CYLINDER, 64.

The on fach Relit that the Woollen, Silken, and other Threads are wound, whereof the Weaver's Works confide—For which end each Loom has ufually two, that of the Gawfe-Weavers. See Loom.

three. See LOOM.

In the Glaß Manufacture they have a running Roll, being a thick Cylinder of eath Brain, ferving to conduct the melred Glass to the end of the Table whereon large Looking-Glassies, etc. are to be eath. See Grass-Works.

The Founders use a Roller to work the Sand which they use the Conduction of the C

in making their Moulds. See Founders.

The Prefire call'd Calenders, its ferving to Calender Stuffs withal, confift, among other effectial Parts, of two Rollers. See

Tis also between two Rollers that the Waves are given to Silks, Mohairs, and other Stuffs proper to be tabled. See TABBY.

Prints, or Imprefices from Copper-Plates, are also teken by fling the Plate smathe Paper between two Rollers. See Prints. nd ROLLING-Prefe-Printing

ROM

and Rotateno-Priph-Priming.
Rotatas in Collega, see two Iren Influences of a cylindriRotatas in Collega, see two Iren Influences of a cylindriRotatas in Collega, see two Iren Influences of Collega,
Gild, Silver, and other Mentj, whereof the Planks or Pieces
are to be formid face the Species. See Correston.
Rotata, in Pliciting, see two large Cylindres or Bernels or
Rotata, in Pliciting, and revised by means of a Cont. or Gitt,
palling over each, and a Handle, which gives Morion to one of
them, draws the Carriage of the Print bedweeds and formed.
Benefit of the Contract of the Contract of Contract
Benefit of Contract of the Print bedweeds and formed.

ROLLS, in the Sugar-Works, are two large Iron Batrels which ferve to brulie the Canes, and expects the Jusee. They are east hollow, and their Cavities fill'd up with Wood; the Cylinders of which are properly the Railors. See Sugar-

the Cylinders of which are properly the Rallers.

ROLLS, or ROLLERS, among Carpenters, Misons, &a are plain Cylinders of Wood, feven or eight laches in Dameter, and three or four Foot loog; uted for the removing of Heams, buge Stones, and other like Burtheos, which are cumberiome, These Rollers are placed successively under the Fore-part of

the Maffiver to be removed; which, at the fame time, are pull'd forwards by Levers, e.e. applied behind. See Levers,

Endly-Rolls.—When blocks of Marble, or other excellive heavy Loads are to be removed; they use what they call East-

hill-field. Thefe, to give them the greater Force, and prevent their Thefe, to give them the greater Force, and prevent their burdings are made of Wood jointed together by Great-Quarters, are about double the length and theirasts of the common Rolly; and befides are give this heveral large from Props at each end.

—At a Food's Dubance from the Ends are four Mortality, or rather than the weak the property of the —At a Foor's Distance from the Ends are four Mortnilles, or ne-ther only two, but pieced through and through; into which are par the Ends of long Levers, which the Workmen draw by Rones fathered to the Ends; fall the denging the Mortnilles as the Rell has made, a Quarter of a Turn. ROLL-Rube-Some, in Amiquity, a Series of bage Stones, ran-ged in a Cacle, then Mortni in-Kierly, in Onlymidites. There are a Would of fatherium Traditions schort them.—A-

mong the Antiquaries, some take them to be a Monument of a

mong the Antiquares, forme take treem to be a Monument of a Victory; others a Burying-Place; and others a Piace for the Corotation of the Damib Kings.

ROLLER, See KOLL.

ROLLING, RIVOLVING, in Mechanicks, a kind of circular Metons, wherein the Moycable turns round its own Axis, or

Centre, and continually applies new Parts of its Surface to the Body it moves upon. See Morrow, Revolution, Arie. Such is that of a Wheel, a Sphere, or the like.—Such, ps ularly, are the Motions of the Earth, the Planets, &c.

WHEEL, PLANET, EARTH, &c.
The Motion of Rolling isopposed to that of Shing, wherein the

ame Surface is continually applied to the Plane it moves along It must be noted, that in a Wheel, 'tis only the Circumfe-

rence that properly Roll; the relt proceeds in a compound, an-gular Kind of Motion, and partly Roll;, pertly Slides.—The not distinguishing between which two, occationed the difficulty of that celebrated Problem the Rota Airifatalica, Airifatalic's W beel.

of that excitement Problem the total Amparisms, arrigint's a treat.

See Roya Anglation, and Associates-Marken.

The Priklins of a Body in rubing, or the Rediffusee mide to
it by the roughants of the Plane in moves on, is found to be
much left than the Priklins in Sidilay. See Fractions.

Hence the great off of Wheels, Relay, See, in Machiner; as
much of the Action as political being and attention, to make the
Red for the Action as political being and attention, to make the
Red for the Action as political being and theretone, to make the
Red for the Action as political being and the results of the
Red for the Action as political being and the results of the
Red for the Action as political being and the results of the

Red for the Action as political being and the results of the

Red for the Action as political being and the results of the

Red for the Action as political being and the results of the

Red for the Action as political being and the results of the

Red for the Action as political being and the results of the

Red for the Action as political being and the results of the

Red for the Action as political being and the results of the

Red for the Action as political being and the results of the

Red for the Action as political being and the results of the

Red for the Action as political being and the results of the

Red for the Action as political being and the results of the

Red for the Action as political being and the results of the

Red for the Action as political being and the results of the res

For the Laws of Easter rolling on inclined Plants, for Inclined-LANE, DESCENT, &c.

ROLLING-Profi-Printing. See PRINTING.
ROMAN, fomething belonging to the City of Rome.
The Roman Communication Library from the Expulsion of the

The Roma Communication brief from the Expedient of the Rogows, to the Black of Penings, 460 Years—The Roman Companies, and the title of Penings, 460 Years—The Roman Companies, and the taking of Confinational to the Tark in 310-little 339 Years. See Constantwards in Part Park in 310-little 339 Years. See Constantwards The Roman Companies of Roman and American Companies of American Companies of American Companies of the Penings of the Penings Roman Communication (Panies and Penings). The See Constants of the Penings of Tark in 410-little 2018. Page 140-little 2018. Pa

xxxxx. 27. the City of Tarfor in Ciliais, a Native of which he was, having the Right of Reusen Chitens. See CITYEN.
For the Rosen Senats, their Magifray, Osiplia, Saddiey, Trikes, Contr., Month, Villeyin, Madigney, Cam, and Other Matters (1se), ting to the Antiquities of that People, their Polity, Refigue, Lawn, Capture, Sec. See the respective Anticles in this Work.
The Rosen Payle is the Dignity of a Cardinal. See Can-

The Romen, or Ramijb Church, that whereof the Pope is Head; in opposition to the reformed Churches. See Church, Pops, etc.

The Rossus Law is the Civil Law, or the written Law, as compiled by the Emperor Jufinian. See Cavil Laws.

A Rossus Charty, among Paintens, is a Picture of a Woman fackling an old Man.—Rossus Knight, &cc. See KNIGHT, de

King of the Romans, in our Age, is a Prince elected, and defign'd Successor to the German Empire. See King, Empire. and ELECTOR

and Electron.

ROMAN Gamer, Ladi Reasani, were felerm Games held in anejeat Rame. See GaMer.

They were thus called by way of Eminence, and on Account
of their Antiquey, as having been infiltured by Reasaba.—They
were also called, iometimes, Magai Ludi, from the great Pomp

Leasabas Messed, formatings Candida, Inseria prespectful and Expense thereof; formetimes Confushes, because performed in Honour of the God Neptons, who was also called Confus, in his Onlity of God of ferret Councils. See Consulation.
They also here the Denomination of Last Greenste, because

They also bore the Denomination of Lash Coreasfu, became held in the Crow. See Cincersus Lash, &c. This Solemnity, Haheransflows observes, was originally infli-tuned by Evender, in Honour of Neptsees under the Name of Israells, whence the Felival is felf was call'd termograms, and was alterwards renew? By Remake in Honour of the fame Deity, only under another Name.

only under another Name.
For Rossolva needing the Advice of a God to council him in
the Delign he had to fornish his new Cirtzens with Wives applied to the God of fecret Council himielf, Gesfor; prochamed the Cosfoalos, and juvited his Neighbours all a-round to

cames not conjugate, and invited his Neighbours all a-round to the fill Colchwinion thereof—The Configuence way, the Ripe Configuence was the Configuence with the Configuence The press Coremony in these to be open-time thereof. The press Coremony in the Configuence was the Configuence required the first and Alias, adverd with Configuence, and the Configuence regarded the first Author of Hoste-riding. Their Hories, between we was the Configuence, or fitch as were merchy led up and down for State; and dynamic, which were for Race and Execution.

The other Divertions were Fencing, and that 'till one of the Combinants were kild on the Spot, against with Berlis, and at Combinants were kild on the Spot, against Running, Leaping, Septing, Horfe-Races, Chinot-Races, Cr. See Circus,

GLADIATOR, &c. Their Games, Livy tells us, were improved, and render'd much more magnificent by Torqueues Profess.—Moustins fays, they were held on the Eve of the Nooes of September, i. e. on the 14th Day of the Month.

ROMAN Order, in Architecture, is the more usually called the Composite. See Composite.

ROMAN Balance, or Statera ROMANA, the Steel-Land. See
Balance and Steel-YARD.

ROMANCE, antiently ROMAUNT, and ROMANT, a fa-alous Relation of certain Intriogues and Adveotures in the Way buless Relation or certain introgues and naverouses in the way of Love and Gallistry; invested to entertain and influed the Residers. See Fablus, Novell, etc.

M. Fourcastle, calls Remarker, Poems in Profe; and the great Bogs is not averife to their being admitted as pocifical Pieces.

See Poula and Pourary.

See Trout and Pourary.

Serving side for Verification, via cenniu an Epic Poem, and a Reseave are should the lines thoug.—The jair Norson, there-juiled the Poula and the Allegory of as Addito Reseave, by Indirections disjuist under the Allegory of as Addito Reseave, by Alastication edition, of the Poula and Pou See POEM and POETRY.

poted and surprizing.—The Sentiments fall noder the fame Rules as in the Drama. See Sentiment.

vertely Designes but have the Edisputed Haddens, whetein be relieved to Amount of Theogene and Greenber. —Leftly underted from Colle my be redd to the Pitcher of Perrieman, Manus, or Manus Colle my be redd to the Pitcher of Perrieman, Manus, and Indian College of the Perrieman College of the Per

great Number of Hillerins of the like Kand were wrote Brawner, in the Time of Pobling the Bary, if Austron whereof found to improve on each other, controding who should go furthed in the Advantage words in the Court Language of that Age; which was plot the word in the Court Language of that Age; which was fellow word with the Mark of where the Brook at the Age; which was the words in the Court Language of the Age; which was the Age which was the Age which was the Age when the Age and the Age when the Age when the Age and the Age when the Age and Age an at keryth our Rammer. See ROMANS.
Others derive the Word from the Spanish Ramasfers, I invent,

as intimating Ramanus to be more Factions.-And bence that the amount Poets of Propeser, who were the first great Dea-lers io Ramavers, are call'd Treabadours, q. d. Finders or Inven-

See TROUBADOUR

The Fresch, above all other Nations, have applied themselves to this kind of Writing; whether it be from the natural Taste to the Bard of Wering; whether it is from the mount Their and Grains of the Perchys of room the frescope, et al. which they Converte with the Women — They begin thickly with Inthey Converte with the Women — They begin thickly with Inman and the Women — They begin this with Inserved the Women — They begin the Women of the Inorder of the Women of the Indian American Section of the Indian Indi

by the common People. See Language.

The Remain having fabeled the Gault, infimited Part of their Language among them, a mixture then of half Larie, half

Gaulio, conflitted the Roman; whereof the modern French is only an Improvement. See FRENCH.

The vulgar Language was the Wallers, which was the original Gasifib. See GAULISI. Hence, to Euromane, was to write in Rammy, &cc. See ROMANCE.

# ROME-Seet, See PETER-Pence.

ROMPEE, or ROMPU, in Heraldry, is applied to Arms, or other Ordinaries, that are represented broken; and to Chevrons whose upper Points are cut: As in the adjoining Figure

 He bearth a Chevron respect, between three
Millets, Or, by the Name of Szult.
 RONDEL, in Fortification, a round Tower,
formetimes erecked at the Foot of a Baftion. See Tower,

ROOD, a Quantity of Land, equal to the foorth Part of an Acre; and containing 40 fquare Perches or Poles. See Acre.

ROOF, in Architecture, the uppermost Part of a Building. ROOF, in Architecture, the uppermedt Part of \*s Building, See Burlinsso.

The Roof contains the Timber-Work, and its Furniture of State or Tike, whetevoith a Hoode is covered, or that which ferves it as a Cover.—Though Carpenters usually relitrial Roof to the Timber-Work only. See Cover. Roots and Roots.

The Form of the Roof is various; functiones 'tile painted, in which Caste the most beautiful Proportion is to have in Frolise which Caste the most beautiful Proportion is to have in Frolise

an equilateral Triangle,

Sometimes Square, that is, the Angle of the Ridge, is a Right Angle; which, therefore, is a mean Proportional

paradrad Markov 
Sometimes in the Folking of the first Building. See Plantforki is, inflered of terminating in a Sometimes 'iis transating' that is, inflered of Angle, 'tis cut figure off at a certain Heighth, and coverd with a Terrafi, and fornetimes incompatited with Ballutrade.

See Transas.

Sometimes "it in Marmer of a Dose, that is, its Plan Square, and the Contour Circular. See Dosts, Curpella, Gr. Cort. and the Contour Circular. See Dosts, Curpella, Gr. Cort. and the Poolica alced Delocer.—Sometime to Bulle being volved, page, its cut off to dimensh is Heighth, and covered with a Termifyold Lead, and a last his time fundles, with Sylv\_Hights from Cort. Special Cort. and Co See House, ev.

ROOF-Trees, or RUFF-Trees, are the Timbers in a Ship which from the Helf-Deck to the Fore Coffle.

go from the 1461-Deck to the Forn Calif.
The Term is also add first the upon Timbers of any Badd-leg; whence in the Northern Counties, it is common to figure
a under Earlie, by theying, all under facile, one one Reference
of the Statings—See Procursors, Horsey, Fartersthey the Statings—See Procursors, Horsey, Fartersthey the Statings—See Procursors, Horsey, Fartersthey the Statings—See 
The Rost confifts of woody Fibres, cover'd with a Bark, more or lefs thick.—It arises from a little Point in the Seed, call'd

There or sea tracts—It must room a rate room in race-room, such radials. See Radial

Plants where Part of the Ross lies bare.

The Ross in Plants has been observed to do the Office of the

Stomach in Animals; that is, to make the first and principal Pre-paration of the nutritions Matter.—M. Rensame shows that the Real does the Office of all the Parts in the Belly of Animals destined for Nutrition; it being the Rest that receives the Neurishment that interests its digethe it, alterns and changes it into Sap, to be afterwards distributed to all the Parts. See Sap. The final Colour, and even Tatte, these how confidenable an Alternation the Juices undergo in the Root; so that the Root may

he laid down as the Principle of Vegetation. See VEGE-

Plants growing at the Bottom of the Sea have this peculiar to them, that they have no Restr; at leaft the Parts which do the Office of Restribave nothing of the usual Figure thereof.—These Onice of Newt have nothing of the urial Figure thereof.—Their plans are utility influend to fine fold Bedy; a shering to it by a very finnoth pelifit? Limina, which does not find furth any Fibre. Add to tils, that the Body to which they after, being frequently a Nock or Film's appear very unif to teed them, in Cali they had Now. M. Januarjer's, thereforte, copic/cures that they are fad by a Jince afforted them by the files city! Mud at the Bottom of the Sea, which they receive by the Peers of the exrior Surface of the Lamina.

terior Surface of the Lamina.

Berhaeve oblivers, that the Rest may have any Situation at Plantare, with respect to the Body of the Plant, nor needs to be plantare, with respect — becomingly in Alone, Carol, Moffles, Pungari, d. et al., Moffles, Punched, and in Growth downwards. See Conata, Mora, Punctural and Strings from the Bottom of the Plants, diffined from each other.

2°. More thick and groft, which have a Body Thick and Groft, either branched out toto Subdivition or Arms; or elfe

nding out Fibres from it all along.

There laft are either Carnows, which again are either, r. Broad and Swelling, or

Erread and Stender, which are commonly harder and most woody.

The Broad and Swelling are,

Bulkow, which consist but of one Globe or Head, and fend out Fibres from the Bottom, and are

Cinter,

Squamosfe, or Scaly, as Liffer or Martagan,

Casted, which are involved in Skins or Costs, as

Crps, Hactathon, Allians, &c.

Twersau, which are of a carnous, folid, and conwhereas, which are of a carnous, folid, and con-tinued Confiftence, and these either,

1º. Simple, with but one Globe or Head, as Re-ps, Crean, &c. 2º. Manifald, as Afphodelar, Passaio, &cc.

ong Rosss are either (1.) Sarasentows, i. e. twiggy, or branching, which shoot or creep out Transverse or in Breadth: Of these forme are Generalates, knotty or jointy; as Comb-

Grafi, Admir, Sec.

(a.) Candifrant, I. e. Stemmy or Stally, which shoot down darp directly, though often finding our Fabrush and Strings from the great Stem, which also it fell is fometimes divided or breaching.

Roovy, in Medicine—The principal Roov sale in the Practice of Medicine, and, Rabous, Rhymaticus, Sas-Jeparilla, Iga-tice of Medicine, and, Rabous, Rhymaticus, Sas-Jeparilla, Iga-time of Medicine, and, Rabous, Rhymaticus, Sas-Jeparilla, Iga-time of Medicine, and, Rabous, Royalla, Rabous, Rabous, Rabous, Royalla, Rabous, R Grafi, Mints, Scc.

rain Jalop, Zedony, Galangal, Caffannar, Gentian, Terme-rai, Limaric, Mader, Scc. See each deferthed under its pro-per Article Rhubarb, Rhapontic, Saraparilla, Ipeca-

ANHA, &c.

UNITED, & C.

ROOT, in Mathematicks, a Quantity which is multiplied by a filt, or a Quantity conflicted is the Bain or Foundation of a filt of the Matter of 
uare.—Thus 1 : 2 : 4.
If a figure Number, as 4. be multiplied by its Root 2. the

If a former Number, at a, be multiplied by its Rest z, the reported 8 is entitle 6 cc, she, of their diverser of a z and with respectively the control of th

To extrall the Rest out of a given Number, or Power, 28 8, is the same thing 28 to find a Number, 28 2, which being multiplied into it self a certain Number of Times, v. g. twice, produces the given Number, as 8.

# To extract the Square ROOT, See EXTRACTION.

 $\sqrt{s+b}$ . Real ROOT.—If the Value of x be positive, i. e. if x be a positive Quantity; e.gr.x=r, the Root is called a real or true Root.

ce FOST IVE.

Falls Rost.—If the Value of x be Negative, e. gr. x=-5.

The Rost is faid to be falls. See Negative.

Imaginary Rost.—If the Value of x be the Rost of a negative. Chantity, e. g. V-5; 'is faid to be integranty.

The great use of Algebra is to bring Problems to Equations; then to reduce those Equations, or to exhibit them in the most

fimple Terms. See REDUCTION.

What remains after this to the Solution of the Problems, is to ex

tract the Roots of the Equations thus reduced, be they Lices or

that the Kosts of the Legations thus reduced, be they Lices on Numbers. See Resolutions.

Estradism of the Roots of Equations. See EXTRACTION.

ROOTS, RADIES, in Grammis, are the primitive Words of a Language, whonce others are compounded or derived. See Par-MITTER, COMPOUNDS, and DERIVATIVE.

Thus, the Latin Flas is the Rost of fadise, faxis, flamen, faffrum, infaxus, refluent, fadifer, fadiform, fafricares, Sec.

Thus also the Greek Sis, is the Rost of Sist, aSus, inSurraques,

Sec. And thus also, though in a less proper Sense, the Danillo road is the Ross of the English Ross: The Latin Radix the Ross of

the Franck Rasion, as rado is the RaW of Radius; and perhaps jabbe the Raw of rado.

The Gork and Halfware Tragges are beam: by Rams—OF The Gork and Halfware Tragges are beam: by Rams—OF De Rows, and Application of the Control of the Description of the Control of the Control of the Broad Academy, in the Edition 17% is the thrown to note out usual Alphaberical Order. See Devroonator.

ROPE, an Affirmings of Several Yurith or Strings of Henry, without together by means of a Vixed; Of vention 16%, as in

When the Rose is made very thick, 'tis call'd a Code's, and when very finall, a Cord. See Cables and Cord.

The greatest Consumption of Roses is in Navigation, for the tackling of Ships; where, though Ropes include the whole Cor-dage. See TACKLE and SELF.

dage. See Tackle and SHIP.
Yet there are feveral Ropp paticularly fo denominated: As, the
sutering Ropp, hung at the Ludder to help People up—The TagRopp—A Balb-Rope, wherein the Sail is fowed—Basp-Rope, to
which the Buoy of the Anchor hungs—Guife-Rope, to row the
Long-Boat—The Keel-Rope—The Backer-Rope, to tow the
Long-Boat—The Keel-Rope—The Backer-Rope, To day
to fave the Rudder if it filled d chance to be best off—Pyreseter-Rose, to fave the Yard in Cafe any Part of the Tyes should be broke—Brisg-Rope, to lash the Panels to the Mails—Gay-Rope, to keep the Foremast forwards, directly over the Hatchway. And Bust-Rope, by which the Rope bangs, or is fastened a-ftern of the Ship-

ashern or toe samp.

ROPE, CORD, or STRAP, in the Manage, is any of these tied round a Piker to which the Florie is fastned when they begin to quicken and supple and teach bim to see from the Shamb-

gin to questen and fupple and teath bins to nee trott me summu-ners, and not gallop failty or incompacity. See Pill.Lth. In those Manages where there is no Piller, a Man stands in the Centre of the Ground, and holds the end of the Roy. Royres of row Pillers, are the Royer or Reins of a Cavazon, used to a Horse that works between two Pillers. See Pill.Lth.

ROPE-Tarm, is the Yarn of any Rope untwifted. See FILLER.

It commonly conditts of Cable-Ends, which are worn our;
and are called Janks of the Cables.—It ferves for many Purposes

among the Sailors.

RORIFERGUS Duck, o. d. Dew-droccing Pipe; a Name given the Thousick Duck, from its flow Manner of conveying, and as it were, infilling, the Coyle into the common Stream of Blood. See Thou acre—Duck, &c.

ROS, Dew. See Daw Ros Virinis, among Chymists, is sometimes used for the first Phlegm dishil'd from Virial in Balmo Mario. See VITRIOL.

ROS Phrsus, among Chymuths, is fornetimes uted for the furlt Philipm diffilled from Virtical in Baluss Maria. See VTTROL. ROSADE, a kind of Liquoro, prepared of pounded Almonds and Milk, mirk wisk classified Sugar. ROSARY, in the Ramijo Chauch, a Chaplee, confifting of five or fifteen Decads or Tens of Brads, to direct the Recitation of to many dev Blands, in Honorar of the Virgin. See Clas-

ROSARY, is also a particular Mass or Form of Devotion ad-dress to the Virgin, to which the Chaplet of that Name is ac-commodated. See Virgan.

Some attribute the Inflitation of the Refery to St. Deminick; but F. d' Achery thews it was in use in the Year 1100; so that St. Damirock could only make it more celebrated.—Others attri-bate it to Pawler Libyer, and jothers to St. Bernad?; others to the Chartreux; others to venerable Bede; and others to Peter the

Those who attribute it to St. Develoids, differ as to the particular Time of its Inflictation; some referring it to the Yess 1208, when he present against the Advantage of the state will have him to have set it on foot in the Coarse of his Millions in Soals, etc.

have fet i on foot in the Confec of has Millinen in spane, even begind into Press., or of our Lady of the Bossary, it is not been of the Rossary, or of our Lady of the Bossary, it is not been of the Rossary, or of our Lady of the Bossary, it is not been pressed by obtavarion, and the plant Bossary, and the State never inflienced any Order under this Numer; and Confess, when the Community of the Confess and the Proposition of the Confess and 
Rejary on certain Days.

After all, F. Helyst doubts whether or no fuch an Order ever criffed Sec ORDER.

cuited. See ORIUM.

ROSE. ROSA, a medicinal Flower, produced by a Shrub of the lime Nime; which gives the Denomination to feveral Prelame The Mine of Professor of the Control of the Medicine are 
feel and Damask Rojes—The Domesk are a good and fair pass.

For the Mine of Rojes are various: The Domesk are a good and fair pass.

For the Mine of the Medicine are the Control of the Medicine are 
feel and Damask Rojes—The Domesk are a good and fair pass.

For the Mine of Medicine and Medicine are 
feel and the Medicine are 
for the Medicine and Medicine and 
for the Medicine and Difference of the Eyes 

COMPARY.

MINE OF THE MEDICINE AND THE MEDICINE AND THE 

FOR THE MEDICINE AND THE 

FOR THE MEDICINE AND THE 

MEDICINE AND THE 

FOR THE MEDICINE AND THE 

FOR THE 

FOR THE 

MEDICINE AND THE 

FOR THE 

F

Sugar of Roses, is made of Red-Rose Leaves, dried in an Oven-

ulverized, and put into a proper Quantity of Sugar diffolv'd pith a little Water in a Chaing-difh, over the Fire. with a little water in a Coning-only, over the Err.

Tha Tradion among the Antients, that the God of Love
made a prefers to Hipperates the God of Shenes, of a beautiful
Rofs, the first that had been known; to engage bits not to difcover any of the private Practices of his Mother Persa.—And
hence it became a Callom to have Rofs planted in their Rooms
of Minth and Constrainment. 

mask-Rofer. See WATER.
It is a good Cordish, and was formerly highly effected; but is fince fillen from its Reputation, and is little used but in Difference of the Rofer, and in Perfermes and Waylines.
This, however, in great effects in the East, particularly in Contract March 1986, where the Tartack therein is surger confliction.

China and Perfis, where the Trade thereof is very confiderable. The Roft Leaves remaining at the Bottom of the Still, have the

The Roy Letters remaining at the Bosoms of the Sill, have the manufacture (southern Southern Sill) and the Sill of the Parliance (southern Sill) and the Sill of the Sill of the Sill of the full Sindhy in Lett. which they for Letter in Man on the full Sindhy in Lett. which they for Letter in the Sill of the fact that is, the sill of the Sill of the Sill of the Sill of the fact to Sill of the Letter in Sill of the Letter in Sill of the Letter in Sill of the Letter in Sill of the Letter in Sill of the Letter in Sill of the Sill of

ofter had for its Budge a white Roje; that of York a red one. See FACTION. Rose-Wood, Lignum Rhodium, on Afpalathum. See Aspala-

THUM

ROSE, in Architecture and Sculpture, an Ornament cut in te-femblance of a Rof. See Ornament.

It is chiefly nied in Frizes, Corniches, Vanles of Churches; and perfecularly in the Middle of each Face of the Corinthian Abseus. See Asacus.

And in the Spaces between the Modillions; under the Pla-ords of Corniches. See MODILLION.

Rose-Noble, an antient English Gold Coin, first fireck in the

ROSE-Note, an antient seepe color color, but reroce in the Region of Estand III. and then call'd the Penys of Gold; fince call'd Refs. Noble, became framp'd with a Refs. See Morrer, It was Current at 6a. 8d. See Norme and Color. ROSEMARY, Rosmarkivs, a medicinal Plant, whole Flowers are of confiderable use in the prefer Practice.

They are effected the principal Aromatick of our Growth.

Dr. Swary freeks of them as good in most nervous Complaints.

Cipically facts as arise from too great Mostlure and Cold, as they are hot and dryage—In Epiglies, Apoplemes, Pulics, &r. they are rarely omitted in Preservoiro, under one Form or other. See APOMATICE They abound with a fabile detergent Oil, which makes them

deobstruent and openings whence their use in uterine Obstructions, the Laundice, eve

They are the Basis of the celebrated Hongary Water; with a small Quantity of which, diluted in common Water, the Confectioners make Conferve of Rossmary Flowers, Essence of Rossmary of mary-Water, e.e. See Hungary-Water. ROSICRUCIANS. See Rosycrucians.

ROSIN, REINA, in Planting. See Resina.

ROSIN, REINA, in Planting. See Resina.

Rosin, is particularly used for a refinous Matter, prepared much place of the Pine-Tree; in ordinary use for the making West, 64.

Mr. Bear in the Phil. Tranf. gives us the Preparation of this course Drug, in the Southern Parts of France; thus.—The Bark being pared off the Pine, to make the Sap run down into a Hole being parent of the rank, to finace the eap run down and whater made at Bottom to receive it; as the Junce runs it leaves a Cream or Cruft a top; which being temper'd with Water, is fold, by a Cheat, for white Bee's-Wax. See Wax.

When they have got a Quantity of the Juice they firm it arough a Basket, and what runs through it is the common Tar-

What flays behind, they mix with Water, and diffilling it in who also believe the Matter that titles is the Oil of Turpesture; and the Calk that remains is the common Rofes.

ROSOLIS, popularly, Ross-folt, Sam-Dus, an agrecuble spirituous Liquor, chiefly taken after Meals, by way of Dram, to

aid Digestion.

The composed of burnt Brandy, Sugar, Cinnamon, and Milk-Water, and is fometimes performed with a little Music. It had its Name because astiently prepared wholly of the Juice of the Plant Res felis; but that Plant is no longer any Ingredient

The both is that of Tarim—The French have a particular Kind not called Res fifts, but do Rey; because asfed with good Effect by the late King Lewin KIV.—The composited of Spawin Wine, wherein are infuted Anis, Fennel, Aneth, Coriunder, &c. for three Weeks.

ROSTING. See DRESSING, FOOD, &c. ROSTRA, in Antiquity, a Part of the Roman Forum, when n Orations, Pleadings, Funeral Harangues, &r. were delivered. See FORUM.

The Roftene was a Kind of Chapel, taken out of the Rosens, and furnished with a Suggestum, or Eminence, call'd also the Roften, where the Orators Ipole.

It was adorn'd, or, as Eng Isys, built, with the Beaks of Ships

taken from the People of Antions, in a Naval Engagement; whence the Name. See ROSTRUM. ROSTRALIS Corana, ROSTRAL Crown, in Antiquity. See CROWN.

ROSTRALIS Colomus, ROSTRAL Coloms. See Column. ROSTRI-FORMIS Preceifus, in Anatomy, the fame as Coracsides. See CORACOIDES

ROSTRUM, in Chymiftry, fignifies the Nofe, or Beak which ouveys the Liquor diffulld, into its Receiver; in the comm Alembicks. See Alemaich, Receiver, Distillation, &c.
Rostraum, is also a crooked Sciffins, which the Surgeons in
fome Cafes make use of for the Dilanation of Wounds.

ROSTRUM litterally denotes the Beak or Bill of a Bird. See Bill.
Hence the Word is also figuratively underflood of the Beak, or Fore-part of the Head of a Ship. See HEAD, Stup. & See also Route.

ROSYCRUCIANS, ROSSERUCIANS, or, Bresherr of the Ro-sy-Cross, a Name affamed by a Soct or Cabal of hermetical Philosophers; who arole, or at leaft became first taken Notice

of in Germany, in the Beginning of the last Century. See HER-METICAL. They bound themselves together by a solemn Sceret, which they swore inviolably to preserve; and obliged themselves at their admission into the Order, to a strict Observance of certain esta-

billifd Rules. They pretended to know all Sciences, and ehicfly Medicine; whereof they published themselves the Reflever.—They pretended to be Maffers of abundance of important Scerets; and among others, that of the Philosopher's Scoon; all which they affirm to have received by Tradition from the strainer Registrans, Cell-

alone, the Masi, and Gymnasisphile. See Philosopher.'s-Stone.
Their Chief was a German Gentleman, educated in a Mona-

Grossoy, he form'd a Society, to whom he communicated the Secrets he had brought with him out of the Eng. and died in 1484.
They have been diffinguished by feveral Names, accommo-

dated to the feveral Branches of their Doctrine.—Because they pretended to protend the Period of human Life, by means of certain Nafarawa, and even to reflore Youth; they were call'd Introort alea As they pretended to know all things, they have been call'd Illuminary, and because they have made no appearance for seve-ral Years, but have kept altogether most, they have been call'd

Their Society is frequently fignified by the Letters F. R. C.

which fome among them interpret Fraires rois soffi, it being pretended that the Matter of the Philosopher's Stone is Deweon cofted, exalted, &v. Some, who are no Friends to Free-Mainusy, make the prefent flourithing Society of Free-Majors a Branch of References; or rather the References themselves under a new Name, or Relati-

ruther the Anjarandam themplitres under a new Natio. or Relations of set. and Renders to Bulldings—And 'tis certain, there are founce Free-Maidou who have all the Characters of Referencing but bow the Eria and Original of Massiony, as traced by Mr. Zonderfjes, and that of Referencings, been fird from Naudeux, who has worse carpeting on the Sulfect, Contiffs, we have to cheer to the College of the Sulfect, and the set of the RoTi, a Diffest, which is most letter to the RoTi, a Diffest, which is most letter to the set of the RoTi, a Diffest, which is most letter to the control of the Sulfest of the RoTi, a Diffest, which is most letter to the foundations.

which, yet, arikes not only from the Motifure, but from it; which, yet, arikes, not only from the Motifure, but from a certain Principle of Putterfaction, both in the Air and the Grafa. See ROTTENNESS ROTA, in Mechanicks. See WHEEL

Rora Arifoseksa, Arifosel's Wheel, is a celebrated Problem in Mechanieks, founded on the Motion of a Wheel about its Axis; thus called, because first, that we know of, taken Notice of by Arifletic.

The Difficulty is this.--While a Circle makes a Revolution on its Centre, advancing at the fame time in a Right Line along a Plane; it deferibes, on that Plane, a Right Line count is it Circle, which we may call the deferrer, carry with it another finaler Circle concentric with it, and rest, carry wint is amonter imager circle concentre with it, and which has no Motion but whis it receives from the deference, which is the Cafe of the Nave of a Conch-Wheel carried along by the Wheel; this fittle Circle, or Nave, will deferibe a Line in the time of the Revolution, equal, not to its own Circumfe-rence, but no the of the Wheel : For that its Centre advances in a Right Line, as fail as that of the Wheel does; as being in reality the fame therewit

The Matter of Fact is certain.—But how it should be seems a Mystery.—Tis obvious, that the Wheel advancing during the Revolution, must describe a Right Line equal to its Circumse-

rence; but how should the Nave, which revolves like the Wheel, describe a Right Line so much greater than its Greumstreace?

The Solution Argitale gives is no more than a good Explica-

tion of the Difficulty.

Galilies, who attempted it, has recourie to an Infinity of Infinitely little Visculties in the Right Line deferibed by the two Circles; and imagines that the little Circle never applies its Circumference to these Vacuities; but in reality only applies it to a ne equal to its own Circumference; though it appears to have applied it to a much larger

out 'tis evident this is all gratis diffuse.-The Vaculties are im ginary; and why does not the great Circle apply its Circumference to them? Lastly, the Magnitude of their Vacuiries must he sugmented or diminished according to the different Propor-tion of the two Circles.

tion of the two Carcia.

F. Tasper will have it that the little Circle making its Resation more thowly than the great one, does on that Account defends a Line longer than its Carcumference; yet without applying any Point of its Carcumference to more than one Point of its Bele.—But this is no more allowable than the former.

The Attempts of formany great Men proving vain; M. d'Or-taus de Mayram, a French Gentlemas, had the good Fortune to bit on a Solution, which he fent to the Royal Academy of Sciences; where being exemitted by Meff de Laweille and Sauf-

Sciences; where being examined by Medi & Lawswith and Sami-san, appointed for their purpose, they made their Report that is was Sasishchory—The Solution is to this effect. The Whool of a Cooks is only acted on, or drawn in a Right Line: Its circular Mottous, or Kontaion, arifes purely from the Rediffance of the Ground whereon is a pulpole. Now this Rence is count to the Force wherewith the Wheel is drawn in the Right Line; inafmuch as it defeats that Direction; Of confequence the Caules of the two Motions, the one Right, the other Circular, are equal, and therefore their Effects, i. s. the

ther Circulats, are equal. and therefore their likelity, i.e. to Moniton are equal. And hence, the Wheel electrics a Right Line on the Ground, equal to it. Circumference, — Triofarms in a Right Line by the finne Force as the Wheel, but it only turns round because the Wheel turns, and ein only turn with is, and at the finne time therewish. Hence it follows that its Circular Velocity is left than that of the Wheel, in the Reno of the two Circumferences; and therefore its circular Motion is less than its Rectilinear one.

Since then it necessarily describes a Right Line equal to that of the Wheel, it can only do it by fliding, or what they call the Motion of Rafes, ... That is, a Part of the circular Nave eaunor be applied to a Part of a Right Line greater than it felf, but by fishing along that Part; and that more or less, as the Part of the Nave is less than that of the Circle. See ROLLING and SLIDING.

ROTA, is also used for a particular Court or Jurisdiction in Rows, chabilihed for taking Cognizance of Brucheiary Matters, Sec BENEFICE, C'r.

The Reta confifts of twelve Doctors, choicn out of the four Nations of Italy, France, Spain, and Germany; three of them being Ressant, one a Florenties, one a Mileweze, one of Bealigne, one of Ferrera, one a Venetion, one a Frenchesen, two Spaniards, and one a German; each having four Clerks or Notaries under Their Office is to judge of all Beneficiary Caufes, both in

Rows, and the State of the Church, in Cafe of Appeal; and of all Civil Proceeds, of above 500 Crowns.

They are also called Chaplains of the Pope, as succeeding the antient Judges of the Sacred Palace, who held their Court in his

The Name Reta, Wheel, forme will have derived hence, that they officiate each in his Turn; others, because the most impor-tant Affairs of the Christian World turn upon them.—Dw Garge derives it from Rata Peoplyreties, because the Pavement of the Chamber where they formerly fat was of Porphysy; and fathioned

ROTATION, ROLLING, in Mechanicks. See ROLLING ROTATION, in Geometry, the Circumvolution of a Surface

round an immoveable Line, call'd the Ann of Rotation. By fuchl Rotation of Planes, Solids are form'd or generated. See

Dy Thuganasawa of Planes Osana actions to generate Organization, in Method of cubing Solids, generated by fuch Rotation, is well laid down by M. de Mayore, in his Specimens of the use of the Doctrine of Fuzzions—For the Fluxions of viach Solids take the Product of the Fluxion of the Abfolifs, multiplied by the circular Base; and suppose the Ratio of a Square to the Cir-

ele inferibed, be as  $\frac{n}{1}$ : The Equation expression the Nature or Property of any Circle, whose Diameter is d; is jy=dx-xx. Therefore 4dxx-x3x is the Fluxion of a Portion of the Sphere, and confequently, the Portion it felf 43 xdx-4x3, and the circumularibed Cylinder is  $\frac{Advx-x^3}{\pi}$  therefore the Pottion of the Sphere is to the circumforibed Cylinder, as ‡d—‡x to d—x. Publish. Transact. ROTATION, REVOLUTION, in Aftronomy. See REVOLU-

Diemai ROTATION. See DIURNAL Rosation and EARTH.
ROTATION, in Anatomy, the Action of the Majali Rosators; or the Motion they give to the Parts they are fix'd to. See

ROY, Of the Situation was give to the rarts they are no to. See ROYATOR.

There are two Muscles, the great and the little Ohippans, to perform the Restation of the Epg.—The Obtavator Internate and Extrans, effect the Restation of the Thighs. See Eye, etc. ROTATOR, in Anatomy, a Name given the oblique Muscles of the Eye; call'd also Circulator and Amateria. See Ohi, 1031

and RYE.

ROTHER-Beafts, a Word ufed in the old Statutes, and fill

ROTHER-Beafts, a Word ufed in the old Statutes, and fill

in the Northern Parts of Beafand, for bound Beafts, as Ozce,

Coss, Seers, Heilers, eb..

Whence, Ruther-Sail, in Hursfredbirs, is taken for the Dung or

Soil of fisch Carles. See MaxWEE.

ROTHER-Mails, are fisch salves a very fall Head, and are ufed

fishes abo Dudde Loves in Skills. See Naxy.

ROTHER-Nam, are fuch as have a very full Head, and are used to fasten the Rudder Leron in Ships. See NAIL. ROTONDO, ROTUNDO, in Architecture, a popular Termsor asy Building that is round both within and without-fide; whether it be a Church, a Salon, a Vestible, or the like. See BUILDING,

The most colesced Renash of Audquity is the Puntscon at The most colesced Renash of Audquity is the Puntscon at the Colosian Colo

with the Barons against King Eduard II. it was not thought fit, in respect of their Power, to call them Robels or Traytors, but only Contrarients: Accordingly, we have a Record of those Times call'd Retules-Contrarientism. ROTULUS Wintenies, an exact Survey of all England, by

Counties, Huodreds, and Tithings; made by King Alfred; not unlike that of Down-Day. See Donse-Day.

It was thus call'd because antiently kept at Winchester, among

If was that card because antiently keep at sessenger, among other Records of the Kingdom.

ROTUNDUS, in Anatomy, a Name given to feveral Muf-clea, from the rounded of their Body. See MUKELS.

Such are the Retaining Major, call'd also Terra Major; and the Retaining Many, call'd list Terra Mujor, and Tranforofair; which fee under their proper Articles.

ROUGE-Croft, q. d. Red Croft, See POURSUIVANTS.

ROUGH, ROUGHNESS, in Mechanicks. See Frierron and Rough-Taffe. See TASTE.

GH-Caffing. See PLAISTERING

ROUL, or ROLL, in the military Term.—Officers of equal Quality, who mount the fame Guards, and take Their turns in cleiving one another, are faid to Real. See Guan, etc.

ROULADE, in Mufick, a trilling or quavering. See Quan-

ROUND, ROTUNDUS, in Geometry. See Circle, Globe, SPHERE, &c.

SPHERE, CV.

ROUND, in Anatomy. See ROYUNGUS.

ROUND, in Mulick.—The Italians call b resead, what we call b

gar, and the French b Most, and b Square, what we call b forp.

See FLAT and SHARP, Cv. See FLAT and SHARP, C.C.

ROURD, is allo a military Term, fignifying a Walk or Turn
which an Officer, strended with fome Societies, takes in a Garrifeo or fornified Piece, around the Ramparts, in the Night-time; to
like if any thing be fifting without the Works, and to fee
that the Centries are Watchfal, and do their Duty, and all things

can me Centries are Watchas, and do their Duty, and all things in good Order. In first Carrison, the Rossad go every Quarter of as Hour, that the Rampart may be familited.—The Centries are to Chal-lenge at a Dillance; and to Relf their Arms as the Rossad pais, and been one come near them.

induce no one come near them.
When the Reads it near the Copy & Gardy, the Contry calls
When the Reads at near the Copy & Gardy, the Contry
When the Reads and Copy of the Cop

Among Maßnas, zeward are the broken Pieces of Statues. Routon-Hawfe, in a Ship, is the uppermod Room or Cabito on the Stern of a Ship, where the Maller lies. See Saus and STURN. ROUND-Hawfe is also a kind of Prifon, for the Nightly-Watch to focure Pertions in, 'cill they can be carried befor ca Mightly-than the Status of the Status See WATCH.

ROUND-Head: See WHIG 2nd TORY. A ROUND, in the Academies, is a circular Pifte or Tread.

A ROUND in the Annual Property of the Property of the Round of Hoofts is a general Term for all forts of Manages upon a Round—Hence, to river a Horfe upon a Trot, Gallon, &r. is to make him carry his Shoulders and Haunches and the Round of the Round Ro Gillop, etc. is to make him earry his isolation and Hannekes roundry or compatibly upon a largest or finalier Circle, without travering or bearing to a Side. ROUNDLIAY, or ROUNDL, a kind of antest Poem, thus call'd according to Manage, from its form; and because it fills untuit back again to the first Verfee, and this spec common Remarkley conflict of thirtees Verfee, eight where-

of are in one Rhime, and five in another. Tis divided into Couplets; at the end of the fecond and third whereof, the be-ginning of the Roundeley is repeated; if possible, in an equivocal

or punning Senie.

The Rosselday is a popular Poem among the Free. b, but little known among us.—Marot and Vectors have faceceded the beft

in it. Rapin observes, that if the Ramadaly he not very exquisite, 'its stark nought.—In all the antient Ramadalys, Manage observes, the Verse preceding has a finish d Senie; ann yet jours agreeably with that of the Coles; without depending necessifiarly thereon. This Rule well observed makes the Ramadaly more ingenious;

and is one of the Finciles of the Poem. The Word is form'd from Raund and Lay. See Lay.—The ench call it Raudeau. The Spaniards Glofis.

reach call is Randon. The Spanierds Glofs.

ROUNDLET. See RUNLET.

ROUNDNESS, ROTUNDITT, in Phylicis. See Speace

ROUNDO, or ROUNDELAY, in Mulick, a kind of Burthon or Ritornello; where the beginning of each Couplet is repeated at the end thereof. See RITORNELLO.

ROUPIA, or ROUPIAS, or RUPES, a Coin very current in

the Territories of the Great Mogal, and feveral other Parts of the Enfl-Indies. See Corn.

Respirar are fitruck both of Gold and Silver; and both the one and the other have their Diminutions; as Half-Respirar, Quarter-Rouplas, &cc.

The Gold Reaple is worth 1 s. 6 d. Sterl. The value of the The Gold Keaper is worth 1: 6a. Sterl. In a vasue or the Salver Rangia is various, according to its Quality, and the Place where its coind. A general Observation is, thus the Rengias readways Carrent for move; at the Place where they are finack, than elle-where; and the new Rengias for more thin the old ones.—
The reason of this laft difference is, that the Indulars being very The reason of this latt currence is, that the sweam being very found of Silver, to fave it, utile, as idon as they have got a few Rasplar together, to hide them under Ground. To preven which Incorrence, rending to drain the State of Current Monies, the Princes and Rajass fifthe new Rasplar every Year, fill

augmenting the Value thereof without any augmentation of the eight. Beisdes this difference of new and old Rospies, the Indians make

Bedder this difference of new and old Respiss, the Indiaser make three other Challes—The infri cell Respiss Arens, which at Reaged are worth 2 s. 11.4 Steal.—The is count, Respiss of Swarts, worth 2 s. 5.4 S. Seal.—The be thind Respiss of Maddlers, worth 2 s. 5.4 Seal.—All which is to be underthood of the new Respiss. As to the old ones, thold of Maddlers are confy Circuit at 1 s. A to the old ones, thold of Maddlers are confy Circuit at 1 s. 11.4 Steal.—Thold of Swart at 2 s. mid the Sister at 2 s. 4, 4 d. Ver at other Places, the Order and Prince varys: A starts, those of Swart at 2 s. 4 d. Ver at other Places, the Order and Prince varys: A starts, those

Yest other Pices, the Other and Pires way; As about, their limits then here their fill Pice; the Score tectoral, and does the pices of the Pices of the Score tector, the Association of the dear live the fill. Here, and the Cast of Communic, the Ma-dews live the fill. Here, and the Score tector of the Com-let Communication of the International Communication of the Communication of the Theory of the Edwister or Calley, which him that is the COUTs, predict Road, Highway; or Coule; the Coule, the Road of Theory and Regional's Solders are problemed ping on of their Road—Born are forecast one to Paris, Soroth, ev-ternation of the Communication of Hunting, Sec. 1998, 199

Some ufe Rew for a Path cut a-crofe a Wood; in opposition Way, which is a great Road. See Way.
Rour, in Navigation. See Course.
Rour is also used for the Defeat and Flight of an Army. See

DEFEAT. The Scrigants endeavour to rally the Soldiers in a Rows. See

The Word is form'd from the Latins, ropts, or rata; or the Poends, rascs, an old Word for Horder; or rather from the old Chile, Bust, Road; Signaturely used to signify Example—Ba-nage bas a learned Differentian on the Word.

Rever, in Law, is an Assembly or Combination of three, or

records in Laws, is an Assembly or Commission of tartes, or more Perform, going forcibly to commit an unitwith A&c; the' they do not perform it. See Assemble.

If they go, hile, or more forwards, after their Meeting, 'tis a a Rass, though they don't par their Purpole in Execution; if they do, 'the Rest.' See Rich.

A Russ, deteriore, feems to be an unlawful Affembly; and a Russ the disorderly Fack committed thereby. See Ricci Russ, and a safety Affect that the see a feet Ricci Russ, and safety Affect Fack, The cost, but there be a less three Periosa together; the other, that, being together, they distance Periosa together; the other, that, being together, they distance of the Peace, either by Words, here of Arms, turbulent Getture, or actual Vederece. See Usrawerqu-offinish, a feller of trede wild Beatle. See Floys 1700. A still of the devided Beatle. See Floys 1700.

ROUTIER, in Navigation. See RUTTIER.

ROUTIER, in Navigation. See RUTTER.

ROWEL among Firmen, a link of lillic. made by drawing.

Sam of Sill., Thread, Han, or the lite, through the Nage of

Chimpery is cell as Soin. See Street.

It is ROWELLING SAM. See STREET.

It is ROWELLING of Hange is Method of Care frequently but

cross the control is no investion street, in the short of Soin See STREET.

It is ROWELLING of Hange is Method of Care frequently but

cross the short short of Hange is Method of Care frequently but

The Operation is how—in shed life long made through the

Sills, about a basical below the Part agreet, sig enough to part Soin, about a basical below the Part agreet, sig cought to

part Sound Quill in, the Siln is rain'd from the Pikhi, the end

of the Quill gain, and the Siln leaved from the Haltu queed. and all over the Shoulder.—Then the Hole being ftop'd with the Finger, the Place blown is beaten with a Hazel-stick, and the

Fingers the Place blown is beaten with a Hazze-Birke, and the wind ferreal with the Haral all over; then let go.

This does, Horichair, or red Sirfener, his the thickness of This does, Horichair, or red Sirfener, his the bid-lexices of the Hazze Birker, and the Hazze Birker, the Hazze Birker Birker Birker Birker, then the Needle indrawn off, and the wor onds of the Rewl field oughther: Anonizing it every Day, as well as before the pasting its with fivee: Butter and Hogs Greise, and drawing a botkerwate and forwands in the Silen, to make the

and drawing it backwards and forwards in the Skin, to make the perired Maters (filchapp it skil more pleatibly). Others, dilliking their Bewals, as making too great a Sore and Sort, use the Preval Resuls, which is a round Flecc of fluir Leuhers, with a Hole in the mildit; hyport it six between the Flesh and Shon, the Hole of the Resul pild against this in the Skin, forwing it in with a Peccele and Thready, drawn through the standard of the Resul pild against the six of the Skin, forwing it is with a feeder and Thready, drawn through and another it first.

and ancinting it fresh. ROWING. See

ROWING. See Oar, Boav, etc. Rowing of Chaths, is the Importing of them with a Roller,

V. See Roll. ROYAL Fort. See Fort. ROYAL Antler, among Hunters, expresses the third Branch of the Horn of a Hart or Euck, that shoots out from the rear or main Horn above the Bayantler. See ANTLER, HEAD, HUNT-ING

ROYAL, REGAL, fomething relating to a King. See KING In this Sense we say, the Royal Farmly, the Royal Blood, Sec. See BLoop, Or.

In England, the Prince and Princess of Wales, the King's Brothers, &c. are address'd under the Title of Royal Highwess. See Parice and HIGHMESS.

The Durches of Sovey is called Madame Royal,
The Word is form'd from the Lates, Regalis, of Res., King. See REGAL. ROYAL Croun, is that worn by Kings. See Crown. This they also call *Imperial Croun*, being closed a-top.

I mis not have been as a color of the color of Gold meeting at the Monde or Globs, on which the Crofs flunds; and thole Semicircles adorned with Croffs and Flun-de-lites: The whole colors are consistent with a nor-least stones.

embelshed with precious stones.

A Royal Abby is an Abby founded by a King, or by a Prince who is faceceded by a King. See ABBY.

ROYAL Abby is an Abby marching with heavy Canon, capable of befeging a frong, well fortified Cay—Tis ufful to hing up a Goyemore who has the affirmance to hold out a petty Place against a Royal Ares)

points 3 Papel Arm.

The Royal One is a fair freezing. Tree at Biplied in the Paulin of Domington in Refinedium, the Bought wincerd were all companies of the Royal State of Domington in Refinedium, the Bought wincerd were all companies. The Papel Royal 
Brisson, etc.

The Abyal Affort in Parlamore being given, the Bill is endoord with trick Words. Let By be used, the is, is pleafer the King,—
the plant of the Brisson of t

The King to have the Head and Body of the Whale to nake Old on and the Oasen the Tail to make Whalehome for ore Germents. Stat: 1 Edua. I. ROVAL-Exchange, the Burle or Meeting-place of the Mer-

ROVAL-Exchange, the Butle or Meeting-place or the Mer-chintin in Landson. See Excurances.

It was first built in 1566, as the Charge of Sir Thomas Gra-fismy; and in a folemen Manner, by Heraid with found of Trum-pet, in Preference of Quene Enkander, proclaimed the Reput Ex-change.—This that time the Merchants met in Lemberd front. "I was built of Brick; yet then efteem'd the most foleadid Burfe in Europe.—An hundred Years after its Building, at the great Fire, it was burnt down; but foon rais'd again, in a ftill more magnificent Manner; the Expence thereof amounting to

Sooool. One half of this Sum was dishurfed by the Chamber of Les-dow, the other by the Company of Mercer's 19th, to reimburfe themselves, let to Hire 190 Shops above Stains, at a O. each; which with other Shops, &v. on the Ground, yield a yearly Rent of above 4900. I yet the Ground is flands on does not exceed; \$\frac{1}{2}\$ of an Acre: Whence this observed to be much the richeft Spot or Ground in the World.

'Tis bush Quadrangular, with Walks a-round, wherein the

Merchants of the respective Countries affocate themselves are the middle of the Area or Coure, is a fine marble Statue of King Charles II. in the Hahit of a Rosson Cosfur; erected by the Society of Merchant Adventurers; the Workmanthip of Grislov

cray or Netronia Adventures; the Worksmanhing of Grinker Gribber. Around are the Statues of the inveral Rings fince the Norman Conquest, ranged. ROVAL Source, is no Academy, or Body of Persons of eminent Luraning, initiated by King Charles II. for the promoting of Natural Knowledge. See Academy. This illustratous Body had in original in an Assembly of ingeni-

us Men, who before the Refrauration met weekly in Washawa Callege, in Oxford; at the Lodgings of Dr. Wilkins.

Cauge, in Oxyon's at the Longings of Dr. Wileser.
Alterwards, from about the Year 1658, many of them living
in Landry, beld Meetings at Großam-College; till they were at
length taken Notice of by the King, who was pleas'd to grant
them an ample Charter, dated 2nd of April, 1663; whereby
they were recited into a Corporation, confifting of a Profident, Counetly, and Fellows, for promoting the Konvinder of Natural Things, and
it

ufeful Experiments.

Their Manner of electing Fellows is by Balloting. Their Council are in Number 21, eleven of which are continued for the next Year, and ten more added to them, all choice on St. An-

area's Day.

Each Member at his Admiffion fuhfcribes an Engagement, that he will endeavour to promote the Good of the Socrey, from which he may be freed at any Time, by fignifying to the Pre-fident, that he defires to withdraw. The Charges are 40s, paid to the Treaturer at admission; and

3 r. per Quarter, to long as the Perion continues a Member.
Their Defign as to " make fastiful Records of all the Works of Nature or Art, which come within their reach; so that the of Nature of Art, which come within their reacts is that the preferra well as alter Agen only be enabled to par a Marie Preferra with a start Agen only be enabled to par a Marie to reflect the start of the star

the Magnet, & Numbers of foot Histories of Nature, Arts, Manufactures, ful Engines, Contrivances.

udual Expirac, Continence.

The Sevices they have been of to the Publick are very great.

They have improved Neers, Civil, and Military Architecture;

All properties the properties of the Architecture;

Appendixency and pass one cody this Region, that this Architecture,

they have registed Appendixens, Heldenies, Reference, Ortoper Principles,

They have registed Appendixens, Heldenies, Reference, Novel and the Parasitons, over our Principle,

Tool have registed Appendixens, Heldenies, Reference, Novel and the Parasitons, over the Parasiton of Parasiton of the Parasiton of 
They have a Library adapted to their Inflitution; towards which the late Earl Marshal contributed the Norfolian Library; and a Museum, or Repository of natural and artificial Ravities, given them by Daniel Columb, Esq.—Their Mottos Nullius in

Porba.

ROTAL Academy of Sciences, Sec. See Academy, &c.

ROTAL Fanger, or Panget of the Rempart, in Portification, is a Bank about three Fathems broad, and far Foot high, placed upon the Bink of the Rampart, towards the Country and to cover thole who detend the Rampart, towards the Country and to cover thole who detend the Rampart. See Rampare,

PARAPET.

ROYALITES, REGALIVES, the Rights of the King; otherwise call'd the King; Prorquive, and the Regalia. See PaircoGATIVE and REGALIA.

Of their, found the King may grant to common Performs;

RUBIA Tindistrum, a Root or Drug popularly call'd Madder.

See MADDER.

RUBIFYING, in Chymiftry, &c., the act of turning a thing Red by Force of Fire, &c., See Ren. See also Reury.

Red Affenie is inpected to be no more then the common yellow Artenick resigned by Fire, with the Addition of Nut or Olive-Oil. See Arassine.

The Word is form'd of the Latin, rubens, ruddy, and fie, I

become.

RUBIGALIA. or ROBIGALIA, in Antiquity, a Feaft celebrated by the Rossaw in Honour of the God Rossaw, or the Goddeli Rossaw, and no engage those Detries to preferre the Corn
from blatting. See France.

The Rosignata were instituted by Nama in the eleventh Year of his Reign; sod were held on the 7th of the Calends of May, which is our 15th of April; being the Time when the blight or Mildew, call'd by the Latin Rusigo, uses to attack the Corn-

Varyo fixes it to the Time when the Sun enters the 16th Degree of Tourse.-Indeed the true Time feems rather to have been on the 18th Day before the Equinox; wire the 28th of April; and the true Reason, because then Canicula, which is esteem'd a malific Constellation. icula, or the little Dog, fets;

which is eftern'd a milité Confichiaion.

Hence they farinded a Deut to Relegs: Ocid flys, the En-milie et a Digu and doch et a Congr. Calmolin, con y aficieur, and the conficient and the conficient and the con-location of the conficient and the conficient and the Sout, and formetimes Molfers. See Souty and Million.

RUBHGO, a Diplical intendent to Coron, popularly call'd the Sout, and formetimes Molfers. See Souty and Million.

RUBHGO, the Rubes and Divertions given at the Belgaring, and in the Courie of the Litoury; for the Order and Manur-bousant the Ferrard Paron of the Office are to be performed. See

TTURGY.

There are General Rebricks, and forcial Rebricks, a Rebrick for the Communion, Sec.—In the Rossilo Milfal and Breviary are Ru-bricks for Matics, for Lands, for Translations, Beautications,

Switch for Markes, for Lances, rat Thememory, Decklessions, Commemorations, &c.

They are called Radvick from the Latin, ruder, rid; bossific formerly princed in Red-Link, to dilitinguish them from the reft of the Office, which was in black; as they full are in the Radvick for the Office, which was in black; as they full are in the Radvick for the Office, which was in black; as they full are in the Radvick for the Office, which was in black; as they full are in the Radvick for the Office, which was in black; as they full are in the Radvick full are in

Miffal, &cc. supportunit, ecceptain for the Carbonium of Endry, preferring by The gent Radinish for the Carbonium of Endry, preferring the Sanday which falls appears on extra after, the first fill Moon which immediately facces the Vernal Engineers. See Engres.—De Walfe has a particular Difficurate on the anthor Radinish for the Seat of Endry in the Fallshoft. Transplations. Remerces, in the Crimon Law, it a Table or Arriale in certain mercal Law-Rocks is the Clinton Law, it a Table or Arriale in certain mercal Law-Rocks is the cellid Security words, as the Tible of

the Chapters in our antient Bibles are, in red Letters. Soc TITLE.—You'll find fuch a Law under fuch a Rabbiel. RUBY, a rod, fperkling Gem of the first Runk among pre-cious Stones. See Gent and Strong.

There are but two Places in the East where the Rady is found:

There are but two Places in the East where the Rush is found: The Kingdom of Pgus, and the Ille of Coflow. The Mine in Pgus, where this found in greatest Plenty, is in the Monetal Gopelas, 12 Dayl Joanney from Siren, the Ref-dence of that Prince—The facest Rusher brought hence don't exceed three or four Caracta; the King referring all the larger to limited: In Crylin, the Rubius are found in a River which defeends from

the Mountains towards the middle of the Illand: Some few are allo found in the Ground.—The Rober of Cyfso are uffully higher and more beautiful than these of Pggs; but they are rare; the King of Cyfso prohibiting his People to gather them. or Traffick with then There are Rubies also found in Europe, particularly Bobessia and

Hangary; especially the former, wherein is a Mine of Flints of divers Sizes, which upon breaking, are sometimes found to contain Resirs as fine and hard as any of the Eaftern ones Salmafins will have the Ruby to be the Hyscinth of the Anti-See Hyacover

ons over PYALING II.

The Greek call is discovered, q. d. Relifting of the Fire. The Ancients out of their Carculairy and Superfition have attributed many Virtues to the Roby; as, that it expels Polifons, cures the Plagos, abases Luxury and Incontinence, binithes Socrow, &x.

Ses Gust. They disally only diffinguish two Kine's or Radier; the Radie and James. Some Jambon, however, make four Kine's or Light and James. Some Jambon, however, make four Kine's The the diffired Depth of Committee which make their difficult Value and Beauty—The Radief Rady's to 6 a Vermell-Rod of Park and Part of Depth of The Bald the Inhibitions of Park have been found to be presented to the Park and 
gree of Heat.
The Rab ja form'd in a ftony Subfignee or Marcafrie of a Rofe-Coloux, call'd Mother of Raby; it has not all its Colour and Lucker at come; but come to it by Dogester.—At fifth if grows whith, and as it approaches to Maturity, becomes red. Heace we have value Roberts, others, half white, half roly and others biae and red, call'd Supfor-Raber.
When a Raby at Exceedy twenty Cantles, it may be call'd a Cor-When a Raby at Exceedy twenty Cantles, it may be call'd a Cor-

schers see infigurable from the Crown. See Kino, Crown, foods, the Name of an imaginary Stone, whereof the Animary Granes, for Granes, for RUBARR, RUBARRARMANN, in Medicine. See RHUBARR. RUBARRARMANN, for Medicine. See RHUBARRARMANN, for Medicine. See RHUBARRARMANN, for Medicine See RHUBARRARMANN, for Medicine See RHUBARRARMANN, for Medicine See RHUBARRARMANN, for Medicine See RHUBARRARMANN, for Company See Crown, for Company See Cr Lapidaries are fornetimes over-feen.

Lapidance are formetimes over-teen. Further after us, though the thing lurpatter all belief, that there have been Rebir in France of 240 Catteks.—Two-twie tells us, be faw one in the Indian of Indian. Catteks, with the last of Mind to have bought. He adds, that the King of France has finer and larger Rebir than any of the Great Migol.

The Video of Rebir from one Cantek, or for mints, to ten Charles, it gives out in the Differentier de Consurers, by a good Indian State of the Catter of t

A Ruby of one Caract, is worth, 1 15 Of two C. Of three C 9 00 22 10 33 15 45 00 67 10 Of fix C Of feven C.

84 00

150 00

00

Of nine C Rusy, in Chymistry, is a Name given to several Preparations of natural Bodies, because of their red Colour; as, Rusy of Argewick, &cc. See RUBIFTING

Of eight C

nith, Sec. See RUBHEYING.
RUBY, in Hemsley, is the red Colour wherewith the Arms of
Notlemen are bizzorfd; being the sime which in the Arms of
others non Noble, is called Sade. See CoLOUR, GULES, CA
RUCCIATION, BELCHING, a Ventolity stifing from Indiftion, and discharging it self at the Mouth with a disagreeable oife. See FLATUL

There are Belches owing to Repletion, and others to Inanion, or Emptiness Dr. Sausy fays, Hypochandriac and Hyfteric People are par-ticularly liable to this Diforder.—They are rather to be cared with proper Stomachicks, than Carminanves and hot Liquors

Bernet recommends the Iliae Pells of Rhoff against Relations.

RUDENTUREs, in Architecture, the Figure of a Rope or Staff, foractimes plan foractimes careful, wherewish a third Part of the Flutings of Columns are frequently filled up. See Flutings.

TING.

Is it is thus cill'd from the Latin, raine, Cable; whence forme call it a Cabling; and the Column whole Flutings are thus filled, reducted, or added Caberra. See CoLUMN, Cabling, dr. There are also Raidarders in Refere, lad on the naked of Philadres not Intend; an Indiance of which we have in the Church of Se. Sariona at Rose.

RUDERATION, in Building, a Term used by Pitravius for the laying of a Pavement with Pebbles or little Stones. See

PAVEMENT. To perform the Rudratism, 'tis necessity the Ground he first

well beaten, to make it firm, and prevent its cracking. Then a Stratum of little Stones are laid, to be afterwards bound together with Mortar made of Lime and Sand, call'd by Pistraviar, Stationer.

If the Sand be new, its Proportion to the Lime may be at 3 to 1; if dug out of old Pavements or Walls, as 5 to 2. See MORTAR OG.

RUDERATION, Develor observes, is also used by Varnovius, Lib RUDERATION, Design chairs observes, is also used by paraseum, Lann, 7. Cap. 1. for the cearfieft and most artists Kind of Maloux, where a Wall is, as it were, celled up. See Masonax.

RUDER, in Navigation, a Piece of Timber turning on Hinges in the Stern of a Ship, and which opposing foractimes one calculated the Maloux and Continues one of the Continue of the Continue of the Continues of the Continue of the Continues of the Co Side to the Water, and fomerimes another, turns or directs the

Side to the Water, and concerning amounts, turns or careers use Verfiel this Way or that. See Surp.

The Radder of a Shup is a Piece of Timber buog on the Stern-Polts, by four or five fron Hooks call'd Radder; ferving, as it were, for the Evidide of a Ship; to turn her about at the Pleafaire of the Steen-man. See STEERING.

The Ruddy being perpecticular, and without-fide the Ship, another Pecc of Tumber is fitted into it at Right Angles, which comes into the Sings by which the Ruddyr is mranged and directed.—This latter is properly called the Helm, though the two are formetimes conformed together. See Flex.

The Power of the Rudder is reducible to that of the Lever. Sec LEVER. As to the Angle the Rusher should make with the Keel; the As to the Highe the reason induced make with the receip the Author of a late Book on the Working of Ships, shews, that in order to ftsy or bear up the frontil possible, the Tiller of the Redder ought to make an Angle of near 55° with the Keel. See

ATTING A narrow Rudder is best for a Ship's falling, provided the can

A narrow Kasser is belt far a Ship's sunze, province the can feel it, that is, be guided and turned by it, it or a broad Radder will hold much Water when the Helm is put over to any Sic-Yet if a Ship have a fix Quarter, for that the Water cannot come quick and frong to her Radder, the will recoive a broad Rudder. The aftermost Part of the Radder is called, the Rade Rudder. The RUDDLE, or REDDLE, a fort of red Chalk, found in di-

ers Parts of England. See CHALK. ers l'ents of England See Chalk.

This fome take for the Lapir Hamalites. See Hamattes.

RUDIARIUS, in Antiquity, a Veteran Giadiatos, who had on a Difcharge from the Service. See Gladiator.

He was that called, because, as a Mark of Dismillion a Rod was put into his Hand call'd Rudy. See RUDIS. The Rudwii were also call'd Spesiatores. See Spectatron. 2 2 G RUDIS.

RUDI-

RUDIMENTS, RUDIMENTA, the first Principles or Grounds of any Art or Science; call'd also the Elements thereof. See ELEMENTS. RUDIS, a knotty rough Stick, which the Prator among the Rossess, gave the Gladiators, as a Mark of their Freedom and Diffusition. See GLADATOR

tally, a Attle Street.

Its use among us, for an Alcove, or other genteel Apert-ment, where the Ladies receive Vilits either in Bed or up.—The Poets go reading their Works from Realle to Realle, to beforek

Poers pre-enting their Wois from Reule to Bealin, to before the Approximation and interest of the Leifler Approximation and interest of the Leifler Approximation and interest of the Leifler Approximation and the Approximation of the Poers of Health of Tones and the Westerline and Control Poers of Health of Tones and Markot Etten cold Sudden set the Reuro of the Tones of Health of Tones of Health of Tones of Health of Tones of the Reuron and the Approximation and the Reuron and the Approximation and the Reuron and Approximation and the Reuron and Approximation and the Approximation and th

Plan to have been Square.

Plan to have been Square.

Such allo, are the Reise of a famous Temple or Pelace near
Solwa in Perfet; which the Antiquaries will have to have been
built by Mallymers; and which the Profuses now call Technisms; or Chrismass; q. d. the forcy Columns; because there are for many Columns remaining pretry entire, with the Traces of others; a great Quantity of Majle Reisewiy, and unknown Churzleers, a great Quantity of Majle Reisewiy, and unknown Churzleers.

RULE, REGULA, or RULER, a very fimple Infrument, or-dicarily of hard Wood, thio, narrow, and straight; ferving to draw right Lines withil. See Line.

The Rule is of principal use in all the mechanical Arts.—To prove whether or no it be just; draw a Line by it on a Paper; then turn the Rule shout, the Right end to the Left; and apply the same Edge this way to the Line; if the Edge now agree ex-

actly with the Line, the Ruler is true.

Definarets has a fine Poem on the Amours of the Rule and Compais.—The Steer-Cutters-Rule is ufually four Foot long; and divided into Feet and Inches

The Major's-Rule is 12 or 15 Foot long, and is applied under the Level, to regulate the Courfes, to make the Picaroits equal,

RULE is also used for certain Instruments which have other considerable Uses beside that of drawing Lines.—Such are the Carpenters Joint-Rule, Everard's, and Coggefbal's Sliding-Rules, Sec. Carputer-Junt-RULE, is an Inframent usually of Box, 24. Inches long, and one and a half broad; each Inch being fubdi-vided into eight Part.—On the same Side with these Divisions, is usually added Gauter's Line of Numbers.

On the other Side are the Lines of Timber and Baard-Meafore; the first beginning at 82, and continued to 36, near the other End: The latter is numbered from 7 to 36, four Inches from

the other End

the other End. Use of the Carpenter's John-Rule.

The Application of the Inches in mediating Lengths, Bresidts, etc., is obvious—That of the Gamer's Line, fee under Lies JNUMBERS.—The use of the other Side is all we need here med-

1. The Breadth of any Surface, as Board, Glafs, &cc. being gi 1. The Breadte of any Surjece, at Beard, Gloff, SCC. being ping; to find been much in Length susker a Square Fort.—Find the Number of Inches the Surface is broad, in the Line of Board Meafure; and right against it is the Number of Inches required.

Thus if the Surface were 8 Inches broad, 18 Inches will be

I must tue surface were 8 inches broad, 18 Inches will be found to make a Superficial Foot.

Or, more readily thus:—Apply the Rule to the Breacht of the Board or Glas; that End markd 36 being even with the Edge; the other Edge of the Surface will shew the Inches and Quartiers of Inches under not no few Energy Control of Inches and Quartiers

the other Edge of the Surface will thew the Inches and Quetters of Inches which go to a figure Foot.

2. Up of the Table at the end of the Beard Modifier.—If a Surface be one Inch broad, how many Inches long will make a fuperficial Foot? Look in the upper Row of Figures for 1 Inch, and under at in the fecond Row is 12 Inches, the ansiver to the

Questions 3. Use of the Live of Timber Measure.—This refembles the former; for having learnt how much the Piece is Square, look for that Number on the Line of Timber-Measure: The Space

thence to the End of the Rule is the Length, which at that Breadth makes a Foot of Tamber.—Thus, if the Proce be 9 Inches Seguers, the Length necotfary to make a feld Foot of Tamber, is 21 + Inches.—If the Tamber be finall, and under 9 Inches Square, feek the

Inches—Hither Timber bet intail, modurater guarenes organizacientes, Sequire tin the upper Rank of the Tables, and immonistively under it is the Feet and Inches that make a fold if Foot—Thus, if it he p-lanche Squares, Foot is Inches will be found to make a fold if Foot. If the Piece he not enrolly Squares, but broader as one End-thm another; the Method is to add the two together, and take half the Square for the Squares—For round Timber, the Method is to girt it round with a String, and to allow the fourth Part for the Side of the Square.—But this Method is erroneous; for hereby you lose above f of the true Solidity. See TIMBER-Measure

Everard's Sliding-RULE; See SLIDING-Rule. Caggibal's Sliding-RULE; See

Congular States, Reviss, 5 etc. 28 ALDINOS-Robot.

REVIS, REVISA, a list a certific Missing, Comm. or Precipe, to be observed in my Act or Science. See Casson, Manaba, Septiment of the Communication 
THICKS.

and Evituses. The Randon Regular Blends, are facts at direct and raffit the Minds in precivings, polyings, and reatingues, See Presecurious, prosalisatives and Reaconst-methy the Minds in proceedings with the process of the Randon and Randon Rando complani'd, are Fetters; rank Enemies to Genius; and never religioully observed by any, but those who have nothing of themselves to depend on. Posture frequently neglected all the Roles of Poetry; as a Master who scorn'd to be confined by them. See PORTRY.

The Theatre has its particular Roles; the Role of 24 Hours; the Unities of Action, Time, and Place, &r. See Unitry. See

the Unities of Action J. Imme, and race, or r. see UNITY: one did THEATER.

If it he true, first Makers, that Plays conducted according to the Rules, dor't Picalie, but those which are not, do: The Rules must be nought—For my felf, when a thing hits and divers must be nought—For my felf, when a thing hit and diverse my, leaver temper if it have done antity, our whether reflected are to laught. See Law.

Rules, in Althouseches, it a certain Operation with Figures,

to find Sums or Numbers unknown. See ARITHMETICK, Ope-

Each Rule in Arithmetick has its particular Name, ac-cording to the use for which it is intended.—The four first, which serve as the Foundation of the whole Art, are call'd Addition, Subfraction, Multiplication, and Divipos; each w.

under its proper Article.

From these arise several other Rules; as the Rule of Three, or From more artic leveral other Kairi; as the Rain of Lerry, to of Properties; called allo, the Golden Rule; and diffinguithed into direct, and inverse, looped, and compared, Rain of few Normhetter-Rule of Fellowellings fromes, and cont. Time-Rule of Alloguelling medial and alternate. Rule of Exchange—Rule of Infig. Paferson, Called Adults San Ut. 10000000. fogle and darble. See FELLOWSHIP, ALLIGATION, EXCHANGE,

and Postrton

The use of this Rase is of vast extent, both in common Life,

and plant in the segment.

And the control of the segment in the second plant and the Scheeney has the so Pitece, creary where the Proputs on of the green Numbers is known—Suppole, e.g., e. large Vel-Ceil and V Weers on bony self by a lark of Apramary, and Suppole of Ceil and V Weers on serving self by a lark of Apramary, and see the second of the second self-ceil resident 
30 B--17 1

3) 510 (1701. 83. 101

Agsin; if 3 Pounds be bought for 17s, how many will 170s.

Agsin; if 3 Pounds to the Pounds of the Pounds of the Pounds of the Number will be found thus: 175,-

If the given Terms be her 35, i.e. have broken Num he same them, they don't bear the fame Proportion to each beas among them, they don't bear the fame Proportion to each other, which the things they express, bear.—They must therefore be reduced to homogeneous ones; or to the fame Denomination as Pounds into Sallings, Sallings into Pence, &c. Hours into Mineros & See Reputerrows.

E. gr. If 3 Pounds and 4 Ounces coft 2s. 4d. what will 2 Pounds coft? The Operation will be thus:

3 lb 4 3 - 2 fb--2 s. 4d 16 12

In many Cafes of Commerce and Accounts, we have more compendious Ways of working Questions that come under the Rule of Three, then by the Rule it felf; which, by reason of their expediting Practice, are call'd Practice; and conflitute a parti Rule of themfolyes. See Practices.

Rate of themselves. See Practices.

RULE of There inverys, is where the patural Order of the
Terms is severed—Ass. if no owners build a House in a
Verse, in how long time will a now Workmen build the fame?
This is usually considered by the Writers of Arithmetics, and
gapte in the Schools, as a practical Parks Being wrought by
maintaigning the first Term 100 by the focused as not divising the
Product and by the third Term 200, the Quedict or is the Num-

But there is no near-fifty for moting a particular. Role for the Mattery, the coming naturally enough notes the internet by considering the configuration of the former by the configuration of the co

200) 200 († Yest.

Rule of free Numbers, or Companied Rule of Three, is where two Rule of three are required to be wrought, e're the Number lought he found.—As it 300 l. in 2 Years yield 30 l. Intereits

fought formad—As if 300 t. In a Years years 30 t. Innexess. how much will 1000 t. yield in 10 Years? Here the first thing to be done is to find by the Rule of Three, what Interest 1000 t. will give in a Years, and then by the finne Rule what it will give in to Years. This is confided by the Witters, do. of Arithonetick, as a particular Rule. but without any Necotifry; a double Operation

folying it better, as in this Example: -30 Int.

12

But in Queltions of this Kind a longle Rule of There may do the Balancis: For 300 L give the fame altered in two Years, which Yolica 300 give in 00 There; and twelve times 1000 L give the Same Intered in one Year that 1000 gives in 12. Offitting therefore the Caccumilances of Time, 187, if twice 300 (this 19, 600) give 3/L Directle Lin one Year but with 12 times 1000 (that

15, t2000) give (in one Year)? 1200 -- 26 36

RULE, in a monsitic Sonfe, is a Syltem of Laws or Con-fituations, whereby Religious House are ethibilited and regula-ted; and which the Religious make a Yow to observe at their Entrance. See RELIGIOUS, MONATERAY, Yow, Sonfe The monsitic Raise are all to be approved of by the Pope, to make the major. The Rais of St. Bensidt, it by Sone Authors

call'd the Hely Role. See Bang pierrin

These of St. Brees, and St. Powers, see of all others the most numbers. See CARTIFORMS and FRANCISCAS.

See CARTIFORMS and FRANCISCAS.

He desired to the production of the Auditorities of his Rule, he fees for a Displacement.

RULE, in the Cannol Law—The Rule, see explicitly Rules, in the Cannol Law—The Rule, see explicitly Rules of probable Polices, reader all Provincies on a Benezice Vicente by Death, so the multi, if it appear that from the Day of the J35—Death and the Rules of ceales, to the Listy of the Date of the Provisions, or to the Day when the Counter artives from Rems, there has not been Time fufficient for regular Notice of the Persons Decease to be conveyed to the Pope. See Provisions the proved the Counter for our of the Pope. See Provision are even null if it is be, proved the Counter for our few the Pope for the Provision are even null if it is the provision of the Provision are even null if it is the provision of the Provision are even null if it is the provision of the Provision are even null if it is the Provision of the Provision are even to the Provision of the Prov

to differente with st.

Rais of soursty Days, Regula expirit iderses. By this Rule, if
an Ecclefiathick relign his Benefice; to make the Relignation via
bld, the Refigner mult furvive its Admiffion in the Court of
Raise twenty Days.—If he dye before the Expiration of the twenty Days, the Refignation is void; and the Benefice becomes Va-

cant by Death

This Rule does not hold of the Provificats of ordinary Colla-tors, nor of finingle and pure Relignations into the Hands of the Ordinary, but only in Cale of Provisions of the Pope, disjunction on Relignations in Frances. See Resignatures. This Rule authenty exercised to fact he religid in Health as

This Role antiently extended to fath as religing in Health as well as Sikknoth.—Poor Bongles certification it to the latter; whence it is commonly called. Regula at Infrast refigmention.

Regula at palkineatie. By this Role the Relignee of a Benefice, if he have a Provision from the Court of Rose, is obliged to publish the Refiguration and trice Politicism within far Montas; or if he have it from the ordunary Callicos, within one Month.

or if he have it from the ordinary Collisons, within one resonts. Otherwise, if the Redigate (s.e. the Redigate is the Redigate (s.e. Redigate) have been presented in RUM, a Species of Brandy, or Spirit, drawn by Diethkinson, from Sugar Canes. See Stoars, Spirit, T.D. DISTRICATION, &c. Raws is very hor and infilmable; and is in the fune of a mong the Natives of the Sugar Countries, as Brandy among us. See

The Word Raw is the Name it bears among the Barberlana

The Word Raws is the Name it bears among the Barberheas. RUMB, RUMB-or RUMB-or Burbar in Navigation. See RUMB-RUMB-RUMB-Line, or Lawabreaus. See RUMB-Line, RUMB-I the inft Stomatch of Airmina Which Chew the Cod; hence call'd Ressissaris. See Syromach and RUMMANT-The Food is transfirmed into the Remew without any other Alternation in the Month, then being a little trawf'd and wrapf'd up together. See Foon. The Russes is of all others much the largest Stomach; as being to contain both the Drink, and the whole crude Mass of Aliment

which there lie and macerate together; to be thence remitted to the Mouth, to be chewed and comminuted, in order to their further Digeftion in the other Ventricles. See Digestron. In the Rawre, or first Ventricle of Camele, are found divers Sacculi, which contain a confiderable Quantity of Water: Which is an admirable Contrivance for the Nocellities of that Animal, which living to dry Countries, and feeding on dry hard Food, wou'd be in danger of perithing, but for thele reservoirs of Wa-

RUMINANT, in natural History, an Animal which chews er again what it has cat before; popularly call'd chewing the Code

See RUMINATION

Jaan. Can. Peyer leas an expreß Treatife de Ruminsmilling & Ruatame, where he thews, that there are tome Animals which do really resonant; fuch are Oven, Sheep, Deer, Goars, Ca-mels, Flares, and Squirrels: Whereas others only appear to Re-sumerer; which he calls: Resumantia forms; of which Number are Moles, Orickets, Bees, Beetles, Carbs, Muliets, and feveral other Fifties.

This latter Class, he adds, have their Stomachs composed of muscular Fabres, by means whereof the Food is ground up and down, much as in real Russmants.

Rummants, Mr. Ray observes, are all Quadrupedal, Hairy,

Rements, Mr. Ray oblicies, are all Quelampetch, Harry, and vivepous; force with bellow and perpendid lexus, ocious and vivepous; force with bellow and perpendid lexus, ocious with decidence cross. See Quelampets, Elizas, Harros, dec. with decidence cross. See Quelampets, Elizas, Harros, dec. to the Office; see the Kasia kerbois of Anglinic, the Ferrare Algamo, or when we call the Passario of Immark, which neceives Algamo, or whether the Carlos of the Control of the C

Again, all bound Rammans Animals want the Denies Primves, or broad Teeth in the upper Jaw; and have that kind of Fat, call'd Sars, Selam, Eries, which is barder and firmer, and lefs acull'd Sore, Selam, Eries, which is barder and firmer, and see a-quifishle in them, than the Adeps of other Animals. See FAT,

equisible in them, than the recognition of a Claff of Animals SERLIN, ADERS, 64.

RUMINATION, an Ackino peculiar to a Claff of Animals Claff Animals, wheethy they return the Food they have formerly festllow'd, to be chew'd over agains, and renderd more if for Chylle. See RUMINANT.

Four defines Rumshattan a natural Motion of the Stoney and other Parts; By means of which the

Pood esten, at first, hashily, is return'd back again to the Mouth; where 'tis re-chew'd and fwallowed a fecond time; and that much to the Benefit of the Animal. See Foop, CHYLE, MASTICA-TION, OV.

Fig. 2. In his Thefaar. Mod. gives several Instances of Men that reassasted, from Sadoualteies, Rhodias, &c.—Dr. Sare in the Pleidy Transfast, gives us a fresher Instance in one of our own Countrymeo, living at Brifold. His account, as 'tis curious, and may let us (see a little how it free with reassasting Animals; we thall here add.

ass nere soci.

"He begins to chew his Meat over again within a Quarter of ao Hour after Meals, if he drink with it; if not, fomewhat later. His chewing after a full Meal latts about an Hour and a half: And if he go to Bed prefendly after Meals, he cannot fleap till the ufual time of chewing be over. The Victuals, upon the return, tafte formewhat more pleafantly than at first read, Meat, Cheefe, and Drink, return much of fuch Coloars as they wou'd be of were they mix'd together in a Mos-tar. Liquids, as Spoon-Mest, return to his Mouth all one as dry and folid Food. The Victuals from to him to lye heavy dry and folid Food. The Victuals seem to hum to tye heavy till they have paids the focond chewing; after that is pattles clean away. If he ast variety of things, that which pattles down first comes up again first. If the resultanting Faculty chance to leave him, it fignifies Sickness; and this never well with him till it returns. He is about twenty Years, of Age. and was always thus fince he can remember. His Father

« does the like, formetimes; but in fmall Quantities. RUMMAGE, in the Sea Language, fignifies to clear a Ship's Hold, or remove Goods or Luggage from one Place to another. See HoLo.

The Word is probably derived from the Saxon rasm, Room RUN of a Ship, so much of her Hull as is always under Wa-ter; growing thinner and lanker by Degrees, from the Floor-Timbers to the Stem-Posts. See Sair.

Timbers to the Stern-Folds. See Stury.

This is also celled her Way splaward as:—A Shap is faid to have a goad Ross, when it is long, and the Water petfec eleverly to her Rodder, her Tack cost lying too low, which is of great Importance to her Sailing. If the Water do not come fittently to her Rudders, by reason of her being built too broad below, the cannot keep a goal and Saily into careft feer well; cannot keep a long to great Importance to the Sailing.

not tters well; and a Ship that ear't fleer well, cannot keep a good Wind, nor will have any fred M veg through the Sea, but will fill be falling to Leeward. See Runnass, Syerrande, 67. And yet a Ship with a large and good Rev., felse much Stowage, because made narrow below. See Holl., BURYIES, 67. RUNDLES, or ROUNDLES, in Hernkley, the filme as Bally or Pullar. See Ball, and Peller.

or Pallari. See Ball, and Pallari.
RUNDLET, or Reconstruct, a finall Veifel, containing an uncertain Country of my Lispon, from three to treaty Gall.
RUNDLE, Therm applied to the Language and Laters of the universe Ciefe, Danes, and other Northern Nations.
RUNDLE, a Term applied to the Language and Laters of the universe Ciefe, Danes, and other Northern Nations, as David State of the Country o the Characters themselves were older than he. See Characters.

Tis supposed they were called Ramie, as being mysterious and

The fuporoid they were called Rawis, as being mytherious and feederactical, that the Regatess Henopoly called Salarens. See The Rawis Language is more frequently called salarens. See The Rawis Language is the Rawis from the Rawis Language. There are forme Rawis Madde in the Carlett of the C

Goods. See Rope.

To evershet the Ressort, is to pull down the hooked End, and hitch it into the Simon RUNNET, or RENNET, an acid Juice, found in the Stomatos of Calves that have fed on nothing but Milk, and are killed before the Digelium be perfected. See Milks. Tis this Russer is chiefly used to curdle or turn Milk for Cheese. See CURDLING, CHEESE, evr.

Its proper Place is the Aboussia.—The like Matter is also faid

to be found in Goats and Hares. See Abomasus

to us quinto in Goats and Hares. See Assonsavis.

The longer the Reuser is kepe, the better is is.—Though it readily congulates Milk; yet if put into it when already congulated, it diffiches it. See Coscovita. Too and Dissortion.

If Sale he put in the Milk, e're the Reuser be applied, it prevents it Congulation.—If Sale he put in sterwards, it hardens the Congulation.—If Sale he put in sterwards, it hardens the Congulation.

the Conglum. See SALT.

"depliable will here the Resert to be the proper Schilmace of
the Malit, he he is mildice with he lay in a found in all Ani
RENNING of Goods, a clauselfules: Intuiting of Goods, without
our paying the legal Cultions or Dusies for the firms. See
SERGLERS, OWLERS, DEPTE, OFFENS, DEPTE, OFFENS,
OFFENS, DEPTE, OFFENS,
OFFENS, DEPTE, OFFENS,
OFFENS, OFFENS, OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS,
OFFENS, OFFENS, OFFENS,
OFFENS, OFFENS,
OFFENS, OFFENS,
OFFENS, OFFENS,
OFFENS, OFFENS,
OFFENS, OFFENS,
OFFENS, OFFENS,
OFFENS, OFFENS,
OFFENS, OFFENS,
OFFENS, OFFENS,
O

According as the Russure happens in the Abdosen, Ingum, or Servam, it is call'd Exemphalus, Hernia Inguinalis, or Hernia Seroti. See Exemphalus, &c.

RURAL, or RUSTIC, formething that relates to the Country. e Rustic

The Word is form'd of the Latin Ras, Revis RURAL Deau, in the antient Church, was a Temporary Dean, appointed by the Bilhop or Archbilhop, for fome particular Ministry, without Canonical Institution. See Dean.

iftry, without Canonical Infitusion. See Draw.
The Rayal Dean is the farme with what in the Laws of Edward the Conjective, was called Decause Epifopi, the Epipopy Dean.
Heybookserves that each Diocetic has in it one or more Archaecouries for disperse of electricities Businesis; and each Archaecouries for disperse of Ecclesiational Businesis; and each Archaecouries for disperse of the Ecclesiation Businesis and each Archaecouries for disperse of the Ecclesiation Businesis and Ecclesiation Businesi deaconry is fubdivided into Rural Deaneries, fewer or more ac-cording to the extent thereof, the Deans whoreof were also call'd Archiprohyteri, and Deani Christianitatis. See Archipresny-

The Rural Deans from to have been the fame with what in

The Kural Deans from to have been the fame with what in other Patra were call? Chroffplore, See Concass-proofts, See. RUST of a Matal, the Flowers or Calx thereof; procured by corrolling and disloring in Superficial Parts by four mentitrous Flast. See Markat, Calx, FLOWIR, MRSEYEUUM, See. Water it the great influence or Agent in producing Rust; the Air appearenty rust Bokke, but 'tis only in Virtue of the Water it extension. See Air.

ter is consistin. See Airs.

Hence, in a dry Air, Metals remain a long time without contracking Rug's, and hence Oils and other farry Bodies secure Metals from Rug's. Water being no Mentituum to Oils. &r. Act
therefore not able to make its Way through it. See WATER,

All Metals are liable to Ruft; even Gold it felf, though generally held incepable thereof, grows Ruft; if expected to the Funce of Sex-Seits. See Gold.

The reafter why it is for mrely found to ruft, is that Sex-Salt, and the reafter why it is for mrely found to ruft or a very fixed which is the only Salt that will grey upon it, it of a very fixed Nature, and therefore little of in Edwaria or Ethichistons are found floating in the Air. See Goldon, Aqua Rosto, Volka-Gond Bouring in the Air. See Goldon, Aqua Rosto, Volka-Gond Bouring in the Air.

folian onemg is the rate.

TLISATION, Φe.

Ref is usually supposed a Corruption of the Metal, but without much Foundation: The the very Metal itself, only under another Form; and accordingly we find that Ref or Copper may be again turned into Copper

The Ruft of Copper, call'd Afress, makes what we call Ver-See VER IGREASE

Cerufs is made of Lead converted into Raff by Vinager.

Certains at made of Lead converted into Kup by Vinager. See CERUSS.—Iron, in time, turns wholly into Kupf, unless preferred from the Air by Paint or Varnith. See Inon, PAINTING, etc. RUETING Sock, in Antiquity, Dit Ruffer, were the Golds of the Country; or those who presided over Agriculture, etc. See Got, etc.

Gob, ér.

Farra invokes the twelve Dii Confestor, as the principal
sarong the Rofile Gods; one. Typiter, Tillus, the San, Main,
sarong the Rofile Gods; one. Typiter, Tillus, the San, Main,
Corr, Bacolus, Reskyon, Flera, Shareno, Frant, Lymphs, and God
Lard.—Schöck their cwelve. Arch. Rofile Gods, there were urfine
may of lefter ones. An Paint, Francasson, Tarlenous, Sylvanus,
may be a served on the Confession of Confession and even Tritons; and gives the Empire over all the Ruffle Gods to the God Pau. See Satyr, Faun, Sylvan, Nyaiph, Dry-

to the God Fass. DECOATTA, FASS, STATES, TABLES, AND ADES, PANES, & Gr.

RUSTRE, in Artichitecture, a Manner of building in Imitation of Nature, rather than according to the Rules of Art. See BUILDING and ARCHITECTURE.

RUSTIC Work, is where the Stones in the Face, &v. of a Building, inflead of being imooth, are hatch'd or pick'd with the Point a Hammer

Rusric-Quoins, by Vitravius call'd Lapides Mineutes; See efic-Otton

IUNTING

The Rusting-time with the Hart begins about the middle of Specusier, and holds two Menths; the older they are, the better, and the more beloved by the Hinds; and the earlier do they go

and the more beloved by the Filest, and the entitle of they go to Res—At this Time they will turn Heise, and divisoilly make at my living Creature. The city billing them convy, their whole Bildmich Energy for earn and purish the Titles of the Fermiles, the Creating at all. The young Heist are forced to By with the Creating at all the proper them to force the superior of the Creating at the Creat

to ther Pafture, and live in Flerés. See Hard-FluxTING.

The Ratting or Tourning-time of the Ros-buck begins in Otioker, and only lafe 12 or 15 Days. This over, he cath his Herms.

See Hard—After the Hind is filld, the keeps no more Company with the Male 'till the be deliver'd—But the Doe always pany with the Mase "all the be converd—but one Doe shways accompanies her Paramout 'fill her time approaches, when the retires, for the fafety of her young, which he would otherwise fall. See Re-her Fluvrance.

RYPTICKS, in Medicine, detergent Remedies. See DE—

TERGENT .- The Word is form'd of the Greek pursus, to wipe, cleanie.

A Denfenant, and the Eighteenth Letter of the Alphaber. This accounts one of the four halphaber. This accounts one of the four by I, and CM. This life held is Sensitives!, I found in the Affiliate a forming a head of imperfect Sound without head for the sense of the Sensitives! A sense of the sense of the sense of the Sensitives of the Sensit of the Sensitives of the Sensitives of the Sensitives of the Se Cassene, dulinose for dumose, ceins for cens, &c. Ot all others, 'tis the nearest a-kin to the r; whence it was

## S Vert septens numerates fignificabit.

In Books of Navigation, &c. S. Egnifies South, S. E. South Esff, S. W. South-Viff, S. S. E. South South-Esff, &c. See With. S. A. is frequently uef in Medicinal Prefeription as an Abbrevation of Scennigam Artem, According to the Rolts of Art. Sometimes is all finded for Societies, See Rollow, Member, and Concilines for Societies, See S. S. Rogie Societies Societies, Follow of the Royal R. S. S. Rogie Societies Societies, Follow of the Royal

Society, SABÆANS, a Sect of Idolaters, much ancienter than Majes and the Jesuph Law, call'd also Sabient, Sebuites, Zabeans, Jebasans, Sec. Sea Sanatum, The Sabeans, sec. See Sanatum, The Sabeans, sec. were very numerous throughout the East. In later Times were very numerous throughout the East. Zobests, Tjörstens, Sec. See Saanne. The Schemit Lee of the Company of the Company of the Company to the Company of the Company of the Company of the Company to the Company of the Company of the Company of the Company for the Company of the Company of the Company of the Company for the Company of the Company of the Company of the Company for the Company of the Company of the Company of the Company for the Company of the Company of the Company of the Company a kind of Mean between the Christians and the Magnificant of the Company of

Conges, the in a Charageer very different from the Offi-er. Heritager des raided the common Lerivation of Sa-der. Heritager des raided to the control of Sader Sader. Name of a Sect of Religion, but of a People in Artista Fills, the Defendances of Sels, Grand-fine of Chara. But the Criticks, to a Man, centifier against this Opinion. Sub-tle Criticks, to a Man, centifier against this Opinion. SABALSMA, a Kind of Idolative very anciency she first the eventual control of the Sader S

tures call wow wow Tjeba Schamaim, or Seba Scha-

water, Hod or Militis of the Heavens absence femb worthing of the heavenly Bodie, and Subright for the Worthing of the heavenly Bodie, and Subright for the Worthing of the heavenly Bodie, and Subright for the Worthing of the heavenly Bodie, and Subright for the Worthing of the heavenly benefit and the subright for the subright fome Articles of almost all Religious. See

given into fome Articles of almost all Religions. See \$8.848,THIANS, \$8.544 of Herecks but called from \$8.848,THIANS, \$8.548,THIANS, \$9.548,THIANS, \$9.548,

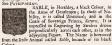
Work of the Genties, and when it had filten into Neglect streft he Flood, war reclabified by him, upon his leading the New Young Bully at the Reman and of Zight, which was been provided by the American Control of the 
Benefits we have received from God, and a spiritual Tem per of Mind. By allowing Six Days to labour, the Poor hath Time to earn his Bread, and the Man of Bufinels Time to dispatch his Affairs. Had more Time been allotted to Labour and Bufine is, and none to Reit; our anorem to Labour and Business, and none to Aeri; our Bodies would have been too much fatigued and waited, and our Minds too loog engaged about worldly Matters, to as to have forgotten Divine Things. Greedy People, so as to make torgotten Livine Things. Greedy People, without find an Injunction, would size have favoured their own Bodies, much lefs their Servants, Slaves, Carte, ggs. The Gesation therefore, would have fulfered, had it not been provided for by the Inflittution of a Sablach See Supervision.

Bath. See SUNDAY.

SABARTI, is also used for a notional Affembly Witches

sare inpposed to hold on Saturdays, where the Devil appears in Form of a Goat, around whom they make feve-

pears in Erm of a Geat, around whom they make free and Bonce, and mangic Commonia, amply destribed in a feel Bonce, and sungic Commonia, amply destribed in Geat Bonce, and sungic Commonia, amply destribed in Geat Bonce, and a sungic Commonia, amply destroy and the fact that the Stiffedier on a Swint, and the fact that the Stiffedier on a Swint, and the fact that the Stiffedier on a Swint, and the Geat Bonce, and the Geat B so the One Perion of the Father; making the Word and the Hold Spirit to be Virrete, Emancian, or functions the Hold Spirit to be Virrete, Emancian, or functions the Hold Contray, in a City of Lytis, cilied Phenome. He neptly, This to, who in Haeroni the Amelian and the Hold Contray, in a City of Lytis, cilied Phenome. He neptly, This to, who in Haeroni the A. Child, and was form of her as Alea; and that having accomplified the whole of the Hold Contray of the City and was a Child, and was form of her as Alea; and that having accomplified the Object of the Contray of the City and was a meet Solidenman; and the Hold Spirit to assuming Virus and the Hold Spirit to assume Virus and the Hold Spirit to the Virus and the Virus and the Hold Spirit to the Virus and the Virus and the Hold S Work of Kedemption; and that, being re-attended to Heaven, as the Ray returns to its Source, the Warmh of the Father was communicated, after a like Manner, to the Apoilles. The Council of Auticide, held by the Eufletians in 345, tells us, That, at Rome, they were called Patripaffinas, who, in the Eaft, were called Sabelliness.



SABRE, a Kind of Cutting fword, or Cinietarre, hav-ing a very broad, heavy Blade; thick at the Back, and a little crooked towards the Point. See Sword. The Finks are very expert in the Ufe of the Sabre, which is the Weapon they ordinarily wear by their Side, Ec. With this, 'tis filed, they'll cleave a Man quite down, at a fingle Stroke. The Word is formed from the German Sabel,

Stroke. The Word is formed from the German above, of the Schemois Scile Cuttetts.

SAC, or Sciele, in Law, a royal Privilege which a Level of a Minor claims to have in Mic Gourt, of holding Plea in Cusfes of Plextre artifage among his Tenants and Varilla; and of imposing and leving Press and Americaness touching the fame. Refull and form others, define Sate to be a Pericitator of Americans its file, and have the strong the strong and the strong th true, or affirms that to be true which is not so The Word is Saxon, and literally fignifies. Cause, Con-

were dones, and metanly inguine, cases, cases, Cases, SaCES, in Autiquity, a Fead which the ancient Rabylanians, and other Gortandis, beld annually in Honour of the God Aniaridis. The Gares were in the Eaft what the Saturnalis were at Rome, vio. a Peal for the Slave, One of the Ceremonics heros, was to chair a Prince condemned in Death, and allow him all the Pleasured and Gratifications the would with, of the were called

and Graiffeations be would with, e're he were carried to Execution. See SATURSALIA.

SACCADE, in the Manage, a rideet Check the Cawdire gives his Horfs, by drawing both the Reins very faddedry, safed when the Horfs bears too heavy on the Hand. The Saccept in a kind of Carrellon rately to be aftely for fear of positing the Horfs's Meanh.

SACCADENTA, a Seel. of sancted Horston Horstock, thur called from the Greek, exac@-a Satk, and spipe I bear, be-

cause they cleathed themselves continually in Sackeloth, and affected a world of Austerity and Penauce, We know but little of their Tenets: In all Probability the were the fame with the Maffalians; Which fee. The Em Tenets: In all Probability they peror Theodofius, made a Law against the Saccophori and

SACCO BENEDITTO, or Suc-beni, a Kind of linnen Garment given to Perfors condemned by the Inquisition, to be wore at their Execution. This in Form of a Scapulary, of a yellow Colour, with two Crofies on its adpainted over with Devile and Flames. The Latini call painted over with Devils and Flames. The Latini call is Habitello, and the Spasieries's, Secriberia, and Za-merstat. "Twas likewite in Use for public Penitena-tion the primitive Church, and called allo Sausers, Son besits, Sc.

Anacoultus, a Diminutive of Saccut, a Bag; used in Anacoultus, occurred; feveral Pares of the Body, bearing

some Relemblance thereto; as Socculus Chysiferus, or Ro-riferus, a Passage which makes the beginning of the Thoracia Dutt. See THORAX.

Dreft. See Fisonax.
Saccuss Gritis, the Pericarkinas. Which fee,
Saccuss Lawrymalis, a little numbranous Bag, into
which the Pradia Lawrymalis of the Eyo open, and
which is, iridif, the Eutrance of a Cand, by which the
Liquor feparated in the Glandels Lawrymalis, is dicharged
into the Cavity of the Node. "The the Ulertains of this
Sacras, that makes the Fishel Lawrymalis. See Figura.
Sacras, that makes the Fishel Lawrymalis. See Figura.
The Candidate of the Sacras, the Candidate of the Sacras,
Sacras, Sac

Saccutus Medicinalis, a topical Medicine, applied to me painful Part; confliting of Herbs or Drugs included

fome pannu sats,
in a Linner Blag,
SACCULI Medicinels, are alfo Bags of Ingredients, fufpended in Liquoes, in making Diet drinks.

pended in Liquoes, a Musicle arining from the Hindpended in Luquors, in making Diet-drinks.

SACER, in Anttony, a Musicle arising from the Hind-Pare of the Os Sacram, and running along under the Low-gifform Dayfi. With its General Tendons, it lays hold on the Spine, and every Transferse Process of the Loines, and the lowell of the Back. It affifts in creeking the Trunk, See Muscle.

# SACER Miris, See SHERPES Excelons,

SACERDOTAL, fomething belonging to the Prieff-od, See Privar. Security Benefices are such as cann't SALERDUJAL, interfaining belongings to the reneat-bood, See Pierris. Scarriolad Beneficies are fash as canat-commentary of the property of the second of the actual are all Cures of Souls, Bilhoprichs, 15c. The forer-dad, when they officiate, 15c. The Word is formed from the Latin, Morroll Prict, of Sover Hornigate Quantity, con-taining just 42 Soons, and every Some is 14 Founds, by SaCR OSONS, and every Some is 14 Founds, by

14 E. 3. Stat. 1. c. 2. But in Scotland, a Sack is 24 Stone, and each Stone contains 16 Pounds. A Sack of Cotton Word, is a Quantity from an bundred and half to

Conton Wod, is a Quantity from an bunderd and natt to 4-40 Weight. See Woot.

Sacce of Eurob, uded in Portification, are large Bage full of Earth, made of coarte Calesh, the larged of about a Cabels-frow wide, and the leftir formewhat more than half a Foor. They are self on foresty Occasions, prefi-culty for making Retructurens in halfs, to yield on the property of the control of the control of the con-ton of the prefix of the control of the con-ton of the other of const. They are a Good to Use falls when the Ground it rocky, and affineds not Earth to care, when the control const. They are a cafely be brought as when the Ground's Focky, and attreets not Earth to caryo on the Approaches, because they can eafily be brought
on, and carried off; the fame Bags, on Occasion, are
used to carry Powder in, of which, they hold about
Fifty Pounds a piece.
SACKBUT, a multical infirument of the Wind Kind 4

SACKBUT, a mufical infirument of the Wind Kind; being a kind of Trumpet, the different from the common Trumpet both in Form and Size. 'Tis very fit to play Bafe, being a land of I transper, the of enterest from the common and a control of no sub-draws our of hererold scording to the Grevily or Actorects of the Tones. The Indian and is control of the Johns. The Indian is the Green's or Actorects of the Tones. The Indian is the Indian is the Indian is a Westah in the middle, which is the firm Unde, only the Control of the Indian is the Indian in the middle of core fourth lower than in natural Tones. It has all to we refer to the Indian is the Indian in Indian in Indian in Indian Indian in Indian 
air adjamm, prospe for a Commer-Tenor. The Part alligned in adjamm, prospective and commercial and an adjammental and interest and of Francisco morganes, which may rever us a Le-ors in Part in studies and Francisco and control of Francisco and or in Part in studies and Francisco and on the care's There is a threat fill begger, called Francisco graphy in part and prospective and the results of Francisco and an ingle Males, effectively in the East's in Fart is called an adjammental and the Francisco and an adjammental and an adjammental and an adjammental and an adjammental and the frequently allow on the fifth. Less from the Trop, by ASCRAMENT, in Theology, it defined, in the great, ASI gain of a body or fareer Thing, in which Series, and the Commercial and the Commercial and the Commercial Scatter, and found therefore an adjammental and the Commercial Scatter, as found Mentility, the Manes or of effering the

the Word includes both the Sacramens of the Law of Nature, as found Morality, the Manner of offering the Bread and Wine practited by Melebifesteh, Sec. and these of the Law of Myles, as the Circumsellen, the Pef-chel Lamis, Particacions, Order of Projektood, Sec. But with Regard to the Christian Church Sacrament is dewith Regard to the Chrillian Church Secrement is effend, A visible Sign of a [private] Greece annexed to the Ulterbrecol. There are Two Objects in a Secrement is the one a material Sign, the Object of the Sendes; the other the Thing fignified, which is the Object of Faith, Than it has pleased God to give a Body or Subtinace to fight and Myleferre, that our Faith might have the Affilhance of Hendle 1 Sign. The Remade Carbollet own Seven Science Science and Carbollet Sign.

representably Peters, under a such mages have me dustance remuests, vis. 2047/illy, Conference to the State of 
on the Altar to be addred. The Proceilien of the H. Se-ermener, that wherein this carried about the Church, or the Town. See Procession. The Feel of the H. Sacrie-ment; the Congression of the Secrement, See The Word is formed from the Lavin, Secrements, See The Word is formed from the Lavin, Secrements, which figuified an Ostib, particularly that which the Sel-dices took to be true to their Commanders. The Words whereof, according to Polybius, were, Obtemperaturus fum & facturus quicquid mandabitur ab Imperaturibus,

met of Jahrenson, de Levenin, een Austrijeerlands jeute Freit.

parte Freit.

met als die die in die Rome Leu, fer en Rachen Gige of Moore, which both the Hinstiff and Defendung in any real Alben, laid down in Court, to be tierkried by him hos flouid lot the Cant.

o be tierkried by him hos flouid lot the Cant.

o be tierkried by him hos flouid lot the Cant.

o be tierkried by him hos flouid lot the Cant.

o be tierkried by him hos flouid lot the Cant.

o be tierkried by him hos flouid lot the Cant.

o be tierkried by him hos flouid lot the Cant.

o be tierkried by him hos flouid lot the Cant.

Activation and other Propingion. — Decemberation of the Party
scannes, Calcingia, and other Partylians. — Decemberation, was an anient Canter-Book, camprehending all the Party
Sackment. Pow Giffully was the first Author of the Congenitarium. It was afterwards revifed, correled and the Cortest was all Earlietzey, While fee.

\*\*AGKEED, fementing loby, or, that is identify offered, the Cortest was all Earlietzey. While fee.

\*\*AGKEED, fementing loby, or, that is identify offered, the Cortest was all Earlietzey.

\*\*AGKEED, fementing loby, or, that is identify offered, the Cortest was all Earlietzey.

\*\*AGKEED, fementing loby, or, that is identify offered, the Cortest was all Earlietzey.

\*\*AGKEED, fementing loby, or, that is identify offered, the Cortest was all Earlietzey.

\*\*AGKEED, fementing loby, or, that is identify offered, the Cortest was all th

The Ancients held a Place flruck with a Thunder-bolt, as a facred Thing. In the Civil Law, a Sacred Place is that, where a Person deceased, has been intert'd.

that, where a Perion descried, has been inserred.

SACRIFICE, an Offering made to Ged on an Altar,
by Beens of a regular Munister, as an Acknowledgefield of the Commerce Obstitute, in the Altary of the Commerce Obstitute, in that in a Songried 
there is a real Defination on Change of the Thing offered; 
where an of Dains in early a fungle Offering or Gelf, 
whereas an Oblination is only a fungle Offering or Gelf, 
which so the Commerce Obstitute, in the Commerce of the Cold
Law, and Blendleyf, fishe as those of the New Law,
They divide them again into Imperatory, which are
these differed, to obtain four Former Cold, or to thank

Obstitute that the Cold of 
him for fome already received; and Propintatory, which are those offered to obtain Forgiveness of Sins.

are those outered to optim Forgitteness of Sins.

The Phenicians are unually held the first Authors of
Sacrifices. Parkhyry, indeed, attributes the Invention to
the Egyptians; who, he says, first offered the First Freits
of their Grounds, to the Gods; burning them upon an
Altar of Turk. At length they came to burn Persumes, Altar of Turfe. At length they came to burn Perfumes, and at last facrificed Animals; observing that they first and at fall Steriked. Admind Joderson, that they find extra from Helds, or Prints, regularly extra clay fed tass. He adds, that Librium were very frequence feet. So region of Bendin year German, Social Librium, Social Orderson, Social Librium, Social Librium, Social Company, and the Company of the Company of the mant they were not false, will find Irime at Villerium were obtained over Exempt. He food Irime at Villerium on Helds and Falls, 'ti no Wooder they abilitized from the Helds of the Company of the Company of the to be this that first introduced Fiels as a Food, and of Man a sum-constraintly Social Company of the Toub's, in all Analogue, both faced and profines. Toub's, in all Analogue, both faced and profines,

quets,

The Scriptures furnish us with a somewhat different
Account. Note certainly sacrificed Animals at his coming
out of the Ark, and 'vis even suggested, that Abel himstelf facrificed the best and startest of his Flocks: But Gro-

fit fraction due bett and tracted in he Facks: In across the countered normal fraces, 'that making a more probable, be contracted normal fraces, 'that making a more probable, be contracted normal for with a making a first the Egypting, long sectioned an ideal of the contraction 
were the most ordinary Food of Man.
The Manuse of Surfrising among the ancient Historius,
is amply deferited in the Books of Migs. That is Ule
among the Ruman, is a sidens; in the Choice of the
Pidinar, Care was taken it were without Blenuffs or
Integreticine, had Tall not too finall at the End is
Toogse not black, nor Earn elek, and the Bulls fash as
gift his Forthest and Homa, effectingly if a Bull, Heite, or Oow. The Head they also adonned unth a weeller
Infalst, where home grow Rows of Choists with twilling ter, or Cow. The Head they also adorned with a woollen Lightals, whence hung true Rows of Chapters with twitted Ribbans and in the middle of the Body a kind of Stule, pretty large, hung down on both Sides: The left Filliums were only adorned with Bandles of Flowers and Garlands, together with white Tufts or Garlands. The Villiums thus made ready, were brought before the Altar; the lef-ier were not led in a String, but driven to the Place; the greater were conducted in an Halter; if they made any practic were conducted. In an Inflator, if they made any strangels, or frields to sop, it Rectificace was steen for an ift suppay, and the Societies related. The Pillies that an inflatory, and the Societies related. The Pillies was the second to the Societies and the So

sieffed circle) she Greaten in God, accomplaying it with Promos and maddle Interment. The Confeithon with Promo and mandle Interment. The Confeithon your Statistics and perfective an Ulbert, holding a Robert of the Confeithon of

and Fifting, and foresteem saids a forer Discourts, by Way of Complement; as we find Harter makes Utigiff a da, when he perfored the High. Frieft with Highgran to be incurred. At any Period came to presion its Offering, ple for that Perpose. Lattiv, when the Offering was made, the Frield that officiared, performed the Fifting and having walled his Hand, and goog or again to the Altar, he prayed to the God to wincom he presioned discourable, when the principal was all having walled his Hand, and goog or again to the Altar, he prayed to the God to wincom he presioned the conception, with a Stud Visior, Plant by would accret the Altar, he prayed to the God to wincom he presioned the Godfell on the Hand of our of the Hand of the Han tim, pronouncing these Words of the Confectation, Maclus tim, pronouncing these Words of the Confectation, Mackett hose cuino inferi ells; Let this Victim be improved and ho-nounced by this Wine. This done, he palled off the Hairs from between the Horns, and threw them into the Fire; and commanded the Sacrificer, (who asked him, Ageon' Shall I flrike!) To knock down the Victim with a Blow

and communded the Sacrificer, (who asked him, Agor Shill Irlick?) To broak down the Prilim with a Blooc Mill Irlick? It to broak down the Prilim with a Blooc here Affiliant, named Pipes, pericently then't a Knele mo his Tracus, wallid a third received the Blooc, where the Prilim was thin; they fined him, if it was not a Broot Dilering, (for them they haved Shi and all Janks and Flowers, failtened it to Pillars of the Temples, as well as the Skim, and softens went to flore you have been proposed to be proposed by the Prilim State of the Brain S fomething wanring iar de Perleccion of the assergace, and that the Gods weer not appeaded. The Pricial arcrewards ulfimified the People with these Words, I liters. Hence it may be observed, that the Sacrégies consisted of sour prin-cipal Parts, the first called Libratio, or the pouring a little Wine upon the Vicilian; the Feond Introductio, when, as-ter they had scattered the Crumbs of Literal Pattle thereon, they killed it; the third Residitio, when they offered the Entrails to the Gods; and the fourth Litatio, when the Sacrifice was perfected, and accomplished without any

SACRILEGE, the Crine of profaning facred Things, or Things devoted to God, or aliensting to Laymen, or common Purposes, what was given to Religious Percommon Purpofes, what was given to Religious Per-foss, and pious Ufes. Our Fore-fathers were very ten-der in this Cale; and therefore, when the Order of the Regight Templer was difficive, their Lands, &c. were all given to the Knights Holpitallers of Jeruglaten, for this Realien, No in plus glut errogast, courts constanting columns of the Cale of the Cale of the Cale of the SAGRISTAN as a Shareh Otherr, otherwise called SAGRISTAN as Charch Otherr,

See SEXTON

Gerton. See Sexton.

SACRISTY, or Sextry, the Place where the Veffels and other Utenfils, and the Ornaments of the Church, were anciently preferred, called also in ancient Authors, Secretarium. The like with what we call Feffry. See

VESTRY.

SACROLUMBARIS, or Sucrelumbes, in Anatomy, a Mulile, that artich fleshy from the superior Pare of the Or Secrem, posterior Part of the Hilms, and from all the Spines and transverse Processes of the Vertebre of the Loins. It gives a small Tendon to the politerior Part of each Rib user its Rose, where a small Bandle of stelly

Fibres arifes and unites with each aftending Tendon, to the third, fourth, fifth, and fixth Ferterne of the Neck. This with the Servatus Poficus inferior, and Triangularis, belp to contract the Ribs in Expiration. But anguards, help to contract the Most in Expiration. But they are but of finall Force, and feem only to accelerate the Motion of the Ribs, which fall down chiefly by their own Gravity, and the Elaftscity of the Ligaments, by

own Gravity, and the Elaticity of the Laganems, by which they are tied to the Venezies. See Muncaes, SACRUM OS, in Anatomy, is the lower Extremity of the Spins Deoff, being that whereon we fit. See Os SACRUM and Spins, "Tis doubted where this Name floudd arise: Some think 'tis because the Ausients offered." it in Sacrifice to the Gods; others, because 'tis very large, and others, because it incloses the Natural Parts. Its Figure is triangular. 'Tis bollow within-side, and by that gure is triangular. "Its bollow within-lide, and by that Melans, contributes to the forming of the Cavity at the Bottom of the Hypegafrium, called the Pelois. Its Forepart is smooth, by which Means, the Parts it contains are fecured from being woonded: Its Hind-part mugh, that the Muscles may father the better to it. It has Three that the Modeles may fuffen the better toot. It has Thore different derivations. The first is with the lad of the Fer-cetor of the Loins, and is like that of the other Ferelese, The fectoral, with the O' Cacefer, by synchestiffer: It he third, with the Benes of the Hips. The O' Sacram is the Control of the Cacefer, by synchestiffer: It he third, with the Benes of the Hips. The O' Sacram is the third, with the Benes of the Hips. The O' Sacram is the Nomber of Ferelese. The highest is the greatefit where the Sacram is the Sacram is the Third Sacram is a to Hips Sacram is the Sacram is the present the point them, are not yet offficed. But in Adults, they are to firm, that they only make one Bene. "In in the O's form, that they only make one Bene. "In in the O's Socram, that they only which contains the Spinal Mar-row, terminates. See Veryberge. — Sacra Vens is a

Stermin, that the Cavity which contains the Spinal Marcon, terminates, ore VEXTREAL — Meter First is a test for the first own, terminates, ore VEXTREAL — Meter English in the Hist Vein; forestimes in the Flate where the two Histon Tentral Cavity is a branch of the Histon Interval. See Viria, G.S. Histon Tentral Cavity is a series of the Histon Interval. See Viria, G.S. Histon Tentral Cavity is not well known. The Critical on the Rack of a Histon Tentral is not well known. The Critical Cavity is not well known. The Conjugate of the Histon Histon Tentral Cavity is not well known. Propher samega the action Finely; and thereof, keys became the Latins Stella, Satella, Tin certain, the assistant Reasons even manquisted with the Use either of Stellar that the Reason Cavity, in the Time, were thighted to free Histon and Log for war of having their Feet Haltand on Histol Stack. And long before him, much on Hiefel-Lack, were tradeble usin Deficiation in their Leps, because of their haming down. The full Time when Galletin, calculated when Galletin, calculation had been supported by the Cavity of the Hisp and Legs, the West Capitality of the Empire, made Hedd againt his Army, and carring the Sequation where he himility was, there in Histonic Cavity in the Sequation where he himility was, there was a support of the Empire, made Hedd againt his Army, and carring the Sequation where he himility was, there was floutine of the Empire, made Head against his Army, and entring the Squadron where he himself was, threw him off his Saddle, as we are informed by the Historian Zonaras. Before, they made Use of square Pannels, such as we see in the Statues of Autominus, in the Capitol. The Use of Saddles was first ethabilitied in England, by a Law of Heavy VII. whereby the Nobility were obliged to ride on Saddles. 'Tis but very lately that the Irigo have

There are various Kinds of Saddles; as the resuning Saddle, a very final coe, with round Skiers. The Busgird Saddle, which has the Sear and Skirre plain. The Fad Sad-dle, of which there are two Kinds, the one made with Burrs before the Sear, the other with Boliters under the Thighs. nerure tre sear, tre other with Boliters under the Thighs. The French Pad-faddle, the Burrs whereof, came all round the Sear. Portamina Saddle farailfied with a Cantle behind the Sear, to keep a Carriage off the Rider's Back, War Saddle, furnished with a Cantle, Ce. Bolster both behind and before.

behind and berore.

SADDLB.gglff, is when a Horfe's Back is hurr or fretted with the Stédle; 'tis cured by bathing the Part withUrine, or warm Wine. When the Sore is large, 'tis cured by Agus Scenula, fittening over it the Powder of an old Rope or Flax, and confuming the Proud-flesh with Vi-

SADUCEES, a Sect among the ancient Jews, effected as Deifts, or Free-Thinkers, rather than real Jews, tho' they affilied at all the Ceremonies of the Worlhip in the they afficied at all the Ceremonics of the Workby in the Cremonic Set Epitheniu wal lawer them to niew taken Cremonic Set Epitheniu wal lawer them to niew taken Writernald, Tat the Sealouse came not the Commirina Writernald, Tat the Sealouse came not the Commirina in many Things; particularly in the March 1996, and the Commirina and the Commirina and the Commirina in many Things; particularly in the Commirina in many Things; particularly in the Commirina in many Things; particularly in the Commirina in many the Commirina in the Commirina in the Commirina in many the Commirina in the Commirina in the Commirina was formed in the Commirina in the Commirina in the Commirina was a second to the Commirina in the Commirina in the Commirina was a second to the Commirina in the Commirina in the Commirina was a second to the Commirina in the Commirina in the Commirina in the Commirina was a second to the Commirina in the Commirina was a second to the Commirina in the Com that the Saducess were Jews; inafmuch, as they affilled at the Worthip and Sacrifices of the Temple at Jerujalem: Whereas the Samaritans facrificed on Mount Gerszatin.

See SAMARITANE Some Authors afcribe the Original of this Sect, to or

Some Authors acrone one Original of this occi, to one Sades, a Difficult of Antigonia Sadesia, who frequently incultated it on his Scholars, That God is to be ferved for himfelf, and not one of View to any Reward to be received from him in the next World, as Slaves ferve their Malters merely for Recompence. Sades, add they,

for hands, and not out of View to any Result on be exceeded to the nine to ever Word, as Shase increment with the nine of the New York, as Shase increment with the nine of the New York of th

Planamer, Vin, Manner, A Vin, which artisps over a Self-Maintenant or asing first to AS PULMAR STATE of the Self-Maintenant or asing first to AS PULMAR STATE of the Thigh, distanges rettel near the Grean, here the Grean Vin.— This shaw then they talked in the Took. It has in Name probably from they lated in the Took. It has in Name probably from ASPE CONSULTY. A securing your by the Prince mader has Grean Seal, in a Stranger for this queet coming greated to Economy, the Pulifort in Prental, holges incrincing spec Asyft Condition to ASI in the ASIATION.

SAFE GUARD, Sales guardia, a Protection given by the King to a Person searing the Violence of some other

SAFE CUARD, Allow genther, a Florechine given by Section 2 (1) and 1 (1) and

by the elevend over with a fine Red, of an agreeable Sandt, free of yellow Thread, and very dry. The left Sogmen Brayle is that of Linguist. That brought some state of Linguist. That brought is that of Linguist. That through the Chool and Mechanics to chart, formerly, and relative. This also used by Hillmannort, to make a policy reglow reads and the choice to agree the choice. Logist come, which Engines to Hamm Linguist and Chymical Preparation, from the Refundation of their Colour to Reparation, from the Refundation of their Colour to Soffine of Fends. See Convenient Colour Soffine of Fends.

Suffron of Frant. See Convenil
Astrono of Mort. See Caocus Martin. Suffron of
Gold. One Annus Falsiment
Gold. One Convenient
Gold.

rout Tears, of a himy Sucil, and his shine table free of Detr, the lext. Soncement by Boad as this; both winin and without Side, as Milk; the this is two both winin and without Side, as Milk; the this is two years. It as the control operator and popularies, proport of the state 
Soptime. So the second in Europie. But the Wormsood Sage is eliterated of the most Efficacy in Medicine, and is that alone wild in the Shaper of the Medicine, and is that alone wild in the Shaper of the Medicine of a little Learning of the Medicine of the M

### Cur moritur homo cui falvia crefcis in horto?

Segs, when viewed with a MicroCope, appears covered all over with little Spiders which are fren to walk, 56, about. It yields, by Diffillation, a very agreeable, and the first of Stoppens of the Spiders of the Spiders of Control and Spiders of Control and Spiders of Control and Spiders of Control and Spiders of the Norteen Hemisphere. See Constructives, The Stars in the Control and Spiders in Typicaly Carticipum, are Five, and an analy in "Polombys," in Mr. Flamphers Catalogue they are Twenty Three; The Longitudes, Latitudes, 15¢, whereof are a follow.

| Stars in the Conficilat   | ton SAGI  | TTA.   |
|---|---|--|
| Stances and Situation of the Stars.   | S. Longitude  | Lat. Nort.   |
| Informes over Segitie, and preceding it   | 10 20 00 08<br>20 20 24<br>21 45 45<br>21 53 27<br>22 47 43 | 42 15 10 6<br>38 31 25 6<br>38 31 18 6               |
| Preced. Glyphis or Nib tow. S.<br>Preced. of three in the Shaft                         | 23 07 32<br>24 07 59<br>25 35 50<br>25 29 42<br>26 45 16    |  |
| In the Extremity of the Nib<br>In the middle of the Shaft<br>Last of three in the Shaft | 26 53 24<br>29 04 40<br>29 43 47<br>20 35 41<br>1 02 13     | 15 17 14 4 4 5 15 15 15 15 15 15 15 15 15 15 15 15 1 |

IS [B]

MLangitude Latitude. Names and Situation of orn orn the Starr. 1 34 53 36 39 43 6 2 42 58 39 13 39 4 2 28 66 37 14 03 6 3 00 24 35 35 06 6 3 33 10 36 35 02 6 In the Point of the Arrow
In the Triangle under S North
the Point South
Middle and Pofferior Preced of 3 following the Point 4 46 28 39 18 22 6 6 29 53 39 52 58 6 = 8 37 48 40 07 17 6

SAGITYA, in Botany, fignifies the Upper Part of any finall Twig, Cyon, or Gratt of a Tree.

SAGITYA, in Mathematicks, is the fame as the verfed Since of any Arch, and is focalled by fome Writers, because it is like a Dart, or Arrow, standing on the Chord

of the Arch. See SINE.

or the Arch. See SNE.

SAGITTA, BEGENERY, A Term fame Writers wie for
the Abigliff of a Curve. See Arscissa.

SAGITTAL SUTTURE, in Antoury, the feecond of the
groune Saturati of the Constitut. See Surveys. It reaches
the whole Length of the Head; and has its Name on
the Latin Sogistie, as being freegold, like an Arrow.

SAGITTARISES in differences the discharge of the Arrow.

aux tometumes alto catted Rhababaids.

AGITTARUIS, in Altronomy, the Archer, one of the Signs of the Zadiac; the Ninth in Number. See Sign. The Sarst in the Confeditarion Segistravist, in Puelsony's Catalogue are Thirty One; in Typichs Sixteen; In the Rhababaids of the Confeditarion of the Confeditario

Condition o AC INST AD THE

| Stars in the Constellatio                             | n 2  | SA  | G.   | T'  | T A | R    | IU                  | s.   |
|---|------|-----|------|-----|-----|------|---------------------|------|
| Manner and Situations of                              | Sign | Lon | giti | ıde | L   | titt | ide.                | 3    |
| the Starr.  | 2    | ۰   |      | 11  |     | ,    | 4                   | agn. |
| Inform. preced. the Bow                               | #    | 22  | 55   | oı. | 4   | 22   | 42A                 | 6    |
| 2111-1-11- F2-11                                      |      | 25  | 28   | 16  | 0   | 19   | 45A                 | 6    |
|   |      | 25  | 43   | 17  | 0   | 47   | 41/1                | 7    |
|   |      | 26  | 19   | 47  | . 0 | 47   | 50A                 | 6    |
| That in Point of the Arrow                            |      | 20  | 55   | 47  | ٥   | 55   | 51A                 | 3    |
| More North in top of the Bow                          |      | 18  | 54   | TO  |     |      | 54 B                | 4    |
| Subfeq.   |      | 29  | 15   | 20  | 2   | 41   | 28 B                | 6    |
| In handle of Bow agt. Hand                            | 77   | ō   | 14   | 10  | 6   | 25   | 21A                 | 3    |
| In the South part of the Bow                          |      | 0   | 45   | 33  | 10  | 59   | 54A                 | 2    |
|   |      | 3   | 04   | 54  | 7   | 24   | 47A                 | 7    |
| 10  |      | 1   | 17   | 40  |     | 48   | 39 B                | 6    |
| South. in North part of Bow                           |      | î   | 10   | 23  |     | 04   | oi A                | 5 4  |
| Preted. the Clara Hameri                              |      | 5   | 59   | 42  | 3   | 14   | 35A                 | 4    |
|   |      |     |      |     | 2   | 19   | 35A<br>12B<br>34B   | 6    |
|   |      | 7   | 26   | 23  | 0   | 48   | 34 R                | 7    |
| 15  |      | -   | 45   | **  |     | OI   | 40 B                | 7    |
| A. of contig. Stars in the Eye                        |      | - 6 | 09   | 07  | 1 6 | OD   | 12 B                | 16   |
|   |      | 8   | 11   | 09  | li  | 22   | 03 B                | 8    |
| Bright St. in preced. Should.                         |      | 8   | 02   | 12  | 1 3 | 23   | 32A                 | 3    |
| Subject of contig. in the Eye                         | W    | 8   | 22   | 14  | 10  | 12   | 33 B                | 5    |
| 20  |      |     | 06   |     | ١.  |      | 25 B                | 6    |
| Preced. of three in the Head                          |      | 9   | 08   | 61  | l î | 42   | 12 B                |      |
| That under the Arm-pit                                |      | 9   | 17   | 22  | 7   | 07   | 55A                 | 4 3  |
| Middle one in the Head                                |      | 10  | 40   | 42  | 0   | 54   | 28 B                | 14   |
| That und. preced. Shoul. bone                         | ;    | 10  | 30   | 10  | 5   | 01   | 12A                 | 4    |
| Laft of three ln the Head                             |      |     | -6   |     | Ι.  | -0   | 59 B                | 3    |
| Between the Shoulders                                 |      | 17  | 56   | 72  | 1 : | 0    | 57A                 |      |
| InNorth part of the South<br>Ephaptis of three Middle |      | 14  | 02   | 22  | 1 2 | 17   | 59 B                | 18   |
| Ephaptis of three \ Middle                            | 3    | 15  | 08   | 20  | 4   | 15   | 43 B                | 5    |
| Contiguous to that                                    |      | 15  | 06   | 17  | 3   | 48   | 43 B                | 16   |
| North of 3 in the Ephaptis                            |      |     | ٠.   | 49  | 12  | 16   | 42 B                | 6    |
| In the kind Shoulder                                  |      | 13  | 000  | 49  | 1 2 | 16   | 17A                 | 5    |
| Conriguous to that                                    |      | 15  | 02   | 43  | 1 2 | 21   | osA                 |      |
| A Third more North                                    |      | 15  | 07   | 46  | 1 1 | 54   | 26A                 | 16   |
|   |      | 15  | 39   | 04  | 0   | 12   | 20 B                | 6    |
| 35  |      |     |      | ,   | 1   |      |                     | 6    |
| In the Cubitus of fol. Arm                            |      |     |      | 12  | 1 3 | 11   | 53A<br>01A          |      |
|   |      | 18  | 28   | 04  | 1 7 | 23   | 041                 | 1 6  |
| Those folio. thoN. 5 Preced                           |      | 19  | 153  | 56  | 1 5 | OF   | 54 B                | 6    |
| part of Ephapt. of a Subfeq                           |      | 20  | 20   | 29  | 15  | 11   | 26 B                | 6    |
| Preced. in South Ephaptis                             |      |     |      |     | ١.  |      | P                   | 6    |
|   |      | 20  | 37   | 36  | 1:  | 27   | 02 B                |      |
| Proced. in the Root of Tail                           | 1    | 21  | 20   | 46  | 1 6 | 32   | AZZ.                | 15   |
| 4 middle ones in the S Sout                           | N    | 21  | 31   | 15  | 18  | 16   | 75A                 | 15   |
| 4 middle ones in the S South                          | 2    | 27  | 1    | 16  | 15  | 24   | 44A                 | . 5  |
| 2.& North in South Ephapt                             | i.e  | *   |      |     |     |      |                     | 1    |
| 2. in the Root of the Tai                             | ä    | 27  | 4    | 49  | 1 3 | 01   | 02 B                | 10   |
|   |      |     |      |     | 6   | 54   | 12 B                | 6    |
|   |      | 28  | 25   | 01  | 1 8 | 44   | 48A<br>32 B<br>40 B | 6    |
| 50  | ν,   | 20  | 29   | 27  | 17  | 31   | 45 B                | 16   |

AGUM, in Antiquery, a military Gament were by the Greek; Rameur and Gund, in Massect et a Calificity, the Greek and Gund, in Massect et a Calificity and the Greek and Gund, in Massect et al. (1998) and the Greek and Gunder. They had one for the Waters, and snocker Higher for Sammer.

SHACK, ex Company, a Yorkeyly Well, very pages of the Middle mattle, without critical for Sammer. So gene miles Middle mattle, without critical for the Greek and the Gunder of the Greek and a great Librance. There Middle ends at a great Librance. There Middle ends at the Gunder of the Greek and a great Librance. The California of the Greek and a great Librance. The Greek and a great control of the Greek and a great cont

impositive for terms use and them, so thing can our go they have the part the carry to Guns.

SAIGNER, in Fornication, a French Term, fighting to beld or derive. Here they grow a Man, it is comply or draw out the Wart by Conveyment of the origin to deal or derive. Here the fighting to beld or derive. Here the fighting to beld or derive. Here they grow a Man, it is comply or draw out the Wart by Conveyment cally, after Isying Hardees or Ruches on the Mad remaining.

SAIL, in Navigation, an Affenblage of Everal Breachts of Cavary, or Clash of away Heng, fleed the French of Cavary, or Clash of away Heng, fleed the Hardees and Says of a Veffel, to make draw before the Vanid which bears frecupent. There were drawn before the Wind which bears frecupent. There gedher by the Life, and edged around with a Lordy general power of the control of

milis. Phere and See WINDMILL SAILS, in Falconry, the Wings of an Hawk are fo

SALLING, in a general Sente, is used for the Art, or Act of Navogation, or of determining all the Cases of a Ships Motion, by Means of Sea-Charts. See Navion-Tion. Of this there are Three Kinda, Plain, Mertin, Mert cator's, and Circular.

Plain SAILING, is that performed by Means of Rhumbs "Plan Salling, is that performed by Means of Rhombs drawn on a plan Chart. See Plans Chart. Mercator's Salling, is that performed by Rhombs drawn on a Mercator's Chart. See Mage. Arms. Christoler Salling, is that performed by the Arch of a great Circle; which, of all others, where practicable, is the fhortell. See Circular.

Dollrine of PLAIN and MERCAYOR'S-SAILING

Cafe I. The Longitude and Latitude of Two Places given ; To find the Departure, or Miles of Longitude.

To plus the Doperson, or Moles of Longitude.

In 97this failing, 1° If both Hose the more Entity than the first Microlian, taborate the life. Longitude from the greater, the Remissione is the Difference of the Complement of the Longitude of the theory of the control of the Longitude of the more Entity to the Complement of the Longitude of the more Entity to the Complement of the Longitude of the more Entity to the Complement of the Longitude of the more Entity to the Complement of the Longitude of the more Entity to the Complement of Longitude of Microlians into the Institute of Longitude and Complement of Longitude of the Complement of the Longitude of

In Mercatar's Sailing. The Reduction is much more commodically performed in Mercatar's Cherts; wherein the Arch intercepted between the Two Mercidians, is applied to an Arch of the Mercidian intercepted between the Two Parallels; and the Dildance it there mediators, gives the 'Departure, or Miles of Lengitude required. See Daparture and Lowesturbs.

Case II. The Laugitude and Latitude of Two Places, to and from which, a Ship is to fail, being given; To find the Rhumb to be failed on, and the Instance to be

In their Solling v. Field the Departure by the init Cafe. 2. From the Departure, and Distretore of Lattice of the Solling of the Angel of the Rounds in the Distretor of Lattice is to the Departure, for is the whole Size to the Tangent of the Angel of the Rounds in the Distretor than 10 to be true on this Rhumb, is to the Departure, as the whole the Solling of the Since to the Since of the Angle of the Rhumb, See Ruma. In Advances's Soliege, a Apply the Centre of the Mameric Computs on the Place failed from, on the Rhumb of the Angle of the Meridans. 2, Mart the Rhumb of the Since of the Meridans. 2, Mart the Rhumb of Face of the Angle o

Now, we Ramb and Diffuse may also be found at me the fame Maner on plant Garry - part front; Pare from the Text of the Maner of the Control o

Cafe III. The Rhumb and Diffance failed being given; To find the Langitude and Latitude of the Place arrived

In Plain Sailing. 1. From the Data, find the Difference of Latitude of the the Two Places: (by the Propution delivered under the Article RHMM-fine). This Difference added to the Latitude of the Place failed from, or fabracked from the faine, the Sum, or the Remainder, leaves the Latitude of the Place failed to 2. From the fame, find the Departure; and thence the Latitudes of the Place failed to (as directed under

Riman fina.)

In Mercarde Stilling. 1. Place the Mariners Compaß
on the Chart, with the Canter over the Place a 2 and the
Mercalan, on Norther of South Line, parallel to the Meridian thereof. 2. From the Fount a, draw a right Line,
as a â, for the Ship's Counter. Take the Dilliance by
Parts, in Parts of the Mercaldan IK, KL, gife, and fer is
off wyno the right Line als 2, E. gr. from a to c.; Then
off wyno the right Line als 2, E. gr. from a to c.; Then
and Line and Line and Line and Line and Line
and Line and Line and Line and Line
Castro. RHUMB line.)

Giann. De Zentennie Feller, a Underlei give Bland, for der Dilbere auswirden der Leitung der der Pülzer auf gestellt der der State fülled firms, and either abd ir n. or fehraz ilt in der gene Dilbere, as he Lutting der Place fälled firms, and either abd ir n. or fehraz ilt in der sich der State für der sich der State für d and from

Case IV. The Latitudes of the Places failed to and from; together with the Rhumb failed in, being given; To find the Difference and Difference of Latitudes.

In Plain Sailing. From the Difference of Latitude and the Rhumb-given, find the Difface; and from the fame Data, the Departure. See RHME. This aboverted in-

D ON 1 to Dogress of a great Gride (See Droina), exhibite the Difference of Longitude Gright.

A Memory's double, 1. Pince the Compails on the American Studies, 1. Pince the Compails on the Group, 4, area who Rhumbine c. Pince the Difference of the Pince of Longitude in the Company of the Medical Company of the Limited of the given Pince, and the Longitude of the Longitude of the Longitude of the Longitude of the Limited of the Uniference of Longitude, the Longitude of the Limited of of the Limite stance of the Places.

Case V. The Latitudes of the Places failed from, and to, with the Diffance green; To jund the Rhumb and the Difference of Langitude.

In Plain Sailing, From the Difference of Latitude, and the Diffance, find the Rhamb, and from the fame Date find the Departure; which may be also determined from the Rhamb now found, and the Difference of Latitude, or from the Rhamb and the Diffance run. Latify from the Departure find the Difference of Longitude. Sec RHUMB-

See Rusun.

In Mercater's Suiling. On the Map draw the Parallel,
the Ship arrives at, C.D. Reduce the Diffance run into
Parts proportional to the Degrees of the Map. The Diflance reduced, being a 2; from a deferibe an Arch cutting the Parallel C.D in 2: Then will a be the Place in
the Map; whose Longitude accordingly is cashly

found. tomat.

"Submat the given Latindes from each offer its and in the Tables seek the Rhumb, under the property of the control of the control of the control of the control of Latindes. Submate the Longitude under the Rhumb, answering to the Latindes of the Place failed to gather than the control of the Rhumb, answering to the Latindes of the Place failed to gather than the control of the Rhumb, answering the Latindes of the Term failed to, from each other, the Remainder is the Difference of Longitude fought.

Case VI. The Difference of Localitydes of the Places failed to, and from, with the Latitude of one of the Places, and the Differen run, being given; To find the Rhumb, and the Latitude of the other.

In Plain Sailing. Convert the Difference of Longitudes into Miles of Longitude or the Departure; Iron the given Departure and Diffiance ran, feek the Rhumb: And from the Sume, and the Rhumb; leek the Difference of Latitude; which, and the Latitude of one Place being had, the Latitude of the other readily follows. Sec RHOMB.

being had, the Lutimée of the other residify follows.

A followers of lainer, Through the give Place a in the Map, draw a right Line E P parallel to the Map and the Difference of will be the Mendian the Ship's artived at. Then from a wint the Interval of the Difference at, of definite the Map and the Map

Cale VII. The Difference of Lengitude, and the Latisade of one of the Places, being given, tegether with the Rhumb; To find the Diffence one, and the Latisade of the other Place:

In Plain Stilling. Reduce the Difference of Longitude into Miles of Longitude, or Departure, as under the first Cafe. From the Departure and the Rhumb, find the Diffance ran. (See RHUMB). And from thefe, or from the Rhumb, and the Diffance ran, find the Diff.

Foreca of Latitude. This done, as the Latitude of the order is already had, that of the order is to too. In Memory's Ossige, Flate the Company on the Parkers of Latitude. The Memory's Company on the Renderman of the Company of the Latitude in the first Case, the Tabalar Distance is to be fubtracted; or in the latter Case, that Distance to be subtracted from the Tabular Distance. What remains, is the Diffance roo

is the Dittance roo.

From the Solution of these Cases in Sailing, 'tis evident, forme are more easily performed by the Charts than the Tables; and that the Mercester's Chorts are preferable to the Plain ones; since in the latter, the Diltance is not reduced by the Map, but by a particular Scale for that Purpole.

### Doffrine of CIRCULAR SAILING

1. The Latitude and Longitude of the Places failed to and from, being given; to find the Angle M (Fig. 8.) which a Ship's Way MO preceding in a Circular Course, includes, with the Meridian P. M. of the Place failed from.

Since in the Triangle PMN, we have PM and PN, the Complements of the given Latitudes H MI, and 1N, the Complements of the given Latitudes H MI, and 1N, the Difference of the given Longitudes H and I I, the Difference of the given Longitudes H and I I the hopke PMN is found by Spherical Trigonometry. See Transact.

II. The Latitude H M, and the Longitude H, of the Place failed from, M, with the Diffance run, and the Lati-tude of the Place L S the Ship in a Greuter Veyage arrives at, being green , to find the Longitude of the Place L, and the Angle P L M comprehended between the Slap's Way M L, and the Meridian P S.

SAILING-

SALLING, in a more confined Scrife, is the Art of con-ducting a Veffel from Place to Place, by the working or handling of her Suits and Rudder; though what is done by Means of this latter, is more properly called Steering. See STHERING

See STREANG.
To bring Stilling to certain Rules, a late Author computes the Force of the Water, against the Ship's Ruder, Stem or Side; and than of the Wind against her Still's in order to thus, he confiders all Fluid Bodies, as the Air or Water, 15t. as being composed of little Farticles, which, when they all upon, or move against any Sartac, do all move paralled one to another, or thick Surface, do all more parallel our to morbot, "et rithet, against the Soffice after the firm Manner. He considered, "a Thrust the Victor of sup  $\{p, d\}$ , and the problem of the problem o

of Monon AE being protell or bet Switzes D.C. camber affect it at all jis finis the whole Monton of the Body A in that obliges Manner of thrilling on the Switzes, will be a finished to the same of the American and the American at a Chief. But American at a Chief, who Center is at D. B.A. will be the Line of the Angle of Incident at the American at a Chief. But and the the Line of the Angle of Incident and American at the Amer Motion A E being parallel to the Surface D C, canno the Solis, or of the Ware's guant the Radder, will be to one another, at the Squares of the Lines of the Am-ges of localesce. If the different Engrees of Velocities them he as the Squares of the Velocities of the moving Art or Ware; that is, That a Wind that Bown thrite as a though or more three at visit as a zooder, will ing also indifferent, whether vow confider the Morion of a Solid in a Fluid, whole Farticles are at rel, a rof those Particles moving all parallel against a Solid that is at Solid in the Particles and the Squares of the Particles of the Solid is not the Squares of the Squares of the Squares of the Solid is Particle in different Velocities in the fine Fluid Solid be moved with different Velocities in the fame Fluid

a Sodd in a I bild, whole Particles are in reil; or of hide reft, her reciprosal huperflow home gaveys the finer. It is Solid be moved with different velocities in the fine Dilid Little Solid be moved with different velocities in the finer Dilid Little Solid be moved with different velocities in the finer Dilid Little Solid be moved with different velocities in the finer Dilid Little Solid be moved with different velocities of that Body, for the solid beautiful to the properties of the Body, and the solid beautiful to the body of the solid beautiful to the local solid beautiful to the body of the solid beautiful to the proposed H M K. By what it is find above, the Salid CD, will be driven by the Word A B, according to divide the Water every Way with the finer Endility, as five doth with the Head, the Ship would go directly receptors but rittle Courfe, the would have get freach the Little Solid beautiful to the Salid beautiful to the solid beautiful to the Salid beautiful

the former Case, the Head of the Ship always coming to the Rudder, and in the latter always flying off

um the Koaller, and in the latter always flying off Solitor (Solitor) and the Solitor (Solitor)

and more in Louis, in 1794, in its obscurer new pairs.

SAMER, is a See of Camous and it either extraordinary, and entry, or leaf Suer. Safer Zentzedinary, in the Ten See of Camous and its close and fair Diameter, and dementing more than 7 Found and a Quarter Weight in Level Rangel in 20 Found, Safer Jones Safer Facel See, 150 Found and 150 Founds of See of Camous 
SAL, in Chymistry, &c. SAL Armeniac, or Ar SAL Fetre, or Nitri, AMMONIAC. SALT-PETRE, SAL Tymolle, SAL Tarrari. TARTAR. POLYCHR GEMMA Sal Polychreftum, Sal Gemme, POLYCHREST.

An Federic Goglau, an Aronais Falaiti Solt, fittle perpared by Grinis Ale Birt, and Good a very norther Medices, christy as Caphain and Colisi. The made Macleus, christy as Caphain and Colisi. The made Macleus, christy as Caphain and Colisi. The made Macleus, christy as Caphain and Colisi. The made Macleus and Caphain and Hall of from Aronais Coli, or Efficie, draws from fone gentron Aronais Vegetals, which per a 21-ma and Hall of from Aronais Coli, or Efficie, draws from fone gentron Aronais Vegetals, so that the Spirt and Ol as very differed and Market Spirt and Ol as well first dead the Cooperate Inspirt and Ola we will first dead the Cooperate Infirst the Colision of the Gost Market Spirt and Olar accept the fore form Very is of the Colision of the Gost Market Spirt and Olar accept the foremet Very is a contract the Colision of the Colision o

fift, ein. he Gol. Ammonies, Sal. Testers, Sparte el Wine Gold, et al. (2014). Testers, Sparte el Wine Gold, et al. (2014). The first way is preferred. See Vall. Alpin. 100 del et acce, but the formet Way is preferred. See Vall. Alpin. 100 del et al. (2014). The Sal. (2014) del et al. (2014) del et al. (2014) del et al. (2014). The Sal. (2014) del et al. (2014) del et

SALAMANDER's BLOOD, a Term the Chy-mits give to Red Vapours, which in Diffillation of Spirit of Nitre, towards the latter End do fill the Re-ceiver with Red Cloud's they are the mort fixed, and firongelt Part of the Spirit; and nothing but Nitre yields

a Red Vapour in Diffillation.
SALARY, Susarium, in old Law Books, a Toll, or
Daty paid for Salt. Also a Stipend, or Wages for any

parely on Account of the Succeillon to the Crown is Since it extends to private Perlina is much as thole of the it extends to private Perlina is much as thole of the by our Huny I, in compiling his Laws, Cap. So, 20th to the feeting leavants legan Solicious menture. By Solice be feeting leavants legan Solicious menture. By Solice Lands or Inheritances was anciently expected all Lands by whatever Terme held, whether Noble or Black, from the Succeilion whereto, Women were cachied by the mental properties of the Solicious Compilination of the Succeilion whereto, Women were cachied by the Modera of the Solicious Compilination of the Solicious Comp Solie Lew, and admirated to inherit nothing but Morea-bles, and Parchales, whoever their wee ray Males. In-deed, M., Froolan Oblivers, That three were enginally Solie Leads, difficupatived from all others, and delined for the Military Feople of the Nation, and to their, its inputed, the Leave was originally intended to be confined. M. Eccard, a Hemoretien, is find to have recovered an american 1% of this finness Leave, containing a rhole Part are of, much more law, or containing a rhole Part are of, much more law, and the law properties of many containing and the containing and and advanced to the contraction of the law Leave, hitten-ark containing and the law of the law

with a very critical Chronology of the time Lorin, nuterous mines and the control of the Control of Loring Age Gallie, Secatify peculiar to the Gratin. Cond takes the Readen to the Affirst Lorin was control of Loring Age Control of the Control of Loring and the Periodene is abounded with Affirst Affirst May 100 and the Periodene is abounded with Affirst Affirst May 100 and the Periodene is abounded with Affirst Affirst May 100 and the Periodene is abounded with Affirst Affirst May 100 and the Control of Loring Affirst May 100 and the Control of Loring Affirst May 100 and the Control of Loring Affirst May 100 and Loring Affirst May 100 and Loring Affirst May 100 and 100 Sentiment of Rhemman and Eurlins, who are followed by feweral others; a mong the refs. Memorg, Reglems, Rord, and Jonaton. He fit by, it comes from the West (Self), which is the fit by, it comes from the West (Self), which, it has the French in this Lew instituted the Policy of the actions Remens, who made Solatoney Lows, which the Magiffrattee were to have before short when they administrally platine. This he proves from a surious Figure taken over of the Neurisa Insperis, wherein the ferrencies I reg. applications.

BOOK to represented covered with Gold, with this in-feription J. Exps. Soliners:

SALII, in Antiquity, Frieflay of Mars, whereof there were
Twelve, inflittened by Numa. They were painted with Particoloured Garmens and high Bonnets, with a Steel Cairsffe,
or Breat-plate on the Ereaft. They had their Name

[C]

soils from belows, to dance, because, after astilling at solarine, they were dancing above the Surceas with Agoyless Backlers in the Left-Hand, and a Red in the Agoyless Backlers in the Left-Hand, and a Red in the Agoyless Backlers of the Code. There were I've Companies or Colleges of Soils; The ancest third blinds by Monas, called Advinces of the Code indicated the Companies of Colleges of Soils; The ancest third blinds by Monas, called Advinces of the Code indicated the Companies of Code in the Code in Solii from Saltare, to dance; because, after affilling at was called Collegium Saliorum

was called Golfgiam Schieruns.

Wer Pappelers mich se mention of Schies Madis, Friguers Schierun, hire for the Parpelers and objects with the Smith. Schierun, hire for the Parpelers and objects with the Smith Schieruns. The Schieruns is the Schierun Schiesun, who give and the sense in the Palatects for Kings. M. Zeria dates, if there is a Figure of one of Kings. M. Zeria dates, if there is a Figure of one of Schiege, M. Zeria dates, if there is a Figure of one of Schieruns. The Schieruns is the Schieruns in the Palatects of Schieruns. The Schieruns is the Schieruns in the Palatects of Schieruns in the Schieruns in the Palatects of Schieruns. The Schieruns is the Schieruns in the Palatects of Schieruns in the Sc

The results have the chain or Figure of any solder.

SALVA, Solder, in in pelicial Hausser, featured by a Fifti imagine.

SALVA, Solder, in in pelicial Hausser, featured by a Fifti imagine.

Ultic. See Sexvax 20th; Ir condite of a gent deal by pages Solder Medit into the Mouth, for feveral Ultic. See Sexvax 20th; Ir Condite of a gent deal to the condition of a gent deal to the condition of a gent deal to the condition of the condition of a gent deal to the condition of the cond

time, or Glands of the Palate; See each under its proper and all distingt on Food, and making the first Digitation thereof. The other Ules are to moriton the Tougat, and dilitingt on Food, and making the first Digitation to the Confederation of the Confederatio

Name has retured this Opinion by toweral Experiments. Too great an Exerction of Solicies, Borelsaue observed, diforders the first Digestion; and hence causes Thirst, Deyness, a black Bile, Consumption, Atrophy: On the contrary, if no Solicies be discharged into the Month, or less than ordinary, it spoils both the Manducation of the

Food, and its Taffe, Swallowing, and Digeftion; and withal, occasions Thirst. Food, and the Latte, Swellowing, and Digettion; and
SALUVAL, or Schizery Zhoff, in Anatemy, retain
ittic Canals Intely alteoreted whereby the Sainer falls
intic Canals Intely alteoreted whereby the Sainer falls
intic Canals Intely alteoreted whereby the Sainer falls
of the Sainer Sainer Sainer Sainer falls
of the Sainer Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer fall of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Sainer falls
of the Saine and not in Man.

and not in Man.

As the Dimutal of Solite is parent to Mattenities
As the Dimutal of Solite is parent to Mattenities
As the Dimutal of the Solite is parent to the Justice of the Solite of Differ, for thrown the Differ, for
the provide part date over the Julipid Magisters
of the provide part date over the Julipid Magisters
of the Provide part date over the Julipid Magisters
that the Julipid Clark has expliced, by Menn worrend, he
Maristary Glothyl are placed, by Menn worrend, he
makesitary Glothyl are placed, by Menn worrend, he
printed in the Practic Solice (Julifier), as the Application where
parties in the Practic Solice(Julifier), as the Application of
the Calcius of Digitalizins, in drawing the Hyunte
parents. The Agriculation of the Calcius and Lyn, is folte the Difcharge from the Glands of the

nicera to pramote me Dicktarge trem the cusmas or me SallLAVATION, in Medicine, a promessing of the Plant of Salver, by Mean of Medicines; chelph Mercey, See Max.co.at.ac.. The chef Us of Salverian is made of Salverian in the Control of the Salverian in Control of the Salverian in Control of the Salverian in Control of Salverian in Control Medicines as create fome flight but conflant Noufes; as meanines as create tome llight but conflam Nonling; as Sticking not quite fixed, not yet quite cancit; a little com-mon Virriol, Eb. but chiefly fisch as diffalve all the Parts of the Mais of Blood, turn them into Lympha, and thus caule a Protulfin. Such is crude Quickfilver, Cinna-bar, a Solution of Quickfilver, in Juna Parts. White and Red Precipitate, Turbith Minerale, fuseer Sublimate of Mercury, Es.

Red Precipient, Turbith Minerale, facet Soldinane of Mecony, LG. Salvis-Yoo, in one a very faul Mecony, LG. Salvis-Yoo, in one a very faul Mechael of Ours; effectedly in Veneral Somphulous, and Hypecheodine Cades. In Effect, proved the farred hypecheoline Cades. In Effect, provide the Grand Particles of the Cades of

and better Method. The Missual Globales, he driets, being normardy combond with Sults, in the Preparation and Comment of the C

Indeed, a great French Physician, M. Chicoyness, Chancellor of the University of Montpellier, has lately done fome Difcredit to the Practice of Salivating in any Manner; And that, in a little Treatife lately published, where he endeavours to prove, That the Suironties it felt where he endersom to proor, That he deSpeciation still committee moding to the Can, Just is notice president and a committee moding to the Can, Just is notice president as an independent of any Expansion at all, and that it has preally an Specialism. This without Resides, therefore, a distriction, the control of the committee o been lately, too, tried in England, and with Success; as appears from a Translation of Chicoyntan's Piece just published with Notes.

SALLET, or Salade, a Difh of catable Herhs ord SALLET, or Salade, a Difth of earable Herbs coefus-ingly accompanying Reati-meat, composite cherify of crede, firth Herbs, featlood with Salt, Oli, and Viregar. Some and Multach, and Eggs, and Ougar others, Fepper, and the Composite Composite Composite Composite Composite and the Composite Comp late. But this Definition includes Par-hards, &c. which the Generality of Authors deny to be any proper Salleting, though others Hilly maintain it. Meange derives the Word from the Latin, Salate, of Sal, Salt; others from Saleston Du Cangle from Salgama; which is used in Aufo-vitis, and Columella in the Jame Senfe.

#### Composition of SALLEYS.

The principal Soller-berlet, and those which ordinarily make the Bads of our English Sollert, are Lettice, Sellery, Bendiev, Cerlisk, Radsth, and Rape, & Along with which, by way of Parniture, or Addationals, are infed Parliane, Springe, Sorrel, Taragon, Barret, Corn Sallet, and Chervil. The different Tailes of Mankind will not and Chervil. The different Talles of Mankind will not allow any certain Mixture of theke to be preferried as most agreeable, but fill, in mixing them, the Relift of the fee-ter of the them of the them of the them of the them must be and binning, as Creftle, Murtaid, Sellery Tangson, Chervil, the with those that are more cool and inspired to the Talles as Turniya, Rape, Spinney, Lettice, Corn-Sallet, Parline, Eds. by this Means the Herbs may be 16 juil-ment of the them of the them of the them of the them of the way of the them of the them of the them of the them of the way of the them of the them of the them of the them of the way of the them of the them of the them of the them of the way of the them of the them of the them of the them of the way of the them of the them of the them of the them of the way of the them of the them of the them of the them of the way of the them of the them of the them of the them of the way of the them of the not over power all the rest; and the infipid Kinds be diferetely used to moderate and qualify the Heat and Pun-gency of the others, as the Scason of the Year is more hot or cold; so as every Salles may not only be agreeable to the Taste, but also Physic to the Body.

#### Culture of SALLETS.

The Cardener all Saud Fords in Saudier, the which fewel above the care while in the South Latter Cardenel Mediated, Radidh, Turniy, Spinney, and Latter all shifts are raided from Secta from to Drillie or Lates, from Mad-Farmare, and these to the Middle of Mary, upon the Cardener was the case to the Middle of Mary, upon the Cardener was the case to the Middle of Mary upon the Cardener was the Ca

Hour, e'er they be uited, recovers them. In gathering Small berrit, the belt Way is to pall them up by the Roem (om the low Beds.). If the Room be lett, and a fecond ground the lett, and a fecond polyer. In favour, for a the lame Bed, it will not peopler. In favour, for a the lame Bed, it will not peopler. In favour, for the lame Kind by the shirt seek and the state of the lame Kind by the hat Sords of the Isme Kind be not fown in the fane Plate's part the Goods in the lead folly varying in Black plate for Goods in the lead by varying the Black plate for the Goods of the lead of the Goods of the lead of the Goods of the Good Rousen will fearer bear the Frost.

For the Additional, or Secondary Sallet-berbs: Burnes.

For the Addresseal, or Secondary Solles-berls: Burnel and sool permised Herb, whole trader Leaves, mixed with cold permised Herb, whole trader Leaves, the cold of a Gocumber: "Tus propagated by Soog formed to the finer Manner, makes a good Winter Soller Farmitare; 9th-gar, an infight, yet cooling Herb, is admirted by fome in Manner.-Sollers: "Tus railed by Social Sown in Manuel, when the vongel Leaves at well with yet of the Spring, when the vongel Leaves at well with yet of the Spring. in abbilitiers. States: "It is mixed by Seeds from in Admitwhen the young Laves are very aprecise." The raind
from Seeds from in Morely, slightly in Roses or Denils
from Seeds from in Morely, slightly in Roses or Denils
from Seeds from the Seeds from the Seeds of Denils
from Seeds from the Seeds from the Seeds of Seeds in the
Winter and Spring. The Jones in Morely, Afgerly, and
Winter and Spring. The Jones in Morely, Afgerly, and
time the San, that the Leves may be large cough fact book
ing in the Winter. Yorkyon, of all obserts, fixed nove
ing in the Winter. Yorkyon, of all obserts, fixed nove
in the San, that the Leves on the Issue of Seeds of the
time to seed of the Seeds of the Seeds of the Seeds
from the Seeds of the Seeds of the Seeds of the Seeds of the
Morels—Seeds on the Spring. Zonderfor blankful,
which is talked in almost every floughed Field, make the
Barrage, as part of the Seller Fundamers others, Frend,
and Yorky's See For-Vileans.

### Preparation and Dreffing of SALLETS.

The Sollery and Endow, have their hollow, green Som, or Salk, frigingl of all its ouride Leaves, and lined in the blanch of here, curring, the front into fact leaves, and detailed, and cleaned, or all flashy Leaves, Go. are width carried by finalizing, him about petus in Systems, water had to what of all inperfuses Modlings, then flowing them in Sorting water had to what of all inperfuses Modlings, then flowing them in the contract of the solution of the sol VINEDAR. The Salt to be the best ordinary Bay-Salt, clean, bright, and dry. Some indeed recommend the Effential Salts and Spirits of Vegetables, or those of the Alcalizate and Fix'd Kind, extracted from the Calcination. of Balm, Rofemary, Wurmwood, &c. and affirm, That, without earing the gross Sallet-berbs themselves, we might without earing the grots assure levels the micross, we might have healing, cooling, generous Sallets, wholly out of the Salt-Sallet. See Saltz. Nove, in the Proportion of the Salts, Papers, and Vinegar, Regard is to be had to the Season, Canditution, 5%, the two firth being belt for cold, the fercond for hot Strunchs and Seasons. For a mode-rate Orasine, or Sallet-Vebide, to three Paris of Oli, put the treasure, or Salles/Paicit, to three Parts of Oil, put one of Viregar, in Lauren, or of Mixture, free Silica of Hodoractiff with a little Salles, Mixture, free Silicas of Hodoractiff with a little Salle, occidently, and a little Gainer Peoper, and Mustrat, with the Yolks of two Eggs boiled, fuguered, and brilled into a Mafin therein. Pour the Whole on the Herbs, thriling and oringing them till they be thoroughly imbibed. SALLY, in Architecture, from the French Sallie, is what we more usually call Projecture. See Projec-

NALLY, in the Military Art, the iffusing out of the Befreged from their Town or Forr, and falling upon the Befregers to cut them out, and their Cannon, hinder the Progrets of their Approaches, detroy there Works, USA. To Can off a Sally, as to get between these who made it and the Town.

and the Town.

SALON, or Solom, in Architecture, a very lofty, fla-cious Hall, valied at Tup, and famenimes comprehend-ing two Souries, or Ranges, of Windows: Air that at Blutherin House. The Airer is a Grand Room in the Middle of a Bailling, or are the Isa'd of a Gellery, Sci. Let Exce, or Sides, are all to have a Symmetry with reas Souries, in Celling, Device of Gerrer, Bould be with a moderate Sweep. The Solom is a State Room. "The machine the Solomia Solomia and Germ threese the and motors; and as it some of the control of the co

be extremely an ingredient in all Animal, Vegetable, and Mineral Bodies, excepting perhaps fome Metals, and Stones. In Vegetables and Mineral Bedies, that have undergone a Fermentation, the Sale rifes first in the Alembic,

then the Phlegar: If the Mixt have undergone a Fer-

then the Palegars I fr its Mixer have undergone a Fer-mentation, the Soft-rise after the Palegar. the Manner of certarling them, 15c, into Palatin, Farin, and Eljimate, SALYE are distinguished, with Kegard to the Manner of certarling them, 15c, into Palatin, Farin, and Eljimate, Palatin Salit, are note light, faished ones, which the Palatin Salit, are noted light, faished ones, which the Palatin Salit, and the Salit, and the Soft Caratter Salit, Faring Salit are faith as, being more Gross and Marcial, relial and distin the Fire and are not raised by it, but remain, after Calcination, or Diffillation, in the Eurily Pair, as the Bottom. For the Manner of Extracts Earrhy Fart, as the Bottom. For the Manner of Extraling them, U.G., for EPERS SALT. Elightid Most so
thole drawn from Vegenables, without the UI of Pire,
as by Cyrlidation, and other city, hartard Means. See
EBERTAL SALTE. Poblatic Most: become diffinguishinble to the Node, Togong, and Brian, by their Tecuty and
Britistness; First Most: by their Briterness, and Haza
in the Mosth. To these my be added an intermediate
in the Most. To these my be added an intermediate
are thole reduling from a Mixture of a Falsatic with
freed Solft. Fixed Sals.

Kind of Sali, under the Title of Messe Salit; which Kind of Salit, under the Title of Messe Salit; which Salit are of different Kinda, according to the difficult Salit are of different Kinda, according to the difficult Salit are supported by Fire, and Listration; just her as ill Effective Salit Salit of Opportunity Principles. There are other Masture Eparalise by Fire, and Listration; just her as ill Effective Salit for onlike are mixed, and whole Miseans we know percry near-freight are mixed, and whole Miseans we know percry near-freight are mixed, and whole Miseans we know years near the Analysis will not render them more Simple, which is the facility of the Charles of the Chymical Principle Salit; for our Analysis will not render them more Simple, which is the facility of the Chymical Principle Salit; for our Analysis will not render them more Simple, which is the facility of the Salit Salit, which can under the Definition of the Salit Salit, which can under the Definition of Two whereof are Felicial, and the Third First. The Politist ones, are fall Salit, which can under the Definition, and their Definition, and the Distract, and the Third First. The Politist ones, are composabled. The Analysis of the Salit Salit, which can be a supported to the Salit Salit, and Virral. Combination whereoff, with different Chy Missers, all the Natural Salit, we know of, are composabled. The Combination whereoff, with different Chy Missers, all the Natural Salit, we know of, are composabled. The Combination whereoff, with different Chy Missers, and the Natural Salit, we know of, are composabled. The Combination whereoff, with different Chy Missers, and all the Natural Salit, we know of, are composabled. The Combination whereoff, with different Chy Missers, and the Chylles Salit 
The Principle Salt is held a Miss between the Affice and Paffice Principles. The pere Acid, though accom-

model with its full-basses determinating. Matters never-becomes formille but when longed online in finess; many forms of a state of a state of the state of a state of the sta accompanies in its either Spirit of Nitre, or Spirit of Commu-Sult, or Spirit of Vitrol; and what we have been obtened of the three Simple, or Fuffis Solits, may be applied to all other more Componed Solit of Hanse, shimals, g. Sc., with this Difference, That when, in Form of a Converte Solit, the Lat all ways use a greater Quantity of earthy Mar-ter, and whom in Form of an Acid Spirit, a greater Quan-tity of appears shikare, than the Smitple cont. Waters they depend ship of the Spirit of Spirit of Spirit of Spirit all swips worker, lighter, and left penetrating than tolef of PMS Solits: a solid for Diffillation clove a merser coun-Foffie Sales; and after Diftillation leave a greater Quan-

Fifth 80 Mrs. and after Diffillation leave a greater Quantity of earthy Matter behind them.
We don't know pecificly what Figures the three Silt-Principles, died, Francia, and Livisoid, must have. But to judge by their Bifelth, one would conclude, the Addit to be pointed, only the binuss filterfule in faces followed to be pointed, only the binuss filterfule in faces followed for the first following force of the Add, and founce the feed of 0 in of the first filter for the first following force of the Add, and founce the Add, when the calciling First could not excell.

ning Fire could not expel

calcining Fire could not expel.

Acid Spirits may be conserved as pare, and without
my Marmers in which Cule ill facisis will be found of
my Marmers in which Cule ill facisis will be found of
my Marmers in which Cule ill facisis will be found of
the control of the control of the control of
my the control of the control of the control of
my the control of the control of the control of
my the control of the control of
the control of the control of
the control of the control of
the control of
the control of
the control of
the control of
the control of
the control of
the control of
the control of
the control of
the control of
the control of
the control
the contr may have retained a rare of the Oil of the riant, which is their Sulphur; fince in reducing these Acids into Sults, we always find a little Oil therein; which can be nothing else but that of the Plants themselves. And for Sultelfe but inter of the Planus termicibere. And for 50%, represent a third subsystems from Particumberd of with the property at the interpretation of the control of the property of the propert Third Clafe is of fielde which consains amore fixed microscaping nearer the Properties of Allendare Supremoding nearer the Properties of Allendare Supremoding to the Properties of Allendare Supremoding to the Supremoding S

carracted all the Saltraft herefrom. See Sa.S.S.v.,
The faiphames whaters of the First Clark of Acids be ing very light, and taking up a deal of Place, must angmust the Balk of the Faints of the Acids to which they are joined. And bence the Acids become diffished from penetrating very compact Bedies; but their Sarface benig increased from the time Caufe, the Plane will have the greater fold of whire them: And hence the Acids to the result of the Caufe and the Saltrage of the Caufe and the Saltrage of the Saltrage of the Saltrage of the Saltrage of these where saltrage is the case affects of the Saltrage of these saltrage of the Saltrage of these saltrage of the Saltrage of these saltrage of the Saltrage o the Cata act more neutry man any or the reta-, the we low, a king (licken) with a prest (paging vide larly) Matter, which ferves it as a Marin. Hence it unless of the control of the cont therefare all with left Violence than thole of the Eirlt Claif of Solet. Acids joured to Fried Solet, compole Markel Solet. The Spirite Solet, with Solet of Variet, make Solet-ferrer, and Spirit of Solet, with Solet of Variet, make a true Common Solet and Spirit of Firritis, with Solet of Variet, make a true Common Solet and Spirit of Firritis, with Solet of Variet, and the Solet Spirit of Variet, solet Solet Spirit of Variet, solet Spirit Spiritis, which spirited with Violence Solet Spiritis Solet, compolet unabler Kind at Solit, called Solet Jahannessen, which are always which are always.

Therein and Triesen Solts, are called distiller; the Linear and Urriesen Solts, are called distiller; the Linear and Urriesen Solts, are called distiller; the solts of the Control of the

thus is for Business of Diplement accounts to: Diplement and Dissolverion.

Thus far will the mere Dockrine of Bhali and Acid.

Thus far will the mere Dockrine of the great Pharmonicas of Nature. But the Theory is made atilly more complete and adequate, by Sir Hace Newway Principle of Mirabilon, for which we refer the Reader to the Arriels.

Acin, Mensers went, See, where the Operation of Sulfs, or

dreatinn, now which we refer the Reader to the Arridae And Arriva, we prefine the Reader to the Arridae And Arriva, we prefine meet fluiditability becomed for The Principal Chymnol Statis of Ule in Medicine way. A state of Ule in Medicine way to the Arriva of States, and Arriva, of Engineery, of Engineering the Arrivant State of Engineering, of Engineering, of Engineering, of Engineering, of Engineering, of the Engineering and unforcept Statistics, which is the State Original Engineering and unforcept Statistics, which is the State Original Engineering and Engineering Statistics, which is the State Original Engineering Statistics, which is the State Original Engineering Statistics, which is not expected Distriction in the Citymological Communication, in Compactification in the Citymological Communication, in Compactification in the Citymological Communication, in Compactification in the Citymological Communication, and Anthropological Communication, in Compactification in the Citymological Communication, and Anthropological Communication, in Communication, and Engineering Communication and Communica Principles of Common Salt, Salt-perre, Viriol, &c. have their Figures unalterably fixed at their first Creation, and remotions on Comments and Suit-Parts, Particle, Such have an indivinities are one recent Perces. That of Commendate, be minimized to be a little Colley in the or Said of Resistance of the Colley in the or Said of Resistance of the College of the

## Manner of Making SEA-SALT.

This 50 is made of 50 Water, thickness by frequent Evoporations, and a length Crystalland. Of 26-85 th term from the control of the Control o

Bay Solé are those of Bretegue, Scientegge, and the Pays of Amini. The chief Sus-Work, in the two latter Flaces, are Brenge, Marris, and the Ille of Reb. Those in Bretegue are in the Bay of Borness, Gustransi, and Could's Fow Vibric-Sali is chiefly made on the Coasts of Namusely. In the Bay of Brennest alone, are computed above Teumy Thouland condicateds Soli Works.

#### Manner of Making BAY-SALT.

Low Marthy Grounds, difjolded by Nature for the Be-ception of the Seawaters when the Tule facility, and provided with Blast and Slicies to rotate the fines, an called a Sub-morph. The le Sub-morphe, the Bottoms where-of they are with a deal of Care, are divided into Event figurer. In the Batton, Jenne greater, when he let figurer the yither District, and the Sub-morphe of the Sea-ter of the Sub-morphe of the Sub-morphe of the Sea-ter of the Sub-morphe of the Sub-morphe of the Sea-ter of the Sub-morphe of the Sub-morphe of the Sub-stance, when the Seaton is at hand, they let in the Sea-ton of the Sub-morphe of the Sub-morphe of the Sub-stance, when the Sub-morphe of the Sub-morphe of the Sub-stance, and the Sub-morphe of the Sub-morphe of the Sub-stance of the Sub-morphe of the Sub-morphe of the Sub-stance of the Sub-morphe of the Sub-morphe of the Sub-stance of the Sub-morphe of the Sub-morphe of the Sub-morph of the Sub-morphe of the Subthe End of Angus; in which Time the Days being long, and the Sun's Rays stronges, the Sair is raifed and cry-stallized better than in any other Scason. E'er they let in

and the Surfa trys merger, the Shir is trained and expendent of the Surfa trys merger, the Shir is trained and the Ware, they take Circ the Bidson be well clastered or what shal been left in them during the Winner to kter, them in Order. The Ware is assumed to the Hinghlich and the Ware the Ware that the same come in lake-seam. The Ware admirted to the Circ that it may come in lake-seam. The Ware admirted Ware being the Ware I they leave it fornetimes in little Heaps, about the Edge of the Pit, to compleat the Drying; and at length in greater Heaps, containing feveral Thousand Muids, which they cover over with Straw, or Rushes, to secure them from

Eight, Ten, or at most Fifteen Days, having thus perfeeled the Crystallization of the Salt, they open the Sluices, when the Tide is rifing, for a fresh Stock of Water; and thus they continue alternately, taking in Water, and gathering the Sale, till the Season be over. Rainy Weather is very pernicious to the Work; for Rain Water, mixing in any Quantity with the Star Water, renders it ufclefs, so that new Water must be called in The Stafe is brown when taken out of the Pits, and is usually thus fold, without farther Preparation. Indeed in fome Places they make it into White-Selt by refining. They refine it by boiling it in large flat Caldrons, which not only takes away its Acrimony, but is found to increase the Quantity.

#### Method of Making White SEA-SALT.

The White-Salt of Narmondy is not made by refining the Bay-Salt, but has this Colour naturally when taken out of the Pits. To make it, they gather a moddy Sand on the Flats of the Shoar, which the riling Tule has covered and impregnated with its Waters for leven or eight Days. This Sand being removed into Pits for the covered and impegnated with its waters for levels of eight Days. This Sand heigh removed into Pits for the Purpole, discharges itself by degrees of all its Water, which filtrates through fome Straw wherewish the Bottom of the Pit is filled, and trickles into Vessels et on parpose to receive it. Of this Water it is that they make their Salt.

Their Furnaces are of Earth, and their Boilers of Lead: Their Yurakees are of Latta, and tour noners of second-lack Hamase boils four Leads. When the Vater where-with they have filled the Leads begins to boil, they take off the Skim, which arifes in abendance, and in Propor-tion as it diminishes, throw to fresh Vater, which they continue to skim, as before. When it rhickens, they keep it continued by litting, with a crooked Stick, or keep it continued by the Granis is formed, take it off the

Ladie, and when the Grill in formed, tale is of the The Bourging operators by being it than the large Dier Batter) a when it drain still it certain Humal-tic that the same it drain still it certain Humal-tic that the same is the same in the same in the White-Safe being as immedia Podit to Jonaco, though when to the King than to the follows and oblives: The energy of the same is the same in the same is the same at The English and Direct, had oblived the way on at Wa-ter and the same is the same in the same is the same with Francy the Green and Direct, that of Gain-dening from 20 to 15 Livest the Lord, That of Gain-

pende is preferred, by the Bigfift and high, to all the cell, as the belt and whiteh. Yet that of Sumonf, completioners and bearing, in molly acid in Promes, where the belt is the continuous control of the whole the control of the control of the control of the versa, it collects the control of the control of the Vernain from gaswang the Grain.

The English and Durch have of throw hard, in Times of War, to do without the Practh Sufrig and to that the control of the control of the control of the control of War, to do without the Practh Sufrig and to that

and Periogenes; but there is a difagrecable Sharpnels and Seroity natural to them, which renders them very unfit for the Salting of Flesh, Fish, Es. To remove this, they boil them with Ses-Water, and a little French Salt, which they procure by Means of Neutral Nations; which not only foftens them, but increases their Quantity by one Third. But it should seem their Refining does not fucceed to their Wifn, by the Eagerne's wherewith they return to the Salts of Bretagne, &c. affoon as any Treaty has opened the Commerce.

# FORSYLE, OF ROCK-SALT, call'd also SAL-GEMME.

The Foffic-Salt is called Sal-Gemme, from a certain Brightness it has, which gives it fome Resemblance to Gems. Indeed, it should have semething of the Geminits if there be nothing exaggerated in the Account Dr. Ed. Brown, (who went down into the Solt-Mines in Hungary) gives us thereof in his Travels. This Solt was Hongery gives us thereof in his Travels. This Soft was institively unknown to the Aucient. Why, however, gives et finite entition? Indiagna above Soft in Net. 18th. 18th 50-within we finished have remarked white, could we investigate the soft surferies with what well warranted. Relations we could get of the Soft Hongs of Willies in Polland; who which make a very confidented Nettle of Commerce in the Uffer Hungery, and thole in the Monathin of Leadents, which make a very confidented Nettle of Commerce in which make a very confidented Nettle of Commerce in veral Neighbouring Nations, who can't be conveniently Englished with Soc. fupplied with Sea-Salt.

# SALT-MINES of Poland, Hungary, &c.

The Polify-Mines, in the Village Wilifes, five Leagues from Gracon, were first discovered in 1251. Their Depth and Capacity are furprising. Within them is found a kind of fabretraneous Republick, which has its Polity, Law, Families, 5c. and eren publick Roads, and Cartiage, Horfes, 6c. being kept here to draw the Solit on the Cartiage, Horfes, 6c. triget, flories, e.e. oring kept the to that with how to the Month of the Quarry, where this taken up by En-gines. Their Horfes, when once they are down never fee the Light again is but the Men take frequent Occasions of breathing the Village Air. When a Traveller is ar-rived at the Bottom of this fittings Abyfi, where 60 miny rived at the Bottom of this strange Abyts, where it many People are intered alive, and where io many are even born, and have never fittered out, he is forgrared with a long Series of loftry Wants, futlanted by finge Platiers cut with the Chiffel, and which, being themselves Rock-Solt, appear, by the Light of Plambeaux which are in-ceffaulty barning, as for many Cryflati, or precious Stones, of various Colours, ceiting a Lultre, which the Liye has

of various Logouris, carring a Leutre, wanter see an emme also be the care at the loss in Form of loogs Cylinders, the Workmen using Hammers, Pinchers, and Chieders, the Workmen sing Hammers, Pinchers, and Chieders, the Workmen sing Hammers, the learner the everal Banks of Stone. Affoce as the marifive Pieces are got out of the Courry, they benefit them into Pragments in to be thrown into the Bill, where they are ground, in the thrown into the Bill, where they are ground, when the proposed of the Cours, they have a five and the strength of the course of th

all the Uses of Sea Sals.

all the Ules of See Sett.

In the Sish-Hims of Willifes, there are two Kinds of
Sel Genme; the one harder and more transparent, and
the Gythalization whereof appears more perfect than
that of the other: This is the real Sel-Genme of the
Druggilts and Dyrer. It cuts like Crytist, and is frequently uted for Toys, Chapelers, little Vetfels, 56; the
other is lefts compact, and only fit for Kirchen Ules. Obse of the chief Wonders of the Place is, that through thefe Mountains of Salt, and along the Middle of the Mine, there runs a Rivulet of fresh Water fufficient to supply the Inhabitat

the Inhantants. The Sale-Mines in the Upper Hungary are every whit as extraordinary. They are found in the Mountains, trow Miles from Epories. a City in the Country of Serves, on the River Harbs. The Dopth is 180 Pathoms. The Mineral runs in huge Voins, fo that Pieces are fornetimes dug not left than an Hundred Thouland Weight; which does not left than an Hundred Thouland Weight; which however, are afterwards reduced into Square Pieces two Foot long, and a Foot thick, for the Conveniency of drawing them out of the Mile. When out, they are broke farther, and put to the Mill to be ground. The Colour of the Stone is a little brownish, and yet when ground, becomes as white as if it had been refined. Some of the Stones ar

white at it had been refined. Some of the Stuces are tooled a lived to extraphenent as lyttle, loose White, some white, the contrast of the student and the student and the contrast of the co a Reproduction. There is no Doubt, however, but its vegetact, or grows incurrances M. Corractier, and the expectact, or grows incurrances M. Corractier, and the expectacy of th Green, Orange, Red, Eee but they all become white by grinding. These foar Kinds of Selts are found over each other in diffined Stratu or Beds. The Commerce hereof is very considerable. The English, Ec. when Commerce is prohibited with Faute, furnish themselves

hence.

Sal-Gemmæ is to be chofen in large, bright, transpa-rent Pieces, eafy to break, and dividing into little figuite Grains. It grows red-bot in the Fire, like Iroa, but diffelves easily in Air: Yet the Druggilts wash it, to give it the greater Lustre, but they take Care to wipe it dry again specifies.

# SALT drawn from Saline Fountains and Springs.

Our Method in England is thus. Near the Springs, or Flace of the Brine, is built a Sultern, or Beilinghoul, with a Conventence for the Conveyance of the Brine within it. The Armon is shally large enough and the state of the Conveyance of the Brine within it. The Armon is shally large enough ainfield with its Octet and Ferrance. The Brine being in the Pan, the Fire is kindled; and after Two Hoart Time, the Liquor beignin to be ready to granulate, which is known by a thin Skin rifting at the top; this they skim off isoo Brine Liquor beigning. sort be loft: And whereas all Brines contain, or yield Sand, which is forpoicd to petrify in boiling; and upon boiling this Sand, if the Liquor be before hard firstied, will arrie; and the Pan boiling violently in the Middle, the Sand is cast towards the Corners, where it falls to the Bottom of the Pan, before the Sais precipitates; there-fore, they rake it to one Corner of the Pan, with a broad Rake, and then take it out with Ladles, and put it into Wooden Veffels, open at one End, placed on Stands. The Sand being removed, that the Sals floating in the Liquor Sand being renörvel, mat the Salf Beating in his Linguer may precipitate, the first past the Verneblen, and Elox, and let the Fire go out, and in 'welve Hours' Time the Salf fills to the Beatin, and grows, hard a Lingue called the Bittern, remaining at '10p, which being again boiled away, yelds nore Salf.' I may the Salf fills to the boiled away, yelds nore Salf.' I may the Salf fill to the history in formation, and winders of the property of same Ber-Seive, and WineLere, of the Salf fill to the Salf fill the Salf fill to the Salf fill to the Salf fill the and patting an Onne of this Mixture on the End of a Slice, turn it round in the Liquor till it be frent; then after two Hoars, ar used; open the Vent-holes and Door, quicken the Fire, and lade away the Liquor in a good meafure, and to is the Saff found lying at the Boron, for the holes of the Saff to the lying the saff to the holes of the Saff to the lying the saff to the saff to the holes of the Saff to the Saff to the Saff to the Saff to the the saff to th medium, and to is the Adri found lying at the Boson, in to be removed. This now raded up to one Sildo, rathen not and pur into Cirko, or Soyeld, like Hayaraka, and the state of the Cirko of the Cirko or makes, that at Miller of the Cirko of the Cirko or makes, that at Miller of the Cirko of the Cirko or makes, that the Cirko will fill only the Cirko of t Salt from two numers and main to four consens of arms or more, according as the Liquor is in Strength. This Salt they functimes mould into the Form of Sugar Loaves, in which State it will keep dry without Fire.

and that for a long Time. At Naurosich, they bake the Loaves twice, or thrice, in an Oven, and keep them in a Stove, or the Chimney-corner.

# SALT from Brine raifed by the Sun.

In some Parts of Eugland, as at Limington, Port-see, Sc., they ale Water raised by the Sun, and then boiled, which they find preferrable to the natural Brines of Springs; they find preterrable to the natural Brines of Springs; those being always found either too weak, or too fitcog. To this End, they have feveral Ponds, or Cifferns, called Sun-Pends's, boilt with Med, and well exposed to the San, with little Channels, to correy the Erine from them all to a large Ballow Refervoir, called the Common-Sunall no large fluillow Reference, called the (Lummes-Ous-Pegon, not exceeding feven or eight lackes in Heighth. Here the Liques is left to mellow, from towher to twenty-four Hosts, or till the Liques will be are an Hero Lega new lard; and when it has attained a fufficient Strength, it is from thence derived by Chamela into the Cillican, where the Rain and San beered Red Worma, which cleans and parties and the complete which ripe not by Age, and it re-turned to the complete of the complete of the complete of the land of the complete of the complete of the complete of the determinant of the complete of the complete of the complete of the determinant of the complete of the complete of the complete of the determinant of the complete of the complete of the complete of the determinant of the complete of the complete of the complete of the determinant of the complete of

#### Properties of SALT.

The great Property of Safe is, what it is incapable of the property of Safe is, which it is incapable of infaced between the or they of the boliston thereof. It is a finished between the order to boliston thereof. It is a being interest free in Humadire, in very last of the property free of in Humadire, in very last property free the standard of Humadire, in very last property free Fertility to Lands, and promote the Profice of all fortilate, when as a Mark of these humanished between the standard of the and two opcomes and difforms the hardeft and most compact Minerals and Metals; and by a contrary Property compatts Liquid Bedies, as Milk, Blood, 55.
Some of its Spirits, mixed in a certain Proportion with Some of its Spirits, mixed in a certain Proportion with Water, proudes an excellive Heat, yet, when mixed in a field Quantity augment its Codens, as Sulf-parre in leid Quantity augment its Codens, as Sulf-parre in Water coly diffusely, of a certain Company of the Water Coly diffusely, of a certain Codens, when impregnated with any Sulf as much as it can bear, it will fill ill diffuse a Quantity of another Sulf, whose Particles are of different Figures, proper to infi-amount of the Water? Then, and the Codense Sulf will no longer difficher in it, Alam will, and alter Alams, Sulf-parre, then Sulf-ramanics, Cer.

# BAY-SALT, See the preceeding Article SALT.

SALT of Store TITRIOL OF MARS. Salt of Sicel,
Salt of Glafs,
Salt of Samur,
Salt of Tin,
Salt of Sulphur,
Salt of Tariar, Sascharum Saturni. Tin. Sulphur. VEGETABLE SALT, OF

TARTAR.

Sobiels Genera, CLAREAN.

SALT-PETERS, called allowing, and by the Capmille Bregon, Orderen, and Solit of Half, a Kind of Solit either manual or fielditums; of very great (16 beh in Chymin and Capmille of the Capmille of Capmille

5 A L about Agest, in Villages anciently repulsers, has now Declars. "Its altin found in force Place steep the Batch with the Batch and the Company of the Batch of the Company of the Batch of the Company of the Batch of the Place and the Batch and the Ba

the Nort in the sain.

All the Saft-petre we now have, M. Homberg observes, is drawn either from Earths montened, and nanared with the Exerciments of Animals, or from old Walls, and the Pailter of mind Bufdlings, which have been filled with fullphurous Matters as well from the Animals which

the Philite of mind Buildings, which have been fitted with fullyious Massers as off from the Animale which for the full prices and the prices of the full prices and the full prices are sufficiently as a politic of displayer into Natural and Pallitimes Subjective too Natural and Pallitimes Subjective too Natural and Pallitimes Subjective to the prices of the prices

and finett.

There are abundance of Chymical Preparations made
with Sale-perre, as Spirit of Nitre. See Naraez signes
Regulis, Super-perit, Cryptal-Mineral, Sub-perpeng, Butter of Nitre, &c. each of which see under its proper
Audich.

Arndet. The Philosophera generally allow the Air to be impreg-frenced by the property of the

before. See GUN-POWDER,

before. See Gous-Pownia.

All TileR, or Solders, in Hendely, ab Ordinary in Form of a Schotter's Continued to the Continued Co

of a befieged Place. Pearl a Soltier Ruby, the Coat of Lord Mexicajoids.

SALTNESS, the Quality of fonething impregnated with Solt.— The Sattraft of the Solt. Leker, See is a Thing that has long perplexed the Philotophers to account for. Some take it to be the Effect of the dry, adult, and even aliance Exhalations, which the San raites from the Earth, and the Winds, and Rains dicharge infrom the Eaths, and the Whitel, and Kaine cursuage or on the Sea. And hence, fay they, it is, that the Sea is found more bracklijk near the Sarface, than towards the Bortom. Others contend, that the Sun being continually extracting the pured and fabricist Pares from the Water; the coartie Parts remaining, being exalled and concocled by this Heat, acquire by little and little, their Digree of Sathneys, Others, as Father Bouthours, and their Degree of Salinefi. Others, as Father Boulours, will have it, That the Creator gave the Waters of the will have it. I hat the Creator gave the waters on the Ocean thic Selfutefi at the leginning, not only to prevent their Corruption, but also to enable them to bear greater Barthens. Berniers leems to be nearer the Matter, when he afterlibes the Salting! of the Ocean, to the Folike or Misseral Salts brought into it by the Rivers, and diffol-

the skirches for solutings or in the Ocean, to use a country to the country of the Country of the Service of th

"Morios compoido of Two Carrers, course, and Corporation, Manually, and Amily, and Offices, German Gorganic Manually, in Anaimyin, and Offices, German Garrer and Carledy of a Course Profes, with Lands and Woods, and who was to look to the Prof., the Presco, Efficiency of the North Confess of this Month of the Prof. Selfers being here under a Herritonian of the Prof. Selfers being here under a Herritonian Office when the Carrer of the Prof. Selfers being here under a Herritonian of the Prof. Selfers being here under a Herritonian Office when the Carrer of the Prof. Selfers being her under a Herritonian Office when the Carrer of the Prof. Selfers being her under the Prof. Selfers being the self-carrer of the Prof. Selfers being the prof. Selfers are the Prof. Selfers being the the Prof. Selfers being the the Prof. Selfers being the Prof.

SALTUS, in Law-Books, a high Wood.

Boscuss.

SALT/Z, or Sules, a Pickle made of Salt, diffolved by the Coldent's or Motifure of a Cellar.

SALVAGE-MONEY, is a Recompence allowed by the Statute and Civil Law, to fach Perfons as have af-field in faving Merchandiscs, Ships, &C., perfiling in Wreckt, or by Pyatets or Edemies, This utually was a Tench Part of the Value of the Things faved. See

Western State and State an appointed it to be general, occupion, O dulcis! O pia, &c.

6 A M.

SALVER, a fine Dailty, analyse Silver or other eich
Mextl, self other Galifact on the sew Wises and other
Liquent. The French call it Sout-couply, studency. The
Wises, with risk Couple of the Sout-coupley, studency. The
Wises, with risk Complement, Si are those force it.
SALUTATION, the Adlion or Occumpy of Saluring,
There is a great variety in the Permon of Southering
We plant God by Advantum, Frayers, St. Kings, by
by succercing the Real, including the Body, Sc. The
Obiestals by according the Evet, laying their Radis on
Mextl later the Longeror of Corneapy, or whom he theyes
a very luttle, when he admin him to kit his Morth,
deely, flated middenn of the Pray, GS. These
held by the Advanced Corneapy, or whom he theyes
a very luttle, when he admin him to kit his Morth,
deely, flated middenn of the Pray, GS. These
held by the Auciess, That the Status of Accommo, one
Inter that Louising very Altering is the Kiting. The
Decis condition in this, Thus the Strene being bellow,
included Air, it was drives on their a narrow Dold in
the Month. Thus making a goale Merman, which the
A Sea, they follow by a Dickings of Cannon, shich
in greater or helf, with Rad or window, according to the
with an old Namber of Ounce, Galifey with in a Mechal
of Saluridin that Councins allow from the Vice; which
delet allow in the Councins of Saluring is to
the Month of the Councins of Saluring in the
A Sea, they follow by a Dickings with in a Mechal
of Saluridin that Councins allo Saluring is not a
stream, Saluring with the Saluring is to
the Saluring in the Saluring to be blading in clear
The Applied of The Ways; eiters by budding in clear
in the Month, Saluring is no selected from the Reason's make to the Virgin's consisting the Fount
with the Midwey of the Institute Only these
with the Midwey of the Institute Onl

SAMARITANS, in ascerts feelt among the fewirs field abelithm in ome. Parts of the Jeann's under the fill abelithm in ome. Parts of the Jeann's under the fill abelithm in ome. Parts of the Jeann's under the fill abelithm in ome. Parts of the Jeann's under the formation of 1970 into 1980. The other fill are in the fill abelithm in the Jeann's fill and the Jeann's fill are in the Jeann's fill and the Jeann's fill and the Jeann's fill are in the Jeann's fill and the Jean

Two Premittenich, is also disputed by the modern ferricles. See Preservarueur. For its Number; the tin not very long, fince they presented to base Friefa defended directly from Anthemas. They were chiefly found at Ganes, Norghiff; (the ancient Stebury) Damagine, Gerin, Sec. They lad a Temple or Chapel on Mease Gerin, Sec. They lad a Temple or Chapel on Mease Gerin, see they performed their Startfines. Mighly Baddiger, being calculus to know their Ulages, were no ble to the contract of the Mease of the contract of the measurement of the Mease of the contract of the their contract of the Mease of the measurement of the Mease of the Mease of the Mease of the Measurement of the Mease of Mease o

Someriess of Egypt, and to the High Priest of the upde Sech, who redded at Nosphels. They returned Two Antwers to Stateger, dated in the Year 998 of the Higgs of Malsoners. These Answers never came to the Higgra of Mahamet. Scaliger. They are now in the French King's Library, and have been translated into Latest by Father Mores joury, and have been translature into Amar by Faster Zherry. Planty of the Ones, and prised in the Collection of C First, we calcal Eleman, San of Phinnas, San of Johns, A preferre they have no High Priett. In the Gened An perior who have no High Priett. In the Gened An perior, which is no the Name of the High Priett Eleman and the Springspure of Licona, they declare, That they delt in the Book of Enesting to me surrough them Hirring and Dones, but no the Nyangpure. They Add, That on the Night they don't be with their Wivers; That they consumed from the Preprint of Evelor, That they charine on where offe but no Mount Germäns y That they charine on where offe but no Mount Germäns y That they control the Preprint of Herrich, the Expirace, the Talemander, Ger. Blare add invive, That they were dofter. General and the Company of the C Gg. Lafey and offered, that new sever after. Exempose as the fyered op have been one Witt, and, in the, do unthing but what is communded in the Law: Warras as the fyered to passed by blanch the Law or fallow the Law of the contract of the they change their Habit to go to the Synagogue, and wash

Some risled by the Intelligent siter patting over firsteam. He add, That they are to the Timbe I Intelligent, and wash the site of the sit

Rule, they had doubtlefs used the New Character they brought with them from Baleylon: That there could be no other Reason but that or settling all Things on the so other Ration but that or leading all Tungs on the fame Foundation they were on below the Deliverglians of Tyrighten, that could have induced them to the their formation, that could have induced them to the their states of the their states of the their states of the were not firmed by the Souterroot, Plan their Leichen in Tyrighten. He is very full on all time Found, and, to the Found tensor from Metels, add they on others forming on the Found tensor from Metels, and the Tyrighten, with that littlewer Character's which was the fines with that of their their states of the their states of the their states of their states of the their states of the their states of the their states of their states of the their states of the tensor that their states of the their states of the their best of the their states of the their states of the their best of the their states of the their states of the their their states of the construction of the Metels, and which have, that we the their states of the their states of the their states of the states of the their states of the their states of the their states of the states of the their states of the their states of the their states of the states of the their states of the their states of the their states of the states of the their states of the states of the their states of the states o the Contominist which certain Letters have in that Cha-racter, that had deceived the Copits. From the whole, he concludes, That this Character of the Medds is the true ancient Hibrieve Character; and That to judge of the va-rious Readings of the Hibrieve Text, and the Difference of the ancient Greek and Letin Translations, either with themselves, or with the Hibrieve Text, Recourse must be had to this Character.

be bald to this Character.

SAMBUCUS, an ascient musical infirmment of the Wind Kind, and refembling a Kind of Flute, probably thus called because made of Elder, which the Latins call Seasiblent.—Semilacid was allo an arciter Engine of War, sted by Marcellus in befiging the City of Syracuje. Twas 16 big, that Pharmet, in the Life of that General, observers, Two Slins were required to carry contents.

SAMAN S ARTIS, an Earth brought from the Ille of Source, in the Agrows Sea. The left is called by Dephrating Geoffrence, because due to the Medicans of Dephrating Geoffrence, because due to the Medicans of Dephrating Geoffrence, because due to the Agrows Sea and 
and give it a greater Luffle.

SåMOSATEM, or Samofatenisst, a Seft of ancient
Astirtuitarians, thus called from their Leader, Paulas
Samofatenin, biffing of Anticob, under the Emperors
American and Probat. He renewed the Herefy of Artening Ameliara and Trelata. He reas wed the Here'sy of Ariconus, and had texted Scottmens in common with Subdillut, and had text and the text of the Ariconus of the Subdillut, plaining them. He owned, That the Father, Son, and Holy Choli were but one God, but denied that the Son and Holy Spirit had any real Subdillutes. According to the Chole of the Subdillutes and the Subdillutes are the Subdillutes. According to the Subdillutes and the Subdillutes are the Subdillutes and Subdil released with the constraints of the end of the constraints of the con

EMBNI.

SAN BENITTO. See Sacco Beneditis.

SANCHIECATION, the Action of Smallifyings or
making a Thing Holy, and Ignorate to God. See
Sacasto. The reference Divines define action of the Sacasto. The reference Divines define the control of the Sacasto. The reference Divines define research inventely, the Defines and Afficilious alleasted formulae World, and the Man part in a Courfe of dying to Sin, and Iring to Reference feed. The Confifting of the Sabeta, menuge the freez, in of Divine Right. By Smallifying the Sub-

bath, is meant, the spending it in Prayer, Praise, &c. not in worldly Coocerns. The first Petrson in the Lord's Prayer is, Hallowed, or sandling, be the Name: By which is meant, Let thy Name be ever accompanied with

which is means, Let thy Name be ver accompanied with Beffing and Postle.

Beffing and Postle.

Beffing and Postle.

The Amberity given to fone; judicial ACI; or that, wheely to becomes legal and current.

Postle Affent gives the Smallism of Statutes, to all Bills in Parliament into the American Smallism of Statutes, to all Bills in Parliament into the American Smallism of Statutes, to all Bills in Parliament into the Word is form of from the Latin Sec. Parliaments. The Word is form of from the Latin Theorem Smallism of the Smallism of t

Section 2. or shield.

BASSETT VITT GROWN FOR FRANKATION.

BASSETT VITT GROWN FOR FRANKATION.

BASSETT VITT GROWN SEC SACRET VITT.

BASSETT VITT.

BASSETT VITT GROWN SEC SACRET VITT.

BASSETT 
WEIGHT, SHERLE, &c.

sheek did not differ from the royal or profine Weights. See Wizzert's, Miller See Wizzert's Direction, an Inflicion on less privileged by the Prince for the Saleguard of Mont Lires, who were guilty of Cipital Grimes. See Arreans. Till Berry the Willia, all only the See Arreans. Till Berry the Willia, all other the Saleguard of Montal Control of the Saleguard of Montal Cipital Crimes. See Arreans. Till Berry the William of the Cipital Crimes, and the Saleguard of Trayson, Marcherer, Get is within Forty Days they acknowledged their Fault, and themired themsives to Banthment, and the Saleguard of the Saleguard of Trayson, and the Mortants Saleguard of Saleguard of Saleguard by King Abidipus, Arino golg und the Saleguard of the Mortants Saleguard of Saleguard

Altar is placed, incompatied with a Rail or Ballustrade.
See Canners.
Sanctium, Sanctororum, See Sanctium,
Sand, a fine, hard gravelly Earth, of great Uff in
Building, and many other Arts and Mannfactures, as in
the making of Glafs, in Flumbery, Foundery, 5%. There
are Three Kinds of Sands, dittinguished by the Places

Indicating, the timely own the some considerable. There are Three Kinds of Sanda, diffiningfulled by the Pitters where they are drawn a cet. File Sand, Kitter-Jonal, and Three Kinds of Sanda, diffiningfulled by the Pitter where they are drawn a cet. File Sand, Kiter-Jonal, and Three Lines of the Sanda and San

M. & le Ruinnes attributes all the Difference we find in Soils, to the different Quality of Souds mixed in Soils, to the different Quality of Souds mixed in them. Soff Souds, seconding to him, make a felig garde nearly sourchable Earls, Ear

# A TABLE of SANDS.

Sharp, or Rag Sand, composed of finall Transparent Pebbles, naturally found upon the Mountains, not Calcinable.



Soft or fmooth, flowe, with Mi- A Vein at Officell with flat Parti - cooffellitring Beacon, in Lincoln cles. Particles,



SANDAL, in Antiquity, a rich kind of Shoe or Wear for the Feet, made of Gold, Silk, or other precious Stuff, ufed by the Remon and Greek Ladies; conflitting of a ufel by the Romes and Greek Ledles; constitute of as fish, with a kiloso to me Externe to enshare the Andel-ski, with a kiloso to me Externe to enshare the Andel-wistant Standard (1994). The Market and the wistant Standard (1994) and the West and the statement of the Rotton of which Appellation has given datarrise, the Rotton of which Appellation has given power called Standardism, beared: chiefly inshired by Stated-Makers, wherein that God had a Temple; this work, with more Probability, drive the Niloso other, with more Probability, drive the Niloso other Niloso

Womens Sandali.
The Shos anciently wore by the Pope, Biftous, Pricits, Ufe, when they officiated, was also called Sandaly. Pricits, Ufe, when they officiated, was also called Sandaly being (such as was disposed to have been wore by St. and the Sandali of Biftone, That there was some Difference between the Sandali of Biftone, Worldow, and December 1997, 
Sounds is also a Shoe wore by feveral Congregations of reformed Monks. It confifts of no more than a mere Lea-shem Sole, father'd with Latches or Buckles, all the refi of the Foot being left bare: The Capuchins wear Samdais, the Recollects, Socks: The former are of Leather, the the Recollects, latter of Wood.

latter of Wood.

SANDARAC, in Natural Hitory, &c. Some divide
this &cadaracha into Natural and Fattitions: The
Natural is found in Gold, Silver, and Copper Mines,
and it he fame with the red Arfenics: The Fattitions is and only Cerufs excited by the Fire, and burnt into a kind of Minuol. Both the one and the other is a violent Poifon. See REALGAL, CERUSS, SC.

SANDARAC OF Sandarach, in Pharmacy, Red Ar-fuic, called also Realgal and Red Orgiment; 'tis ionic-times also called Santaracha Grecorum, in Opposition

figure the called Souterable Treasures, on Opposition on the Genn. An observable Treasures, on Opposition on the Genn. An observable the Constitution of the Constitut

which fee.

SAND-BAGS, in Fortification, are Bage bolding about a Cable Foot of Earth or Shad. They are used for rating Pangets in halter, or to repair what is inbarted own; alter at left of Use when the Ground is Rocky, and afficial not Earth to earty on their Approaches, because they can be callly brought on said off at Heutre. There are a lefter-Sare, which and failt when the former do, and which are placed upon the upper Talus of the Fazquer, to a cover hole who are behind, and now Fire through the control of the proper than the proper than the cover hole who are behind, and now Fire through the proper than the cover hole who are behind, and now Fire through the proper than the property of 
to ever thole who are behind, and who Fire through the Embratianes, or Intervals, that are between horm. SANDEVER, the Drofs of Glafs, or the Seum that after from the Alhes of the Herb Kell, ufed in the Making of Glafs. See Grass-SANDIX, a kind of Minism, or rather of red Matica SANDIX as the defined and making a field.

made of Ceruis calcined and rubshed, called also a Pačii-tion Sanderači. 'Tis of little Uto in Painting, the real Minimum or Vermilion, to which it is substituted, making

menum or vermitton, to work it is fabilitated, making a much better, brighter, and more durable Colour. See Marricor, and Viennition.

Marricor, and Viennition.

SAND/HEAT, or Soud-Bath, in Chymittry, one of the Chymitte Firey, conflicting of bor Sand, wherein Herbs, Flowers, 15c. are infined in a Country. See Enabled in the Country of the Chymitte Firey, conflicting of the Sand-Heat is effective General Sand-Heat is effective and alterative.

BALBRUM ARKNOWS ARE COMMERCED TO COLOR OF THE AREA OF

Alfo fee Broop and CHYLE. Allo tec BLOOD and CREVER.

SANCHIFLATION is thus effected. The Chyle having paffed the Lackeals of the feveral Kinds, is delivered into the Blond at the Subleavins, but here the two Hamousr pais together to the right Ventricle of the Heart, where being set more intrinsated mixed, they circulate together through the whole Body's 'till, after feveral Circulations and Departation are the feveral Colaurus and Strainform of the Feveral Colaurus an uses and Depurations at the teveral Colatures and Strain-ere of the Body, they become affirmiated, or, as the Chymits call it, colobotics, so as only to make one uni-form compound Mais, which appears to be nothing elfe but Chyle altered by the Artifice of Nature, and exalted into Blood. In Effect, it does not appear that any Thing extrancous is mixed with the circulating Liquor but Chyle, excepting what was before feparated from it for particuexcepting what was before feparated from it for particular Occasions, undefe perhaps it should receive fome Porti-one Air in the Langa, which is a Point long diffused, and yet fearce afcertained. Indeed, that there is a Quantity of Air mixed with the Blood and circulating with it, is granted; but whether this be any more than was at first comained in the Bodies whereof the Chyle was form'd, is much doubted: The principal Arguments for it, are. The much doubted: The principal Arguments for it, are, The Necessity of Respiration, and the florid Colour the Blood receives in the Lungs, and first shows itself in the Pulmonary Vein; but the first is satisfactorily accounted for another Way. See RESPIRATION. The latter is chiefly supported by this Experiment, That Blood drawn by Venical period by this Experiment, I hat Blood drawn by veni-fiction, and fuffered to coagulate, upon turning up the Betton, which before was blacklift, being now exposed to the Air, acquires a florid Colour, like that we observe in the Blood of the Pulmorary Vein. The Action of Supportation is faceceded by that of Natrition. See NUTRITION.

The Anticots were in great Perplexity about the Stat of Sangungaction, or the Place where, and the Instrument whereby it is elicified in Whether in the Heart, or the Liver, or the Longe, But, according to the Dockrine of the Moderns, the Heart, Lever, Velfit, 5E. coerribute when the Moderns, the Heart, Lever, Velfit, 5E. coerribute when the Moderns with the Moderns of the Chapter into Bloody and the Moderns of the Moderns

chan the Sun does to the changing of the Mott into Wine. See Heart, Luva, & Cara, & Ca very Notion is now exploded.

Of Songuitzation we may admit two Degrees; the first amounting to no more than a Confusion, or such an intimate Mixture of Parts, as suffices so to confound the different coloured Liquors, as that the Whiteness of the Cayle shall be lost or drowned in the Redness of the Blood, so as never more to appear in its own Shape and Colour. This we suppose may be effected by repeated Circulations alone: How many Circulations are necessary

Girculations alone: How many Circulations are needfury theretor, is difficult to determine. The Stood Diegree of Sanguigiarins, is, when the Parts of the Chyle are fo evalued or communicated and lish tillined, as to lote all Tendency to a congulatory Seng-ation, fact as they have in Chyle and Milk. To their was Degrees may be added a third, wherein the Fibres and Filaments of the code Blood are for broken and blended with the Gram, as nor so be again inertable from them. This is a Mobil's Sungiquentin, for her form them. This is a Mobil's Sungiquentin, for her happens in Fevers, &c. attended with a bloody Sweat; , E.c.

all their Degrees of Songuigation. D. These makes no doubt are possessed by restranced Circulations, where is a well the Inelline, as the Progreetine Mosting, control of the Progreeting of the Progreeting of the Progreeting of the Proceedings of the Whole of the Proceedings of t

SANOUINE, in Heraldry, the Colour ufaully called Marry, being made of Lake, with a little Spanigh Brown: It is represented in Engraving, by Hacchee like Purpure; It is mostly used in the Coast of Knights of the Bath's when it is borne by Nobles, it is called Springry, and in the Coast. 6. Coats of Sovereign Princes they call it Dragous-

Yell.

Yell.

Yell SCHOKESTONE, Lefti Seguinali, or Blades, Some a kind of Lifer brought from New-Yesin, of a dark brown Color, marked with Spots of a Blood red; he Leftien cat it in Form of a Heats, and de it in Hemorrinagies, immoderare Menles, and other Flaxes of Blood. The Patient applies it by grafting it in his Right Hand, having first dapt it in Warer Tis his Right Hand, having first dapt it in Warer Tis continue also hang on the Flax where the Blood flows.

the Pleurify without bleeding; and that it diffolves the Score in the Bladder, by taking it in Vehicles proper for those Differeds. To be good, 'its to be extremely hard and difficult to pulverize. SANGUIS-DRACONIS, in Phatmacy. See DRA-

consellation.

\*\*SANKERINK, of Syméries, mosse pitch Ancient from ANAIKERINK, of Syméries, mosse patch Ancient from ANAIKERINK, of Syméries, mosses patch and the Syméries and Anaikerink, and the grant Affairs and Anaikerink, and the single Affairs, and Anaikerink, and the shalled a strice in termination, from Mofre to Effects to Edited the Anaiker internations, from Mofre to Effects and the state of the Anaikerink, and that a liabilited, written internations, from Mofre to Effects, and this one hold after in Devils a goldeng. That we calculated by Aging, Monte, Ceff. as was Temperary, and this one hold after in Devils a goldeng. That we conclude the Anaiker of Aging and Anaiker and M. le Clere attacks them. Be the Origine and Establish-ment of the Sanbearin how it will, 'tis certain it was fubmens of the detacheris how it will, 'ti's certain it was feld a fulling in the Tune of our Subvoyer, int it was held at John Million in the Tune of our Subvoyer, int it was held at John Million in the Tune that the subvoyer of the Affairs belonged to it. The Predictor of this Affairsh Affairsh belonged to it. The Predictor of this Affairsh was called Adyl. There were Feveral intellect some interference in Prediction, all depending on the Great Statechis in a Proprietion. The intellection Subvision considered and Form. Some fay, Tatt to have a Right to held it Statechis in the Tune of the Tourny fossibitates in the Fisco. Where the Inhabitana came florer of the Number of Use Handerd and Teenty, came florer of the Vanderd and Teenty, and the Carlotte of the Car

of those who acquitted. Selden has a very Learned Work on the Subject of the Jewift Sanhedrins, de Synedriis, Printed at London in 1635, in three Volumes Suerro, The Word is derived from the Greek Envidence a Council, Affembly, or Company of People fitting together, from aly can together, and legs Seat,

pre utering together, from sor cut together, and lives Seat.

\$180, 1 place.

beavy, oderaferous, medicinal Wood, brought from the Engl-Julies. There are of there different Colours, Girson, White, and Red. The Trees whence they are raken are all of the fame Kind 4 and "its lipspofed their different Colours only arife from the Difference of Climates where they grow. "I'm about the Height of the Zurughass Walaun-tree. Its Leaves refemble these of the Zurughass. Walmarene. In Leaver refemble these of the Lamina, in Floors Black, bodering on Black; in Feul of the flice of our Cherry, green art first, but blackening as it ripers, and of a line Table. The Circumo Sound's telemon prices, and of a line Table. The Circumo Sound's telemon prices, and of a line of the laminary country, and of a good Souther, to said on Medicatic, as all only the Performent. The Price Sound's is fair old riferon, a via throught from the Ille of J'iner. The Rec'hand last feel is Soudi of the Tree; 'This bought from the Ille of the Sound's left from the Charles of the Sound's the Tree of the Sound's the Charles of the Sound's the Charles of th

dd. The Annual are fall held to be a livel Attronger, to tranghen the farm and prima, not to the Youtnings, and medicard Alex, gental Sordwards Complision, and medicard Alex, gental Sordwards Complision, and the opportunities of the Council at the Form of a Wall, 425, no days of the Private Alex, gental and the Council at the Form of a Wall, 425, no days of the Council at the Form of a Wall, 425, no days of the Council at the Form of a Wall, 425, no days of the Council at the Form of a Wall, 425, no days of the Council at the Sec SAPPIN

Way. See Sappino.

SAPHEN-A, in Anatomy, a Vein which arifing over
the Malleday Internst, up along the Leg, and the inner
Part of the Thipb, difcharges it felf, near the Groin,
into the Crard Vein. "The the Vein they digally open
when they bleed in the Foot. It has its Name, probably,
from easy manifolius, at lying plain in Sight.

SAPHETA, in Anchitecture, is the Board over the Top of a Window, placed parallel and opposite to the Top of a Window, placed parallel and opposite to the SAPHICE, in Potrey, a kind of Verfe much used by the Grenks, and Latins's denominated from the Investress Sophy, The Saphy Verfecondition of leven Syllabies, or Five Feet, whereof the First, Fourth, and Faiths, are Trochees, the Social of Spounder, each the Third a Dathy, as

#### Integer Vita Scelerifg; purus,

. Three Verfes of this Kind, closed with an Adonick Verfe, conditting of a Dactyl and Spondee, utually make a Strophe. Though we have fome Chorus's in the Anci-Verte, comming a group of those Chorus's in the Ancient Tragic Poets, containing a much greater Number of Saphitics ducceffively. They generally run rough, unlefs they have a Castar after the Second Foot.

they have a Culture after the Second Foor.

SAPIEN-VIAL, an Expirite applied to certain Books
of Scripture, 'calculated for our indirection and Improvecentral control of the Control of Scripture, 'calculated for the Indiana,' the script,'
Control dilutelities to Highest Accounts, Excliding the Control dilutelities to Highest Accounts, Exclinations the Explaination of Phylinia, and July though four scripture of the Indianation 
SAPIRATIR DENTES, Tech, that called Iscands appeared they specare out liferions are grown. See Taxm.

SAPPHIRR, or Stylen, a pericon Stone of a beautiful status, we only show the colour. The stylen's a templature, a factor of the colour. The stylen's transparent, produced the colour continue different Kindt thereof, but being clienced Molts, and the whitelt Footstan. The Stylen of Payes are the noti ellerath Footstan. The Stylen of Payes are the noti ellerath Footstan There are some allowed to footstand the stylent of Calent, Camour, and Cyfon; from which lift Hate we hould be furnished with submaders, if the Kingdom of the boulded for mittel with submaders, if the Kingdom of the stylent reigner. The foll Huter. Subbits of Bishmain and Sliffie are of finan Account, though the inferitor to the Christian are of finan Account, though the inferitor to the Christian ones. Many People value the Suphir leyend the Ruby and pive it the found Flue among personal Stenes, each shat next the Diamond i Othern give that Place to the Ruby. Some Authorn siftim, That a Suphir being heated to a certim Depres, between two Cascible lated uppeller, lot all its Color, as the December periodic late of the Christian and the periodic per

and make it spaf for a Diamond.

The Chymilis make leveral Persparations of Supplier's as a birl, a Tischur, an Efferer, a Water, an Ool, g.S., as a birl, a Tischur, an Efferer, a Water, an Ool, g.S., and a birl owner by Remedies composed thereof. The Superitistion attribute fill more tirange Variette to it; a st, that it grows foal, and looks in Beauty, when none by a Major's Red, and the Tables he received on Mount Similar word of Supplier's The Word it adrived hence, that in the Habowe the fined Things are all called Supplier's Growth of the Control of

in the Alforese ties meat a tungs are an a conce opposing in the alforest ties the transport of God is fail to reclude a Oppin; whe Transport God is fail to reclude a Oppin; whe Transport God is fail to reclude a Oppin; which is the other blackful. Oppin to the other blackful and the other blackful and the other blackful and the other blackful and the other ties of the other blackful and the other transport of 
emfelves as well as they can, from the Fire of the op-

points Batton.

SARABAT, a Name asciently given to vagabood
SARABAT, a Name asciently given to vagabood
Sarabat, a Section of the Sarabate in the First Chapter of his Wole. Coffiso does not giezk a whit more favourably of them in his Fourteenth Conference in the Service of the Sarabate Sara

the state of the s

Guitarré, or Caltiaucteriolik, a keen, bitter Irony, where-by the Crazor Footh and infulte his Adverfary. Such was intat of the freez to our Saviour: Then eithe defreyel the Temples, and rateful in a three Days, face the felt gold, and again, He food others, himself be causes force. Or chart of Tomas to a Veryou like by bit in a Virgin.

En agros, & quam bello, Trojane, petifii Hesperiam metere jaceus. Hac pramia qui me Ferro auß temore ferunt : Sie Mania condunt.

SARCOCELE, in Medicine, a flefhy Excreficine, very hard, yet indolent; rifing up by little and little about the Telticle, or on the inner Membrane of the Straum. Sometimes indeed it is painful, in which Cafe there is Danger of its degenerating into a Cancer a It afinally owes its Origine to fome external Caufe, as a Blow, a Bruife, or Contufion. Such Accidents occasion the nutritious

Danger of its degenerating into a Gancer , it sufully over in Origine to four external Card, as a Bloss, a Burdier, in Comparing the Comparing Card of the Card of

gona, without any Deflucion, or Diffuring of Humoner from other Parts. If the Fields has not reprift and kept under, if frequently produces Fires like Vigin and Arteries, whereby it receives Nouriflment, as we fee in Wess. It yields a very ferid Sanies, and artise shiely about the Fundament, the Neck of the Wemb, Fractures of the Creation, 18°. The Latini call it Fluorga-or of the Creation of the Parts of the Creation of the SARKOOMPHALUM, in Medicine, 6°c. a fields Exch-terior of the Navel, from the Grozk edg Fields, and Arthur Medicine. Secretions in Association of the Navel of the Arthur Deflucion of the Parts of the Navel of the

and descade Navele. So replacement in Antiquity as SMACOPHAGON to the Anoma that it would be also as a mind to beam. The Word, derived from the Grey Lad sea a mind to beam. The Word, derived from the Grey, the lateral plantless are that can Field, because at first, they glob at Source of Stonet for the makings of Tombo, where they depend on meet in a City of Trans, named affiliar. They had the Virtue to waite away a Body to reference as Reddill Pomero Stones, and had a faithful Talley they made Verfiled of it to cause the Goss, into this they made to Peres, so differing them to consi-

SARCOTICKS, in Medicine, Remedies proper to fill up Wounds and Ulcers with new Flesh; the same

as Incornatives. Servericks should be deterfive and moderately hot. Such are Serverilla, Diregar's Bleed, Incomps, Sec. The Word is form'd from the Greek susp.

Fleth.

SARDOIN, or Serdanian-Stone, à preciou Stone of a Blood Colour, half transparent; the fame with what we otherwise call a Cernelius. See Constallan. The most beautiful Serdeius, are those brought from about Balyslaw: Those of Serdinia, whence the tasks then Name, are in the second Clair. There are others, and those second Clair. Name, are is the fectord Clafe. There are nature and those no concemptable core, found near of, "Momer in Bossuss", and other, very final ones, shour the Rhom; in Bossuss', and other, very final ones, shour the Rhom; in Bossuss', Bosself, Ed. To Give them the greater Linier, I'm called in fetting them, to lay Silver-Leaf underreath. The Sordier is most utiled for Scale, as graving cashly, yet taking a fine Feldila. The Author of the Book stately taking a fine Feldila. The Author of the Book stately fall Virtues afford Mognay arrobusts ferral wooder.

SAROUNIAN LAUCHTER. See Rives Sordienten.

SARDONYX, a precious Stone, partaking partly of the Sardoin, and partly of the Agate or Onyse. "Tis red-difh, bordering on White, like the Nail of the Hand. dish, bordering on White, like the Nail of the Hand, In some, the Red inclines to a Yellow. This brought from the East Indies, Arabie, and Bekemin. It was ancendly used a Red for the Vessel. See AGATE and SARDOIN.
SARPLAR OF WOOL, otherwise called a Pocket is half a Sack. See Sack. In Scotland, it is called Structure.

SARRASIN, in Fortufication, is a Kind of Portcullice, otherwife called an Herfe, which is hung with a Cord over the Gate of a Town, or Fortrefs, and let fall in

orberwise called an Herfe, which is hung with a Coralover the Gue of a Town, or Pertues, and let fall in over the Gue of a Town, or Pertues, and let fall in SARAPARILLA, or Sulppratile, a Medicinal Flant, growing in New John, Town, and the Eph Index. In Didata, being elitemed a guest Observat and Swetterst and, on this Socie, furnisme stud at Tex. 1 is Root, on the Socie, or the Phase of Filmman, Sax or Seets Pool long, of the Thisbards of a Qualit. The Gray without Side, and the Phase of Filmman, Sax or Seets Pool long, of the Thisbards of A. Qualit. The Gray without Side, and the Phase of Filmman, Sax or Seets Pool long, of the Thisbards of A. Qualit. The Gray without Side, and Banches energy on the Earth, or along the Technic Banches energy on the Earth, or along the Technic Banches energy on the Earth, or along the Technic Banches energy on the Earth, or along the Technical Control of the Control of th

SASAFRAS or Stroffers, a Yellow odoriferous Wood, of a brisk aromatic Scent, fomewhat refunbling Fencel. 'Tis the Wood of a Tree growing in whetevof there are whole Forefis. The Natives Wood, of a brisk stomatic Scent, femewhat refer-bing French. This the Wood of a Tire growing in the Wood of a Tire growing in a cell in Figurata, the Quantum and French do, Gamman dellar descards, at the Comparel, of the Courset, under the Course of the Courset, of the Courset, which the the Course of the Courset, of the Courset, which the the Course of the Courset, the Courset, which the the Course of the Course of the Courset, which the the Course of the Course of the Course of the day, was formatly field as an investible Free, to be used to find the Course of the Course of the Course of the formation of the Course of the with most Course of the Course of the Course of the the Course of the Course of the Course of the Course of the theory of the Course of the Course of the Course of the with most Course of the Course of the Course of the Course of the theory of the Course of the Course of the Course of the theory of the Course of the Course of the Course of the Course of the theory of the Course of the Course of the Course of the Course of the theory of the Course of the Course of the Course of the Course of the theory of the Course of the Course of the Course of the Course of the theory of the Course of the Course of the Course of the Course of the theory of the Course of the Course of the Course of the Course of the theory of the Course of the Cou

Smell,

SASSE, in fome of our Statutes, is a Kind of Wear
with Plood-gates, commonly in Navigable Rivers for
the damning and losting the Stream of Water, as
Cecusion requires, for the better pating of Boats and
Cecusion requires, for the better pating of Boats and
Cecusion requires, for the better pating of Boats and
Cecusion requires, for the better pating of Boats and
Cecusion requires, for the wild of Defined, is
Cecusion to the Cecusion of Cecusion of Cecusion Cecusion

The Cecusion of Cecusion Cecusion Cecusion

The Cecusion Cecusion Cecusion Cecusion

The Cecusion Cecusion Cecusion Cecusion

The Cecusion Cecusion Cecusion Cecusion Cecusion

The Cecusion Cecusion Cecusion Cecusion Cecusion

The Cecusion Cecusion Cecusion Cecusion Cecusion Cecusion

The Cecusion Cecusion Cecusion Cecusion Cecusion Cecusion Cecusion

The Cecusion Cecu

SATELLIT Guard, a Perfon attending on another, either for his Salety, or to be ready to execute her l'etaire. Among the Engline Emperos, Sueditie experió di the Dignity or Office of Capain of the Life-Guard. The Ferm was afterwards used for the Vatilis of Lords, and afterwards for fuch as held Fees, called Experis: Which fee.

SATELLITES, in Altronomy, certain fecundary Planets, moving round the other Planets, as the Afron does round the Earth; thus called, because always found at-

SALILLIAN, in Altrocomy, certain fecunity Carsalitation, in the control of the control of the control of the Carlo is the control of the Carlo in 
As Asimon and March (1997) and Asimon (1997) and

Phenomena, Nature, Properties, &c. of Jupiter's

1º. The Steellites of Jupiter all difuppear in a clear Sir, when Jupiter interpols between them and the San, that it, are civiple by ann.
10. The define of Light, when the San's Rays, which are pengagard in right Lines, are interpreted by Jupiter a do Bene it follows.
That they are epayue Bodies like our Mone, and are illumited by the San. And hence, from Fourther San's Rays, which is suited by the San's Rays and the limited by the San's And hence, from Fourther San's Rays like the San's Rays are limited by the San's And hence, from Fourther San's Rays and the San's Rays are limited by the San's Rays and the San's Rays are limited by the San's Rays and the San's Rays are limited by the San's Rays and Rays are limited by the San's Rays are limited

Light.

2. When the Satellites are interpoled between Jupiter

2. When the Satellites are interpoled between Jupiter

3. And the Sun, a round Macula or Spot is observed in Jupiter's Disk; which is sometimes found bigger even than the Satellite it clif.

Same sho Swellites are opaque Bodies, and are

the Smellet it (ell.

Hence, fince the Smellites are opaque Bodies, and are illumined by the Sun, and must therefore project as Shadow, oppolite to the San, the round Spots feen in 'Justice,' are the Shadows of the Satellites. Hence also, fince the Interfection of the Shadow is a Circle, the Shadow it ell' is Connal: And hence it follows, That the Figure of the Smellet, at leaft, as to Senfe, is

Spherical.

3º. If, when the Earth is between Jupiter and the Sun, any of the Sutellitet happen to be between the fame, its Light disppears, and is loft in Jupiter's Light. Thus M. Marshi tells us, That on the 26th of March 1:07, thro' a Telefcope of Thirty Foar Foot, he observed the

Fourth of Spinor's Moons againg even his Body in Stams that Spinor's Moons againg even his Body in Stams that the Spin has been dead to the Spinor has been returned to shall Brightness. A like Spor he observed on the good of Jeffri, from an Immersion of the first Spinor, been dead to the standard of the shall be spinor working an Immersion of the first Spinor, because the same reason was also observed at other Tunes by M. Ceffino' And both Capiller and Merchall, have frequently jobieved very largering Canages in the apparent Magnisheds of the Spinor, and the Spinor Magnished Spinor Spinor Magnished Spinor Magnished as the Spinor Magnished Spino Diffance, either from Earth, the Sun, or Jupiure, to oc-casion luch Variations. E gr. The fourth Setellit, which is trequently the least of all, fonetimes appears the biggest: And the third, which is ordinarily the biggest, fonetimes only appears equal, and ionetimes less, than of the reli-

Heore, fince Jupiter's Satellites are illumined by the Sun, even when immerged in the Light of Jupiter, and yer, norwithilanding this, femerimes appear dark, and functimes disappear; there must be some Changes in their Atmospheres, to prevent the equable Reflection of the Sun's Rays, from the feveral Parts of the Atmosphere. To the fame Cause its owing that their Shadows are longering fee a bigger than themselves.

# Periodical Times of the SATELLITES of Jupiter,

The Periods, or Revolutions of the Setellites, are found from their Conjunctions with Papiere, after the fame Manner as those of the primary Planets are found from their Oppositions to the Sun. See Pranton, Ed., Nove, By this Method Coffeel determined the Periods of

The First Satellir 1 Day 18 Hours 28 Min. 26 Sec. Second Sarellit 3 13 18 Third Swellin Third Swellit 1 59 95

Diffances of Jupiter's SATELLITES from Jupiter.

As in the primary Planets, with regard to the Sun, fo in the Stellites, with regard to their Primatries the Squares of the Periodical Times, are in a Triplicate Ratio of their Dillaness therefrom. To determine the Dillaness the Observation, they measure them with a Micrometer, in Semi-Damneters of Spitter. These Dillanets, exceeding to Caffesi, are as follow.

The First Satellit distant from Jupiter's Center,
5 and two 3ds. Semi-diam.
The Second Satellit 9 Semi-diam.

The Second Satellis The Third Satellis The Fourth Satellis 14 25 and one 3d.

Hence, as the Semi-diameter of Japiter is equal to 27 8 11th Semi-diameters of the Earth, the Diffused of the first Satellit from the Course of Saturn is 166 Semi-diameters of the Earth: That of the fecond 249 and a Half. That of the third \$883 and that of the fourth 884-

and a Hald. That of the third \$383 and that of the find \$100,000 of the Control \$1,000 o

The Periodical Times of the SATELLITES of Saturn, ac-cording to M. Caffini, are as follow.

#### That of the

| irft Satellis  | 7 Day | 2 f Hours | 18 Mín. | 31 Seconde |
|----------------|-------|-----------|---------|------------|
| econd Satellit | 2 ′   | 17        | 41      | 27         |
| hird Satellit  | 4     | 13        | 47      | 16         |
| nurth Satellit | 15    | 22        | 41      | 11         |
| ifth Satellit  | 74    | 7         | 53      | 57         |

The Diffances of Saturn's SATELLITES from his Centre, according to the fame M. Cassini, ore as tellow.

First Satellit Second Satellit Third Satellit ourth Satellit 18 Fifth Smellit 54

The great Diffance between the fourth and fifth Sorel-The great Distance detected to forth and ann Addi-ling gave Octation to Huggers to laffect that there might be from entermediate one; or eller, that the fifth might bare force other Satelli moving round it, as its Centre, Dr. Helley, in the Philosphical Temfallicus, gives us a Cerrection of the Theory of the Motion of the fourth a Correction of the Theory of the Motion of the fourth or Huygeness Satellit. Its true Period be makes 15 Days, 22 Hours, 41 Microtte, 6 Seconda Its diurnal Motion, 22° 34' 18" 18". Its Diffiance from the Centre of Su-rurs, 4 Dann of the King; and its Orbit to be little or mining diffiant from that of the Ring, interfelting the Or-

bit of Samus under an Angle of 23 & Degrees, SATIR, See SATYR. SATIR. See SATYR.

hief Somes under an Angle of 3 g Degree.

SCITIE. See Savra. Antiquity, the Governor SCITIE. See Savra.

SATRAPA, or Samples, in Antiquity, the Governor Antiquity, the Governor of the Control of the Control of Savra. Antiquity, the Governor of the Control of Savray. The Winglow was divided us to dispute, or Jurisdiction of Savray. The West northern of the Control of Savray. The West northern of the Savray 
hions of Satting are made by adding new Warps of

Woots
The finest Sattins are those of Florence and Genoa;
yet, the French will not allow those of Lyons any thing interior thereto. — The Sattins of Bruges have their Warp of Silk, and their Woof of Thread. Instan Sattins, or Sattins of China, are Silken Stuffs, much like those manufactured in Europe. Of these, some are plain, either white, or of other Colours, others worked, either with Gold, or Silk, flowered, damasked, striped, &c. They 1900, or alls, Howeved, Galmarked, triped, Ee. They are moftly stated, because for their Cleaning, and Bleaching eafily, without loting any thing of their Luttre. In other Respects they are inferior to those of Europe, F. le Couppe observes, That the Ching's prepare their Station in Oil, to give them the greater Luttre; but sattust in Usl, to give them the greater Luffre; but this makes the Dall liable rahang to them. Altenge de-tries the Word From the Latin Sets, as who should by, Setiman, or from the Felderw Sadin, fignifying the time thing; or from the old Franch Sade and Sadinst,

same tung; or from the old French Sade and Sadinst, handlene, gentle.

SATTINET, or SATTINADE, a very flight, thin Sumin, chiefly ufed by the Ladles for Summer Night-gona, &c. and ordinarily flriped. The Word is a Di-munitye of Satten.

manure of Satten.

SATURANTIA, is fometimes used in the same
Sense as Absorbent: Which see.

SATURADAY-STOP, a Space of Time, in which of
old it was not lawful to take Satmons, in the North,
see. From Eventong on Saturday, till Sun-rising on

being the first from the farth, and the Sun, and that being the further from the farth, and the Sun, and that whole Medicine is the flower! Thus characteried b. It share but with a feeled Light, by reafto of its Diffunc, on which Account, though the biggett of all the Planets, the principle of the state 
in he creolyes round the Sau, which makes his Year, kurding in Keffer, in 29 Years, 1942, 1849, 1849, 1849, 1859,

DIFFACE. Its fimillest Diameter, according to Haygers, it is to Seconda. The Properties of its Danuere to that of the Earth, as no to it of its Sarkies to that of the Carth, as no to it of its Sarkies to that of the Earth, as no to it of its Solidity to that of the Earth, as no to the Carthy of the Solidies Sarkies of the Carthy of the Solidies Sarkies That he has found Sartiny to have a flower Medico than its sligged burn in the Tables; This Irregularry, we may be produced by the Carthy of the Carthy

berg, it shuthardly reftlified in his own Tables root in few Pett. Tie obligated whether on a Dorm, his the few Pett. Tie obligated whether on a Dorm, his the few may Adrenomical Obferration that he does; and few may Adrenomical Obferration that he does; and the pettern of the pettern of the pettern of the pettern pettern Damerer grazer can have feet forth, rechning Laguarden Damerer grazer can have feet forth, rechning The Dillasse of Astrony from the San being sen inner agree in that not follow fairs from the Root, as found, and the pettern of the pettern will not receed a Manner, which shad in the more than will not receed a Manner, which shad in the more than will not receed a Manner, which shad little the dis-duction of the pettern of the pettern of the pettern distant date to us, and both in Light and Hert be di-finitely in the time Properties. See Sun de trans-diancy, and long pepters of the Allowancers, who could write the thin and the perfect of the Allowancers, who could be the could be perfected the Allowancers, who could be perfected the Allowancers, who could be perfected the Allowancers, who could be perfected by the perfect of the Allowancers, who could be perfected by the perfect of the Allowancers, who could be perfected by the perfect of the Allowancers, who could be perfected by the perfect of the Allowancers, who could be perfected by the perfect of the Petters of the Allowancers, who could be perfected by the perfect of the Petters of the Pett

Phases.
One Thing Statem has peculiar to himfel', vie. A Rung which furrounds his middle like an Arch, or like the Horizon of a Globe, without touching him any where the Horizon of the Horizon of the Horizon of the Horizon. the Diameter thereof more than double that of the Place the Diameter mercot more than droble that or the France which it furturals; The interpretabilities 45 Diameters of the Earth, the latter only 20. When raited enough to be out of the Sandow of the Body of Saturn, it reflects the Light of the San very flooply. The Thickeeff of the Ring, Dr. Keill observes, takes up one half of the of the Ring, Dr. Källi obforves, takes up one half of the Sque between its outer of contex Surkes, and the Sur-Sque between its outer of contex Surkes, and the Sur-cepaque, folid, but finoch, and even Bedy. "Usus Guilles firth different cluster fragment was not remot.] But two Higgers first found that its Inequality littled in 1859, in his Sgivens Statzminson. "Visi doubted whether or no the Ring evolves round the Hanest In Ule and Deling are full a Whytery. For its Photo-line of the Ring are with a Whytery. For its Photomena, &c. fee Ring.

mena, ffe. fee Rivoc.

Karnu performs his Gourle round the Sun, attended
with five Strellite; or Secondary Planetts, the Perioda, DiKarnu performs his Gourle of Secondary Planetts, the ConSecondary Computing, fignified Local, in expend that
Metal is fopposed to lie immediately under the Influence of this Planet. See Lanay White the Sereal Preparations thereof are deferified to Planette for Servers, in Beralder, the Black Colour in the Coatt
of Armsof Soversing Princes: and Serving to Diamond
for the Coatter of Computing Control of the Coatter

of Armsof Soversing Princes: and Serving to Diamond
for the Coatter of Coatter of the Coatter

of Armsof Soversing Princes: and Serving to Diamond
for the Coatter of Coatter of the Coatter of Coatter o

in the Coast of Noblemen; and Solds in tode of Generate, See Sallas, Antiquity Linds to developed among a Sal'URA Midd, a hardwight Linds to developed among the Barbard and the Coast Screen: They had the three Days, beginning on the right, observed Transp the Soltens were proud Sulfars; by she year, allowed the property of the Sallas Sa were now of Actigon in it to eggs. Bly Walf, of were nor only leid at Rome, but all in Grores; and were, in raility, much older than Rome it fell. Some after their Initiation on the Theligh, who were call upon the Illand of Dieits; others in Brender, and others the Mental and other them. Orig. Mr. Thar Farriers, but the size is, the Adv. Initiative a Frait to be held in the Toeth Month, in the Month, the Top of the Montanian legan to appear above the Water; and this he makes the Origins of the Somemake: Bet with

Frecommuny of Satury, or at whose metal Satury was the Afcendant.

SATURNINIANS, or Saturnilions, a Sect of ancient Saturnity, thus called from their Chief Saturnit or Saturstin, a Disciple of Metadarty, a famous Gnoffic. Saturatuaght the Jane Errors with his Mafter, in Syris. See

ENANDRIANS. SATYR, in the Heathen Theology, a fabulous Demi-God, who with the Fatus, and Sylvans, prefided over Groves, and Forests, under the Direction of Pau. The Groves, and Foreits, ander the Direction of Pasa. The Sergiv were panned half Men, half Gents. The Sergiv were panned half Men, half Gents. The Sergiv were panned half with Gents of the Sergiv half of th

the wind scientify likely Letters being pulses, the wind scientific likely like

for Stewhit.

SAUCISSON, in Ferrification, a kind of Fagger
made of thick Branches of Trees, or of the Trouts of
Sarula boards auguster; in the Use worker of its owners to
Sarula board suggester, in the Use worker of its owners
Fatience, which is only roade of the final Brancher, and
by its being board at board Ends, and in the Middle.
Anciently they made it 4g Fout long, and ra briefs, and
thick, time, vit stadily a p for to long, and ra briefs, board through together wish times Brands four hill d with
Dound Brands and in Treats, and figures Interactly, a deSauffer & Worth I are the stady of the Sauffer Brands and the Sauffer Brands from the S

SAVER DE-FAULT, in Law, to excuse a Fault;
SAVER DE-FAULT, in Law, to excuse a Fault;
which is properly when a Man having made Default
in Court, comes afterwards, and alledges good Cause
why he did it; as Impriforment at the Time, or the

like.

SAVIOUR. Order of St. Saviene, is a religious Order founded by St. Bridget, about the Year 1344, thus called from an Opinion, that Christ binnell, the decease of the World, preferibed the Rules and Conflictations thereof. They are also called, from their Foundress, Bridgetias. Their Origine was thus Wilphon Finne of Norica. size. Their Origine was thus Wilphan Prince of Nericia, to whem St. Niright had been married, being dead at Greys, in his Return from Golfan, the Widow Boogho of concluding, from their things of the Continging from a three being the Continging from a three being the Continging from a first point the Discott of Lieuteges in Nowlett, where the entered herfill. By the Continuedons of the Order, via to be princed by the Continuedons of the Order, via to be princed by the Continuedons of the Order, via to be princed by the Continuedons of the Order, via to be princed by the Continuedons of the Continuedon of the Continuedon of the Order of the Continuedon of the Continuedon of the Order of the Continuedon of the Continuedon of the Order of the Continuedon of the Conti

very probable the Yare then began in distraint, and of an all that of Matta to Thirms, considerable conditions. Thereafter condition to the Cartest Condition of the Cartes

SAVOR. See Fary.

ADASAGE, or deading, a Terms of fonce Spinificacy in Commerce. The derign is a peptide Facel, prepare in Commerce. The derign is a peptide Facel, prepare in Commerce. The derign is a serie in masser of a Fulding. The next circumd Contribut of this Nata, is recommended to the commerce of a Fulding. The next circumd Contribut Parkey Fating, Care bases common one, and is made with mad Sucretific fonce common one, and is made with a Contribut of Garling. Fating a Care base of Garling, Fating and other Spices. The common of Garling, Fating and other Spices. The Contribution of Garling, Fating and other Spices. The Contribution of Garling, Fating and other Spices. The Contribution of Garling Fating and Contribution of Garling Commending vasid composed, are greater than one of the Contribution of the Con for Salcicium.

for Sadictions, "Wer, a little long Linnes-Beg, in Ferm of Audo, Is, bethes in Dismorte, dop in "Pich and of Tar, and filled with Powder, having a line Parce fairled Tar, and filled with Powder, having a line Parce fairled, better, to fere as a Train to fer Fire to Milnes, for-gades, or Bomb-Chefts, being made to reach into the Chamber of the Minne. Two of these Konfiger are com-monly applied to every Milne, to the Eds, that if one SAUTT, in the Manure. See SAUT See Through

fflowld fail, the other may take firect. See Mann, a SAUT, in the Manage. See Salta. SAW, an Infranent ferring to cleave, or divide into Firects, divers flaid Manters, as Wood, Stone, Marble, Very, gfc. The fire is one of the most affeld Machine, in the Mechanic Arts, ever inscreed. The Fable, which is perhaps founded on Some furer Tradition, attributes the 

are also Saws without Tetch, stift in the Instity of Manthes and other Stores, and other Stores, or follow, primar being and comerch with the or I has are only Hammer-hardwale; Herce, the first, beliefer since being Hillir, are thisevis found function that he full. They are known to be well hammer than the full. They are known to be well hammer than the full. They are known to be well hammer than the full of the store the Back may follow the better: I this is done by put-ting an influment, called a Sove oxyff, between every other two Teeth, and giving it a little Wrench, which turns one of the Teeth a little towards you, and also other a little from you. The Teeth are always fee ranke for courfe cheap Souff, than for hard and fine, in regard the anaker the Tooth is fee, the more Souff is lold in the Kerf; and if the Stuff be bard, the greater the Libour of fawing it.

which is very finall, and its Teeth, usually, not set; its Use is to out a round, or any other Compass-Kerf: Hence, the Edge is made broad, and the Back thin, that it may

the in coat a much or any other Compatible of Hero-te Edgs is such trood, and the Back him, that is may the Edgs is such trood, and the Back him, that is may the Consergeous likewise size a form, to cat off Banes. The observation and subject to the instanced stage from the Consergeous likewise size a form, the con-traction of the Consergeous likewise size and the large from the Consergeous likewise size and the way more people, and yet are time the Edgelston in May more people, and yet are time the Edgelston in the The Servi allow Guestiners' Indicates, the con-pant of Free Sec. This chiefly applied in the curing of the Edgelston in the Constance, the con-panied of Free Sec. This chiefly applied in the curing of the Conservation of the Constance, the con-traction of the Constance, the constance of the district of the Constance, the con-traction of the Constance of the Constance of the Con-traction of the Constance of the Constance of the Con-traction of the Constance of Tanalies, thought at the Tanalies of the Constance of Tanalies, thought at the constance of the Constance of Tanalies, thought at the constance of the Constance of Tanalies, thought at the Constance of Tanalies, thought at the Constance of Tanalies, thought at the constance of the Constance of Tanalies, thought at the Constance of Tanalies,

Task, and ruin grex Numbers of Families, thought at to prohibit them.

M. Felbinn, in his Principles of Architecture, Ce.
marries a Kind of long Sersi, irrenated by one Alfille Infection of the Martiel Quarters in the Tyrrenam, by mente where Observation as an interaction in the Rock incident and the Control of the Martine Servation of the Control o

spirle erm der ergensessen in een y 1879, way aus un SAMFRAGE, BAMCInnal Einst trees called from in-fegested Viruse in disfavore the Stone: in the Blacker, SAMFRAGE, and SAMFRAGE, and SAMFRAGE, and banker round, indexed, far and finition, like thefe of ly, in the Maddle of the Leaver rife Salkha, shown at Manual Carlos of the Carlos of the Samfrage, and Radio, Its Seed, which is very finall, is isolated in Radio, Its Seed, which is very finall, is isolated in the seed of the Leaver, displayed in Form of Radio, Its Seed, which is very finall, is isolated in its fewer Fibers, which is the seed of the seed of the Radio Radio of the Leaver, displayed in Form of Radio Radio of the Bottom store of knowledge of the last of the Samfrage of the Samfrage of the Samfrage Radio Radio of the Samfrage of the Samfrage of the Samfrage Radio Radio of the Samfrage of the Samfrage of the Samfrage Radio Radio of the Samfrage of the Samfrage of the Samfrage Radio Radio of the Samfrage of the Samfrage of the Samfrage Radio Radio of the Samfrage of the Samfrage of the Samfrage of the Samfrage Radio Radio of the Samfrage of the Samfrag momenton Water. Some use the Decochten of the Root issiff: Tis held a geat Disertick, Dr. Zjuney ob-ferves, That its Lithoutspit: Vertue is but little feen in Freditc. He adds, That the Simple Water thereof, idd in the Shops, is good for nothing; the Virtue of the Plan, if it have any, confiding in fomething too grafs to file over the Helm. Some take it to derive its Name from its growing in the Clefts of Rocks, which is ferms

ta pierce through.

SAXON LANGUAGE. See ENGLISH.

SAX, or Say, in Commerce, a kind of Serge, or a
very light, crofs'd Stoff, all Wooll, much used abroad for
Lininga, and by the Religious for Shirrs; and with us, by
Avenue. for which Purpole 'ris ufually. Equation of the control of the control of the control of the Calkers, for Aprons, for which Purpote via usually geen. There are very confiderable Manufactures hereof at Sesterry, near Colcheffers, at Tyres, Handfors, Ec. in Busters, Ec. Those made in England, are chiefly expected to Pertuguit, and Leghons.

conting us. Those mode in Engolute, are charty ex-tended to the Continue of the Continue of the Continue of the SATETTE. See SARATUREA. SATETTE. See SARATUREA. SATETTE. See SARATUREA. SATETTE. See SARATUREA. SATETTE. SATETTE. SATETTE. A find of SATETTE. SAGENCY, a Medicinal Plats, very common in the SAGENCY, and SATETTE. SATETTE. SATETTE. SATETTE. SATETT

SCALPOLL), a Timore word, raifed in namer of memphaters to place Spewage of the commodious viewing et fonce Shew or Groupen for the commodious viewing et fonce Shew or Groupen for the commodious leading et fonce Shew or Groupen for the commodition of the commodities of the commo SCAFFOLD, a Timber-Work, raised in manner of an

is called the Scala Tympani; the other, having a Com-munication with the Veihbulum, is called the Scala Ve-

munication with the Veilhalam, in called the Studie's lightles. See East, in the Amoient Architecher, in what in Sec. 43, in the Amoient Architecher, in what is a Sec. 43, in the Amoient Architecher, in what is a Sec. 43, and the Sec. 44, an vided. This Scale is otherwise called an Universal System, as including all the particular Systems belonging to Mufick. See System.

# Origin and Confirmation of the Senze of Mulicha

Origin and Canthrallian of the Seales of Mofish.

Every Caccord or Ammonical Investi, is a Gaubic on a certain Number of Degrees or Pares, the Calver, for Indiance, ran to these general Tones, to the Seales, and we Sensi Tones, a fine property of the Seales, and the Seales of the S

great 2d gr. 3d 4th 5th 6th 1 : \$ : \$ : \$ : \$ : \$ : \$ : \$ Key or great lefs Semi- great lefs great Semi-Fund, Tone, Tone, Tone, Tone, Tone, Tone, Tone,

great Second.

1 : \$ : \$ : \$ : \$ : \$ : \$

Key or great Semi- less great Semi- great less Fund. Tone, Tone, Tone, Tone, Tone, Tone, Tone, Tone, Now, the System of Octave, containing all the Origi-nal Concords; and the Compound Concords being only

inte Bunn O'Octre en ad fone les Concord, 'us evidene,' That'if we would have the Serties of Diogree continued to the Concord of the Concord

540 : 480 : 432 : 405 : 360 : 324 : 288 : 270 great leß femi great leß great leß Tone Tone Tone Tone Tone Tone Tone

216: 192: 180: 162: 144: 135: 120: 108
great femi less great femi great less
Tone Tone Tone Tone Tone Tone Tone

This Lords the Ancients called the Matunia Scale, because proceeding by Tomes and Semissions. See Dais, resusce. The Moderns call it, finniply, The Suid, as being the eady one nois 10 fet and fearnings. The summer Scale, because its Degrees and their Order are the most agreedise and excentions, and preferrable, by the Constraint both of Senis and Realism, to all other Division ever both of Senis and Realism, to all other Division ever both of Senis and Realism, to all other Division ever both of Senis and Realism, to all other Division ever both of Senis and Realism of the Division ever both of Senis and Realism of the Division every large through the Division the Divisi

# Office and Use of the Scale of Musick.

The Defign of the Soule of Mulci, is, To thew how a Voice may rise at all, left this any Dymanoical Internal, and thirthy move from the one Exercise of any Internal and thirthy move from the one Exercise of any Internal and thirthy move from the one Exercise of Soule of Praculpts of Mulcie 1 while it me either harmonical internal and the Praculpts of Mulcie 1 while it me their harmonical internal 1 to the Praculpts of Mulcie 1 while it me the regarder Vasiery. See where all the Council, with their continuous Degree, folderice to othern, to make the greater Vasiery. See we have all the Council, with their continuous Degree, for placed, at to make the most perfect foundation of Soundary to the Praculpts of the Pr

in immediate Succeifion, much left in Configurate. The in the first Series, or You'de showed chieverd, whose Progretion be meladitous, as the Terms refer to one come Fundamental, yet are three feveral Diffconds some, the musual Relations of the Terms 1, 6,5% from also toy it is 3 to 45, and from the greater of the first series of the se

Series. See Direan.

From what we have observed here, and under the Armick Rev, it appears, That the Seel imposits not a Market Rev, it appears, That the Seel imposits not to it, first what Notes can be intended to it, if the see a seed to it, if the seed to it, if the seed to it, if the see what Notes can be intended joined to make the part of the seed to it. If the seed to it, it will be found or the Armick Rev. See a seed to the seed to the Armick Rev. See a seed to the Seed to

Defer in the Seeling, but follows recollectually from its being confloct to that Constitute, which is foreign to the Nature confloct to that Constitute, with the New French of the Constitute of the New French of the New French of Theory, and the Investments; and in this conflict their great price of the Constitute of

the Name of the natural Note near below, with the Mank of called a Sterija or the Name of the natural Note near above, with this Mark b called a Hear. See Fear and Stanas, 8 see also Sastrones 1 for Guide's Scale, commonly called the Ginnar For the Scale for the Angle of the Angle of the Dingerm a see and t

Scale, a Mathematical Inftrument, confifling of one or more Lines drawn on Wood, Meral or other Matter, divided into equal or unequal Pares, of great UE in laying down Diffances in Proportion; or in meafuring Diffance and the divided with the Matter of t

the control of the control of the making of the melicing. There is Soft of Seven Stade, assumediated Distance shreds the General Stade, assumediated Distance and Seven 
finaller, for the two odd Ones: This Diffance drawn or finaller, for the two old Ones This Diffuse drawn on Piper, will contain 33 by the Kadie. Again, Were I re-quired to measure any Line by a given Scale; Taking the contained the piper of the piper of the piper of the contained the piper of the piper of the piper of the may reath over among the leffer; then the Number of given the Number of Mides, 15c. See the Uje hereof there Indiance under the Article FLOOTING SCALE.

Sec Sunter. Diagonal Stale Guater's Scale Plating Scale

"Treversion Seats." Life civiled into equal Parts, pixed or the Boston of a Map or Design, to their as a common Meater out all the form a period, as the Boston of a Map or Design, to their as a common Meater out all the form the seats. The seats of the

SCALENUS, in Anstomy, a Name given to three Pair of Muscles, from their Form; all of them serving

the first Rib, which it helps to draw upwards.

Scalenus Scattmatus, arifes from the fame Processes, as likewise from those of the Fifth Vertebra of the Neck; and is inferted into the Second Rtb, and sometimes into

the Third. SCALENUS Terrius, arifes from the same Processes with the former, and from those of the Sixth Vertebra of the Neck; and is inserted into the First Rib.

SCALPEL, in Chirurgery, a kind of Knife chiefly ufed in Diffections; but which may be occasionally ufed uled in Diffections; but which may be occationally uled in many other Operations, as in Amputations, and to cut off the Flesh and Membranes that are between the Two Bones of an Arm or Leg, before the Limb be lawed off: Three are two Kinds of Scatifelt; the first curs on both Sides, and is fixed in an Ebeny or Ivory Handle, which Sõte, and is fixed in an Eleviry or Ivory Handle, which being very that and thin at the Extremity, ferces to part the membraneous and fibrous Pares in Anstonical Preparation of the Control of the Pares of the Pare konafi is deolvevihe Patient by biding in Bidae. Twa nah vided by the Assient, in opening and dilting of mal is bedies very flow, via better aday a Syvingorous-mal is bedies very flow, via better aday a Syvingorous-ten on the State of State of State of State of State 1824. A Barry double-casting, Sodiels, with a Boo-lead, a Patry double-casting, Sodiels, with a Boo-State of State of State of State of State of State State of State of State of State of State of State State of State of State of State of State of State State of State of State of State of State of State of State Barry and State of 
SCALIFOR ANJ, in anatony.

SCAMILLI INFARES, in the Anient Architecture,
SCAMILLI INFARES, in the Anient Architecture,
Term much contraded about among the Critickey.
The Anient 
fome of the Organicate thereof. These Scamille are well represented by the Pedestals of Statues.

SCAMMONY, in Pharmacy, the inspissaled Juice of

représende by the Redelah of Status.

SCAMMONY, in Plasmary, the subprilited Juice of
the Root of a Plant of the finate Name, growing in the
the Root of a Plant of the finate Name, growing in the
the Root of a Plant of the finate Name, growing in the
the Root of the Root of the Root of the
the Root of the Root of the Root of
the Root of the Root of the Root of
the Root of the Root of
the Root of the Root of the Root of
the Root of the Root of the Root of
the Root of the Root of
the Root of the Root of
the Root of the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the Root of
the

CHOACAM, In the Contract Linguage, I amy ching a SCANDAM at 18 Contract Linguage, I amy ching a SCANDAM at 18 Contract Linguage, I amy ching a SCANDAM at 18 Contract Linguage and the Linguage and the Linguage and the Linguage at 18 Contract Lingu

Scannar is also a difadvantagious Rumor or Report; SCANNAL is alfo a difficientagiour Rumor or Reports, or an Aftien wheelp say one is affrocted in publick. Hence Stone of demands, Logis Scandall, or Fritzgeria, Hence Stone of demands, Logis Scandall, or Fritzgeria, Remore, Wheetin was Engraved the Figure of a Linay upon which the Cefficiary or Bankrupt being fracto harmonic being the state of the Cefficiary or Bankrupt being fract barreners, critical with a loud Voice, Colo bouis, I turneder my Liftick is when, figurating his Beecch violently, three comments of the Cefficiary of the Cefficiary Stone of Scandal, because there-forward the Cefficoary became intestable, and incapable of giving any Evidence, Julius Cosar introduced this Form of Surrender, after abrogating that Article of the Laws of the Twelve Tables which allow'd the Creditors to differentees the waten allow'd the Creditors to differenter their Infolvent Debtors, and to take each his Member, or at leaft to make a Slave of him.

make 8 Jure of him.

SCANDALUM MAGNATUM, in Law, 2 Special

Name, for a Scandal or Wrong done to any high Frifne
gae of the Land, as Freitare, Dake, Farlia Banou, Ec.

as alfo of the Chanceller, Treafurer, Clerk of the Pray

Scal, Streard of the Houle, Julier of the Bench, or

other great Officers of the Redin, by falle News or

Medifice, whereby Debates and Differed between them

affer and bath given Name to a Wing randed or roome

affer and bath given Name to a Wing randed or roome.

Daouges thereupon.

SCANNING, in Poerry, the meafuring of a Verfe, to fee the Number of Feet and Sylfathes is compiler, and whether or no the Quantities, that is the leng and then whether or no the Quantities, that is the leng and then with regard to Greek and Letin Verfes; the Quantities not being well effected and observed in the Verfes of the Modern Languages. Sec Quantities. He Modern Languages. Sec Quantities, Spiriles another, See HERAMETER, GE. The Word is formed from the LOTH, Standiers of collins.

SCANTLING, a Meafure, Size, or Standard, where-by the Dimensions, &c. of Things are to be determined. The Word is form'd from the French Efebautillon, a

The Word is form'd from the French Epithesillars, a Flyerier on Societies. See SanaMann. See State of Terture or Parallement fermer's in Uic assess, the Popinar. It compared to the See Sanaman See S

Body. Seen Authors oblives, that they editarily lived your Jays in this Troment. The Inversion is afferted to Perspirate Queen of Persja, and Monker of Antersact, Advances, and they young Crow. The about the Antersact Advances, and they young Crow. The Word is formed for the Talings of the Death of Cryov. The Word is formed of the Crown of the Crown of English Pollows or only and also National Crown of the Crown of the Antersact of the National Crown of the Crown of the Antersact of the Orice Legists, Batter of Parks of Angely, blader y, ke-ford, and the Crown of the Crown of the Crown of the Antersact of the Crown of the Crown of the Crown of the Antersact of the Crown of the Crown of the Crown of the Antersact of the Crown of the Crown of the Crown of the Antersact of the Crown of the Crown of the Crown of the Antersact of the Crown of

cante Bass were organily made of Trank of I tree
and Favor.

SCAPULA, in hautomy, called also Gaugets and
Area 1 a large and leave for the Control of State 1 and
SCAPULA, in hautomy, called also Gaugets and
Area 1 a large and leave for the Control
Favor of the Trank of the Control
Favor of the Trank of Trank of Trank
Favor of the Trank of Trank
Favor of the Trank of Trank
Favor of the Trank
Favor of the Control
Favor of the Trank
Favor of the Control
Favor of the Trank
Favor of the T

for the ealier Motion of the Arm, and to give Rite for the Macker, which more the Arm and to give Rite for SCAPULAR, Scapularis, in Amatomy, an Epithet given to two Arteries, and as many Veins of the Body. The Scapularis interns of externs, or the inner and ourer Scapular Arteries, arise out of the Soledwistin, and are spread over the Scapular: The Inner and Outer Sca-pular Veins discharge themselves into the Asiliary, or public Veins discharge themselves into the Asiliary, or

are figured over the Sophies. The limit has the limit where the control of the limit has the second over the Sophies and the limit has the second Outer Sophies and the limit has the li Bulls of the Popes. M. de Laussy, however, maintains, in an express Treatise on the Subject, That the Apparition was falle, and the Sabbaten Bull, which approves of the was faile, and the Sabbane Boll, which approved of the Sepalator, a Constructive. In client, the Carmelites themselves did not begin to wear the Sophistor will feveral Person after in preceded the Virgin gover in Or. Brotze. There is also a Priery, or Fracemity of the Societies, confining of Law Botherts, who profile a particular Evotion to the Virgin, and who, in Hoosar of ther, wear a lattice Sophistory, in manner of a Benefict, or otherwish, continuing the great One. They are obliged to certain Person. SCAPUS, in Architecture, the Fust or Shaft of a

"SCAVILS, in Architecture, the Full or Shaft of a Column. See Farry, the thris Salle, so form of a Flant, straight garging the R 18 Hall, or Column, School, See Farry, the thris Salle, so form of a Flant, straight garging the R 18 Hall, or Column, SCAN, See Farry, in Chrosper, an Operation whereby forced Incidence are must in the Silva, with an indicatous proper for the Irophol, See Schauser, and Complete and Columns of the Salle, which was a straight of the Salle 
refication. SCARFICATOR, a Chirurgical Inframment used in SCARFICATOR, a Chirurgical Inframment used in Scarification; which see. The Scarificator is made in Form of a Box, wherein are fitted to, 12, or 15 Lancetts, all perfectly in the same Plane; which being, as it user, cocké, by means of a Spring, are all discharged

at the fame Tune, by pulling a kind of Trigger, and driven equally within the Skin. Till of late, they utden little flash catting Wheels inflied of Lancets. The Use of the Startpetter is to evacuate the Blood, and other Hamouers, Iptend under the Skin, by making a great Namber of Apertures, or Outlets, therein is which being the sail firsted at once, gives much left kin than when

thes an arrack at once, gives much lets rain than when flruck inceedirely.

SCARLET, in Dying, one of the Seven Kinds of good Reds. There are two Kinds of Seerlets, the One given with Seerle Grein, particularly called Seerlet in Grain, the other with Cochinest. See Rup. See also

Grow, the other with Cebinari. See Ren. See gibt Conversity, Ger. Matter ded to dy a Soute Colour, failly taken for the Grain of a Plant. This magnany Grain, called by the Jobb, Nerman, is faund magnany Grain, called by the Jobb, Nerman, is faund californed Plant of Provence. Longation, Johns and Jon-gand. That of Longation, paties for the cite, being by, and of a very bright bed is that of Johns in the sourt, so were rape, and to suppose the late way, that is, within the Compast of the Kear, after which Time a based on the Compast of the Kear, after which Time a based on the Compast of the Kear, after which Time a based on the Compast of the Kear, after which Time a based which the Compast of the Kear, after which Time a based which shaping limit between, be obstrate, space profice, history, and not the Grain or Seed of a Tive, as it go with the Compast of the Compast of the Compast of the seatest local Geometric Compast of the Compast of the seatest local Geometric Compast of the Compast of the seatest local Geometric Compast of the Compast of the seatest local Geometric Compast of the Compast of the seatest local Geometric Compast of the Compast of the seatest local Geometric Compast of the Compast of the seatest local Geometric Compast of the Compast of the seatest local Geometric Compast of the Compast of the seatest local Geometric Compast of the Compass of the seatest local Geometric Compass of the Compass of the seatest local Geometric Compass of the Compass of the seatest local Geometric Compass of the Compass of the seatest local Geometric Compass of the Compass of the seatest local Geometric Compass of the Compass of the seatest local Compass of the Compass of the Compass of the seatest local Compass of the Compass of the Compass of the seatest local Compass of the Compass of the Compass of the seatest local Compass of the Compass of the Compass of the seatest local Compass of the Compass of the Compass of the Compass of the seatest local Compass of the Compass of the Compass of the seatest local Co COCHINEEL, Sc. of Milde, and is excellented by the Functions of an Inde, which depthets in Eggs therrian. In Propostors a segmen, it becomes covered with a kind of Afhe-bloam grows, it becomes covered with a kind of Afhe-bloam down the control of 
The Sendies-strain is also or considerative u.e. in .meet-chien, where 'the better known under its Arhabi Visine delicin, where 'the better known under its Arhabi Visine from the Grunes Serield, or the Henrip Schartheise Whence the English have fourth the Sendre, the Henrip Whence the English have fourth the Sendre, the Henri cherie it from the Chile Synaethen. Databetompies will have it called Sendresson, by Corruptice, for Confinitions In University of the Confinition of the Chileston of a bathorous which is Tomate Leith on Sphirs others feeth

a barbarous Word introduced into Spain; others fetch it from the Arbita Trouter leafs, or Scattle-Fever; the fame at Papile-Fever. See Punyuk and Fryuk, SCARP, in Fortification, is the Foot of the Rumpat-Wall, or the Sloping of the Wall from the Bottom of the Work to the Cordon on the Side of the Mont.

Scaux, is a Term in Heraldry, growth of the Heraldry specific from the French Zightype, fightful district the Section of the Teld, whereas the Battoon is out off at each End, the beareas farging, a Sough Assert.

SCAVAGE, in our ancient Customs, called also Sciss-cage, Schwarge, and Schwarzing, a kind of Toll or Cu-ftom, cacked by Mayors, Sheriffs, 15c. of Merchanes-Strangers, for Wares shewed or offered to Sale within their Liberties. This Custom is prohibited by Stat. 19. 15c. VII. 1

Hen. VII.

SCAVANT, or Secont, a Term purely French, fig-nifying Learned, little used in our Language, except in SCAVANT, and the second of the Learned, published Monthly at Tenit, being the first Thing of that Kind, and that whereon all the reli are founded. See Juni vant. Hinger derives the West is wrote Serman; others from Series, to know, and for that Reafton write it Scorout. The learner Expundings, and Our thoughput, are followed by the disademy: though all the actives the Second Service, Security, Sec.

SCAVENGERS, two Officers choic yetsly in ex-perit in Lennine, and the Subarte, whose Bained in I-perit in Lennine, and the Subarte, whose Bained is to se his Perioso called Raberr, and Carts to eleante the Seriest, and carry away the Dur and Filth thereof. The Word is derived from the Durch Schwere, to Grape or flavar way. The Germans call them Direch Spanse, igam one Stones a funct Sourcegor of Adapting. The control of the Carte of the Stones of the Stones and Carte Schwarze Carte of the Stones of the Stones and Stones called Screet-wards.

called Servet-course.

SCENE, in the ascient Deams, in its general Sende, was the Huestre whereon Dramanic Preces, and other gubuse the Huestre whereon Dramanic Preces, and other gubresponse to the servet of the servet of the servet of the Sender Sen Houles and Streets for Comedies, and Foreits for Pathorals. Thefe Decorations were all vertails; i. e. cither they unrid on Payors, as deferibed by Pitraviris, or trailie, i. s. fided along Grooves, as those in our Theatres; and as this or that file, or Representation, was tutned cowards the Spectators, the Scene was called a Tingie, a Course, or a Pathoral Science. See Strace. Virtuation obpounds the Speciators, the Same was called a Frager, James, or a Fujimal Storm. See Tysan, Firmuino be-jaces, That the Zone was properly a large Exc or Front sich were three large Apertures for perfective Regues stations. See feveral curious Remains on the nucleat Spece in M. Permail's Notes on Primering, its, 5-cpc 6. According to Refinat, the Stean, in its proper and original Sense, in a Series of Treating, and only and original Sense, in a Series of Treating, and other control of the Special Special Special Special Special control of the Special Spe can be defined the defined the first the liquine of the Wenther I. For in false Bace it was, that, in socient Times, eer Theatres were built, they afted their Hays. Then also Caffactured derives the World Strens, from the data Shade of the Growe, where, in the Spring Time, data Shade of the Growe, where, in the Spring Time, data Shade of the Growe, where, in the Spring Time, or Exercise 13 and sold for the Plane of the Carton, Carton and the Grower than the Carton, and the Grower than the Carton, and the Carton, and the grant Law of the Drama, is Arvons. Unce of the grant Law of the Drama, is a favored.

max where the Action is conserved to have passed. See Actron. One of the grand Laws of the Drama, is, To observe the Unity of the Scene, which we more usually call the Unity of Place. See Unity. In Effect, to keep doke to Nature and Probability, the Scene should never be shifted from Place to Place, in the Course of the Play. The Ancients were prerty fevere in this Refpect, parti-ularly Terence: In form of his Plays, the Seeme never flifts at all, but the Whole is transacted before the Door hins a rall, but the Whole is monthful before the Doce of an old Males Hole, whitele, with instituted Are, he lungs all his Actors, occasionally. The France two are larger than the contract of the Hole of Hole of the Hole

sum to say at once from Local-Large to Pers. The gent Sakeffeet is exceedingly faulty in this Refpect, in should all his Plays.

Sens. is also a Part or Division, of a Denamette Bons, determined by a new Actor's entering. Plays are divided into Acts, and Acts lab-divided into Seems. See Single the second of the secon

Three Perions on the Stage at the fame Time, excepting as the Charus's, where the Number was not limited. The Moderns have but little regard to this Reftriction.

Mosters have best little regard to this Rethriction.

SCENIC GAMES, or Reprightations. Lattl Scenici,

smong the Ancients, were Einsteinments exhibited on

de Sons, or Theaters, including, what we now cill

glap, of all Kinds, with Dancing, and other Theaterial

Perfermance. The Resense were ago, before were refrired,

some of the Conference of Resense of the Conference of the Conference of Resense of the Conference of the

late of those Persons falling in the Year 389, which; therefore, is held the Ara of the totroduction of Scenic Games. For at the Beginning, some Actors were sent for Games. For at the Beginning, some actors were ten to out of Hertwist, who, without recting any Thing, danced about to the Sound of Infiruments; so that thus far was no more than a Ball, or rather what the Front call a Zaller. At length they began to reheatif Verfer, thus, a Bibit. At length they began to reneatic Verfet thus, by degrees, growing more and more perfect, they were at last represented with a Justices, and Magnistence, be-yond any Thing the World ever saw. See Tuna-run. The Fathers, in their Writings, cty out lendly against these Geome. these Game

thefe Gaues.

SCENOGRAPHY, in Perspective, a Reprefentation of a Bibdy on a perspective Plant; or, a Destinguious of a Bibdy on a perspective Plant; or, a Destinguious Fall and a strangement of the Plant of the Plant of 
# To exhibit the Scenoon Arny of any Body.

1" Lay doon the Bids, Ground-plot, or Flus of the Body, in the perfective Managerithy according to the Method has in the perfective Managerithy according to the Method has the Method and the Method of the Method has the Method of the Method has the Method of the Method has the Method of the Meth Altitude required. The Application of this general Me-thod of drawing the Scengraphy of a Body, is not so obvious, in every Casc, but that it may be necessary to illustrate it a little by a few Examples.

# To exhibit the SCENODRAFHY of a Cube, viewed by an Angle.

s° As the Balls of I Ghe viewed by as Anjels, flushing on a Commercal Plant, is a Square viewed by an Anjels, Dave a Square, viewed Anjels we id., on the Perfective Markey Rame, "Short he Sold Hi [Fig. 25] of encloquing the Commercial Plant of the Plant of the Commercial Plant of the Commer As the Basis of a Cube viewed by an Asigle, standing

# Ho exhibit the Sarnography of a Hollew Quin-quangular Prilin.

18. Since the Bale of a bollow Quinquangular Prijon, thanking on a Genetrical Plane, is a Fontopo, with a Laino or Beschol of sectain Disconting the Company of the Company

### To exhibit the Schnoonaphy of a Cylinder.

t\*. Since the Base of a Cylinder, standing on a Grotno-trical Plane, is a Circle; seek the Appearance of a Cir-cle. In the Points, a, b, d, f, b, g, c, c, (Fig. 4) raise the

the Eye, though they are not to be difregarded, from the Beginning, as being necellarly for the finding of other Lines. E, g. In the Xerosycathy of the Cabe, viewed Angle wite, the Lieu b of and  $\alpha_c$  ( $(\bar{y}, \bar{z}_c)$ ) in the Bale, Angle wite, the Line b of and  $\alpha_c$  ( $(\bar{y}, \bar{z}_c)$ ) in the Bale part of the Angle with the Angle and  $(\bar{z}_c)$  in the Angle and are therefore conirered in the Defriptions. But fixes the Polici I is not to be found untiet the Fourt of the Said in the Khungarphy; nor the Lines g h and d e be drawn without the Height of h, the Appearance of the Foint of the Height bid.

# To exhibit the Schnoon a ruy of a Pyramid, flanding on its Bafe.

Support, p. 29, it were required to delinent a Support, p. 29, it were required to delinent a Support Belleville for Nymeid is a Super feer by an Angle, drum A Super. 2 to The find the Vertex of the Lymeid, since Disports menually interediling case their production of the Support Suppo lineated,

## To exhibit the Scenocraphy of a Trus-

Suppose the Truncated, Pyramid Quadrangular; 10, then, Suppose the Truestand, Pyramid Quadrangular 37, then frict on the feveral Angle of the upper Black be conceived. For the control of the contr

# To exhibit the Schnogramy of Walls, Columns, &c.,

e n rangi timm net re Penemen.

Suppola a Presente A F I II (Fig. 2) regrefored in a Plan, topoter with the Bales of the Comon, Ge, if there are present a present a prepart of the present a present a present a pregramma of the present a present a present a pregramma of the present a present a present a present a pregramma of the present a present a preter present a present a preter present a prepart of the pre
part of the pre
par

## To exhibit the SCENOGRAPHY of a Door in a Building.

Suppois a Door required to be delineated in a Wall De F A C<sup>1</sup>(F) , -1 Open the Telemanustal Line for red in Dilitance A N from the Angle A, together with the Breadths of the Fifth N I and L M, and the Breadth of the Gitts (1811 L 2.\* To the Foint of Dilitance K, from the forest of Parties N, 1, L, M, and the Breadth of the Color and Forth N, 1, L, M, and the Breadth of the Care I reduce N, 1, L, M, and the Breadth of the Color and Colo

the apparent Alithudes, as in the preceding Articles. If it spile Lince TV and OV. 4°. Then, from n, i, i, in, now noir upper Lince he connected by curve Lince, a bin rule Terpreductions, the Middle cons whereas the control beat first, a, i.e., i.e., i.e., c, i.e. a Congregal of the Coff. — for pile Linco V in e. and the Licronace, by the right in the Lince, i.e., by the right of the Lince, i.e., and the Lince before.

# To exhibit the SCENOCRAPHY of Windows in

West, you have been with represent Darr, you'll face to Direct by a dealer of the Control of the White Control of the Control the Diffance of the Window from the Pavement 3, 11; and, from 11 to 12, its Height 11, 12. Lattly, from 11 and 12, to the principal Point V, draw Lines V 11 and V 12; which interfecting the Perpendiculars 10,

the Dilanes of the Window from the Parement 3, 11, and, from 11 to 12, 10 High; pt. 12, 12 High; per man, from 12 to 12, 10 High; pt. 12 High; per man, from 12 to 12, 10 High; pt. 12 High

gatel is doubeing of every Thing, in siftening rothing at all, and in keping the Judgmen in Sulpenin on very Thing, are all and in keping the Judgmen in Sulpenin on very thing, deem 2 department under Suprening to conflict in control of the suprening and the surface of the surface of the surface of proceedings of the surface of proceedings of the surface of the su

The Carries feems to have beforewed his great Principle of seedings of all Valenge, as is overfle by many of his Volden-en. It must be own'd, there is frame Different between the Doubling of the Seyfrields, and that of the Carrighten. In Physical Matters, 'thi 'true, these does not feem a great doil of Difference and Difference and Difference than Refugled, may without much limitative, be decural a Seyfrie: But this may be faild in his Yaware, That the great Suprares was for far a Seyfrie hamilet physical and feedfale Things, he held, severall chabition, and, 'no bell, my problem.' See Carries was for several chabition, and, 'no bell, my problem.' See Carries was for several chabition, and, 'no bell, my problem.' See Carries was for the second of the seed of the

see all takions, and, at belt, but probable. See CanaraManifold, and of the control of the con meganis contres, that goernet minelf had a Tuchen that a chimany Shipper, of his, I have made give tria, that a chimany Shipper, of his, I have made give tria, that I have making. If this were the Origin of Sopi-tion, the Company of the Tryping such confidence of the Company of the Tryping such company of the Company o

SCEPTICISM.

Plans refuse the great Principle of the Stephicks thus: Plans refuse the great Principle are incomprehensible, do you comprehend or concrive that they are thus incompre-tensible, or do you not? If you do, then fomething is comprehensible; if you don't there is no Reason we finall believe you, note you don't comprehend your own All believe you, note you don't comprehend your own

The Tenn Septice, in its Original Greeks Zaufucie, properly Sguiles Confederates, et. A Man who is ever weighing the Reason on cost Sied and the other, without ever deciding herwest them. "It form'd from the Verb saufucie, to confederate, weigh, editerate. Learning add. That the Follower's O'Egriroh, had various Denominations, the Confederate of the Con

wo doubt. Prom their Sulpenhousal Heffattinn, Papelifes, or etrojke to flag, to keep back; and from their never of errojke to flag, to keep back; and from their never some control of the state of the state of the state of their states of their states of the states of their states of th

Name of Schor-Prinner, SCHEAT or Schor-Prinner, SCHEAT or SCHT, in Altronomy, a fixed Star of the Second Magnitude in the fundance of the Leg, with the Left Schoulder of Progetis. Some cell is Som Alpharus, and Some Schort Progeti. Some call is Som Alpharus, and Some Schort Progeti. In Longitude, according to Mr. Flamiland, as age 2 13° in Landanda p. 18° O'NAM'S, SCHEDULE, or Caleba, 28 Secold or Paper, or Partic-ment, anexed we appended to a Will, Leefe, Deed or Good, or forme above Master, contined in the Endy of the Inflavour. See School 
fome other Matter, omitted in the nosty or me mass-ment. Sec Carrier. See Frience, or the Reput ends. SCHEME, a Model, Dangolt, get. or the Reput ends. SCHEME, a Model, Dangolt, get. or the Reput ends. The Delice of the Reput ends of the Code third Bodies in their proper Plates for any Monent. See DCHEME, See Contact of from the Greek system. SCHIRE MOTE, was accidently a followed hereing of all SCHIRE MOTE, was accidently a followed Meeting of all

ASSEMBLY and the Court area in usual to INTER EXPLANT ASSEMBLY and SECHIER MOVIES, was assessively a form beering of all the free Treasts and Knophen in sur Courty, to the Text and Collection (International Medicines, called the Softmore and Softmore, a band, inductor I usuae, formal gradually, in the Court of the C

sur of a Guzze. The Word is found from the Great surfiely, harderic, which is the percent, fighting-light, profiles, which is the percent, fighting-light, and the office of shortest is but chieffy filled indigating of Se-princies happening through Directifys of Guineau names People of the fines Religion and Vision Tone on the Soligion of the Great Section of Section 1997. These of Pairs and Section 1997. Soligion of the Perfect from the Tone is not often Milware Theology of the Section 1997. The Section 1997, and the High is that which happened in the Times of General VIII. and Urlean VII. which divided the Charch for People of the Times of Section 1997. The Section 1997, and the Section 1997, the William of the Section 1997, and the Section 1997, and the sumpler Thirty-four Soligion in their Church. They believe the Name of the English Soligion on the Germation of the Name of the English Soligion on the Germation of the Name of the English Soligion on the Germation of the Name of the English Soligion on the Memmation 1997, the Name Name of the English Soligion on the Memmation 1997, the Name of the English Soligion of the Germation of the Name of the English Soligion on the Memmation 1997, the Name of the English Soligion on the Commission of the Section 1997, the Name of the English Soligion of the Commission 1997, the Name of the English Soligion of the Commission of the Section 1997, the Name of the Name of the Name of the Name of the Section 1997, the Name of the Name Nanconformilit, eds. the Presbyterians and Anabaptilis, who are extract for a further Reformation. Some call the Separation of the Protestants from the Church of Rome, a Possitive Schiffen, because that Church cut them off from her Communion. The Word is form'd from the Greek

her Communion. The Word is form? I from the Growte, etch. Hiller, etc., 
ing, &c. After New, twas also apply'd to the Afternational mining others, to Scenetz and Englishing the Excletional Englishing the Excletional Englishing the Excletional Englishing the Scenetz are Conferenced with the English of the English of the Englishing the English of the Englishing the Englishing the Scenetz and the Government of the Eccledization Schools, ethablished under the first Race of French King, who introduced the Conference of the Englishing the Engli unter, been an 1-bessity, and the study. These year concountries are studied in a City, the Schildgreas was called the Chemils of Schild in a City, the Schildgreas was called the Chemils. Gendredue debrers, Test among the General Schildgreas was shown at a Chemical Schildgreas was shown at the Chemils. Schildgreas was shown at a Chemils of Schildgreas was shown at the World in that Chemils of Schildgreas, the Schildgreas was shown at the World in that Chemils of Schildgreas, the Schildgreas was shown at the Delicacy of the Will. Philadyl Schildgreas, the Schildgreas was shown at the Delicacy of the Will. Philadyl Schildgreas, the Schildgreas was shown as the Schildgreas wa

and the Nov. The Ancient began under Langings, Architops of Cantrology, or, more properly, under There is a support of the Architops of Langings, or, more properly, under There is no Kars; reduct, under Alleriers Megens. Two six of the Thomas of the Market Megens, which is the above row Langing, or the Thomas of the Market Megens of the Market

Has import to combat with.] This now fallen into the inflat Occumpt, and is incare regarded any where, but in force of the Universities, where they are obliged by their Control of the Universities, where they are obliged by their Control of the Universities, where they are obliged by their Control of the University of the University of the Control of Control of the Control of the Control of the Control of the Control of Cont

ology. The Engravers, by the Infoription they add at the Bottom of the Print thereof, flow, That they take it for a Painting of St. Paul preaching at Mehns, An Angulin of Finite, takes the Philosopher who is wri-ting, for a St. Mark; and he at his Kores, for the Angel January of yours, cases not himsologue, we is an-ting, for a St. Mark; and he at his Knees, for the Angel Gabriel. M. de Piller rejects all thefe Explications of the School of Abana, and elpocalily the last: His Opinice is, That 'tis nothing more than the mere Image or Ra-prefentation of Philosophy, which Raphael here defign-under all the Philosophers he has panned. In Behalf of under all the landscapers of the painted. In Section of the Fraction Engagers it may be faid, that they do see precend to explain the Painting, but have only copied idea of the Figures as they thought proper to reprefer St. Mark, St. Galdrid, 25.
SCHOOL PHILOSOPHY, Theology, & See

SCHOONBIAH, a Sect among the Muffulmans. dillinguishing Tener of thate of this Sect is, That the Summes are not a whit preferable to the Schaig or Refablites, i. e. the Orthodox to the Heteredox; but that fallent, i. t. the Ontdooks to the Horsectors, but this his host has the other are coulty good Madfallents, The Absoulded, therefore, Broad bet proceeding the Horsectors, Broad bet proceeding the Horsectors, I am much better than Coultile or Horsectors, as their Name unports. There are absoulted to the Horsectors, as their Name unports. There are absoulted to the Horsectors, as their Name unports. There are absoulted to the Horsectors, and their Name unports. There are also deliced to the Horsectors, and the Self, selfy being an around Enemy to Telestration.

SCHATCA, in Phabethophy, a clear and seven proceedings of the Horsectors, and Christian is the Country to Telestration.

SCHATCA, in Phabethophy as deer and seven proceedings to oppose the Section of the Horsectors of th

middle ferreen het Twe. See Grisston. The Oxtpoker profest to deny, that we have any left childing a Science, that is, any before, certain solvine of any thing capabled Word is form? do the Letin, Stirr, to know. Divines fappels three Kinds of Science in Gold. The first, Stience of mer Konnbelog, whereby Gold knows of Viffen, whereby be known all Things he has referred to do, or to permit them. The third anisometric still Golden of the Company of the Company of the Company Science, whereby he knows what Angales and then will do, Science, whereby he knows what Angales and then will do. in certain Cafes and certain Circumstances, if he refolve to bring them about. "Tis greatly disputed among the to bring them about. This greatly diffusted among the School Divines, whether or no there be fuch an intermediate Science in God; the Reason why some call it is question is, because it does not conflict well with their particular Schemes.

particular Scherzes.

Scharzes, in particularly ufed for a form'd Syftem of any Branch of Koowledge; comprehending the Declines, Rection and Theory, or the Thing; withing any firmer in the second of 
See the Exercic to time Worte.

Zee frest better hat all that as fall within the Compile of human Understanding, it prill, thirder the Name Lack frest better that all that as fall within the Compile of human Understanding, it prill, thirder the Name to the Compile of human Understanding, it prill, thirder the Name to the Compile of Compi

gaseledge, make no defpeable Part of their Convergels, upon, who word table a View of Human Knowledger in whole States of H. That form its felt, and most look of the properties of the properti

from another.

SCIENTFIO, founching relating to the pure, fablimer & Ciences; or, that abounds in Streene or Knowledge.

A Work, Method, & Sir, is faid to be Scientified, when it founded on the pure Reason of Things, & Sc. conducted wholly on Principles thereof. In which Senfe, the Word Hands oppoled to Narrative, Arbitrary, Opinion-

SILLA, or Squill, a Medicinal Plane, of the Onion-ion, but very large; which y brought from Spain: Used in Indiano, and that generally in Vingaga, which is renders Ernetic. There are two Kinds, Male and formulat it had are whitting, and the Fernal ceddith. Their Indiano, when boiled into the Confidence of a 

Andromachi.

SULOGRAPHX, the Profile, or Seltion of a Building,
to flicw the Infide thereof. See Section and Paopile.

Senocarphy, in Aftronomy, &c. is a Term Bome
Anchora wife for the Art of finding the Hoar of the Day
or Night, by the Shadow of the Suc, Moon, Stara, &c.

of Sugar, and the state of the on Sountest, to Interest South the Event of the Battle he was about to give, did it by Sciennessy. The Word is Brind from the Greek, sola, Shadow, afed metaphorically firthe Saul, and partiest, Divination. See Divination. SCIOPTRICK, a Sphere or Globe of Wood, with a circular Hole or Perforation wherein a Lens is placed: "Its circular Hole or Perforation wherein a Lens is placed: "Its

CHEMIA Hole OF PETIOTATION WINCHES A LEMB IS PLACE! "This fortied, that, like the Eye of an Animal, it may be turned bland every Way; to be used in making Experiments of the darken'd Rozen. See Camera Obscura. SCIRE-FACIUS, is a judicial Writ, most commonly to call a Man to show Cause to the Court whence it

to call a Man to thew Caufe to the Court whence it illnes, why Execution of a Judgment patfed, thould not be made out. This Writ is not granted, until a Year and a Day be chapted after a Judgment given: Sire-festis, upon a Pline, lies not but within the fame Time after the Fine levied, observeife it is the fame with the

Writ of Habere facias fe

site the Bire levich, otherwise is it the time with the SCALVONIC, the Language of the Solveni an Astrone Rende of Styrike Empfeys, who, show the Very Country of the Styrike Empfeys, who, show the Very Country of the State of Parlied and Mayorian, and at the State of Styrike and Mayorian, and at the State of 
into Essern and Western: In the latter whereof, were the Russess, Poler, Biebeniaus, Sc. And in the former, the Vandati. Dean. Many. Orbini Raugir, Abbot of Order of Matte, in an Indian Hillory of the Salari, in the Angelia of Matte, in an Indian Hillory of the Salari, in Order of Matts, in an Indian Hillory of the Salari, in-titled, It Regrou of gli Stavi, printed in 4601, will have them to be originally of Frieland in Sandanaras. Laur-Preserve, a Dalmatian, in an experts Diffountle on the Origin of the Salari, maintains them to be originally of Therata, and the few annual printed by the Salari, and Origin of the Scher, maintains them to be originally of Threats, and the time with the Threats, the Paleirer of Threat, Seventh Son of Tephen. These Project prices, or Threat Project prices, in a Greek, Lawin and Schener to Holmer, pointed at Myson in 1704, observe, That the Word Schener, whence Schemein is torred, fingslies in their Lapsings, Girry without great Pain, by seafine of blatt excellibe Lapsings.

without grant than he may to be opened once occapwithout grant than he may be refined of that the certific Deprofile's
SCLEROTICA, in Amounty, gir, one of the common
Marchael and the property of the common than the treat of the property of the common than the treat of the property of the common than the treat of the property of th

Heat and Golder.

SCOLOPOMACHAIRION, in Chirargety, a Riod of Scalpel, thus called, by the Greeks, from its recinoling at Wootneck's Bull. In Use is to open, and dilate, narrow Wounds of the Breath, Abfectles, Sc. Antiopomienter tenumenals it for Tapping in Droptica. The situally full-nithed with a little Button at the Point, that it may be used to open Wounds of the Besetil, without Danger of such to open Wounds of the Besetil, without Danger of

mithed with a little Barrios as the Point, that it may be used to open Wounds of the Bental, without Disapper of SO/OKUES are finall Form, built for Defence of finise Table, River, or other Place: Sometimes they are made to the Point River, and the West Point River River, and the West Point River River, and the West Point River River, and River Feet jist great once front 60 to 80 Peet Squire. The Frontilet Christ is the Thicknet and Helpin of the Break-Tomillet Christ is the Thicknet and Helpin of the Break-Tomillet Christ is the Thicknet and Helpin of the Break-Tomillet Christians are alterable, and uncertain, for fontesimes they are added in Approaches, and then the Widerica of the Head word, at the Detrum, may be 7 or 8 Feet, instead Helpin Christians and the Helpin of the Start, inseed Helpin Christians 22, and feet the Steper, to be wrought according to the Numer of the Earth, they town, and the Helpin of 7, 8, or 9 Feet, and to bake a or 3 Afforms to raifs to the Pamper; the Dirch may be a of 34 Feet wide, and 5 or 8 feet will can be a feet of 18, or 18 or

SCORDUTUS, curry, in Medicine, a Difesia very frequent in the Northern Committee, particularly in finance, and the Northern Committee, particularly in finance, and the Northern Committee, particularly in finance, and the Frestal Parts of the Body all as one. Hence plitting the Frestal Parts of the Body all as one. Hence plitting the Parts of Body and as one. Hence plitting the Parts of Body and as one. Hence plitting the Parts of Body and the Carlot Body and the Body and the Parts of Body and the Tarts, fillularly, and the Tarts, fillularly, Carlottee, and the Tarts, fillularly, Workfordt, Falmery, Tanas of the Atma and Leng, Workfordt, Falmery, Daniel and Carlottee, and the Carlottee an nie Casie is the firm in all, one seconding to Berdeter and Zoder, an ondirect Tension I you'll you'less express and Zoder, an ondirect Tension I you'll you'll work express and a second of the control of the Casie Ca Decoctions of China, Broths and other Arni-acids and Analepticks. Exampler makes the Bafa of the Cure of the Scarbutus and Hypochondriacal Differies the same, the Sovietists and Hypochoodnacia Disteiles the Same, vice, copious Vomming, Strong Catharrick, he obferen, we copious Vomming, Strong Catharrick, he obferen, to be full leyer topen. He adds, That Vinegar is harrid, and yet the Acid jacts of Froits and Vegetables, whole-foure. Accordingly the Ule of Lemon Juice is much recommended by Lifter. Milk, and all milky Things, while the Somnach is yet table to digeft, are excellent. So are Marrials. Emissing, included of Mercurials, ex-

commends Antimonials. Thus much in the general; for the particular Symptoms, particular Medicines adapted thereto, are to be ufed; only mixing Antiforbuticks tierete, ser as le stells deuy micing Annicondruich with from all with from all with the mil and Annicondruich are Norfer and Information and Annicondruich are proposed from Search Betrevburt, Sourcesers, Sew-hille, Zodor, Party Rydyely, Electropure, Griatom, Selfiffers, Multitadion, and Congrey, Lemons, Justice Retricts, Cenne of Turtur, Territoria Virincium, C. Proprincies, och to Original Drught of the whole Compuliation, wherein the ferval Brayes, and Conference 
The Stars in Scorpio, in Prolony's Catalogue are 20; in that of Trebo 10; in that of Mr. Flamflead 49: The Longitude, Latitudes, Magnitudes, &c. whereof, are as

Stars in the Confiellation Scoreso.

| Names and Situations of<br>the Stare. | 2.Longitude |    |    | Latitude. |    |    | Source |    |
|---------------------------------------|-------------|----|----|-----------|----|----|--------|----|
| 1Ac 03.071                            | 5           | 0  | ,  | "         | ۰  | ,  | 4      | 13 |
| In the first South Foot               | Βţ          | 26 | 48 | 50        | 5  | 26 | 22A    | 6  |
| Subleq. in the first Foot             |             | 27 | 18 | 68        | 4  | 54 | 12A    | 6  |
| Contiguous to this                    |             |    |    | 49        | 4  | 46 | 19A    | 7  |
| That preced. S. of Forehead           |             | 27 | 55 | 46        | 5  | 43 | 48A    | 6  |
| In third South Foot-                  |             | 28 | 48 | 52        | 8  | 33 | z5A    | 4  |
| - 50                                  |             |    |    |           |    |    |        | 1. |
| South of 3 in the Forebead            |             | 28 | 37 | 25        | 5  | 25 | 46A    | 3  |
| Middle of the Forehead                |             | 28 | 15 | 50        |    |    | 31A    | 3  |
| North of the Forehead                 |             |    |    | 56        | 1  | 03 | 09 B   | 2  |
| North of the contig. ones             |             |    |    | 45        |    |    | os B   | 5  |
| South SunderN.St.Forchead             |             | 29 | 32 | 09        | 0  | 05 | 56 B   | 5  |
| 10                                    |             |    |    |           | ١. |    |        | Ľ. |
|                                       |             |    |    | 13        |    |    | 40 B   | 6  |
| Preced, in the last S. Foot           | Ŧ           |    |    | 35        | 7. | 97 | 03A    | 6  |
| Contig. thereto Northward             |             |    |    | 59        |    |    | 22A    | 6  |
| Most N. following Forebead            |             |    |    | 11        |    |    | 50 B   | 4  |
| - 1                                   | DĮ.         | 28 | 19 | 54        | 12 | 29 | 24 B   | 6  |
|                                       |             |    |    |           |    |    |        |    |

- 10

|  | -         |           |     |
|--|-----------|-----------|-----|
| Names and Situations of St.                                  | Longitude | Latitude. | 8   |
| por stary.   | 0 / #     | 0 1. 11   | ä   |
|  | 29 23 11  | 9 15 16B  | 6   |
| Subfeq. in laft South Foot #                                 | 3 22 10   | 7 02 25A  | 6   |
| That over och. preced. Heart                                 | 3 07 35   |           | 65  |
| That preced. Heart Northwd.                                  | 3 29 34   | 3 59 04A  | 4   |
| To annual Trade CO I have                                    |           |           |     |
| In preced, Heel of Ophiuchus<br>Under the Sole of Ophi. Foot | 3 14 42   | 1 36 03 B | 3   |
| In Ophluchus's Leg   | 4 07 17   |           | 6   |
| Scorplen's Heart   | 5 36 O4   | 4 31 26A  | 5   |
| That over the Heart  | 5 25 12   |           | 5   |
| 25   | , -,      |           | ,   |
| In the Calf of Ophiu. Fore-leg 2                             | 4 21 27   |           | 5   |
| In the fore Ancle of Ophiu.                                  | 7 07 56   | 0 28 40 B | 5   |
| That follow, the Heart to S.                                 | 7 07 56   | 6 04 23A  | 4   |
| Fore-knee of Ophiuchus                                       | 4 54 28   | 4 29 18 B | 3   |
| Inform between Ophin. Legs                                   | 6 59 26   | 4 23 18 B | 6   |
| 30   | 9 12 54   | 2 of 10A  | 6   |
| In the 1st Ring of the Tall                                  | 11 02 22  | 11 39 47A | 3   |
| More N. and posterior to this                                | 12 22 01  | 10 29 f6A | 6   |
| Pofterior Knee of Ophiuchus                                  | 14 49 28  | 7 14 12 B |     |
|  | 15 23 22  |           | 3   |
| 35   |           | . 17.     |     |
| In Toc of Ophiu, hind Foot                                   | 15 43 28  | 3 24 16A  | ş   |
|  | 15 55 15  | 3 20 08A  | 6   |
| T 1 1 10 11 5 1F   | 16 12 46  | 3 29 391  | 67  |
| In back of Ophin, fecond Foot<br>In Tibis of Ophin, hind Leg | 16 06 17  | I 08 53A  | 6   |
| In 11078 of Opinia ning 1.cg                                 | 16 34 52  | 2 04 47 B | 4   |
| . 40   | 17 00 22  | 1 42 28A  | 67  |
| Bright Star of Ophiu. Foot                                   | 17 05 02  |           |     |
|  | 17 34 53  |           | 3   |
|  | 17 43 57  | 0 59 54A  | 7 . |
| Preced. in Ophiuchus's Heel                                  | 18 01 32  | 0 53 48A  | 5   |
| n. 45 c  |           |           |     |
| Preced. of 2 in the Stirtg                                   | 19 41 16  |           | 3 4 |
| Subfequent<br>Subfeq. In Ophiuchus's Heth                    | 20 15 12  | 13 44 16A | 2 3 |
| That foll Ophin. Foot, N. 2                                  | 19 09 46  | 0 28 18A  | 6   |
| That toth Oping. Foot, Iv. 4                                 | 20 46 23  | 1 28 55 B | 0   |

SCORFION, an ancient, military Engine, used chiefly in the Defence of Walls, 25c. called also Scorpio. Morticaliums deferibes the Scorpio, as constiling of two Beams bound together by Ropes. From the Middle of the Two, or fee a Third Beam; 60 disposed, as no be pull up and let down at Pleasure, and on the Top of this, were failtend. with its Hook, fet it at liberty; fo that hitting again the foft Hair-cloth, it flruck out the Stone with a vait Force. It had its Name Scorpio, because when the long Beam or Tillar was crecked, it had a sharp Top, in mamer of a Sting. The more modern Times have given it the Namo Onegar, Wild Afs, because that Animal, when hunted, back Stones

fliess back Stones. SCORIA, the Rectement or Drofs of any Metal, remaining after melting, or refining the faure. The Scoria of Iron, is the Scum taken from that Metal in Forget where its melted. See Scrux, Scoria of Iron, is also the fullymous Part of the Iron, which until my with the fullymous Part of the Iron, which until my with the fullymous Part of the Iron, and the together, those of the Iron, porous Maffes, refembling Spunges, frequently seen in e Smiths Forges.

SCOT or South, from the Saxon Steas, a Part or Portion : is a certain Cuftom or common Tallage, according to Raffal, made to the Use of the Sheriff or his Bailiffs; but now fignifies a customary Contribution laid upon all Subjects, figuifies a collemary Oceritation had upon all Smitch, according to that ribbility for whosers as affiliation according to that ribbility for whosers as affiliation of the collection of the co

Conveyon.

SCOTISTS, a Sect of School Divines and Philofophere, thus called from their Founder, T. Duns Status, an Irife Cardelier; who maintained the immunculate Conception of the Virgin; or, that the was born without Original Sin; in Opposition to Thomas Soptimiza and the Theosalfs. See THOSILTS. As to Failedophy, the See See THOSILTS. As to Failedophy, the See

this were, like the Thomifts, Periparcicles; only di-minguithed by this, That in each Being, as many different Qualities as it had, so many different Formalistics did they distinguish; all diffined from the Body Irielf; and making as it were, so many different Emission. aking, as it were, so many different Enrities: Only ose Metaphysical, and, as it were, superadded to the

those Metaphyncal, and, as it were, superadded to the Being. See Parintareryroxs.
SCOTOMY, in Medicine, a Dizziness, or Swimming in the Head, wherein the Animal Spirits are so whirl about, that external Objects seem to turn round. See

abet, the external Objecht form to turn road. So: VEX.125... CLEEN a soon Fariera, A Dilburge richtig, that the control of t

knows by the tharms, dividing and carling of the Hair such Spot.

SCRATCH-WORK, in *Indian, Scrootiti*, was a Way of Painting in Freiro, by preparing a black Ground, on which was laid a white Plaifler; which White being subten off with a Iron Bodkin, the Black appeard in rough the Holes, and fere if for Shadows. This kind of Work is

he Holes, and fervid for Shadows: This Kind of Work's hiding he bridge year rough, is supplicate to the Sight. SCREW, Cachine, in Mechanicks, one of the Five mechanical Powers: Chiefty dieft in perfiling or Superior Bolles (olds, though Sometimes Holes in rating Weights: The Govern is a right Cylinder, as AB, (71th Mechanicks; Fig. 1; ) farrow d Spital wife. This generated by the country of the Company of th squarey from r towards Qr. If the furrow'd Surface be convex, the Serve in faid to be Muley if concare, 'tis Fontale. Where Motion is ro be generated, the Mule and Fontale Serves are always jouched; that is, whenever the drew is to be utcle, as a fimple Engine, or mechanical Fourer. When ployed with an Axis in Peritorchio, there is no Occasion for a Fentale; but in that Cafe, it becomes part of a compound Engine.

### Delirine of the Schew.

19 II, is the Compati deferibed by the Fower in one Tuen of the Sivers, it to the Interval of Dillance between my two immediate in the Length of the Sivery for it (restituted according to the Length of the Sivery for it the Weight or Refittance to the Fower; then the Power and the Refittance will be equivalent one to the bother, and, confequently, the Power being a little increafed, will more the Refittance.

move the Refithince.

For '1st related, that in one Turn of the Strem, the
Weight is 6 much lifted up, or the Refithince to much
Weight is 6 much lifted up, or the Refithince to much
defer together, as is the Dilfunce between two immediate
Spirals, and in the fine Time, the Youer to be moved
to Smach, as in the Compain, deficiable by the fail of Youer
is one Turn of the Strem. Wherefore the Velocity of
in one Turn of the Strem. the Weight (or whattoever aniwers increed) will be to the Velocity of the Power, as is the faid Dillance between its Spirals to the Compaß deferibed by the Power, in see Kevolution or turning roand of the Screw So that the gaining in Power, is here treempenfed by the Loss in

2° As the Diffance between two Threads, B I, is lefs; the Power required to overcome the faid Refiftance is lefs; therefore the finer the Thread, the easier the

"If the Male Strew be turned in the Female, at reft, a 19 H the Male Strew be turned in the Female, as file Lever or Seyslas, BD (Fig. 17) is the longer.

4" The Diffuse of the lower from the Centre of the CD, the Diffuse of two Pitrack 11%, and the PCCD, the Diffuse of two Pitrack 11%, and the CD, the Seyslas of the Se to find the Power necessary to overco

us fid. her Power sceedilly to opercome to by the Radius Chellery to in Carlo Her Diffuse between the two Threads of the Power scene Diffuse between the two Threads of the griese Power: Or, to the Replicately july Board, and the given Power: Or, to the Replicately july Board, and the given Power: Or, to the Replicately july Board, and the given Power and the Reference Daffus of the Power scendilly with the Reference Daffus of the Refe

E.g. Suppose the Diffance between the two Threads, 3, the Diffance of the Power from the Centre of the &read D, 25, and the Power 30 Pounds; The Periphery of

the Circle to be definibed by the Power, will be found 257. Therefore, as 3, 157, 30, 1570, the Weight to which the Refiftance is equal.

431. Therefore, at 3, 157, 16 April, the Weight we wish the Refillace is equal, remove by a pinn Bower, which he had been a similar to the bound of the Bound

must be 40 Lines. must be 40 Lines.
Endels Sea sw. If a Serew be so fitted as to turn a
Wheel DF (Fig. 13) it is called an Endels, or perfected
Serews in regard it may be turned for ever, without coning at any End. From the Scheme, 'is evident cought
that while the Serew turns once round, the Wheel only
advances the Dittance of our Tooth.

### Dollrine of the Endleft Scanwi

1º If the Power applied to the Lever, or Handle of an End-12 If the Power applied to the Lever-orllandle of an Intelligible News A. B. be to the Weight, in a Ratio composed of the Bernhetry of the Asis of the Wheel E. H; to the Handley and of the Revolution of Rev

flow is a final i rower may raise a vait weight, by means of an Endsigh Sorrew. For this Realion, the great Ufe of the Endsigh Sorrew, is either where a great Weight is to be raised through a little Space; or, where a very flow, gentle Motion is required. On which Account the very useful in Clocks and Watches.

20 The Number of Teeth; the Diffrance of the Pow-er from the Centre of the Errew AB, the Radius of the Axis H F, and the Power, being given; To find the Weight

And H F, and he Poere, being given F being from the County of the Being F be

pears, that the Emission Server exceeds all others, in the creating the Force of Forcets of Pears and Pears and Pears are increased by Joseph Server and Pears and Pears are included by the Pears and Pears are increased by Joseph Server and Pears are increased by Joseph Server and Manaret as the figure 1 forcet as a the figure 1 forcet as the pear of the Pears and Pears are increased by Joseph Server above deficiled. This Clynific is inclined to the Server be turned about 1 for the June 1, against the Server be turned about 1 for the June 1, against the Server be turned about 1 for the June 1, against the strict of the Pears and Pears are increased as a server and pear and pears are increased as a server a

confidetable. The Decifions of these were received with the same Refrect as the Law of God irtielf. The second Kind, properly called Scribes of the People, were a Kind of blagistrates, among the Grock, as well as among the Grock, as well as among the Grock, as well as among the Grock, as the same of the God Control of the God Control of the God Control of the God Control of the Control of the West the Isali confidence of the God Control of the Go

Scrizz, Scribs, was also an Officer, among the Romans, who wrote Decrees, or Acts, and gave out Dispatches. Every Magistrate had his Scribs or Secre-Ditpatchet. Every Magistrate had his Service or Secretary, to that there were Service Elistini, Preventi, Service that there were Service Elistini, Preventi, Service the principal Clifforce of the Republick, anieth they recommended their Profession. In the Time of the Emperora, they were also called Noveri, because they made ut of Abbreviations, and floor Notes in Writing. Sec SCRIBINGS.

Norany.

SCRIBING, in Joinery, & A Term ufed, when one Side of a Piece of Stuff being to be fired to the Side of fome other Piece, which laft is not regular; to make the Two, then, join cloft together all the Way, they Scribt, thus: That is, they lay the Piece of Stuff to be Serviced color to the other Piece they intend to Scribts to. Sorried dude to the other freece they intend to Sorrie to, and one their Compiler to the greated Dalmane the two Frees any where thand from their them to the two frees any where thand from the white them to the two freeds and the two for the two their two days which is color plaint two draw a late to the Sorried to, with the color plaint two draws a late to the Sorried To, which is the Sorried To, the sorried to the Sorried To. The two freeds are the sorried to the sorried to the Sorried To. The sorried the Sorried To. The sorried to the Sorried To. The sorried to the Sorried To. The

SCROBICULUS COALIFS, the same serial representation with the confidence of the SCROPHULE, in Medicine, Schirrhous Tumours, artifug ufually about the Neck, and femerimes on other glandulous Parts, called also Strumes, and popularly the Keng's Full, or fimply, the Euil, See Evit. The Word is Latin, formed by Diminution, from Scrophes,

SCROTUM, or Services, in Anatomy, the common Captula or Membrane, wherein the Tellicles are contained; thus called from its trembling a Pouch or Parfect I nather called by the Ancients Service. The Surtrained, in me called from in refusabling a Foods, or Paris of Lexings, called by the America the Exercise whereif is only a Foodstillen of the Cartinda or Civils, which is however, the contraction of the Cartinda or Civils, which is however, the contraction of the Cartinda or Civils, which is however, the contraction of the Cartinda or Cartinda or Cartinda can't Cartinda or Leave and the Cartinda or Cartinda o SCROTUM CORDIS, the fame as Pericardium;

SCROWLS, in Architecture. See Volumes. SCRUPLE in Chronology. The Chaldes Scrupule is Fart of an Hour; called, by the Hebrews, Helakim. Thefe Scruples are much used by the Jews, Arabs, and

other Eaftern People. other Enitem People.

Schuples, in Altronomy. Scruples eclipted are that
Part of the Moons Diameters which enters the Shadow,
expressed in the same Measure wherein the apparent Diameter of the Moon is expressed. See Did'it.

Schuples of half Duration, are an Arch of the Moon's ameer of the Studies; expenses. See Shifty.

Officing which the Move Cunter deficition from the Beginning of the Ediph to its Middle, See Excress.

Selection of the Ediph to its Middle, See Excress.

Selection of the Ediph to its Middle, See Excress.

Selection of the Ediph to its Middle, See Excress.

See Studies of the Ediph, to the Time when its Centre of the Middle of the Ediph, to the Time when its Centre distribution of the Ediph, on See Inscressive of the Movel.

Ohls, which her Centre describes in the Time from the Ediph. See Tours are the Middle of the Middle of the Ediph of

SCRUTINY, in Antiquity, an Examination, or Pro-hation, performed in the lait Week of Zent, with segard to the Catechumens who were to receive Baptim on Enfer Day. The Scrutiny was practifed with a great many Ceremooies. Exorcifins and Prayers were made over the Heads of the Catechomens, Palms were given them on the Sanday, with the Lord's Prayer, and the Creed; which they were afterwards made to rehears. The Process was called Serutinium, Scrutiny; because The Process was called Sortitionus, Stratings, because heavy the Hearts of the Catechauser were formittee, or featured, that the Friefa might understand who were fire robe estimated to Daptien. This Cooline was most fire to be calmitteed to Daptien. This Cooline was most Though it appears, by fome Miffalls, to have been Blewine leid, hough much Barer, in the Gelliters Cluster, This Suppoid we have credit about the Year Soo.

Scrupping is also larde, in the Cason Laue, for a Ticket, as little Paper Bilds, wheetin, at Election, the Electron with the Aloxer printarily, for at it may not

be known for whom they vot

be known for whom they vote.

Among us, Serminy is chicfly ufed for a first Perufal, and Examination of the feveral Votes halkly taken at an Effection 3 in order to find our any Irregularities committed therein, by unqualified Voters, (E. SCULK, (antongth Hunters) is a Company; 28; A Srakk

of Force:
SCULPTURE, she Art of Carting, or Carring Wood,
Stone, or other Matter, to form various Figures tor
Repreferations; as allo of finhoning Wax, Earth,
Flailter, 5% to force as Models, of Moulds, for the Calfing of Ment Figures. Straighters; in the Lattuck, includes
both the Art of working in Creax, properly called Engraving, and of working in Relieve, which is what we Strictly call Sculpture. See ENGRAVING

Hrielly call Scripture. See Expensavino.

The Antiquity of this Art is part Doube; as the Sacred
Writings, the most succent and authentic Monuments
we have of the earlieft Ages, usention it in feveral Places:
Writing's Zabar's Islast fellor maway by Rachel, and the
Golden Calf which the Writing the up in the Defart, Efe. Bartin very difficult in die nie Criginal of the Art, sin he first Artisk, from prophene Arbitros, whit we read thereon, bedge (seemond with Falles, giver the Minner and Zhington, in the fill Solpher Other Ing.). The Art had in Origin in the life of Sourie, where me Henric Art had in Origin in the life of Sourie, where me Henric for Enhancest? Time: Tim shelde, The Henrichten, Parker of Tengins in Eller (fill brought is into Ball and Longerman, Or concluded Workshor herity, who communicated it thelpy to the Tylpor's passes, when her is that Tylpon's for Terminal, one of the med camera. But 'tis very difficult to fix the Original of the Art, and was afterwards cultivated with great Switch, They add, They add, They add of Towards, cost of the med curious among than, to Name, to make a Sauree of Joylone, General Control of the Con to the control and primary to the control, of Childhelm that fifth induced from to make them of Marles, and other more persons Stemes. Indeed, how rich force the Marce were, where they wought, yet they fill discount the control of long before.

Thisias of Albert, who came next, furpair'd all his Predeceffors, both in Marble, in Ivory and Metals: And about the fame Time, appeared feveral others, who carried Sculpture to the highest Perfection it ever arrived carried Salphore to the nighest refrection it ever attruct as a particularly Podiciter as Seyus, then Myrous Loft-polit, who have been a superior to the contract of the contract of the contract of the contract of the made their excellent Figures, now before the Pope's Palace as Mouremental's Britain, Timuthens and Lee-cherst, who, with Kopetas, wrought at the fauncual Comb of Mandhalt King of Carles Colfadorus, Causakus, Da-dalus, Burthalts, Hyerman, Diplomers, Theolarus, SecSCU U

arm, Filmmenden, Spraniene, Aniegans, who were
Lacen, via Algenter, Villywer, and Albenderry, and
Lacen, via Algenter, Villywer, and Albenderry, and
affaite others, the Names of four whereof have patfel
wells Fer though the Namber of States in Algegreat, and Indy, were fo immense, that in Reme slore,
perfect, yet we have been very five on one left, at least, very
for of the fineth. When Alberta Scarma was Eddie, his
the Palish Ripworgen, he adorned the fluidy Therrar,
which be recked, with 1900 Brann States; and
get Number out of Affait and Core, yet, there were
all alove 1900 to 1900 in Rhedet, as many at Albert,
is the Bigstel of the Figures, which the facility Therrar
lad the Courage to undertake. Armong those Lacudian
high; the Chipfie of Kabet, made by Gerre of Lymbia
her Disciple of Lympins, the Core of Lymbia
her Disciple of Lympins, the Core of Lymbia
arcticardians? Soe, being the Feet high Scalperry,
bowers, did not continue shower 150 Years, after 1911,
which the Core States are mod effected
for the Work; there is a fiecked Difference between
for the Work; there is a fiecked Difference between
for the Work; there is a fiecked Difference between
for the Work; there is a fiecked Difference between
for the Grow other and Albert when we were the
or perform forms other boddy Exercit, wherein the Vorin
orders are days then low the wave wet to ever
the rest of the process and the content are close or amond, and carnically have the (150 or,
which was the greated Mark of Honour amongst the
Toperform and them in the Work Scaleparre, there

Rement.

To perform any thing in the Way of Scalpture, they begin with making a Model of Earth, or Wax. For Eartheh Models, they uit best few infiltraments: Time Hands and Fingers do almost the Whole For Waxen Models, to a Found of Wax they per shall a Found of Colephony; fome add Turpentine, melting the Whole with Oil of Oiler 5 mone add a title Vermillon, or with Oil of Oiler 5 mone and of attrict Vermillon, or with Oil of Oiler 5 mone and of attrict Vermillon, or and models with the Fingers, this Earther Woodst.

#### SCULPTURE in Wood,

For Sulfstare in Wood, which we preperly call Carrieg, the first Thing required, is, to chale a Wood profess for the particular Kind of Word. If it be any pring large, and require a deal of Strength and Scidity, the bandest and most durable Wood is to be chofen, as Cale of Lineau Profess of the State of Strength and Scidity, the safety and require a deal of Strength and Scidity, the safety was at a state which would be sufficient to be chofen, as Cale of the safety was at a state word are very band, for se Chefinit. For imager works they use rear-tree, and ferruse-tree; but as thefe Woods are very hard, for little delicate Works they use fofter Woods, only clofe, and of a face Grain: Such is the Linden-tree, which the Chiffel is found to cut more easily, and cleanly, than any

wher Wood.

As to Statues, we find the Ancients have made them for almost all Kinds of Wood. At Skywe was an Image of Apalo in Box; at Epicifus, that of Diana was in Codar. As these two Kinds of Wood are very hard, Eddir. As these two Kinds of Wood are very hard, and even held incorruptible, effectailly Cedar; ¿Phiny observes, they were judged particularly expedient for Representations of the Detties. In a Temple, on Mount Splleum, dedicated to Merzory, was an Image of that God form'd of the Wood of the Lemos-Tree: Others were of the Palm-Tree Others were of the Palm-Tree Others. eren of the Vine.

tem of the Vise. For large Works, if it be only fingle Figures, 'tis better they conflit of feveral Pieces, than of a fingle one, by reach of the Liableneth of the latter to warp, for every large Piece may probably not be dried to the Heath, however it may appear without Side. Observe, that the Wood will not be fir for working, till after it have been out at least ten Years.

#### Sculptung in Marble, and other Stones.

The first Thing they do, is out of a great Block of Mathie to faw another of the Size required, which is flow most with a finosh freet loss without Techt, cather when the size of the siz

Inframers, having two Nordes in its Edge, or three forms, and the contract of 
the Modding of Satters, See, of Sitters, Vanper, on-See Struer.

SCUIA, a light Externant, a rifing from Linguages when SCUIA, a light Externant, a rifing from Linguages when We of it also used of Zens, on Prov. See Factors. The Word is also used to the Satters; and also, for those by boiling cuts up to the Satters; and also, for those to boiling cuts up to the Satters; and also, for those See Lata Satters of Linguages.

See Lata Satters of Linguages of Linguages of Silver, See Littlander.

# Scum of Nitre, } See & SALT-PETRE, Scum of Salt,

SCURVY, in Medicine, a Difense called by the Phy-

SCULIVI, in Medicine, a Distate called by the Physicians Scotterine. Not Science with the Medicine Science of the Science Science of the Peter's Academy, Mr. Fampare, in the Memors of the Peter's Academy, Mr. Fampare, in the Memors of Paris in the Year 1699. The Symptoms and General Philary of a particular kind of Science of the Symptoms and General Philary of Science of the Symptoms and General Philary of the Symptoms and Control of the Symptoms and Peter 18 and 18

"A CANTILLAGO, in Antonom, and the Carpet in the Carpet, the broade, and sligger of them all. Thus called, became in Form of a Shinkle, and sligger of them all. Thus called, became in Form of a Shinkle, and sligger of them all. Thus called, became in Form of a Shinkle, and the Carpet of the Carp SCUTTFORMIS CARTILAGO, in Anatomy, one

have Gratings over them, and all of them have Covers

to them, that Men may not tumble in, in the Night. Alio, those little Windows, and long Holes, which are cut out in Cabins to let in Light, are called Scattles.

In casins to let in Light, are caused Scattlet.

SYCRE GEMOT, in ancient Cultums, a Court held twice every Year (as the Sheriffs Turn is at this Day) by the Billiop- of the Diocots, and the Earlstonmen (in Shires communed to Eletormon) or Sheriff in those communed to Eletormon or Sheriff in those committed to therefor, the resemble control of the Shires. mitted to sheriffs, that were immediately under the King. In this Court both the Ecclefiaftical and Temporal Laws were given in Charge to the County: At first it was held thrice every Kerr. Edward the Confesor, appointed it to be held twelve Times in the Xear. See Consistance.

\*\*XON.\*\*
SCYTALA, in Mechanicks, a Term fome Writers use for a Kind of Radius, or Spoke, standing out from the Axis of a Machine, as a Hundle or Lever, to turn it round and work it by. See Axis in \*\*Peritrockée\*\*.

the Axis of a Machine, as a Hundle or Lever, to turn it moud and work it by, See Axis in Perimetics. SCITIALA LAGONICA, as sharper in Perimetics. SCITIALA LAGONICA, as sharper in the state of Letters to their Corresponding for factor writ-ting of Letters to their Corresponding to the side to read term. To this Led they had two considerable to the state of where the state of the Roller, and decross was the Matter wrock; which door, was taken off, and first away to the Furry who, upon parting it in the time nancer upon the Roller of the when the west first work. This Royelins has a when they were first work. This Royelins has a when they were first work. This Royelins they for a very high Value on, though, in Trash, artlefs, and good scough: The Moderns have improved wally to this Sch. in Geography, is frequently safed for that valt Trash of Water incompiling the whole Earth, more properly called Octon. See Ocaan. For the Casify it to Salongi of the Sea. See Saxx-

As in one open-yell of for a particular Part or Di-Nai, in most peoply self for a particular Part or Di-vision of the Goise, decominated from the Countries it washes, or other Countries of the Ref Soc, Soc. Till the Time of the Empirer Sphinism, the Soc was common, and open, and Men Wheele it is, that the common and open, and Men Wheele it is, that the common and open and the countries of the final period, and the side of the Navigation, of the Particular of the Countries of the Countries of the Particular of Fifting before their rejective Terrin-ties, exclude of all caters. He even per a particular Committies to certain before, to direct the Experience of the Countries of the Countries of the Countries of the Particular of the Countries of the Countries of the Countries of Particular Open Countries of the Countries of the Countries of Particular Open Countries of the Countr Sighpara among them. From that Time the Soversign Times these been exclusivening to appropriate the dis, and so withdraw it from the Falket Uh. The Republic them is a formed that the second of the second that there is a formed that among every target, between that Soggaver and the Admirate. In their last flags, the Leg-oph have puriously askeded the Impure of the dor in the Times Kingdoms of England, Southerd, and Printer, in Confequence of the Source of the Southern Southern and that as fit as the Shower of the neighboring States, in Confequence of the Southern Southern Southern Southern much as if from a Capital Greated. The Spillager, as much as if from a Capital Greated. The Spillager, as much as if from a Capital Greated. The Spillager, as

Sea-Airoldee, Sea-Coortoff, Sea-Lout, Sea-Lout, Sea-Lout, Sea-Suadrout, SEA-Quairons,

SEA-DRAGS, among Mariners, are fuch Things as hang over the Ship at Sea, as the Boat, Sic. when

SEAWATER. To mike Sto-mear facet, or fresh, is a Timig long and much sunce, for the Advantage is a Timig long and much sunce, for the Advantage is a Timig long and much sunce, for the Advantage is a timing the search of the Seaward 
[ 38 ]

Filtration, to correla interriety be Multiplety of the Water,
The Filtration is performed by a specular Earth, must
The Filtration is performed by a specular Earth, must
form the performance of the perfo

Water from the Sea. See WATER.

Mr. Boyle relates, from fonce Experiments he procared to be made of the Gravity of Sea water, in difficent Climates, that fill, as you approach nearer the Equator, the Su-tester is heavier and heavier, as far as
within 30 Degrees thereof, after which it continues much

within 30 Digrees thereth, after which it continues many \$8.83,3.70 KB, when the 6a is 16 rough, but the High, cannot be governed by the Hands, the Scannor makes and \$2.84 to Meet by 10 that 16, they fix we like high the the High at the they in the thing with the High at the High at the they in Hands and the Hands and 
ally field fet to Grans that "we to pile the Gran-Sch." The Use of Sept 1 and ancient Authors, were first interest by the Londonsea, who, not come to first their Chelst, Armoure, Sie first, made as to the three Chelst, Armoure, Sie first, made as of Womencam Wood, the Imperlians of Womencam Wood, the Imperlians of which they not in the farse Monter. This chapter of the Chelst of the Ch to flates whereoff we know in the Third Book or Kers S. Highe with in Z. Omptible. Higher is lik. I figure. Core. Bio. 1, Tour lik. while zero, it is above use freeze Core. Bio. 1, Tour lik. while zero, it is above use freeze the Third Core. Bio. 1, Tour like a superior of the Periodes, thereby appending him his Societies. Pilot of the Core. I was a superior of the Core. I was a sup where but in the Remain Empire. A Remay Is tell us they were become of abilities Neverlity, informa-tion of the Core. I was a superior of the core. I was that the Zonter I had say finish Things as public bodies that the Zonter I had say finish Things as public bodies. Collons accively very, induced of lighting their library care in the Times of the Empirem. In France, the Collons accively very, induced of lighting their library care in the Times of the Empirem. In France, the Collons accively very, induced of lighting their library care in the Times of the Empirem. In France, the Collons accively very, induced of lighting their library care in the Times of the Empirem. In France, the Collons accively very in the Collons of the Section of the Collons care in the Times of the Empirem. In France, the Collons accively very in the Collons of the Section of the Collons care in the Times of the Collons of the nnes ante to write; no Body coald read and artic but Clerk, in Pagland, the first fested Charcer we find extant, is that of Lebend the Confess, apon his Found-ing of Welfminster Abbey; Yet, we read of Seed in the MS. Hilbory of King Offs. Before the Time of William the Conqueror, the English did not feal with Max, but only made a Golden Cross- on the Parchment, and fonce-ment. size an Ingerefine on a Fires of Lead, which have been come and the Crans with a Shine Arring, and was dermed an instrument of the Crans with a Shine Arring, and when the Signing of Wiregelfer. He Colour of the Was herewith the Kings of Wiregelfer. He Colour of the Was herewith the Kings of the Colour of the Was herewith the Kings at the Alt continued hat even field, and of Force. The dutal Imperition or all Laymons Solei, and the Near 1245 agreement of the Colour Shine 
The Emperors long lealed all their Acts of Importance with a Golden Seal; and the Golden Bull of Charles IV,

The Engeness long iselade all their Altr of Importance for the Eithers of an Emperor, takes in Name House for the Gdd and Janging to it, which a solled 2004. See Bert. Of the State of the Some of such reads of the such reads of the such reads of Audient's Scientific Conference of Audient fic Conference of Audien ture of Emperors, Kings, Ghantellors, Secretaries, an Notaries, all in the fame Order and Method. The Bool was Printed in 1642. at Novembergh, in 410, under the Title of De Sigilloum Prime & Nove Jure, Trallatus Prolificus, &c. We have another Work of the like Kind, Tute of De Siguistum Prima S Novo yare, tractain Predient, Sc. We have another Work of the like Kind, by Heineujus, in Folio, Printed at Franciers, and Leipfic, in 1709, under the Title, De Veterbus Germauwum aistramay, Patienma Sigillis, corunng, ufu & profunita Symogma Historium. entagma Historicum. Engraving of Seals. See Engraving.

Seal is also used for the Wax or Lead, and the Impetition affixed to the Thing feated. The Manufacharers Alog frequently apply to their Statif, Cg., is of Lead. That of Knights enjoyed to be of band Wax; have of Commissioners, of fost Wax. Some Sould are fixed on by way of Placard, others hang by Silken Strings. The Praced feat the talkin in Green Wax, Expeditions for Manyfatter in Red Wax. The Statin of the Wax and the Statin of the Parch Anadamy are facted in Bise Wax.

See Wax.

BEALER, an Officer in Chancery, appointed by the Lord Chanceller, or Keeper of the Graza-Scal, to feal between the Wilst and Informerise there made the Wilst and Information there made of the Graza-Scal, the Graza-Scal, and John Standard, and Jo

SEARCE, See Sieve. SEARCHER, See ALNEGAR.

SEL COTH, so Cornected, in Chimpson, an ex-ternal Reasoly femowhat harder thro an Ungorou, yet-forter than an Emphalitest jushing his forecastly utiled, for the contraction of the Cornection of the Cornection of the profest to have been described in Empha-poide to have an extended to the Cornection of the profest to have been described in the contraction of the profest to the contraction of the contraction of the con-putation of the contraction of the contraction of the production of the contraction of the contraction of the production of the contraction of the contraction of the production of the contraction of the contraction of the cornection of cornection, and to be desired engineally from the Corte layer [19]. See True 18. Szanoszacca, in the Will delete, and of a patch in Difference, which Foreignen are much fully the out-ton contraction.

first coming.

BEASONS, in Cofmography, certain Perions or Quattens of the Year, disingualfied by the Signs the San excess, or
to the there of the Africade of the San confequence
which, are different Temperatures of the Air, different
which, are different Temperatures of the Air, different
makes, are different Temperatures of the Air, different
makes, are different Temperatures, and Winters
The Deginning and Endings of each whereof, for under
its proper Arrice. Tim to be differently they are
articularly began differently from what they now do:
Winters the all Verlies,

Dat Clemens Hyemem ; dat Petrus Ver Cathedratus ; Æftuat Urbanus ; Autumnat Bartholomaus.

The Word is form'd on the French, Saifon, which Monage derives from the Latin, Statio, whence the Italians have form'd Stagione. Nacad derives it from Satio, Tempus

Allouge divines tenem the Latins, Sealin, wienese the Billitate many, tampine Allouge divines the most, Tampine Allouge, and Allouge and A Composition of the Missian. The first and Chief of the Solverie, was R. Pid, who began to reach in the Year ply of the Eur of Concessity which, according to the Eur of Concessity which, according to the European Concession of the Concession of the President of the Perside Academy. This Eur of Con-recteds is the fines win that of the Solvestieth, the plyth confequence, is the Eur of the Origin of the Missian theory of the European Confequence, is the European Confequence, is the European Confequence, in the European Confequence, is the European Confequence, in the European Confequence, in the European Confequence, is the European Confequence, in the European Confequence, in the European Confequence, in the European Confequence of the Conference of Control of C the Gagus or Gegan

lad of them was R. Simons. They were face-exceld by a Salasary T.M. or Schollen, in Fatura, gife. a Fauit refinishing a little Flumby with when rips, is of a few pred Claus, beating on Blast yet, yet lear, and deep red Claus, beating on Blast yet, yet lear, and make a kind of Clae or Bindline, of the Scholme, called of phenometra. The Fauta scheened fellowing beating and the second form of the second fellow of the second fell

and H bisfuntide. Yet Scaliger, in his Answer to Serrerius, gives a different Explication. In effect, all that has higherto been advanced on this Point, is more Conjec-

sursen man too later come on, each planned, through the Corner MA, it is greated, and from the Corner MA (Corner MA), it is greated, and from the Corner MA (MA) and the Corner MA (MA) and the Corner MA (MA) and 
The Since of an Arch AD, being given; To find the Secast thereof FC, the Rule is, As the Co fine ADC is to the Sinc AD, to is the whole Sine EC, to the Secast

To find the Logarithm of the Scentz of any Arch:
The Sine of the Complement of the Arch being given a
multiply the whole Sine of the Logarithm by Two, and
from the Product fisheract the Logarithm of the Sine
Complement, the Reminder is the Logarithm of the
Scenus. See LOGARITHM.

Line of SECANTS. See SECTOR.

SECOND in Anatomy. See Secundi Generis. SECOND in Geometry, Aftrocomy, See, the Sixtieth Part of a Prime or Minute; either in the Division of Circles, or in the Mediture of Time, ADegree, or an Hour, are each divided into 60 Minutes, marked thus ': A Minute such divided into 60 Minutes, marked thus; 7 a Minutes is bubbirded no 60 Second, marked thus; 8 A Second into 60 Thards, marked thus; 8 Co. Sec Decease. We concurse for a second for the first 
Hist of Peter Medice, to Exply Meature. See Practices, and the Peter Medice, to Get the unified Internals; proceedings of the Dilasce between any Sound, and the being coly the Dilasce between any Sound, and the mean assent Bound where higher to peter. See its TRANA. As in the Comparison of the Control of the TRANA. As in the Comparison of the Control of the TRANA. As in the Comparison of the Control of the C minor Semitone. SECOND Terms, in Algebra, those where the un-known Quantity has a Degree less than it has in the Term where 'tis rais'd to the highest. The Art of throw-

ing thefe Second Terms out of an Equation; that is, of ing thefe Second Terms out of an Equation; that is, of forming a new Equation, where they have no Place, is one of the most ingenious and useful Inventions in all Algebra. See Reduction of Equations.

Second Experim, is a reform'd Captain, who acts as Licatenant of another, into whose Company he is In-

corporated. See CAPTAIN.

SECOND Coufe. See Cause; and Eppicient.

SECOND Carge. See Covery and Devictors.

SECOND Sight, an odd Qualification, many of the Inhabitants of the Wellern Islands of Scotland are faid to be pestered at the Large of the Large o

Disch, and Membes of the Rayed Society) that, susceptibilities, and Membes of the Rayed Society) that, susceptibilities, and the Qualification of the Ching, there is facer Room could in the Quident. The density of the Part of the Ching there is facer Room could in the Quident. The density of the Part of the Rayed Society of the Ching of the Rayed Society of the Ching of the Rayed Society of the Rayed Soci Iffands, and a Member of the Royal Society) that, not with

Seconnary From, is that which arifes after a Cofin, or the Dicharge of form morbid Matter, as after the Cofin or the Dicharge of form morbid Matter, as after the Cofin of the

SATELLITES. The Earth with one called the Moon.

SATELIVEE. The Earth with one called the Mone See Moons. On the Orlinoury Planutt, is very timple and was the property of the Control of the Control of the Control of suffice, as being compounded only of a Projechle Goisson forward in a right Line, which it at Pageont to the Orbit, and a Gravitation towards the Sun at the Centre, Add, That being at fish wat Dillance from each other, the Effects of their mutual Gravitation towards one amount the earth of the Control of th the Efficie of their musual Gravitation nounch on em-terior are indealistic. The hard kneet is a few observation, in the content of the content of the content of the content of the thought is chiefly gravitate towards in religibility or you, as a consult in Courte, yet a could Diffuse to you will be content of the content of the content of the content of the learned Gravity, as the primary One is towards that only greaters from which double Teachery towards the Sun-greaters from which double Teachery to be mighingly compounded, and affected, with many Inequalities at the foreign of the Sun-term of the third that the sun-wish the Sun, to the next following Conjunction to Op-phica has been converged to the third that the Courte of the Sun-toward that the Deliver of their Sun-term of the Sun-term of Sun-t of the Oblit more Redilliotax, and therefore the Satislite will non further from its Primary Hance at the Quadra-tures, than at the Syraygies, for has the Oblit will be a little elliptical, having the primary Hance for its Courte, and the longer Diameter will coincide with the Line of the Quadratures, and the floorer with than of the Syr-gies Which Irregularities will arise, if the San's Power of perarbing the Motion of the Satislite See cluded, and the Oblit be concentric with that of the Primary

Primary Planets. For if the Orbit be eccentrical; it may happen that the Satellite shall be farther off from the primary Plates. For if the Orbit be eccurriced, it may approve that the Gardin's final the Interest of from the Interest of from the Interest of from the Interest of Interest and from the Time of the Nodes being in the Sysygies, on the Quadrature, it will be always decreasing, and from the Time of their being in the Quadratures to the Sysygies, is will be always increasing, and all those Irregularines, whether in any excentrick or concentrick Orbit, will al-ways be fomething greater, when the Smellite it in Con-junction with the Sun, than when he is in Opposition

schelter in any eccentricle or concentricle Orici, will alwith be functioning greater, when the confinite in to Conshims for PLANET.

SECRETARY, and Office, who, by Order of his
Miller, write Letters, Diffauthes, and other Interments,
which he reader, Andersele by his Signature, Of the disMiller, write Letters, Diffauthes, and other Interments,
which he reader, Andersele by his Signature, Of the disMiller, write Letters, Diffauthes, and other Interments,
which he reader, Andersele by his Signature, Of the disMiller, write Letters, Diffauthes, and other Interments,
which he reader has the signature of the ConMiller, Secretary of the Lart Chamedler's Sovieties' of
Res. Car. The King A Sovieties were asserted visible
order, it was as first applied to fisch as being always near
the King's Fories, received his Commands, and were called
order, it was as first applied to fisch as being always near
the King's Fories, the Capility of Secretaries, in old who
ward Societies', Reg of Fories' is And as the great Lords
pore to their Clears to Capility of Secretaries, in the Miller
of the Constances, Reg of Americans, and were called
word Societies' of the Commands; Reg of Mindelati. This conintend till the Region of our Henry VIII. 1657p, when all
did the Region of the Henry VIII. 165p, when all
did the Region of King Henry VIII. there was only one
Secretary of King Henry VIII. there was only one
Secretary of King Henry VIII. there was only one
Secretary of King Henry VIII. there was only one
Secretary of King Henry VIII. there was only one
Secretary of King Henry VIII. there was only one
Secretary of King Henry VIII. there was only one
Secretary of King Henry VIII. there was only one
Secretary of King Henry VIII. there was only one
Secretary of King Henry VIII. there was only one
Secretary of King Henry VIII. there was only one
Secretary of King Henry VIII. there was only one
Secretary of King Henry VIII. there was only one
Secretary of King Henry VIII. there was only one
of the Henry of King Henry VIII. there several Princes and States comprehensed in his frovince: Which Division Bill fiability, nowinthanding the Addition of a Third Screenary. Iroland and the Plantations are under the Direction of the Elder Screenary, who has the Sunkin Province. Of thefe Three Principal Screenary, the Two for South Britain, have each Two Understreams, the Two for South Britain, have each Two Understreams, and one chief Clerky and the other for North

Britain one Under Recetary, and one chief Clerk, with an uncertain Number of other Clerks and Translators, all wholly depending of them.

wholly depending of them.

The Stenspars is of State have the Caltody of that
Scal, properly called the Square (See Signs RT) and the
Direction of the Square (See Signs RT) and the
Direction of the Square (See, wherein are Four Clear
employd, who prepare fach Things as are to pafs the
Square, in order to the Privy or Great Scal. All Grams
ingued by the King are returned Great Americal Call
good by the King are returned three, which, transferb dy signed by the King are returned nither, which, transcisted, are actuared to now of the Paringal Socreties of States, and are carried to now for the Paringal Socreties of States, and to the Leed Prity Steal, are in Warran, Cong directed to the Leed Prity Steal, are in Warran, Cong directed to the Leed Prity Steal, are in Warran, Cong directed to the Leed Prity Steal, are in Warran, Cong directed Cong, called State Steal Congress of States, in Warran, Cong Cong Cong, Warran, Cong Cong, Cong Cong, Warran, Cong, Co

to the Under-ALERES.

SECRETARY of an Embaffy, is a Person attending an Embaffador, for the writing of Dispatches relating to the Negotiation. There is a deal of Difference between the Secretary of the Embaffy, and the Ambaffador's Secretary is the last is a Donethick or Menial of the Ambaffador's present the last is a Donethick or Menial of the Ambaffador's control of the Course of Ministers of the Prince Sec. Examples. the late is a Domettick or mental of the Ambahador; the first a Servant or Minister of the Prince. See Embassadors. SECRETION, in Medicine, the Act, whereby the feveral Juices, or Humours in the Animal Body, are separated from the Blood, by means of the Glands.

In the Bodies of Animals, we observe a great Number

In the Border of Animals, we observe accounts bounded of Junes of different Numers, either his Bond, Lymphs, Saders, Monach, Lingew, Junelland Janes, Pancherent and Saders, Monach, Lingew, Junelland Janes, Pancherent and Saders and Junel and June exceeding Smallness of these Organs prevented any regular Search, they have imagined various Manners of explain-

ing them, Some, full of the Effects they have observed from Fer-Some, full of the Effects they have oblived from Far-mentions, mixing, that there are Former in the fever of mentions, mixing, that there are Former in the fived in the Block, are figured, extrained for formed some of the Block, are figured, extrained from off Some. But the Block, are figured, extrained from off Some. But the Block of the Block block of the Block of the Block of the Block block of the Block block of the Block of the Block of the Block block of the position between the Block of the Block of the Block block of the Block block of the Block of the Block block of the Blo portion between the Diameters of the Fores and or too Molecules that were to pass through them, to account why very fubile Farts should past through the Glands, through which the Coarfer could not pass. Yet this Opposition was not found perfectly staisafteey: For on this Supposition, the most such is Farts of the Blood multi pass in the Coarfer when the Jarosett Fores, that there would ortion between the Diameters of the Pores and of the pointion, the most fubrile Parts of the Blood must past in fuch Quantity through the largest Fores, that there would not be enough left to furnish the little ones with what they needed: And for the fame Reafon, those Parts whose Porest are bigget, ought to furnish Liquors much fuller of fubrile Parts than those whose Fores are smaller, which yet it contrary to Experience. For the Sending Institute of notine Taris than those whose Pores are smaller, which yet is contrary to Experience. For the Sectify separated in the Kidneys, under the Name of Urine, consists of Paramed funder and smaller than the Bile Separated in the Liver: Why then don't this Scrostry claye in the Liver: the Pores whereof mad be much greater than those of the Kidneys. See Bile.

the Kidneys. Sce Briz.
This Inconvenience, many Naturalists being, aware of, has made them have recourse to finishing (if the Word may be allowed us for want of a better). They maintain, then, That besides the different Diameters of the Fores, its required that the several Fatts be already imbord or moilten'd with a Liquor like to that they are to filter. This Opinion is rather the Recital of Resion than of Experience. riment, and the Maintainers hereof, well pleas'd they be fomething to fatisfy their Reason withal, never troub themselves whether it were true : Till M. Winspow fell in.

Dr. Keil, whole Theory prevails must in Englesia, accounts for decrease, from the different Diameter day.

Learn Angles the Duble make with the Aurents, and the different Arraction of the different Party, under all the different Arraction of the different Party, under all the different Arraction of the different Party, under all the different Arraction of the different Party, under all the different Party and Longister and the Aurents, and the different Party and Longister and Table 2000, and the different Party and Longister an

the Mind can scarce fafely acquiestee in it.

Monf. Winstern, of the Royal Academy of Sciences, has taken a better Course for the Discovery of this important Action of Streview. He does not take p with conjectural Action of Streview. He does not take p with conjectural Principles, nor draw a plantible Scheme of Reaforing therefrom through the Dark; but applies himstiff to Experiment, and investigates, in Nature herfelf, and the Struckare of the Parts, the Manner Streview is performed in. From a Britis Examination of the feveral Kinds of Glands, both Man and Streview is performed for the Struckare. a first Examination of the feveral Kinds of Glands, both in Men and other Animals, he finds, with force other Antennish, that the Clauds are only Petersons or Persays of Veffels's but the Vedfels' proper to the Gland, and which conditions the principal Fart thereof, M. Winghow first disference for Flucks, furnification, on the falled, with a kind of Dones or Tuft, or rather a very fine, Prosequest Tuffee, which falls the whole Cavity of the Neville Hard a Pith or Marrow. This be finds in all Glassian, of all Animals; I additional Clauds, with Sound and Commission of the Control of the Neville Hard and Charles of the Neville Hard and Neville Hard and Charles of the Neville Hard and Ne Colours, and this different Colour is even found in the different Glands of Fœtus's themselves.

Colours, and this different Colour is even found in the different Clands of Pecual themselves. Pert 7, a Composed of their 6 dewny'es [neargown Velfich, which, form heir Office, we will ad Neerway Pigline 2 Deedl, and which office, and the State of Pecual themselves and the State of State o rown Paper, or a Cotton-wick; only differently disposed. his Tissue, then, having once imbibed a certain Juice, will This Tiffue, then, hav

home I spor, or a Cornomics, only differently dispords. The Thirt. Thire, they having once imblock acresis plate, will not be tax in yor for the Linguas which service are the Ordica or thir Thire. Once, and the Linguas which service are the Ordica or thir Thire. Once, in challenge the the grant Principle of Attractions, which is found through the the grant Principle of Attraction, which is found through the theory of the third that the same parties are the time Floid. Attraction, which is found through the third that the same parties are the time Floid. Attraction, the time I should be the third that the same parties are the time I should be the I sho

come to be feparated in the Liver, for the first Time, preferably to any other Liquee? To this M. Winghou amount, That having obleved the Glands of the insulest highly probable they had been imbacd with the Farman of the work of the control of th

mal g on the fame time when he fold Drave of the Co. SCAT, 1 coldified Fam. Comprehensing off facility and Conference of Common of Commo

SECTION, a Part of a Thing divided; or the Division infelf: Such, particularly, are the Sub-divisions of Chapters, by others called Articles. The Mark of a Section is 6. The Ancients difregarded the Dividing of their Books into Chapters and Sellions; that was a Task left for future Editors, and Criticks. The Word is form'd from the Latin, Jeco, Lett.

SECTION of a Building, is its Profile; or a Delineation of its Heights and Depths raifed on the Plan; as if the Fabrick was cut afunder, to different the Infide. See

PROFILE. Horizontal Section. See Ichnography

Hartzantal SECTION. See ICHNOGRAPHY.
SECTION, in Geometry, a Side or Surface appearing of
a Body, or Figure cut by another; or the Flace wherein
Lines, Flants, ide. cut each other. The common Selfler
of two Flants is always a right Line, being the Line Epuposed to be drawn by the one Plane in its cutting or enterpoint to be drawn by the one Finne in its cutting of enter-ing the other. See Plane. If a Sphere be cut in any manner, the Plane of the Section will be a Circle, whole Centre is in the Diameter of the Sphere. See Sphere. The Sellient of the Come are Four, viz. a Circle, Parabole, Hyperbole and Ellipsi. See each under its proper Ar-

Hyperiode and Elliffin. See each under its proper Asticle. See allo Corne.
Control Services. Control Services.
Control Services. See Control Services.
SECTIONES SEQUENTES, in Conics, a Term,
whole Impart may be thus conceived: Suppose Two
Right Lines, as AB, CD (TM). Conics is Fig. 2) manually
interfeding one another in E, which Young, is fulally interfeding one another in E, which Young, is fulself-tone and the Conics of the Conics of the Conics
of Conics Fig. 41, and whole for popular Hyperiods
collines, F.G. Hi, and whole for morphism Hyperiods
of Conics of Conics of Conics of Conics
of Conics
of Conics of Conics of Conics of Conics
of Conics of Conics of Conics of Conics of Conics
of Conics of Conics of Conics of Conics
of Conics of Conics of Conics of Conics of Conics
of Conics of Conics of Conics of Conics of Conics
of Conics of Con proposed Line A B, C D allo see. In this particular Line to define OF a HI I, an called deliver Spannin, because they are plant following one another in the continuous proposed to the continuous proposed proposed angles of the orientificing, highly Lines: a had supposed to the continuous Dominuter of in speptical perception and Dominuter of in speptical perception and Dominuter of in speptical perception and Dominuter of its speptical perception. The proposed is the special perception of the special percept

is a Sector of the Circle

"Tis demonstrated by Geometricians, that the Selfer of a Circle, as ACD, is equal to a Triangle, whose Base is the Arch AD, and its Aleitude the Radius AC.

the Arch A D., and its Altitude the Radius A C.
If from the common Centre of Two Concentric Circles,
be drawn Two Radii, to the Periphery of the Outer, the
Two Arches included between the Radii, will have the
Two Arches included between the Radii, will have the
fame Ratis to the Peripheries 3 and the Two Sectors, the
fame Ratio to the Areas of their Circles.

fame Batte to the Areas of this Circle.

To find the Area of a 30ftr DC 5, the Radian of the Circle CD, and the Area DE being given: To so the Area of the Circle CD, and the Area DE being given: To so the Area of the Circle CD, and the Area DE being given Area of the Circle CD, and the Some-perspect of the Area Area of the Area of the Circle Control of the Area of

The great Alexange of the Solfer above the consequence of the Solfer above the Solfer

#### Description of the Sucron.

The Barr conflict of two cogain Roles or Legs of Bank or according to the commercial on the contribution, restored to provide the contribution of the commercial on the contribution of the following are placed (versa) Lines (1, 19, 19) and the following are placed (versa) Lines (1, 19, 19) and the contribution of the contribu The Seller confilts of two equal Rules or Legs of Brais or sews, marked of one shalleng is divided after the usual Huncet, and nembered 10, 200, 50, 50, 60. See Chron. The Live of Store, denoted on each Leg by the Letter S, is a line of Natural Sines, nombred 10, 20, 30, 50; to 300. See Sines Line of Tangents, denoted on each Leg by the Letter T, is a Line of natural Tangents, number of 10, 20, 30, 50; to 45; befides which, is another little Line of Tangents of the distribution of the state of the sta

leder 1, in 4 a Lief of manuta arguests nontract to to a factor of the f usual the time as on the common Stalen. See Seatas. The Lines found by the Softer are of two Kinds, Inter-ing the Softer are two Winds, Inter-ing the Softer are two Winds, Inter-ing the Softer are the Softer are two Winds and the Softer are the Softer are the Softer are the Softer are the Other of the Lines in the soner Softer, is different from the Lines of Lines are the Softer are the Softer are the Winds are the Softer are the Soft Gitting it; for the Parallel herwixt 60 and 60 of the Chards, 90 and 90 of the Sines, and 45 and 45 of the Targents, are all equal.

### Use of the Line of Equal Parts on the SECTOR.

1 To Divide a given Line lines any Number of equal Parts, e.g., Sevens: Take the given Line is your Com-Piller, and letting one Foot in a Dividen of the Line of Paul Brax, that may casily be divided by 7, e. gr. 70 ; whice Seventh Parts is 10. Deen the Schort ill the other Foot all exactly on 70 in the fame Line, in the other Lin this Diffortion, applying one Foint of the Seventh Parts of 10 in the fame Line; then them till the eather Edd in 70 in the fame Line of their Line. This case the Line 10 in the fame Line of the other Line.

Aperture will be the 7th Part of the given Line. Note, if the Line to be divided be too long to be applied to the Legs of the Selfer, only divide one Half, or one Pourth by 7, and the Double or Quadruple thereof will be the 7th

art of the whole,

Fait of the whole.

2 To meighte the Linux of the Perimeter of a Delegow,
22 To meighte the Linux of the Perimeter of a Delegow,
22 To meight the Linux of the Linux of the tit over,
Take the given Line in yard to the Man did fet it over,
you she Line of could Fait, to the Man did fet it over,
each Side, expecting its Length. The Sefter remaining
takes, fet off the Length of each of the other Linux parallef to the former; and the Numbers each of them falls on
32 To Rebit Linux bear given and the Number of the Man did
32 To Rebit Linux bear given and the Number of the N

chain, fee of the Langul or enging. The define remaining that is, the control of the fill of the former and the Number could of them fills on the former and the Number could of them fills on all of the fill of the fills of the fill of

#### Ufe of the Line of Cherds on the Secron.

19. We shall be seen the section for all the row Lines of Cherit may note an Angle of any Number of Dayrene, e.g., as Department of the control of the control of the control of the Cherita C Instrument.

Indicascent, "S" 42 made on Angle of any given Number of Disperst, "S" 42 made on Angle of any given Number of Disperst, Number of Control. On the Section of Section 12 made in the Land-lar Arch, the Control, Section 12 made in the Land-lar Arch, the Control of Section 12 made in the Land-lar Arch, the Control of Section 12 made in the Land-lar Arch, and the Land-lar of Land-lar of the Land-lar of Land-l

the Vertex deferibe an Arch, and open me acteur, mit the Diffance from 60 to 60 on each Leg, be equal to the Radius of the Circle: Then taking the Chord of the Arch between the Compaties, and carrying it on the Legs of the Sector, fee what equal Number, on each Legs

the Points of the Compasses fall on: This is the Quantity

the youns of the Coulombia execution.

7. If a few m of the Coulombia execution.

7. If a few m of the form of years off the Corambirmac of a Girlet. Open the Selfer, ull the Direct from 6. to 6. be equal to the Radius of the given Circle: Then take the Extent of the Cheerl, of the Number of Direct, on each Lego of the Secrens allay it off, on one Circumference of the given Circle. By this Ufe any art egalate Toligen the interiode in a given Circle, as well as by the Line of Polygons.

## Ule of the Line of Polygous on the Sucroa.

1º. To inferibe a regular Polegan, in a gioen Cirde. Take the Semi-dumeter of a given Cirde, in the Computle, and aight it to the Number 6, on the Line of Polygens, on each Leg of the Selfer: Then the Selfer remaining then opened, take the Diatnes of the two quall Numbers, expecting the Number of Selfs at Polygens is to have. E. R. et al. 10 Diatnet com at the Collegan is to have. E. R. et al. 10 Diatnet com at the Diatnet com at the Collegan is to have the Crossitherize of the Circle.

Dithere carried about the Circumference of the Circle, will clivide it not for many equal Parts.

2º Ho deferble a regular Polyton, e.g., a Parentgon on a given right. There That the Long the Hot Hot the Congression, and right of the Lions in the Congression, and right of the Lions in the Congression, and right of the Congression, and the Congression of the Circle Congression, again the Enter Lions take the Extent, from the Congression will be the Sensi-diameter of the Circle the To-Lyopon in the Instituted in 11, then, with this Distance, from the Ends of the given Lion, you deferfler too Arches of a Circle, their interviction will be the Control of the

Sirvie.

3° On a right Line, to deferibe an Lifetles Triangle:
Having the Angles at the Bate, double those at the Vertext Open the Selfer, till the Ends of the given Line fall
on to and to so each Leg; Then take the Diffance
term 6 to 6. This will be the Length of the two equal Sides of the Triangle,

#### Use of the Lines of Sines, Taxgents, and Seconts, on the SECTOR.

By the feveral Lines dispelled on the Seffer, we have Sca as to feveral Radius's, So that laxing a Length, or Radius's, So that laxing a Length, or Radius's, So that laxing a Length, or Radius given, our exceeding the length of the Seffer when the Coured, Sim, or Tingerte, of a Degress, or a Radius of § Jacker, required Marke Jelicke the Agreement of the Seffer of

Tangent of 1st Degree.

If the Chord, or Tangent, of 7s Degrees were tequired 5 for the Chord, the Aperture of half the Arch, etc. 25, mile textor as before 1 which Dillance, repeated write, given the Chord of 7st. To find the Tangent on the Chord of 1st. To th

Radius.
To find the Secant of an Arch, make the given Radius the Aperture between c and o on the Line of Secants: Theo will the Aperture of 10 and 10, or 70 and 70, or the faild Lines, give the Tangent of 10

and po, on the fill Links, give the Tanguet of 12st of 13th Carvact of a sy of the ET lings were equired; that it, if the Rudius be required, to which a given Ling, it the Six, Tangers, of Seaan, it is but making the Links, it is the resulting the Cherch, between 10 and 10, and then the offer will find at the Rudius engined; but in, the Aperture between 10 and 10, and then the offer will find at the Rudius engined; but in, the Aperture between 10 and 10

Ule of the SECTOR in Tigonometry.

19. The Both and Verpeusicains of a collapse triangle the Egg Egg, 1, in all the Hybridenic Suppose to Blake, AC.

AB By a special to Shift will the could be the Left of Lint make a right Angle ! Then for the Bath, I take og Parm and the Lint of Lint con one Liga and the the Erron-on the Line of Lint con one Liga and the the Erron-the Lint of Lint on the Lint of Lint on the Lint of Lint on the Lint of L

and go, will be the Hypothematic BC; which will mertain go on the Line of Sirats. Buffe being given, to Shad the Perspectation? Open the Solling, will me two Lines of one of those Lines term the Carme. The the Hypo-thematic is your Comparities, and Esting one Foot in the Point of the given his, let the other fallon the Line of Lines, on the other Log. The Dilaton from the Carme to the Point of the given his, let when the Carme of the other hypothematic properties and the properties of the Point of the given his, let the other fallon the Lines of the other Log. The Dilaton from the Carme of the Perspecticular, the content of the Solling Hypothematics.

of the Perpendicular.

« The Hypstering being given, and the Angle A C B,

« The Hypstering being given, and the Angle A C B,

to fault the Perpendicular. Make the given Hypstering a

Familal Radius; a, to make it the Extern from 30 to 30

Familal Radius; a, to make it the Extern from 30 to 30

Angle A C B be the Length of the Shid A B to 40

Angle A C B be the Length of the Shid A B to 40

Angle A C B be the Length of the Shid A C on both Side the Angle B C A Lay off the Bid A C on both Side the Selfer, from the Centre, and now in Extern The Selfer Selfer, from the Centre, and now in Extern The the Side, from the Centre, and the Side A C on both Side the Angle B C A Lay off the Bid A C on both Side the Selfer, from the Centre, and the Side A Control of the Si

the Tangent of B C A.

an one even set the taste to translet Radius will be

\$\Phi\$. In any fight-appled Triangle, we state being
given, exist its metatad Angle, we got the threst Sule:
Suppose to Sule at C to, so the Sule C to, and the interest of the control of the Sule; control of the Lines Angle, state, 1 etc. 1 any of the given Sules of the Three Angle, state of the Control of the Sule; a control of the Lines to the control of the Control of the Sule; a control of the C

Lines 1, the Numbers andereing thereto, give the Proposition of Part State.

1 of 19, 1956.

Lay the Sides A. C. Ch., slong the Line of States, the Catter, and for over the Side A. B. In chair Tenses, from the Center, and for over the Side A. B. In chair Tenses, of the Angle A. C. B.

10, 1957.

10, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

11, 1957.

### Particular Uses of the Secron in Geometry, Sec.

1°. To make a regular Polygon, whole Ares hall be of any given Magnitude: Let the Figure required be a Polygon, whole superficial Area is 2.15 Peet: Extract the Square Root of \$\frac{1}{2}\$ of 125, it will be found \$\frac{1}{2}\$. Make a Square

and Side is given; and, by the Line of 1899a. We managed plattice, in the 4th Content and 1899a. Got Dispute the Side of a regular region in Circle 1899a. Got Dispute the Side of a regular region inclined to the side of the Paragon than Alle Canaged on that the Side of the Side of the Paragon than Alle Canaged on that the Side of the Side Office 
had, the renagon their may be described, as moore directed,

2º. A Circle being given, to find a Square equal thereto.
Divide the Diameter into 14 equal Paris, by the Line of Lines, as above directled: Then will 12.4 of their Paris found by the fame Line, be the Side of the Square

ionght.

3. A Spuare being given, to find the Diameter of a
Grele opual therea. Divide the Side of the Square into
the spuare the line of Lines; and continue that Side to 12, 4 Patts; this will be the Diameter of the Critic required.

4. To find the Side of a Spuare equal to an Ellipsi,

etisse transports and conjugate Diameters are grown. Find a mean Proportional between the transports acquaint acquaint part of the Square re-

o. To describe an Ellissis in any given Ratio of its Dunneter; the Area whereof shall be equal to a given Square. Suppose the Proportion of the transverie and Square. Suppose the Proportion of the transferie and conjugate Diameters be required, as 2 to 1, d wide the Sine of the given Square into 11 cqual Parts. Then as 2 is to 1, to 12 14 E 154 to 2,4th Number; the Square whereof is the conjugate Diameter fought. Then, as 1 to 3, fo is the conjugate Diameter to the transferie. Now,

underen. Now,

• Is define an Elitifi, by heaving the muslicule
and surgine Linearize gene. Suppose A B and E. Di

Comparise, and to the Extent thereof a gene the Silver,
in the Diluxer time you to y<sub>1</sub>, on the Linear of Since,
in the Diluxer time you to y<sub>2</sub>, on the Linear of Since,
in the Diluxer time you to y<sub>2</sub>, on the Linear of Since,
and the silver time you to y<sub>2</sub>, on the Linear of Since,
to the year of the Silver, to the silver time to the Since of each Diggres, on the Legs of the Silver, in

the Since of each Diggres, on the Legs of the Silver, in

the Since of each Diggres, on the Legs of the Silver, in

the Since of each Diggres, on the Legs of the Silver, in

the Since of each Diggres, on the Legs of the Silver, in

the Since of each Diggres, on the Legs of the Silver, in

the Silver of the Silver of the Silver of the Silver of the

silver of the Silver of the Silver of the Silver of the

silver of the Silver of the Silver of the Silver of the

silver of the Silver of the Silver of the Silver of the

silver of the Silver of the Silver of the Silver of the

silver of the Silver of the Silver of the Silver of the

silver of the Silver of the Silver of the Silver of the

silver of the Silver of the Silver of the Silver of the

silver of the Silver of the Silver of the Silver of the

silver of the Silver of the Silver of the Silver of the

silver of the Silv his Extens of the Semi-conjugate Diameter C E. Sexues agree Compilities, and own the softer in the Agenciar May and Compilities, and own the softer in the Agenciar Diameter Compilities and the softer in the Agenciar Diameter Compilities of the Diagnost of the Diagnost of the Diagnost Compilities of Sizes of the Softer, and the soft of compilities of the Softer, and the softer of compilities of the Diagnost of the Softer and the Softer, and the softer Compilities and train. A fig. The Softer full remaining the faint, take the Diagnost Percentage of the Softer full remaining the faint, take the Diagnost Percentage Compilities and trains, on the Lone AG, with the culter, make the Folians as and b in the Percentage Compilities and Softing on the Lone Town and the Compilities and Softing on the Lone Town and the Compilities and Softing on the Lone Town and the Compilities and Softing on the Lone Town and the Compilities and Softing on the Lone Town and the Compilities and Softing on the Lone Town and the Compilities and the Compilit AL, with the other, make the Foints a sind b in the Per-pendiculars patting through that Point: Then will a and b be the two Points in the Perpendicular, through which the Elliphis must page. All the other Points found after the faine Manner, being connected, will give the Semi-Elliphis D A E 3 and the other Half will be drawn after the fame Manner

## Use of the Sucron in Surveying.

Diff of the Section is thereping.

The Benning of there Places, at a, B, C, (Fig. 5), in each state 1 i. e. I be depict a B C, B C A and the state 1 i. e. I be depict a B C, B C A and the state 2 i. e. I be depict a B C, B C A and A D benning own at 1 in the Place 2 in the Place 3 in the Place 3 in the Place 3 in the Place 3 in the Place 4 in the Place 5 in the Place 4 in the Place 5 in the

Orthographic and Supergraphic, and Stranzoona Principal and Stranzoona Principal SECULAR, founding Temporal, in which Senfe the Word is a field in Opposition to Bedefinifical. Thus we

Word is stell in Oppositions on Beckstastical. Thus we shay Screiter Forest, Scatter Fores, Scatter Series, Sc some "neverth mere," a "Neverth mere and "Nevert

or, to a Period, deemed the Extent or the lengelt Line or, Man, called by the Greds and, and the Latini, Seculiari, They latied three Days, and as many Night, during which, Surfices were performed, Theatrical Shews ca-lableted, with Combins, Games, ife, in the Circus. Their Dorgors, and Internore, in collected at Length by Orgors, and Internore, in collected at Length by Dorgors, and Internore, in Collected at Length by Progress of a Plague. The first who had them collected Length Collected Opportunities the first Couldi created Length Collected Collected Collected Length Collected Collected Length Collected Collected Length Collected Lengt Profess of a largue. The first who had them ecceptance at Rome, was Valents Phillipsians, the first Could created after the Expulsion of the Kings, in the Year of Roser 245. The Ceremonies to be observed therein were found in one of the Books of the Sibji. At the Time of their Celebration, Heralds were tent to invite all the World to a Feast no body had ever yet feen, not was ever to

Authors are not agreed of the Number of Years where in these Games returned; partly, because the Quantity of an Age or Secultary across the Antients is not known; and partly on other Accounts: Some will have it, that the fact yet deter recommend to the many that the many debutions, or dop, so as or Centure, T in Forer and Jones in the special in very plan Terma yer other than the Section of Section 1 to the Section were held once every hundred Years, and that the The Emperor Secretic exhibited them the nighton amount to Years after those of Dominiene Zoglinus Breas, their were the laft; but he is mithaken, for in the Year of Remus 1000, Fifty Years after those of Socretic, the Emperor Philip had them celebrated with greater Magnification than had ever been known. We find them represented on Michals.

The Ludi Seculares were also called Ludi Tarentini
from Manius Valerius Tarentiniss, who gave Occasion
[M]

S E C

qui finit infinition is he having here weread, in a Dram, we dig in the Ground in a flavor mere the Canglor Affording, and the Ground in a flavor mere the Canglor Affording, and Drammon, the three fload on Aller incircled to 28th, or 19thes, and Draftforner; Upon which, as had been been been been described in the American Canglor, on the same Alax, for three Draws and the Aller Affording the Canglor and Canglor and the Canglor affording the Canglor and the Aller Affording the Aller Affo

Older jub Samerin eine Best der Stelle gest der Gestelle gest der Gestelle gest der Gestelle 
in being diluted there with Laymah, just the common Recytlence, See LACTILLE.

RECURDINE, in Medicine, on the common Recytlence, See LACTILLE.

RECURDINE, in Medicine, on the forest Carta or and the Common Amonito, the Lacenta, Edit Charles, Almoid, the Recenta, 15c. that as Ill.), because they came out in the forced Hate, i.e. the Common Amonito, the Recenta, 15c. that as Ill.), because they came out in the forced Hate, i.e. the Common Amonitor the Common Amonitor, in the Common Amonitor, in the Common Interest, and the Common Amonitor, and the Common Interest, an

Scientifies to the Fourth and last Coat or Court of Seeds; by reafin this performs nearly the fame Uffice in Plants, that the Membraness investing the Farms do in Animals. Indeed Plinty, Columnilla, Applicat, Ec, have afred Seeds; and the Animals of the Court of th

SE DEFENDENDO 4 a Plea for him who is charged SEJÉPÉNDENDO; a Pies for him who is charged with the Death of amother, frings, IR was forced to do what be did, it his own Direigh, the other is diffusile to the did and the second of the control of th

They are both very flour, though the one more to this like other; for which Reside the one in called the other; for which Reside the one in called the other; for which Reside the one in called the other, shall reduce the resident the Resident Control of the World, and once in the resident the resident that the resident that the Delhulina of the Turnle of Josephen, and, of Confesion, and of the Delhulina of the Turnle of Josephen, and, of Confesion, and of the Resident that th mainfing the Antiquary of the Principal Books of the Freed, nederwares to prove it to have been wore along the Vast of Christ 1124, as indeed it is expected at the Regioning by Rr. Zhuy, Games has overthown the Opinion in his Tejund Dowls, and Brawn, that the Day, in the Regioning is in interpolation. The two Chanse, in the Regioning is in interpolation. The two Chanse, logics were first Friend's at Manuals in 1514, 20mary, a gain, as Highly be Tellowship in 150 Christopher Manual pages, as the Christopher in 150 Christopher in 150 Christopher in whereas, in Tourister, They have been frince Principal as

nelveria, in Tuniera, Tury have been fince Frincia.

SELDRENTY is Sectionera, or Dreg, of my SELDRENTY is Sectionera, or Dreg, of my SELDRENTY is Sectionera, or Dreg, of my SELDRENTY is set between of the Virtle. See the Section of the Virtle. See the Sectioner of the Virtle. See the Sectioner of the Unite. The World is set of the Sectionera, which seek the Sectionera is set of Markov SELDRENTY in the Sectionera of the Unite. The World is set of the Sectionera of the Unite. The World is set of the Section DELUGE

See Datwee.

SEDRA, the High-Prieft of the Set of olf, among SEDRA, the High-Prieft of the Set of olf, among SEDRA, the High-Prieft of the Set of olf, among of Poyle, the selanty conferent Dgainy on his areast. States the control of the Set o

Dalacted by Itaas us the American Conference of the Empire.

SEED, a Matter prepared by Nature, for the Re-production and Confervation of the Species, both in Mee, Animals, and Plants: Some Naturalitis add, That evan Stones, Mineralls, and Metals themselves the veach that proper Steed in their Miners, and are produced and performed the Meeting of the Conference of the C

proper Seed in their Minets, and are produced and per pertuated thereby, See Mixxaa, Syroxa, See, See, Sixxa, Seneer, in the Animal O'Economy, is a whit-Liquid Matter, or Humoer, the thickeft of any in the Body, feparated from the Blood in the Teitice's, and re-ferred in proper Veiffels, in be the Means of Generation By Chymical Analysis it is found to conditi almost in-

ferred in proper Veifels, m be the Means of Generation Py Chymical Analysis it is found to constituents it is found to constituents in the Means of 
de Pife Diffrenite er Eficialteria, which confitt, at first, of the years have a war are not a confitt, at first, of the years, and then against the property of the grant of

tend, and raised to its last Perfection: in which other it is called &co. It is observed, that no Humour in the Body is ge-scatted followly, meets with to many Means to retard it, or to elaborate, and concect it, when ar reft, as the feel. Some imagine that, in its whole retarded Progress,

segent is though, meet with to many Menas to resent
of Some inaque that, in its whele resulted lengths,
beliefs what is apparent, here. It founds not in the
second of the second of the second of the second of the
second of the second of the second of the
second of the second of the second of the
second of the second of the second of the
second of the second of the second of the
second of the second of the second of the
second of the second of the second of the
second of the second of the
second of the second of the
second of the second of the
second of the second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the
second of the

ASSISTATURA.

Some admit of four feveral kinds of Seed: The Seed of the Highles, that of the Vifinate Samineles, that of the Highles, that of the Plants, the Wigness of the Plants. The uso first, which we have deferiled as our and the fines Henora, only in different Sanges, those Austronia to to be different, as not bring able to find any first Communication between the Diplerants and the Vifinate, but that Communication is fully flowing, by Dr. Dr. Dr. Lee, this modeling percentages as the second that of the Chiback or the Chiback of the C

but that Communication is fully flown, by Dr. Druck, birth substituted with the line. So that suching modes the firm, on Druch with the line of the line, when the line of the line, that the Seed, Unite, \$Ce.\$ may poin once the Parts, that the Seed, Unite, \$Ce.\$ may poin once the Parts, that the Seed, Unite, \$Ce.\$ may poin once the line of the Parts, line of the line, and believine the Parts and Line of the United, power of the line of been caffrared, these Glands, as well as all the others ben caffraged, thefe Glands, as well as all the otherSources of Generatine, are found dried up, and decayd. M. Litter Profess to this, that the Voffcule Sominades, and Profiner, being little Cells, where their filtrated Liquor is deposited, its easily conceived that their Humons may wait four Time, for an Occasion of being emitted; but that which one Profiners, or Glands, of Mr. Cosyber, having or Such Referency, their Liquor mult does our into the

Cavity of the Urculars, in Proportion, as it is feparated, and be defined for some continual, not a momentary or occusional U.s. He adds, That as the exercise or occusional U.s. He adds, That as the exercise of the Urchta, for two Inches the Proposeous Eddy of the Urchta, for two Inches the Proposeous Eddy of the Urchta, for two Inches the Urchta, for the Gibbarre, that is the filed in Sich in Six and the Urchta, for the Urchta,

on 3 Diblange than even. See Execution.

The the First of Seed when single in the United Section 200 Concept to the Concept to

WER.

"Tis produced from the Fatina of the Apices, let fall on the Head of the Pittil, and thence forwarded to an Uterus, at the Bottom thereof, divided into feveral Gells; where, coming to receive she nutritious Juice of the Plant, it is first forten'd, then fwell'd, increased both

Circia, at the Bestom interest, divided into feveral the test properties of the Bestom interest, divided into feveral the Basic its inflational, the netterli, interested built in Mantee and Bibls, and at length comes to its Sante or of the Circians of th

no interring her gewase and permanent State. See DaGENERALTON.

SEEFANCE.

GENERALTON.

GENERALTON.

GENERALTON.

GENERALTON.

GENERALTON.

GENERALTON.

GENERALTON.

GENERALTON.

GENERALTON.

The Williams in his Pedert, gif- conduct, "Thus we feel

"how find! a Particle; no bigger than a coarfe Sand,"

is increast, Gen. A plain Demonstration, that the

is increast, Gen. A plain Demonstration, that the

circ. The Body, Rost, gif-, Mr. Zarchen addy, That of

all the Sateh has raived, except the Majack, pet Plant

appears the plaintif to the saked Eye in the Nux

Vonita.

O'Mills.

appears the plained: to the native aye as the evan The Fecusity of Plana, in the Predaction of Society, is very forprising. M. Debert, in the Memoirs of the Fermal Academy of Societies, computer, Tuta as Elm, its ing root forms, ordinary positions of it fift; possesses of the Predaction of the Predaction of the Theorem of Theorem

Trank cannot produce them, as being it felf no more than a Packet of Fibres, defittute of all Adion: Nor can the Sap, which, like the Blood, is fit to nourifu the Parts, but not to form any new once. The Branches thererarre, but not to torm any new ones. The Branches there-of existed before the Tree was lopped, and if they had appeared, would have bore an equal Number of Grains as those which did. These Grains, therefore, they must already contain in little. On this Poorting, the Tree may be faid actually to contain in itself 1.5840000000 Seeds, wherewith to multiply itself as many times: But what shall we say, if each Seed, or Grain of a Tree, contain in itself another Tree, containing the same Num-

Skeps, in Gardening, and Agriculture. Mr. Bradley observes, That the Steels of Plants, though exceedingly good, will degenerate from the Mother-Plant, if they be good, will degreeate from the Morher-Plant, if they be found on the fame Ground, where they were gathered to that there is a great Nocesility for a young of the fame of the f much exposite. The Selecture to be doubt reven the three to consider the real point of the selecture of the

for the Complection.

SEEDLINGS, are fuch Roots of Gilliftnwers, as come from Seed fown; also the young tender Shoots of any Plants, that are neaty fowed.

SEEING, the Act of perceiving Objects by the Organ of Sight; or the Senie we have of external Objects, by means of the Eye. See Sinty.

means of the kye. See Strair. For the Afgeratus, or Dipplinian of the Parts necessary to Sciency. See Ext. For the Macane wherein Seeing is performed, and the Lowes thereof; See Vascon.

Our both Anatomitts differ greatly as to the Cause why we don't fee double with the Syes. Galen, and others stee him, asterine is to Scalinian or Decembration of the

Optic Never habbed her Of Optionit 8. Best whether level describing or enables; e venil parties bone on enable; it one to well agreed. The Birthelman and Figlian, 18 more to well agreed. The Birthelman and Figlian, 18 more to well agreed. The Birthelman and Figlian, 18 more to well agreed. The Birthelman and Figlian, 18 more than 18 more tha Optic Nerve behind the Os Sphencisks. But whether they ther, that thole Fibrille have the lame Parallellini, Conhon, Sefs, on both Eyes: Confequently, when an Image in painted on the lame corresponding, sympathizing Parus of each Retinin, the fame Effects are produced, the fame Notice carried to the Thalamus, and to impaptred to the Soul. Hence that double Vision enfuing upon an In-

Notice carried on the Thalamas, and fo insuperior has good. Hence that caded Video entiring you as In Social Hence that caded Video entirely would be provided by the Finger, or these Symplony as the Control of the Co

of white Hars, mixed with those of his natural Colour, which is a Mark of Old Age 1 and Horfe rever Seek till he is Fourteen Years old, and always before he is Sixten at fartheit! The light Sored and Black, fonce Seef than any other. Horfe-Jockeys usually pall not those Hars with Pincres; but if there he for many, that is cannot be done, without making the Horfe look bull and ugly, then they colour their Eye brown, that they many not appear

dode, withful manage me zerre nos clust assessy; most debt general control of the 
ADE BC. SEGMENT of a Sphere, is a part of a Sphere reminated by a Portion of its Burface, and a Place which cast itell's paling interswhere out of the Centre: This is more properly called a Schline of a Sphere. See Section. The tiste of inch a Syment, 'tis evident, is always a Circle whose Centre is in the Centre of the Sphere. See

Girks whole Centre win the Centre of the Sphere. See Seeman Self-Centre win the Centre of the Sphere is fined. Self-Centre is fined, by multiplying the Gar-fate of the whole Sphere by the Altimade of the October of the Sphere is the Centre of the Centre of the and then delengther for Probade by the Distractor of the of the October is the Centre of the Centre of the Table the Althoude the October from the Centre of the Table the Althoude the October from the Centre of the India of the October of the Centre of the Centre of the India of the October of the Centre of the General way to the Centre of the Centre of the General of the Centre of the Centre of the General of the Centre of the Centre of the General of the Centre of the Centre of the General of the Centre of the Centre of the Centre of the General of the Centre of the Centre of the Centre of the General of the Centre of the Centre of the Centre of the General of the Centre of the Centre of the Centre of the General of the Centre of the Centre of the Centre of the General of the Centre of the Centre of the Centre of the General of the Centre of the Centre of the Centre of the General of the Centre of the Centre of the Centre of the General of the Centre of the Centre of the Centre of the General of the Centre of the Centre of the Centre of the General of the Centre of the Centre of the Centre of the General of the Centre of the Centre of the Centre of the General of the Centre o diameter s, then will a, s : s s "; add " to a, and that finall give the Axis fought.

Lime of Sensan ver. On General vessions there are similarly pro-lines, called Liment of Segments, they are sumbtered with y, 6, y, 8, y, 10, and he revenes the Lime of Sensi-tion of Sensi-cial vessions and the Liments of Carlos, and the Carlos, clothed Carlos, and common to the Liments-dames through their Parts, and normal to the Liments-dames through their Parts, and normal to the Liments-greater fluid have that Proportion to the whole Circle, as the Parts or and their clothed the whole Circle, as the Parts or and divided into many Shreds or Silice, as Person, Son. March 1997, and the Carlos Silice, as Person, Son. March 1997, and the Carlos Silice, as Person, Son. March 1997, and the Sensi-Silice, as Person, Son. March 1997, and the Sensis Sensi-s Sensis Line of SEGMENTS. On Gaster's Sector there are usually

Manar Valors. See Samilunan.

SEGREBANT, is the Herald's Word for Griffins,
when drawn in a leaping, or faltent Pollure.

SEJANT, is a Term used in Heraldry, when a Luor,
or other Beal; is drawn in an Efection, fitting like a
Cat, with his Fore-feet streight.

Cat, with his Fore feet fireight.

SEIGNOUTRAGE, a Right or Dae belonging to a
SEIGNOUTRAGE, a Right or particulately side for a
Dary belonging to the Frince for the Coining of Moore,
called allo Caining, in the baler Lamin, Montestgium. This
Davy is not always the finne; but changes according to
The Company of the Coining of Moore,
This in form enseiter for the Duffrage of this Duby that
Alley was invented; that is, the Mixture of other Metals
with Gold and Silver.

with Gold and Silver. Magge for every Postad of Gold. Under our ancient King. For every Postad of Gold. When the Control of Gold and State of the Control of Gold and Fire Shillings and forecision Eligibrour Frence whereof went to the Matte of the Mint. Under Elmand the Elinad the Gigmonrage of every Postad Weight, which was the equivalent to a Sulling. Under Hamy V. the King's Gigmonrage for every Postad of Silver, was Electron-peace. Laus the XIV. took away the Right of Segmenrage in 1679, the 'twas re-chablished in 1689 on the Foot of Seven Livret, Ten Sols the Mark of Gold, and Twelve Sols, Six Dmicrs the Mark of Silver.

It must be observed, that for the levying of this Duty of Seignanege, the just Value of the Money is augmented by the Value of the Duty.

by the Value of the Days,

\$E(EN), in Law, from the Person Selfen, specifies

\$E(EN), in Law, from the Person Selfen, specifies

\$E(EN), in Law, from the Person Selfen, specifies

\$E(EN), in Law, from the Person Selfen, specifies, when a Cerp
\$E(EN), in Law, from the Person Selfen, specifies, when a Cerp
\$E(EN), in Law, in Law, in Law, in the Law,

The Civilians call the one Civilem Poffeffeniem, the other The Civilians call the one Guillen Polyaganems, the other Naturaelans. See Possession, SEIZE or SEASE, in the Sea Language, is to make find or bind; particularly to faither I'm of loopes negetier, with Rope-Yarn. The Singing of a Best is a Rope tied roo as Rieg, or little Chain in the Fore-fining of the East, by which means it is faitened to the Side of the Simp.

which means it is faitened to the Side of the Ship SEIZING, of in Falcoury) is when an Hawk gripes her Perv, or any thing, fait within her Claws. Moreomeror, and Arreit made of fome Merchaduck, Moreomeror, and Arreit made of fome Merchaduck, Moreomeror, and Arreit made of fome Merchaduck, Moreomeror, and Arreit made of fome Quence of fome Law, or of fome experis Order of the Hing. Countaband Goods, thoff Endudently Emerch, Hing. Countaband Goods, thoff Endudently Emerch Hing. Countaband Goods, thoff Endudently Emerch Faces, are not all the serve the chings or information. Bines, are fadiged to Orniers. See Courses a sun. To forcome, smoon on each large see the digine or landinger, and the other Half to the King. In Fronc, Half the other Half ten State (Henry Landing 
of the control of the Control of the

SELEUCIANS, a Sect of ancient Herericks, call'd also SELEUUGANS, a soct of sacient hternels, citin a naw hermises. Selection and Hermises proming Forces, and dogmarising together, taught, That God was Corporally that the Elternatury Matter was Coternal with him. Hermises and formid by the Angels, of Fire and Fire and Selection and the Hermises of the He

and Mar. They denied that Popic Grip's face is the Right and Mar. They denied that Popic Grip's face is the Right and the Market of Market of the Market of

SPLM, in Building, is of Two binds, vis. Granes Soll, which is the lowell Fixes of Tumber in Timber Endology and their whereas the whole Superinchare in Tumber Soll, which is the lowell Fixes of Tumber in Timber Endology and their whole the Superinchare is the superinchared the Superinchared Sup permission networ was made betwee the Europeals is the Fields of Lausenburg in Amplitus, where the Land utealthy yields four or five fold; but the Crop from the Ground fowed by this Inflitument, was Stay fold, as appears by a Certificate of the Europear's Officer, appointed to let the Experiment \*\* Signé \*\* Passand\*\*, phospile \*\*, to65.

A Figure of the Zamintpador, we have in the \*\*Femilia Things\*\*, which is the Collemann.

SEMEIOSIS, in Medicine. See Dragness. SEMEIOTICA, that Part of Medicine, which confiders SEMEIOTICA, that Part of Medicine, which confident the Signs of Indications of Health and Director; and co-nbles the Phylician to judge what is, was, or will be the State, Degree, Order and Effect of Health or Sicknefs. See Stort and Instructives; for also Medicines. The Wood is farm'd from the Greek Equentum, of Equility,

"SEMENTINE FERILE, in Antequity, Forth hold summity among the Remarts, or done are the Code a plennial Harvil. They were held in the Temples of Ferra, or the Eurly, where forther Survives were distress active were distress and the state of the Section Se SEMENTINE FERLE, in Antiquity, Feafle held

Send, frequently at Denni.

In Mulic, Seni has three Feveral Ufage: First, when added to a Neet, it experties a Dimmutotion of Half in Value, a Bond-Free, Cle, which bee Generally, when the Control of Half but of a minor Half-tone, or four Connuts in the whole Compats, Trilly is framition fligibles an Imperfection. Thus Somitivado or Caralesson, comparison in the Whole Control of Half-tone of the Control of Control of Control of the Control of the Control of 
met. Deze, ering a Lausacet et a Ferciccio, justes et al.

SEMI-ARIANS, a Brunch of the Ascient Asiany, confiling of Sub a, in Appearance, condemned the Errors of this Birelanch, to text anapticed in the Francische and more moderate Terms. This true, they feparated me the Asian Series and more moderate Terms. This true, they feparated me the Asian Series and series the form the Asian Series and series the form the Asian Series (and sever the Federate Terms), or of the fame Seldstreet with the Federate. They would only allow almost the Federate. They would only allow almost the Federate. They would colly allow almost the Federate Terms would be series as the Asian Series and the Asian Series an

ner an neck of spirit seems, is connected with Offindoxy. See ARANNE, in Multi, a Note, or Measure of Time, Comprehending the Space of Two Mininss, or Four Crothetes, or Half a Brow. The Smil-brove is ac-counted one Mediature or Time; or the latteger, in Fractions

and Multiples whereof the Time of the other Notes is expressed. Thus the Minim is expressed by \$ 5 a Crotcher by 1, Ge. r. e. by 1 of a Meafure or Semi-breve. A Breve 9) 3. See The by 3 of a natural of communities. By 2, a Long by 4, that is, by 4. Menfurence Some keeper. The Character of the Semi-herore is O.

SEMI-CINCLE, in Geometry, a Figure comprehended between the Dumeter of a Civele, and Half the Circumference. See Caralle. Two Semi-Circles can only out.

each other in one Point,

each other in one Fount.

Some Circle, isadio an Inframent in Surveying, call'd afth

Graphemeter. It condities of a Some circular Limb, as F LG

(Tab. Surveying Fig. 16.), divided into 180. Degrees and

fometimes published indeed, Diagnostly or otherwise, into Mi
nuces. This Limb is tubered to be a Diagnost F G, at the

Tennel are Readed you Share, by the Court 

### To take an Apple with a Same Cincia.

Place the Instrument in such Manner, as that the Radi C G may hang over one Leg of the Angle, to be meafur'd, and the Centre C over the Vertex of the same. The first Us this yadi, over one Long the Chaple, to be included, Us this yadi, over one Long the Chaple, to be included. It is done by leaking the Hungh the Sight Pad G as the Eureminis of the Dameree, to a Mark fixed up in our learning of the Dameree, to a Mark fixed up in our learning the Chapter of the Chapter

To find the Semi-diameters of the Primary Planers in Semi-diameters of the Earth.

Since the Sun's true Semi-diameter is 152 Semi-diameter: of the Earth; and we have the Ratio of the Diameters of the Primary Planets to that of the Sun (See Dia-

of the Lamby, and we have the Rains of the Thinneys of the Primary Places to what of the Sim (See Dalmers et the Primary Places to that of the Sim (See Dalmers et the Primary Places to that of the Sim (See Dalmers et the Primary Places to the Primary Places et the Pla

s cust minutes valeres y men minus in Carifa, orderes Some Carteria, Seat About implianting grow, turn in the Seasons to have in Correll. Est feetilestes greams from part for majorest the Goldfy's stam of person from the great for the Goldfy's stam of the goldfy, it will be greated in the great from the greatest and the greatest from th Sentence we have in Ceston Res familiaris primum bene common. Semplimes and it trappers, that Members that sere appoints in each other; has it raise on the finne Verb, are reported to each other; has it raise on the finne Verb, are reported by a Novelected Stan Coren. Each to general principal state of the process, which we have that the Novelected Stan to the Corent C

SEMI-DEADANTS, in Music, a defective Fifth, call'd Fifth Sec Figure

BENET DANTHES, AND IN Mulie, a defective Fourth, call'd, proporty, a fully Fourth. See Fourth.

Seme Douous, in the Rozzijb Bevary, a Term afed for fuch Offices and Feaths as are colebrated with left Solemuity than the souble ones; but yet with more than the fingle ones. The Sensi-double Office has double Vetpers,

fingle ones. The Sensi-double Office has double Velpers, and Nine Letties at Matties; but the Anthems are not re-doubled. The perform d on Sundays, in the Offaves, and in Featles mark'd for Suniassisher in the Calendar.

in Peatist mark'd for Simichaelbe in the Calendar.

Agast Livang Ardens, in Antony, are listed Yellers of
Membranes of a Josephane Figure, placed in the Orifice of
Membranes of a Josephane Figure, placed in the Orifice of
Membranes of a Josephane Figure, placed in the Orifice of
Membranes of Application.

Seas On Industria, in Geometry, the Halves of the
Originates of Applicates. See Onjones of Applicates.

State Challenge of the Originates of the Originates of the
Originates of Applicates. See Onjones of the Originates of the
Originates of Applicates. See Onjones of the Originates of the
Originates of Applicates. See Originates of the
Originates of Originates of the Originates of the Originates of Originates of the 
Wald God, but according no his serical Preference where-hys the farties we here year: that would believe in him. They would, that the Vocation of Call to the Golffel, was common to all, antimely as God delired all fload be fund. As to Election, they hold, that it depended on we Perforence, God only vlusing facility and the Stread Life. The God only though grain to Stread Life. State Phores, an imperied Fund. The Depositions of State Phores, an imperied Fund. The Depositions of State Phores, an imperied Fund. The Depositions of State Phores, an imperied Fund.

for transfer, in enormous takes, one agree, in Pager, in Prager, in congruence of the Planets, when to try the Toruges.

Sensity determines them to try the Toruges, when the Planets, when the Planets, when the Planets are supported in the Planets, when the Planets are supported in the Planets, when the Planets are supported in the Pl

SEMI-QUAVER, in Muffc. See QUAVER:

Brase Gapangues, a lean offerên et he Planets, when at the Dillanes of ple dispers from our number. See Aury co. Share-Sayerara, or closed planet from each other, one. Planets, wherein they are dillane from each other, one. Twelfith Part of a Circle, or 19 Degrees, See Arraces, The Stout form's was added to the ancient Algebra by Keyler; and, as he says from Mercerological Obstructures. Distructions, on the State of the Company of the Co Donst.

SMALE NOW, A MORE one of the Degrees, we con-cinguo lacerals, of Cassoults. See Dagasar. There is no three Mayers of the Cassoults. See Dagasar. There is no three Mayers of the Cassoults. See Dagasar. There is no three Mayers of the Cassoults. See Dagasar. There is no three Mayers of the Cassoults. See Dagasar of the Extreme of any Cassoult to the other, and very profess to Melloy and the business of the Cassoult of the form Cassoult of the Cassoult of the Cassoult of the form Cassoult of the Cassoult of the Cassoult of the delt girld in \$1.30 that of the Second is 10. See of the girld in \$1.30 that of the Second is 10. See of the girld in \$1.30 that of the Second is 10. See of the Cassoult of the Cassoult of the Cassoult of Market Montacar, and the Grature Garteria, because generate him the Fart it clares belief, or its Complete generate than the Fart it clares belief, or its Complete on the Cassoult of the Cassoult of the Cassoult of the Market Montacar, and the Grature Garteria, the cassoult of the Garteria of the Cassoult of the rece of the greater Whird and Fourth, or of a Fifth, and and pilled Such.

rence of the greater united and Fourth, or or a trive, and lefter Sixth,

Every Tone of the Diatonic Scale is divided into a 
Greater and Left, or a Noticol and Artificial Sometimes.

Mr. Malectin observes, These very natural to think of a Mr. Mediado redderen, "Twas very natural to r hast of a Uniform of east Nico, where \$5.1 or Bload be one Deligion of east Nico, where \$5.1 or Bload be one Nicola of the one of east, that, in Predict, a state, on not Indiquenter, to see a secondary day, in that of Difficulties in mind one of east of the Nicola of the Nicola of the Nicola of the man Nicola of the Nicola of the Nicola of the Nicola of the man Nicola of the Nicola of the Nicola of the Nicola of the man Nicola of the Nicola of the Nicola of the Nicola of the Mind Nicola of the Nicola of the Nicola of the Nicola of the Mind Nicola of the Nicola of the Nicola of the Mind Nicola of the Nicola of the Nicola of the Mind Nicola of the Nicola of the Nicola of the Mind Nicola of the Nicola of the Nicola of the Mind Nicola of the Nicola of the Nicola of Mind Nicola of the Nicola of the Nicola of Mind Nicola of the Nicola of Mind Nicola of By means of enele we have a new Kind of Scale, called

on mean en mean en men en en man of Schic, chied Schick Teach (edition of the Schick Observatory & Schick Teach (edition) of 12 Degrees, or 13 Noves, Barrier Teach (edition) of 12 Degrees, or 13 Noves, Barrier Teach (edition) of 12 Degrees, or 13 Noves, Barrier Teach (edition) of 12 Degrees, or 13 Noves, Barrier Teach (edition) of 12 Degrees, or 13 Noves, Barrier Teach (edition) of 12 Degrees, or 14 Noves thereofs, another Nove, which duried the Internal of Teach to the teach of the 12 Degrees, to the Post of the Market Market School, at the Graph, Harpfelord, effectively of the 12 Degrees, to the Post of the Schick being unequal, from cryen Nove to 18 Gelfare there is a different Celling's of Degrees, to that from any Nove Andie carrier of Juneya freeze (edition), which they are to accompany task other in Landon (edition) of the 18 November 18 N n Semi-some Seale. Same Tonic Seale, or the Scale of Semi-sones ; A Scale

Scale of Semi rones. e.ok.d,dke.f.f\*g.g\*.a.b.b.cf\*

For the Names of the Intervals in this Scale it may be For the Names of the Intervats in this Scale it may be confidered, that as the Notes added to the natural Scale are not defigned to alter the Species of Melody, but leave it till "Distantie," and only correct from Defects arting from tomething foreign to the Office of the Scale of Music, wis, the fixing and limiting the Sounds: We fee the Reason why the Names of the Natural Scale are continued; only making a Dittinction of each into a Greater and Left. Thus an Interval of one Semi-tone is called a Left Second; of two Semi-tones, a Greater Second; of three Semi-tones, a Left Third; of four, a

A fecond Kind of Semitonic Scale we have from A fecond Kind of Smirmini-Stafe we have from aso-ter Division to the Officer into Smir tenet; which is performed by taking an Harmonical Mean between the Stafe Stafe Stafe Smirmini Smirmini Smirmini Smirmini Stafe, which thinked it into two Smirmini Smirmini Smirmini Thus the Greater Your 8: 9 is divided into 16: 17, and 17: 18; where 17: an Arthmetical Division, the Numbers reperforming the Lengths of Choosts, but if the reciprocal to Markon, the Control of the Control of the Smirmini Smirmi tney represent the Vibrations, the Lengtus of the Chords are reciprocal, vie. As 1: 16: 15, which pars the Grester Scent.row 16, next the lower Part of the Tem, and the Leffer 15 over the Upper, which is the Property of the Harmonical Division. After the fanc Manner the Leffer Town 9: 10 is divided into the two Semi-news 18: 19 and 19: 20, and the whole Offsave though them. flands thus:

### c.c \$. d. d \$. c.f. f \$.g.g. \$. a. b.b.c 49 13 41 48 44 49 14 18 48 19 14 14

This Scale, Mr. Salmon tells us, in the Philosophe. Transfelf, he made an Experiment of, before the Royal Society, on Chords, exactly in these Proportions, which yielded a perfect Conforr with other Instruments, touch'd by the best Hands. Mr. Malacha while Trans. by the best Hands. Mr. Malcolm adds, That having calculated the Rasies thereof, for his own Satisfaction, be found more of them false than in the preceding Scale; but their Errors were confiderably less, which made

Amenda. 20 Medicine, 25. Spennerie, or four-SEMINAL. 20 Medicine, 25. Spennerie, or four-sile Michael Schröding. 20 Medicine, 20 Medicine, SEMINALIS CATSULA, or Stock Beg., is the Hast, SEMINALIS Pipinite, See Vesacca. Stomendar, SCH, 1900, 1900, 1900, 1900, 1900, 1900, 1900, Seed, isson in the Earth, come spr. or floot forth at sirtle with little, plain, fort, and wadroded Leaves, stome the stome of the stome of the stome of the stome of the Secretal Plate in Management, Player, Surface, and Portion, are called Sustain Leaves: A the little embraoauch Time, which lite in Minagemen every eed, is called the Plantula Seminalis. See PLANT and

Leav. SEMINARY, a Place appointed for the Instruction of young Persons, destined for the Sacred Ministry, in the Duties, Ceremonies, and Offices thereof; first instituted, as Thomason relia us, by St. Angustin. Of these Semiyoung betrook, delined for the Surerd Ministhy, in the young betrook, delined for the Surerd Ministhy, and an Tamonfor that is by \$1. Angeline. Or their Suri-unities there are many abroad, inmitted with Halls for an Tamonfor that is Americana, and inter Constlere, or aparet Such is the Suriminey of \$0. Sulptime as Paris-The Courted of Trund extern, Tam Collection excel-istrated an common, to qualify them for the Eckstaining and the Surimine of the Constlere of the Court and the Courte of Trund the Courte of the Courte and the Courte of the Courte of the Courte taken in the young People used you findly Theodogy, and different from the Deserved of the Courte taken in but young People used you findly Theodogy, and the Courte of the Courte of Courte taken in but young People used you findly Theodogy, and the People of Probability, where the Vocation of Cerls is examined, and they prepared to receive Orders. For the Courte of the Courte of Courte the Courte of the Courte of Courte the Cartelland, it was given to the Folios, who have made the Cartelland, it was given to the Folios, who have made the Cartelland, it was given to the Folios, who have made and the Pennice of the Cartelland the Cartelland, it was given to the Folios, who have made the Cartelland, it was given to the Folios, who have made the Cartelland, it was given to the Folios, who have made the Cartelland, it was given to the Folios, who have made the Cartelland, it was given to the Folios, who have made the Cartelland, it was given to the Folios, who have made the Cartelland the C other Learning.

either Learning. The Hockety de propaganda Fide, ella-blished for the preparing of Eccledaticks for Mitho-blished for the preparing of Eccledaticks for Mitho-newird: The Finicial whereof is that as Rome, edib-menter, the Principal whereof is that as Rome, edib-cation of the Propaganda for the Propaganda for the GEMINATION, in Natural History, Get. the AS - GEMINATION, in Natural History, Get. the AS - Special Conference of the Propaganda for 
See SEED. Aftom as the Seed is ripe, Dr. Grew observes, Na-ture takes several. Methods for its being duly Sytts: Note cally by the Opening of the Uterus, but in the Malace of the Seed in this. Thus, the Seeds of many personal control of the Seed in the Seeds of Flight more or lets heroad, that they may not, by fall ing together, come up too thick, and, that it on ling together, come up too thick, and, that it on flowed flowed milk a good Soil or Bed, another may hit. So the Kenels of Pires have Wings, though flour ones, when by they don't fly in the Air, but only flutter on the Ground. But those of Plypan, Dandelien, and motel of the papeus Kind, have controva long Feathers, by being laid in pringy delifte Calis, Chief and Soil of the papeus Kind, have controval long flexible, and being her papeus kind, have controval long flexible, and the proposed flexible and the crack and borth, date their Seed at convenient Editators: Thus, Wood Sorrel baving a running Root, Nature fees fit to tow the Seed at fome Diffunce, the doing of which is effected by a white, furtly, tendinous Cover, which beginning to dry, burfts open on one Side in an Inflata, and is violently surred Infide outwards. The Seed of

In the whee Soul at from Pathener, the design of which is estimated by a white. Sundry, therefore Cover, which beginning to dry, butth open on one Side in an Indian, the estimated by the street of the street of the street, and the street of the street, by mean of a Spring, sound, or get round the Section of the Street of Street, which is street, by mean of a Spring, sound, or get round the Section of the Street of the Street of Street, which is street, and the Street of Street, and the Street of Street of Street of Street, and the Street of Street of Street of Street, and the Street of Street of Street of Street, and the Street of Street

af esporing it. The fectord comes from Friphis The infinite is saided State of Mother. The belt of shelf Kind in saided State of Mother. The belt of shelf Kind Legars, of a noderness Storm, they she has a narrow Legars, of a noderness Storm, they she has a pile genera Colour, a powerating Standl, soft his part of the state of the said of th

The left dass quelturing found innerstone, Dr. Ruisson cherron, in this witch is integral based, and which limits in the particle of the property of the second in the particle of the particl mouse compositions of that Intention. This is to meient in Medicine, that Schroder says, Scrapion field prescribed it.

Soldermet Quanty to be in it; and accordingly ordered associated Quanty to be in it; and accordingly ordered associate in Medicine, that Schurch etc., Soc. Programmet associate in Medicine, that Schurch etc., Soc. Programmet associated in the Convention of the Principal Inhabitants of a State, who have a Share in the Conventionett. See Synaxyou. As, the Sonze of of the Principal Conventionett. See Synaxyou. As, the Sonze of of the Principal Conventionett. See Synaxyou. As, the Sonze of of Principal Conventionett. See Synaxyou. As, the Sonze of of Principal Convention. See Synaxyou. As, the Sonze of of Principal Convention. See Synaxyou. As the Sonze of of Principal Convention. See Synaxyou. As, the Sonze of Sonze of Principal Convention of the Sonze of Sonze

at.

SENATOR, a Member of a Senate. There were Two
Orders, or Degrees, among the Roman Nobility; that of
the Senators, and that of the Knights: After the Two,
Same the People. The first hundred Senators were apPointed by Romalus, called Patres. Upon the Union
With the Calving Degradue. posted by Remains, called Parres. Upon the Union with the Sabiret, Remains, or, as other lay, Tullius, added a second Hundred, called Parres majorum Gentium, to distinguish them from a third Hundred added by the elder Torquin, and called Parres minorum Gentium. The

S IN Number of Standart was not fact. In the Time of Grace clear they were Good, during the Grait Warmer of Grace clear they were Good, during the Grait Warmer of Grace clear they were Good, during the Grait Warmer of Grace. The Clear disposite founds them back again New York of Grace and Grace of Grace and Grace of Grace and Grace of Grace and Grace of Grace o

vill 17 Ners of Age.

Sozer make a Dillindhou among the Starteri. Be.

fides the Stratteri who were allowed to Speak, and were

saled their Sectionness, there were others, who, without

speaking, or being ever asked their Opinion, were only

to the strategies of their strategies of the strategies of

Ander we're time called, who having never bose his former on foot.

The General allow and the General Control of the Control o

Objects, by Means of the Organs ot Stepp: one System.

To conceive the Manner wherein Singlation is effect-of to Obstere by the way. That all the Organs could be obstered to the obstered 
Sleep, when the Nerves are in a State of Relaxation; the Soul does not then receive any new Synfation. But if the Nerves happen to be agitated in the Brain, by the Soal tools with the feet by the Soal policy of 
generiese shat paffes out of this Part, by the surdiations of the Fibers terminating in a. See Nexty.

Their Things premited, well so the difficult to explain her shortly of the things of the property of a Needle, for Induser, is prefited against the Mandy,
which Fibers are extended from that Takes to the Brian,
and when we are availed, are in fach a Deppre of Tenorithm of the Part of the Rain corresponding to these of the Part of the Part of the Hand, at it happens in Barring, the Motion of the Fibers in the Bain will be proportiously yield finished and only the Part of the Part of the Part of the Rain corresponding to the Part of the Rain corresponding to the Part of the Pa

Mind is stiftled.

The Mind, we have observed, refules principally, if we may be allowed to tay fo, in that first of the Binis may be allowed to tay fo, in that first of the Binis which we have a test shortly and office the test of the Binish and the American and the benefit of all the Farts of the Body; and, of consistence, must be been accertained at all the Changes has the consistence, and the beautiful of all the Changes and the Consistence of the Body, and the Binish and the Binish and the Consistence of the Body, and the binish therether, have other above the Body and the Binish 
effentially different The Motion, for Instance, which canses Pain, frequently differs exceedingly little from that which occasions Titillation: "Tis not necessary there should be an Essen Trultuiers 'Ti ou' recellary there Bootle kan Efficie un'in Difference beveren their tow Motions, but 'rise-cellary there be an Efferial Difference between the test of the South per the Appendix of the First, which accompanies the Trultuien, informs the Soul of the good stars of the Body, that it is able on off the begun of the First, which accompanies the Trultuien, informs the Soul of the good star of the Body, that it is able on which the sould be supported by the star of the Body of the Bo does not perceive the Shakes, or Motions themselves, which Objects excite in the Fibres of the Flesh 11 would be Objects excite in the Fibres of the Fieft: It would be uslicife to perceive them; and fix would never be able, thence, to learn whether the Objects were capable of doing Hart or Good. But the perceives hereiff affected with Swiptitions, which differ effectivity, and which then in the control of the contro

In Effect, from a first? Examination of the ferent Sentles, is appears, that tensible Objects act no otherwise Sentles, is appears, the sentles of the sentles of the secting a Canage in the extreme Sarties are sentled of the Newses. The Quality of which Change depends on the Figure, Bulk, Hardneits, and Morton of the Object; fo that according to all Appearances, the most different for the second of the sentless of the sentless of the sentless would reached the sentless of the sentless of the sentless of the would reached the sentless of the sentless of the sentless of the would reached the sentless of the sentless of the sentless of the sentless of the would reached the sentless of the sentles Objects, which Mould agree in their four Circumstance, would produce the fame Soughties. From the various Texture of the Object; the Divertity of the Nerve affected, the different Pabric of the Organ of Sense; the different Place in the Medalls of the Brain, where the Nerve arises, and the different Degree of Motion, wherewish anies; and the different Degree of Motion, wherevolve the Action of the Object is applied, arise various Scople tions, and Ideas, in the Minds none of which represent any thing in the Action of the Object, or in the Patino of the Organ. And yet the fame Action of the fame Object, on the fame Object, on the fame Object, on the fame Object, on the fame Object of the Object of t the fame Difpolition of the fame fensible Organ, in the fame manoer as if the idea perceiv'd, were the natural and necessary Effect of the Action on the Organ. See

sime manore as if the idea perceiv c, were no assurand as accellary Efficie of the Ashion on the Organ. See and accellary Efficie of the Ashion on the Organ. See assurand Objects, by means of fome Ashion or Imperface accessed to the Ashion of Objects the Ashion of Ashion the Matter and Marier of that Properties is regularly and we have from way Ways of perceiving, and of pre-ceived in the Timey. It is the Relation we learn for the Common form of the Relation we have been controlled from the Relation of the Relation was been considered from Common for our Being. Hence both fewer Olgogaes of July, and the July of the Relation for the Relation of the Reper to the Ninds, of the State of raiser and Things, the Neutrals, Commission, Harriston, and Things, the Neutrals, Commission, Harriston, and Things, the Neutrals, Commission, the Relation of the Reper and Immediates, they of the Diagon, or Community, And Issoe the Street Exercise Training, and The Relation of Th Feeling.

For the general Manner wherein our Senfes act; or, more properly, the Manner wherein we become Senfille, that is, perceive external Objects; See Sensation. For the particular Senfet, or, more properly, the parti-cular Manners, wherein we become finishe, by the parti-cular Organs of Senfe; See Hearing, Seeing, Smet-

calter Organs of Sorfy; See Healthier, NELLING, 157.

For the Street Street Street, and the Street S

the Night, could for, fin firm: Time, to read a modurary rigio. In the Philippia Time, The Year Law Paster and Law Price of the Philippia Time, No. 111 we have an account of Dare, Price, who contracted Darie, Joseph Williams, and the Price of his days, when, we may be a price of the price o

Sense, he confiders, either as Natural, or Moral: and

of the Mind, to receive Ideas. See I 124. The Mean may received, or railed in the Milling, he call soft-general may be considered, with the search of the Milling of the Mi save nothing of what we call feuble Perception in them; And in thole which have, the Pleafure arities from founc Uniformity, Order, Arrangement, Imitation, and not from the fimple Ideas of Calour, or Sound, or Mode of Extension separately considered. It feems hence to follow, that when Instruction, Education, or Perjedice, of any Kind, raife any Desire or

Artefion toward an Object; this Defer, or Avenius, it founded on an Opinion of fome Perfection, or Defeisers, in the Gallette, for Perception whereof we have the proper divide. Then, if Bearty be defired by one made have been been properly of Figure, Sweet-need of Voice, Smoothed Regulating of Figure 1, 1997, 199

the Bate of Color.

The coly Bellary of Study, which our Philosphera from to conder, is that which seconguain the simple from the conder, is that which seconguain the simple fracts in those conders, the second that the second to the second that the secon

Moral Sense, is a Determination of the Mind, to be pleas'd with the Contemplation of those Affections, Acti-ons, or Characters of rational Agents, which we call

one, or Characters of misseal Agents, which we call Than Mond Soph of Benry in Affors, and Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians, and we have for the Preference of the Affolians and Affolians, and the Affolians and Affolians, and Affolians, and Affoli

# SENSIBLE Horizon See SHORIZON.

SENSITIVE or SENSIBLE. Juni, the Soul of Brutes, or which Man is furprised to have in common with Bertet. So which Man is furprised to have in common with Bertet. So which Man is for the sensitive of the sensit municate its Aftion; fed partly with oily Matters, and partly with aqueous ones; incloid in the Mody, and in the more pertech Animals; principally in the Head, moving along the Nerves; and retired and repaired by the Spirituous Blood of the Arteries. Bac. de Magment. Scient. Lib. 1V.

EMB. IV.

SENSITY PLANTS, a Species of Plants, call'd by the Accionst Alchymantussis, and by us Sculints, Living or Minite Plants, as giving form Tokens of Sculft. They care such whose Frame and Constitution is so nice and tender, when at the Turch or least buffer is so nice and tender. such whose Frame and Conflictions in the days, assent sets that the Took, is cell Preferre on our Fland, they will contrast their Leaves and Flowers, as if fingilities the Contrast their Leaves and Flowers, as if fingilities the Contrast Bearing Warner mention many Kinds and the Contrast Bearing Warner mention many Kinds others with Aller Market and again of the them, if not man, Vegetable expand their Flowers, Down, Gri. in warm, Son-Briny Warhers, and again of the them, if not many from the Vegetable expand their Flowers, Down, Gri. in warm, Son-Briny Warner, and James Sander Sander and Contrast the Contras fellow next Day; for if the Flowers be close that up, it betokens Ram and foal Weather; if they be firead abroad, fair Weather, Ger. Herb. 534.

SENSURY, or Senferium Communit, the Seat of the

about, in whether Gell Fifth, John L.

Chamber Gell Fifth, John L.

Chamber Gell Fifth and the Chamber Gell Fifth problem in monetarity to entitle. The design is designed under the Chamber Gell Fifth and the Ch

dictory, &c. of Abfolution, Excommunication, &c. Su-perior Judges either confirm or annul those of Inferior ones. period Judges either confirm or annual tholic of Inferior ones. See APPELD. "There endopmathed Survenze, I'ves Sentantial Confirmation of Partice endopmathed Survenze, I'ves Sentantial Confirmation of Partice Confirmation of Partice Confirmation of Partice Confirmation of the Inferior Confirmation of the Judges can take effect. The first Degree of Jurisdiction service listing of Judges and Appeal lies to the programment of the Judges can take effect. The first Degree of Jurisdiction service listing of Judges and Appeal lies to the ori mimediately to the Pape. If the Appeal come from the Mercropolitan to the Pape, the Pape is dollaged to delegant Judges in Particular, and then if the Three Contracts paid to an infect Three Diagness to conformable, there is no farther than the Paper of the Appeal: but if one of them annul another, new Judges are to be required of the Pope for a Fourth Sentence; and thus they fometimes proceed to a Sixth, or Seventh Sentence. Such a Number of Jurisdictions, is found infinitely 

a Noun for the Subject, and a definite Verb: Whatever is found more than thefe Two, affects one of them, either immediately, or by the Intervention of fome other, whereby the first is affected. Again, every Sentence is either Simple or Conjunct. A Simple Sentence is that confishing of one fingle Subject, and one finite Verb: A Conjunct. Sentence comming several Subjects and finite Verbs; either Satteste comtum feveral Sabjella and finite. Verba; cither expertly at multifactivity. A Sample darmer needs no Pont or Diffrictions only a Fernd to cloid rt s. a., Jose Marcher Fern Prince 1997, in a Sabjella charge, the first state of the same state of the sabjella charge in the sabjella, or as a sabjella charge in the sabjella, or as a  a sabjella, or as as a sabjella charge as a sabjella, or as a sabjella charge as a sabjella, or as a sabjella charge as a sabjella char

fame namer eicher in his Subjed on the Verb, the dos-fame namer eicher in his Subjed on the Verb, the dos-namer family Verbs as three are, either expertly, or implied, a many family Verbs as three are, either expertly, or implied, a formal property of the property of the property of the formal property of the property of the property of the formal property of the property of the property of the Verbs a three are in schorator, the major Pathendro dos-tic really contains. Wheever, invertigat, there excert nown to really very many of the property of the property of the every view requires insidelying, whether the second are and. Since, a very subject requires insidelying, the every view requires insidelying, whether which any see bank at mongal the Contact Kinda perceivably any the soft of mental fine of the property of the property of the area of the property of the property of the property of the area of the property of the property of the property of the way whether the contact of the property of the pro

S L L P

The fare Minner; is at least floreshing, whenty one of
them is all fidely it is, a f good, with, farmed Man, is a
fidely it is, a f good, with, farmed Man, is a
fidely in the manner of the Minner of Man, is a
fine for the manner of the Minner of Man, is a
fine flore from one number. Again, when I size, the
te feparated from one number. Again, when I size, the
term of the manner of the manner of the forest
which are likewise to be diffinguithed from each only.
The Cole is set for man in develor is, as forest of small
Adjunct immediately saffect the Subject; in the Plant,
which are likewise to be diffinguithed from the other
to the forest of the manner of the manner of the manner
and the difficulty of the manner of the manner
to the the collection of the manner
to the collection of the collection of the manner
to the collection of the collection of the manner
to the collection of the collection

Pranon.
Saverance, is also used in Poetry, &c. for a flow, pinhy Remark or Reflection, containing force Sentence of our in the Cookied of the Re. Applicative Systems and the Cookied of the Research of the R some give a Freen too Paildophied as Ary and Assertion and Assertion and Assertion Ass

See. Meinge derives the Word & Sharmash, from per Silbert Aller (1998). The West Aller (1998) and West Aller (1998) and West Aller (1998) and Willer (1998) and the West Aller (1998) and the West

communicated him, and was reciprocally Excommunicated by him. Soon afterwards, a Fifth, named Smith, crecked a like Church at Legdon, but it dwindled away after his Desth: And Separatifus was brought very low, when Redunfos appeared, and rais'd its Head. He fotien'd the See INDEPENDANTS.

sechnus-sananzis.
Heimitt mentiona sembre Clafi of Separatifit, call'd Sejas-Spierefit, that it, Separatifit and in Itali. Seme lead to the Separatifit and in Itali. Seme lead to the Separatifit and italian services and season-Spieratifit; servi teis added, that the Seas-Spieratifit, under protence of taking a Medium between the grounding and the Chart of Zejaster, wort further even comparatifit degenerated into Separatifit und a Italia. Separatifit und a Italia. Separatifit und a Italia. Separatifit und a Italian separatification of the Separatifit und a Italian separatification of the Separatifit und a Italian separatification of the Separatific und Separatification of the Separatific und Separatification of the Se

Dominica. SEPTA, in Antiquity, were Indefenes, or Rails, made of Boards; through which they were in, to give their SEPTA, in Antiquity, were Indefenes, to give their SEPTAMER, Falls of the District of the SEPTAMER, Falls of the District of the SEPTAMER, Falls of the District of SEPTAMER, Falls of the District of SEPTAMER, Falls of the District of SEPTAMER, Falls of Serventh, from the Fernal Falls of Serventh of SEPTAMER, Falls of Serventh of SEPTAMER, falls of SEPTAMER, and the SERVAN SEPTAMER, and the SERVAN SEPTAMER, and SEPTAMER, and Antiquity. SEPTAMER, and Antiquity, SEPTAMER, and Antiquity, SEPTAMER, and Antiquity, SEPTAMER, and Antiquity, SEPTAMER, and Antiquity.

Appellations have all gone into Admir. See Evolo. The Ger-SEPTEMVIR, in Antiquity. See Evolo. The Ger-ment formetimes afe the Word Septemvirate, for the Seven ment fonctimes use the Word Spfremerars, to the overe Electron of the Empire. See Euceron. En Confella-SEPTENTRIO, in Aftracoury, a Northern See Total See, more usually call Oxfor invest, or the little Bear, and by the Feople, Charlest Wain. See Unan Mixona. The Words is comfort from the Latin, Septem, a scond of the The Words is comfort from the Latin, Septem, a scond of the see Confellation, were yould to the Charlon.

SEPTENTRIO, in Cosmography, the fame with North; hus call'd from the ancient Constellation Septembro, one of whose Stars, is the Pole Star. See North, Pole-SYAR, Ste. Hence also Septemponal, something be-longing to the North; as Septemponal Signs; Septemponal Parallels, &c. those on the Northern Side of the Equa-

SEPTIER or SETIER, a French Measure, SEPIEK of SETIEM, a Present measure, cittering so-ording to the Species of the Things measured. For Liquors, the Spiter is the fame Thing with the Chapter of High pine. See Chornes. For dry Measure, the Spiter is very diffe-tent, in different Places and different Commodities, as no commodities of the Spiter Spiter.

nessgener was finnes along with net Coopine or Ball frient, commonities a sone to the control of the sone of the control of th

SEPTUAGINT, LXX, or the &venty, a Term tons among Divines and Criticks, for a Vertion of the G mea among Divine and Critics, for yellow etc. of Collegen of the University of Collegen of the Collegen of College

out from what any of the refl had does, they were all the fails, designing, serveny. The Chromicay of the Sourcey, is an Account of the the Aline, Straingering, serveny.

The Chromicay of the Sourcey, is an Account of the the Aline, Straingering, serveny, the Aline of the Aline

System Fallotton, in a Bernisson Gentrating the Two upper Sec Baaxus.

Selection Medium, or Gorda, is a Separation between the Sec Baaxus.

Selection Medium, or Gorda, is a Separation between the Selection of the Selection Sel chers, Bernid Hunfe; in Contraditinction to their Houster and Plates, which they call? James by reasin of the float Sejourn we have in the one, in Comparison of the long and the service of the contradition of the long and with Delign to visit Gotton Haginings are all made with Delign to visit Gotton Haginings are all the Tomb of Fifth Chris, No Body camer here but but-footed, and with a World of Ceremonics. The particular contradition of each Plagtin, whom Devotion carries to the Heavy of the Christopher and Order of St. Savenessen, on the Hell's Appallers, an Order of St. Savenessen, on the Hell's Appallers, and Order of

American State of the Afgins, whom Devention Control Tests at Livers of the My Studies, an Order of Regular Casson, and early unknown of myrenflates, in a control test of the My Studies, and the My Studies and 
added to that of our Lady of Bethlehom, which lifely, exaling, they were bethowed in 1484, on that of the Knighars of St. John of Fernjalom. But the Supperfilmed and not take Place in Polemat, nor in feveral Provinces of Germany, where they fill! fabilit: Their Georal is in Polemat. Their Habut, Father Helya observed, was different in different Places,

St. SEPULCHER, or the Holy Sepulcher, is also the Name of a Military Order, Establish d in Palestine. Most Name of a Military Order, Antabulard in Fanguerie. Now where who meant in this Chefe, rays in lolitation as for back as the Time of the Apolle & Tomars. But all the hast of Commerce, the control of the Commerce of the Comm frey of Bandgare, or his Societific Baldsirin; shough Ferrys and & Balley, at those it to this latter. The certain, there was nothing but Canons in the Church of St. Sphicker, till the let a 11st 4 and 1 are more than the Church of St. Sphicker, and the strength of the Church of St. Sphicker, and the strength of the Church ielf and his Succellers. Lex X. and Genner VIII. gramed to the Guardino of the Religious OS II. Fennets, in the Belg Lexi, the Power of making their knights, which the Belg Lexi, the Power of making their knights, which by Bell of First IV. In 1855, the Religious of this Order in Henters, choic 2016/11, In 1855, the Religious of this Order in Henters, choic 2016/11, Knig of Spain, their Master y and afterwards his Souli Ber the Grand Malles of the attraction the Dake of Never affirmed the Inne Quality in Pomor, the firme Grand Malles, by his Interest and Credit, procured a like Remounistion of him, and a Confirmation of the Union of this Order to that of Jakkie.

firmation of the Union or trust Lucia vi uses a Separation of the Separation of Tomba. Separation of Tomba. See Savuccura. Separation of Antiquity. See Inscriptions are the furth Monoments we have of Antiquity. See Inscription. Separation of Antiquity, See Inscription. Separation of Separation o

COLUMN. COLUMN.
SEPULCHARL, is also the Appellation of a Sect.—
Sepulchul Hiericki, were thus call'd, from their principal Error, which was, That by the Word Hell, whiter the Scripture tells us "fight Chrift defended after his Death, they understood his Sepulcher. They maintained, That Jefus Chrift only defended into Hell according to the Scripture of the Management of

SEQUEL, SEQUELA, in Logic, 2 Confequence drawn from fome preceding Proposition: As if I fay, The Human Soul is immaterial; and therefore Immortal: The last Member of the Sentence is a Seguel from the

first.

SZQUENCE, in Gaming, a Series or Set of Cards following in the same Suit or Colour. A Sequence of Four Cards, of Five, 5%. At Prepare, thefe are call of Bourts, Fifths, 5%. Quarts, Quints, 5%.

SSQUESTRATION, in Common-Law, is the feparating of a Thingin-Controverty, from the Poliction of both Parties, think higher bedeeminged by Control Law. This Parties, 11the Right be determined by Control of Law. This is off 'Wo obers, 'downtoney, or Notifyers' Voluments, it has which is done by Confect of each Party. Notifyers, it is that, which is loggle ofthe by his Androvity, whether the Parties will of note. Suppliments, is the Civil Law, is the Parties will of note. Suppliments, in Cold and Chartles of one Deceated, whole Ethers on Miss will modelle with, A Wildow is particularly fail of Suppliery, whee the disciplinarity of the Confect of the Color and Chartles of Martine Misses.

Among the Romanifts, in Questions of Marriage, where the Wife complains of Impotency in the Husband; she is Sequester's into a Convent, or the Hands of Matrons, till the Process be determined.

the Process be determined.

Sequestration is also used, for the gathering the Fruits of a Benefice void, to the Use of the next Incombent. In the Time of the Civil Wars, Sequestration was used for a Scizing of the Estates of Delinquents, for the Use of the Comm onaveal th

Usé of the Commonwealth, Gold Coin firmés at Fenior, and in fereral Parts of the Grand Seignior, Stares, particularly Zerry, swingler, to Louise the Mysner, or controller to the Seignior Stares, particularly Zerry, swingler, to Louise the Mysner, or Parts of Germany, are call of Hingarines Septials. Part of Germany, are call of Hingarines Septials The Value of the Legislary is different, whose of Friedmany, by one frifteenth. In the Legislaries the Difference is different to the Seignior Schollerscope in 10 ll more

femille : The Venetian Supris being current for Four Rouples, and Six Pellis, or g. 1, 4.6 Strelling, and the Thrigh Strelling by the Gue Kanger, or g. 1 See Ducar, Thrigh Strelling by the Gue Kanger, or g. 1 See Ducar, as as (appelling the Stephin fill frack at Chicians. Mening, from the Intilize sections, of Steen, at Town belonging to Paint. See Coarsa. SERAGLIG, succept the Leonarist, the Palace SERAGLIG, succept the Leonarist, the Palace SERAGLIG, succept the Leonarist, the Palace the Eubstilder of England, of France, 15%. The Word is controlled France, where it is able than Signification, 19%.

Frince or Leed. Al Configurate spic they fire described the Institution of England. of Penas, C.T. We Word in the Institution of England. of Penas, C.T. We Word in the Institution of England. of Penas, C.T. We Word in Secretary of England. Penas of the Cornal Science in Configuration, where he level is the Configuration, where he level is the Configuration of the Penas of the Cornal Science in Configuration of the Penas of the Cornal Science in Configuration of the Penas of the Cornal Science in Configuration of the Penas of the City, at the End of the Penasonry Configuration, such as the End of the Penasonry Configuration, and the City, at the End of the Penasonry Configuration, and End of the Configuration of the Penasonry Configuration of the Penasonry Configuration of ice Penasonry Configuration of Penasonry Configu

Name, which is formed from the Eddere Boor, Priv. of States, selection, See Harsan earth.

SERAPHICK, forestining belonging to the Strephile, See States, and Stat

Fervoar. SERENADE, a kind of Concert given in the Night-SERENADE, a kind of Concert given in the Night-Time by a Gallant, at his Militefa's Door, or under her Window. Sometimes it confils wholly of Infirumental Mufic; fenetimes Voices are added; and the Freez com-pold or play of on thefe Octaffon, are allo call? Strenates, We don't know whence the Weed thould derive, unless from the French, Servin, the Dew falling in the Night-rom the French, Servin, the Tow talling in the Night-

SERENA GUTTA, in Medicine, a Difease, the fame

SERENA GUTTA, in Medicine, a Diffeste, the func as Amasurific. See Anarons of Tule of Homour given to certain Friences, and chief Magifestes of Republicks. The King of England is Hild, The supt Strene. The Term is all opplied to the Dogs of Fener. The Pope, and the Sacred College writing to the Emperor, in Kings, or the Dogs, By the United States of the Conference. The Forming texts. This of Structury above that of Highards in def Alfragherds of the Castro Orientees, where was a Chilings between the Castro Orientee and Frience, pleasage the Emperor to the Castro Orientees, were absorbed under the Tilde of Structs. This kings of Frame of the First and Storm Kerney and Castro Orientees, which was controlled to the Tilde of Structs. The Kings of Frame of the First and Storm Kerney and Castro Orientees, which was the Castro Orientees of Storm of the Castro Storm of the Castro Orientees of Structury to the Enclosing and Castro Orientees of Structury and Castro Orien Venetions fer the Title of Sevenity above that of Highness

to the other Princes.

SERGG, in Commerce, a Woollen croft'd Sruff, ma-nufactured on a Loom with four Treddles, after the Man-ner of Rateens, and other croft'd Sruffs. The Good-nets of Styges is known by the Crofting, as that of Cloths by the Spinning.

Cloths by the Spinning.

Of Sarges there are various Kinds, denominated either from the different Qualities thereof, or from the Plasts where they are wrought. The most confidentable is the Landon Sorge, now highly valued Abroad, particularly in Hanner, where the Manthébere is carried on with good Succels, under the Title of Sorge Facon de Londres.

Mana

Monufacture of London Syname

For Would, the longed is chose for the Warp; and the fourth for the Wood. Eve enther Kad is used, we followed the work of the contract of the work of the contract of the work of the contract of the work of the

The Wooll, both for the Warp, and the Woof, being un, and the Thread divided into Skains; that of the oun, and the

pon, and the Thread stricted him Skinn; have of the Worlipson on Special quality have been from special home. Worlipson on Special quality has been found that the home Warp word on a King-of Washingt, and that the home Warp word on a King-of Washington has been found warping. When word, the infinite half and it is also the Warp word on a King-of Washington of Fachances in a field whe feet, and when a fire production rating the word of the word of the word of the companies of the When measured on the Leon; the Wordson rating is a field when the word of the wordson as a fire of the Beed) by means of functions place in the district of Loon, which he makes on all transferred, equally, and known which he makes on all transferred products of the wordson of Smith growth from one Side to the collect, and explain tion as the Threads are rasted and sowered, amows the Shattle across from one Side to the other; and each Time that the Shuttle is thrown, and the Thread of the Marp, firskes it with the Frame to which the Read is fathered through whole Teeth the Threads of the Warp past; and this Stroke Teeth the Threads of the Warp past; and this Stroke Teeth the Threads of the Warp past; and this Stroke Teeth the Threads of the Warp past; and this Stroke Teeth the Threads of the Warp past; and this Stroke Teeth the Threads of the Warp past; and this Stroke Teeth the Threads of the Warp past; and this Stroke Teeth the Threads of the Warp past; and this Stroke Teeth the Threads of the Warp past; and this Stroke Teeth the Threads the

Tech the Thesaic of the Warp pair, and this Stude is negatively on this, or even more, in the judges the Coulding was drops attended that Thesa is pro-teed to the pair of the country of the pair. The Style was than of the Loun is carried to the Pallet, who falls, or from it, in the Tough of his Mill, or from it, in the Tough of the Warp and Stones and Fills. After there exist is proper of a supply large than the sufficient on the Tough of a which land of the Theodern, or Fyrer, day paid off all the Stand of the Theodern, or Fyrer, day paid off all the Stand of the Theodern, or Fyrer, day paid off all the sum Land Starrey, the Standard Standard Standard Standard souther dollar Then remain is much be Falling Tough, says may see the Standard Standard Standard Standard Standard says with the Standard Stan where its work'd with Water formership more than the same, with Soap difficient therein, for rate west Home. To then with'd out, till find: Time as the Water-be was 100 med of Soap left: 100 med of the same of Soap left: 100 med of the same of th

Debter is in the Civil Law. As they are the mult Learned and Experienced, here is one Coart appropriated to plead in by themselves, which is the Common Pleas, field in by themselves, which is the Common Pleas, observed by the type of the Coart, where the Judges (who mult first be Supposer) and them Providers. They are called by the Kingh Mind and them Providers. They are called by the Kingh Mind and the Providers of the Coart, where the Judges (who multiple the Coart, where the Judges (who multiple the Coart, where the Judges (who multiple the Coart of the C

Custa, etpically Treafor.

The Sopposition were assistedly called Sorpientes at L. 1916, pages 1916.

The Sopposition were assistedly called Sorpientes at L. 1916, and Sorpientes Merchantes: Mr. Solden adds, That 1916, which was solded to the Sopposition of the Sopposition and the Sopposition Resolution of Sorpientes Legis, and the Sopposition Resolution of Sorpientes and Sorpie

of a Doctor is Magifierial, but that of a Sergeant Mi-niferral. Hence the Doctors are feated and covered when they plead; but the Sergeants shand uncovered at the Bar, excepting for their Cost. Sergeans at Arms, is an Officer organized to at-

when they pend is but one secondary final annovered at the property of the pend of the pen when the King goes to the Hoat of Lords. There are likewise for outcomer custral in the fine Manners; One, who attends the Lord Chancellor; a Second, the Lord Chancellor; a Second, the Lord Chancellor; a Second, the Lord Common, and a Fourth, attending the City of London. They have a confidentle Share of the Floor, in They have a confidentle Share of the Fees of Hoosen, and attending Changes allowed them, when in wairing, see: Pro: Shillings per Dray, when the Court is within a continuous control of the Court in which they have been considered the Court in the Court in which they have been considered the Court in the Court in which they have been considered the Court in the Court

Milles of Handen: They are in the Locd Chamberham's Gilaconators, in Way as infantised from the Copy, in each Company, send each at Hallo-Biece of Fore, in each Company, send each at Hallo-Biece of Fore, in each Company, send each at Hallo-Biece of Fore, in each Company, send each at Hallo-Biece of Editoria, and the Copy of the

rene Servi, in the Cabiness of the Carious; we unem, as Could derive, for imagenerate, of the event Mediat. The Could derive, for imagenerate, of the event Mediat. The cool of cross of the cool services are consistent of the cool of t

roas and most confiderable of all the Modern Kings, Stratts, in Algebra, a Ranke or Progression of Opasti-ties, increasing or decreasing in fone confine Reirs; which, in its Progress, approaching fills reaser and nearer fone fample Value, is called a Convering Orner, and it infinitely continued, becomes could to that Quan-tity; whence its usual Appellation of Infinite Strate; Plant of 2.5 - 2, 1-2, 45; Centus et aborte, which all the converges, or approaches, to the Value of 1, and which is the contraction of the Contract of the Con-traction of the Contraction of the Contraction of the progression of the Contraction of the Con-traction of the Contraction of the Cont

SER | 60 | The Dollrine and Use of lapinite Stries, one of the greatest Improvements of the prefers Age, us one of the greatest Improvement of the prefers Age, us one of the form Dr. Wallier Arithmetick of Indiante. It takes Here principally in the Quadrature of Curvers: Where the principal is the Quadrature of Curvers: Where Age and the Age of the Daniel Stries, which, indiants of the Contract of Contract where we are glad to expertil them by a Stries, which, indiants of the Daniel Stries, which, indiants of the Contract of Con

Sorter.

Observations the Sorter for not proceed by alternate who districts and Subservations, but by fining I-delineance, are hardings and Subservations, but by fining I-delineance, are latinity of Substractions; according to the Position of the first Reven. In all their Lighter Servations as all the Terms are only equal to a fining Magnitude and the Terms are the contract that they be for a strend I-delineance that they be for a strend I-delinean Contract the first Terms for the contract that they be for a strend I-delinean Contract the I-delinean Co

ner: 1, for Instance, being equal to the Bries 1 2 7, &c. bus, there is this Difference between them, that where-as irrational Numbers can only be expersed in rational Numbers, by such Bries; rational Ones need no such

as irrational Numbers can only be expertifed in rational Numbers of the Cheen redo on Soft Numbers, by the Cheen redo on Soft Numbers, by the Cheen redo on Soft Numbers, by the Soft Numbers of Numbe

would only make Half: In like Manner, all the Fourth correlating to Infinity, would only make one Third, and the Half of the Half of the Half of the Half of the creating geometrically, is not only always finite, the may even be fall that my finite Question Half on the Manner were be the Half of the fall of the Half of the Half of the Half of the Half of the Questive takes feveral Times, in the Inne Whole; the manner of the Half of the Half of the Half of the Questive takes feveral Times, in the Inne Whole; the manner of the Half of the Half of the Half of the Half of the Manner of the Half of the Ha The state of the s

may be touch, and by another, wome some causes to generate years collect under the first Defination of Arthunetic. It experted intrational Numbers exactly in Lines, and metels not have Recorde to Soften Service Lines, and the other Networks to Soften Service Lines, and the other Networks to Soften Service Lines, and the state of Service Lines, which claims to the Recording the Service Lines which claims to the URL Definition of Commercy it fell in under the like Emburght Lines, which causes the serverified other in General Service Lines to the Service Lines which was considered to the Service Lines which was commerced to Commerce and Conference and Lines equal to Courters 5 of that in Retains, for Indiano. I shall be served to Courter Service of Conference and Courter Lines of Conference and Conference an

by another Series presupposed.

To find a Server expression a Quantity sought, by Division,

Suppose a Series required to express the Quotient of selected by a + c. Divide the Dividend by the Divide as in common Arithmetic; continuing the Division all the Quotiens she with Order of the Progession, or the Law, according to which the Terms proceed to Instity Still observing the Rules of Subtrastico, Maliripleating, and Division about the changing of the Signs. The Process carried on, the Quotient will be found

\frac{bc^2 - bc^2}{a^2} \begin{cases} &c. in Infinitum. These Four or Five Tenns and found, both the Querier and Massor of the Davidios How, That the Querier confidence of an Indian Service of Terus, whose Numerators are the Penetral Service of Terus, whose Numerators are the Penetral Service of the Order to the Continuous Carlos of the Order of the Order by the ty, whose Denominators, are the Powers of a, and their Denominators quall to the Number of the Order of the Terus. E.gr. In the Third Terus, the Power of as the Terus. E.gr. In the Third Terus, the Power of as the Terus of the Order of the Terus of the T

Hence, 1°. If b=1 and a=t fubflituting this Value for that, we have, in that Quotient 1-c+c'-c', Sc. to Infinity. Wherefore 1 =1-c+c3-c3, Sc. In

infinite ---

infinite — 1. If then, adly, that Term in the Quotient continually decrease; the Stries will give a Quotient as near the Tunh as possible. E. gr., If b=1, cent and s =2; these values fublithated in the general Stries, or the Division performed as in the general

Example 3 we find find  $\frac{1}{2} = \frac{1}{2+1} = \frac{1}{2+1} + \frac{1}{2+$ fore the Series is continued, the nearer it approaches to

Truth, but never arrives at it, After the like Manner we find  $\frac{1}{4} = \frac{1}{3+t} = \frac{1}{2} - \frac{1}{2} + \frac{1}{4}$ 

 $\dot{\tau}_i - \dot{\tau}_i + \tau_{ij}$ , &c. In infinit,  $\dot{\tau} = \frac{i}{4+i} = \ddot{\tau} - \dot{\tau}_i + \frac{i}{4+i}$ statement (b. In Inflution) = 4-1 and (s. 4 + s.) and (s. 4 +

1 = 1 + 2 the Quotico will be found 1 − 2+4−8+1 + 5 + 6 Quotico will be found 1 − 2+4−8+1 + 6−6+128, €6. One Term, 1 exceeds \$\delta\$ by an Exceed of \$\delta\$, Two Terms come thort by \$\delta\$. There Terms exceed by \$\delta\$, Four fall thort by \$\delta\$, \$\delta\$6. If the Series be fupposed to terminate in-8; then will  $\frac{1}{r+2} = 1 - 2 + 4 - 8 + 4$ . But 1 - 2 + 4 - 8 = -5 = 4. Therefore, = 16 - 15 = 1. Suppose the General Series to terminate in  $-c^3$ ; then will  $\frac{1}{t+c} = t-c^4 - c^3 + \frac{c^3}{4+c}$ 1+0-0+0+0+0-0+0+0+

To find an Infinite Stries
by extracting of RoosTo find an Infinite Stries
by presupposed Stries
To extract the Rooss of
a Infinite Stries

See 

Cuadrature of the
Circle

Circle

See 

Extraction of
Rooss.

an Infjunt Ortill.

SERMOLOGIES, in Church Hiltory, Books of Semmon, or Homilies of Popes and other Persons of Emissions and Statistics, and at the Paris of the Confession and Statistics, and at the Paris of the Confession and Confession and Confession of the Physham, See House IV.

SERMONES, Bor Ivil Influence Spire his Sayars. The Confession of Pather 20th Genes well of the Name. The Opinion of Pather 20th Genes well of the Name. The Opinion of Pather 20th Genes well of the Name. The Opinion of Pather 20th Genes well of the Name. The Opinion of Pather 20th Genes well of the Name. The Opinion of Pather 20th Genes well of the Pather 1 of Pather 20th Genes well of the Pather 1 of Pather 20th Genes and Indiana, I was a second to the Pather 20th Genes and Indiana, I was a second to the Pather 20th Genes and Indiana, I was a second to the Pather 20th Genes and I was a second to the Pather 20th Genes and Vanisher 20th. Cerminals, See Pather, 1 News 20th Vanisher 20th.

remote sum on Stryty, Profit, Accordant. His Odes have been constructed and the Control of the Control of Cont SERPENS, in Astronomy, a Confiellation in the Northern Hemisphere, called Serpens Ophinchi.

The Stars in the Conftellation Serpens, in Ptelenny's Catalogue are 17; in Tycho's 19; in the Britannic Catalogue 59. The Longitudes, Latitudes, Magnitudes, &c. gue 59. The Long hercof are as follow.

Stars in the Confiellation Sunpine Ophibent.

|   | flames and Situations of<br>the Stars. | Sig | Lor | git | udc | La  | titu     | de. | Magn. |
|---|--|-----|-----|-----|-----|-----|----------|-----|-------|
|   |  | 15  |     |     | Ir  | 0   |          | η   | 3     |
|   |  | πL  | 7   | 28  | 45  | 16  | 00       | 62  | 7     |
|   |  |     | ŝ   | 42  | 07  | 16  | 21       | 20  | 6     |
| • |  |     | 10  | 33  | 31  | 22  | 10       | oo. | 6     |
|   | Inform, preceding the Necl             | k . | 12  | 04  | 68  | 17  | 50       | 22  |       |
|   | and Head of the Serpent                |     | 12  | 30  | 00  | 19  | 27       | c6  | 6     |
|   | 5                                      |     |     |     |     | ١.  |          |     | ١.    |
|   |  |     |     |     | 04  |     | 32       |     | 6     |
|   |  |     |     |     | 04  | 29  | 59       | 11  | 7     |
|   |  |     | 14  | 26  | 37  | 17  | oī       | 48  | 7     |
|   |  | m   | 9   | 57  | 20  | 32  | 58       | 55  | 0     |
|   | 2.1                                    | mf  | 14  | 45  | 18  | 20  | 07       | 02  | 6     |
|   | lo                                     |     |     | 49  |     |     |          |     | 6     |
|   | First of Three under the Jaw           |     |     |     |     | 17  | 27       | 54  |       |
|   | That in first Bend of the Neck         |     |     | 29  |     | 10  | OI       | 52  | 7     |
|   | Preced. in 2d Bend of Neck             |     |     | 35  |     | .0  | 54<br>17 |     | 3     |
| • | reced. In 2d Bend of Nece              |     | 1/  | 53  | 10  | 35  |          | 38  | 6     |
|   | 15                                     |     | ••  | 23  | ٠,  | 3)  | 40       | 44  |       |
|   | *,                                     |     | 14  | 26  | 42  | 28  | 31       |     | 7     |
|   |  |     |     | 00  |     | 22  | 24       | 18  | 6     |
|   | Middle under the Jaw                   |     |     |     | 02  | 24  | 23       | 38  | 6     |
|   | Third and Subfequent                   |     |     | 57  |     | 24  | 36       | 12  | 6     |
|   | 1st from the Root of the Neck          | ć   | ıć  | 12  | 31  |     | 34       |     | 6     |
|   | 20                                     |     |     |     | ,   |     |          |     |       |
|   | Preced. in the   of the Head.          | ,   | 12  | TX. | 20  | 28  | cŝ.      | 21  | 5     |
|   | or in Extrem. of the Cheel             |     | 13  | 22  | 17  | 36  | 59       | 54  | ê     |
|   | Preced. of 2 bef. the 2d Bene          | 1   | 18  | 42  | 50  | 21  | 45       | 02  | 6     |
|   | The lucid one of the Neck              |     | 17  | 43  | 22  | 25  | 31       | 56  | 2     |
|   | Pofter, in the 2d Bend                 |     | 20  | 19  | 46  | 17  | 39       | 25  | 6     |
|   | That follow, the Lucida, to N          |     |     |     |     |     |          |     |       |
|   | by Tyres reckon, the 16 Oph            |     | 14  | 36  | 34  | 30  | 02       | 33  | 6     |
|   | S. of [] in Root of the Neck           | ė.  |     |     | 56  | 20  | 34       | 53  | 4     |
|   | 5. of Li in Root of the Nets           |     | 15  | 37  | 03  | 34  | 21       | 30  | 3     |
|   | A finall one under that                |     | 21  | 31  | 40  | 15  | 51       | 00  | 6     |
|   | 20                                     |     | 10  | 21  | 00  | 33  | 09       | 30  | 0     |
|   | Behind 2dBend bef. Oph. Hand           | 4   |     |     | -0  | 16  | 16       |     | ١.    |
|   | Subseq. before the 2d Bend             |     | 21  | 37  | 08  |     |          |     | 8     |
|   | In Mouth, in mid. of DHese             | 1   | 40  | 26  | 47  | 27  | 47<br>08 |     |       |
|   | Subject, behind the 2d Bend            |     |     | 57  |     | 16  | 41       | 50  | 4     |
|   | That fol, the Lucida to the S          |     | 10  | 50  | 22  | 2.4 | 02       | 49  | 3     |
|   | 35                                     |     | -9  | ,,  |     | 100 |          | ~)  | 1     |
|   | North against the Nostrils in          | 3   | 10  | 11  | 2.1 | 40  | OI       | 10  | 1     |
|   | the C of the Head                      |     | 18  | 16  | 18  | 40  | 41       | 18  | 1 4   |

18 10 18 19 58 18 18 23 04 32 4t 18 28 15 34 In Temples, 1 fubleq. of 
That without the Head to N. 35 19 32 17 48 23 40 20 15 16 28 58 33 37 15 08 37 03 33 22 16 02 23 12 27 23 45 58 21 23 30

22 29 59 That follo.preced. Oph. Hand 29 25 28 11 31 11 07 23 15 57 39 16 12 46 28 07 57 6 ift of 3,beh. Opb. hind Thigh Thefe 3 Tycho ranks am. Ophi, South of 2 following this 9 44 45 10 08 50 20 12 7 59 05

North of these
Islanders, behind ops. Hand
Last but one of the Tail
Of Three small ones S North
following that
South 21 07 25 47 32 1 31 03 3 06 51 3 38 38 19 47 52 20 31 56 23 29 53 21 17 24 Middle and fublequent 4 19 15 11 31 28 11 26 30 10 11 31 48 29 19 27 26 54 41 25 13 45

In Extremity of the Tail Small one adjacent to this

SERFENT, a Mufaul Inframent, ferring as a Raife to the Cornet, or finall Blasen, no titalin a Cheus of Sugar in a large Veille. If Lais in Name Spring, from Sugar in A large Veille. If Lais in Name Spring, from Sugar in August 1997, and the Sugar in Sugar

Catalogue are 29; in Tycho's 25; in the Britannie Cata-logue 69. The Longitudes, Latitudes, Magnitudes, Sic. whereof, are as follow,

| Stors | iu | the Constellation | SERPENTARIUS, OF | OPHINCHUS. |
|-------|----|-------------------|------------------|------------|
|       |    |                   |                  |            |

| Stars in the Constellation Sunvi  | ENTARIUS   | , or Ophive  | HUS.            |
|---|--|--|-----------------|
| the Stars. B  | Longitude  | Latitudes  | Mag.            |
| North in preced. the Hand M<br>South and fubfrequent<br>North in the preced. Knee &<br>South in the preced. Leg<br>Under the Scal of preced. Foot | 27 58 15   | 17 17 17 B<br>16 28 20 B<br>13 00 18 B<br>1 36 09 B<br>1 42 35A    | 3 4<br>5 5<br>6 |
| Middle in the preced. Leg. \$\frac{x}{2}\$ North of these In preceding Heel In the Cubitus of preced. Arm To                                      | 28 f3 of<br>3 40 25<br>4 21 26<br>5 19 53<br>1 15 38     | 0 28 40 B<br>23 35 38 B  | 6 4 4 5 4 6     |
| South in preceding Knee<br>Informis between the Legs  | 1 03 21<br>29 53 43<br>3 23 19<br>4 53 55<br>6 58 10     | 27 08 24 B<br>23 00 52 B<br>19 24 17 B<br>11 25 27 B<br>4 28 25 B  | 3 6             |
| 15  | 3 30 28<br>4 17 45<br>5 20 03<br>4 12 41<br>5 38 12      |  | 56666           |
| 26  | \$ 18 15<br>8 03 05<br>5 41 28<br>6 54 17<br>8 42 16     | 27 27 47 B<br>11 48 00 B<br>29 30 33 B<br>23 35 16 B<br>16 22 01 B | 56              |
| Preced. of 2 in fore Shoulder<br>Subfequent   | 6 17 51<br>7 30 12<br>10 09 14<br>8 12 21<br>8 38 08     | 32 32 16 B<br>31 52 20 B<br>18 28 18 B<br>36 42 00 B<br>36 15 20 B | 4 4 6 6 6       |
| Against the hind Knee   | 8 42 45<br>13 39 28<br>15 28 32<br>15 43 28              | 36 13 35 B<br>7 14 12 B<br>3 56 17A<br>3 24 16A<br>2 20 08A        | 6 36 6          |
|   | 15 43 18<br>15 55 15                                     | 3 24 10A<br>3 20 08A   | 67              |
| 35  | 16 12 46   | 3 29 39A   | 67              |
| In the Back of the hind Foot<br>In the Tibin of the hind Leg  | 16 06 17<br>11 48 47<br>16 34 52<br>17 00 23             | 2 29 39A<br>1 08 55A<br>37 18 55 B<br>2 04 47 B<br>1 42 28A        | 3467            |
| Bright one in Soul of the Foot Preced. in Heel of hind Foot   | 17 05 02<br>17 34 53<br>17 43 57<br>18 31 16<br>18 01 32 |  | 4 3 7 6 4 5     |
| In the Middle of the Back<br>Pofter, in the Heel<br>Preced, of 2 follow, the Foot   | 16 15 52<br>19 00 57<br>19 09 46<br>17 53 59<br>20 46 23 | 27 20 39 B<br>0 31 20 A<br>0 38 18 A<br>36 28 22 B<br>1 28 55 B    | 57676           |
| In Ophiuchus's Head In the Cubitus of hind Arm Laft of those that fol, the Foot N. of 2 in Pederior Shoulder                                      | 18 of 12<br>18 of 51<br>20 oz 13<br>21 48 44<br>21 oo 44 | 35 53 16B<br>36 27 27B<br>15 15 23 B<br>1 44 45 B<br>27 58 00 B    | 7 4 5 3         |
| South in the hind Shoulder<br>South in the hind Hand  | 21 22 46<br>22 18 32<br>24 31 30<br>25 25 16<br>25 46 01 | 26 01 24 B<br>26 09 20 B<br>1 24 08 A<br>13 42 45 B<br>5 28 51 E   | 7 3 5 4 7       |
| 60 Of Three Inform- North behind the Pofte- Middle vior Shoulder South North in the Pofter. Hand That follo, middle Inform.                       | 25 44 33<br>25 51 19<br>26 09 17<br>26 27 33<br>27 09 16 | 27 51 03 B<br>26 24 31 B<br>24 47 07 B<br>15 18 06 B<br>26 03 54 B | 4 5 4           |
| North of those fol. the Head<br>South and bright, of those<br>After 4 Informes 5 Preced,<br>follow the Should, 2 Subseq. or                       | 27 47 41<br>27 49 43<br>28 21 39<br>1 29 49              | 32 11 53 B<br>33 01 25 B<br>27 26 14 B<br>26 44 36 B               | 6 4 6 6         |

SERPENTARY, a Medicinal Plant, called by the An-cients Piliolochia, and Drastmenties, and now by the Peo-ple, Snake Roes, and Drasgess Wart. The Ancients were only acquainted with Two Kinds of this Plant; the Gress only acquainted with a working to this Francy the Great and the Soudi's But fince the Difference Theoretic, the Bo-tanith have added feveral others; as, The Stripensory, or Southe Root, of Frightie, that of Gaussie, and that of Bra-ff. They are all supposed to be Alexipharmicks, or Counter-Pottons; and as fach are luggedients in Treacte, The Great Surpensary, called by the Antients DracumenInt Major, has its Stem very fireight, fmooth, and mark'd In Miley, has in Stem very fureight, finestedt, and margle, with ree dispert, the tells for all serpersy, withere, gro-bladly, as much as from its Virtues, it is, that it talk as much as from its Virtues, it is, that it talk as much as from the state of the state o Beard. "Yous first brought into Larope trom Prognand you be English, where 'tis effected a fovereign Antidote against the Bite of the Rattle Stake. We are told by Travellers, That this Septemberg does not only care time Bite of the Rattle Stake, but that that Animal flies the Brattle Stake, but that that Animal flies the Smell thereof. For which Rattle that the Inteller, and other Travellers, always carry it with them on the End of a Staff, to prefent towards the Snake, when, by Chance, they meet it.

SERPENTINE VERSES, are fuch as begin and end

with the fame Word; as,

Ambo florentes et etibus, Arcades Ambo.

mote forestet estatist, artesta smile.

SERRENTINE, in Chymidry, a Werm, or Fipe of Copper, or Pester, veilfed inou a Spiral, and afceding very complex or Pester, veilfed inou a Spiral, and afceding very as Refragaerage in the Diffillation of Enday and other Liquors. See Refragaerage in the Copper of the Copp

very finall Puttotes, raining close to each other, imperimes in a circular Form, with great Pain and Itching. It never comes to Digeltion, and is not car'd without Difficulty. For after it appears to have been quite extinguill'id, it frequently breaks forth again at certain Sections of the Year. The common People use to anoint it with link is the common People use the common People But where the Difease is fix'd, fome Universals should

be first applied. See Lichen.

SERRATUS, in Anatomy, a Name given to several
Muscles, from their Resemblance in Shape, to a Sarot. Such are the

SERRATUS Anticus Minor, which arifeth this and fleshy from the Second, Third, Fourth, and Fifth Superior Ribs, and aftending obliquely, is inserted Fleshy into the Pro-criftis Coracsides of the Scopula, which it draws forward. It also helps in Respiration.

SERRATUS Anticus Major, comes from the whole Bafis

Saran Arvas Anteira Mofrie, comes from the whole Baffe of the Sogleth, and is inferred into the leaves me Risk of the Sogleth, and is inferred into the leaves me Risk representing the Texts of a Sara.

Saran Arvas Philoson Suprime, arisketh by a broad and thin Textodo, from the Two inferrior Spines of the Next, and the Three spiners of the Next, and the Next of the Next o

SERRATUS Policus Inferior, arifes by a broad and thin Tendon, from the Three inferior Spines of the Vertebre of the Back, and from the two Superior of the Loins; its Fibres, afcending obliquely, grow fiefly, and by four Indentations, into the Four last Ribs, and are inferted

SERVANT, a Term of Relation, fignifying a Performho SERVANT, a Temor Relation, fignifying a Perfenselo ones and pays a funited Oberlience for a creatin Tions, of more and pays a funited Oberlience for a creatin Tions, of more another, in Quality of Multer, See SLAVE, The Remonstrate of the Company of the Control of the Perfect of the Control of Services, whom they called Noviel of Additional wide was tracked as being in Delth, were delivered up to their Occilions by the Princip, to work out their Delt; after which they were again as Libert; The Deep, out of the Workshop of the Control of the Control of the Advanced of the Advanced of the Advanced of God. Serven Forecast ph. 12. first who used the Appellation, 20 Diagonus tells as, were first who used the Appellation, 20 Diagonus tells as, Pope

Pope Damaslus and Gregory the Great; which last is fail to have used it to check, by his Modesty, the Arrogance of globs, Farranch of Confeminople, who took the Tute of Occumental. Du Cange add, That the Title Serpout has been taken by some Bishops, some Kings, and some Stand.

ing been taken by finne Rillings, florar Kings, and finne Millings, and the Millings, florar the Millings, and the Millings and Millings, and has Leath. Those of Geneus having feir'd the Copies of this Edition, had it burnt; now were there above Two or Three that escaped; one of which was kept at Bafil, where the Book was printed, but is now in the Library at Dublin. It was lately put to the Prefs, fecretly in En-glant's, but being discovered, the Impression was feir'd, and delitoy'd.

and defined.

SERVICE, SERVITUM, in Law, a Duty which the Teans, by reafon of his Fee, once on the Lord, See Fer. It is finements all could defrage, On an one first Base Book make divers Divisions of Service, etc., into Perpieals, Real and Mority Allierang and Begic Istration and Merity Allierang and Begic Istration and Merity Allierange and Begic Istration and Merity Allierance of Section 11, whereby all Tenness are in the Common Security enter of the Learning in Et affals: 12th common Security enter of the Learning it is affals: 12th common Security enter on a resistent Lawrence and Carlo and Common Security enter on a resistent Lawrence and Carlo and Carl

well kinds of Struite are defended in our anciest Law-perfinal Stavars, it, that to be performed by the Parkinst Stavars, it, that to be formed by the War of Stavars, is, that the form the Parkins, by realth and Stavars, is that dies from the Parkins, by realth Block sell used Lamb bild of the Quarteria Law-tinian and the Company of the Company of the Com-tination of the Company of the Company of the Com-tain Stavars, is either Urbane or Realth; which two the Commands was the Bank, that the Hamp. The first hand Stavars, is either Urbane or Realth; which two the Commands was the Bank, that the Hamp. The first hand stavars, is either Urbane or Realth; which two the Company of the Bank, that the Hamp. The first hand, whether Givy or Country, as the Leeping a Dain, funct, whether Givy or Country, as the Leeping a Dain, funct, whether Givy or Country, as the Leeping a Dain, funct, whether Givy or Country, as the Leeping a Dain, funct, whether Givy or Country, as the Leeping a Dain, funct, whether Givy or Country, as the Leeping a Dain, funct, whether Givy or Country, as the Leeping a Dain, funct, whether Givy or Country, as the Leeping a Dain, function of the Country of the Country of the Country of the Lands without pulling through his Neighbour's Gibt Lands without pulling through his Neighbour's Country for Country, it Man care apprehen the Produce of his Lands without pulling through his Neighbour's Country of the Addition Security of the Country of the Country of the Country of the Addition Security of the Country of the

# Military Service Sec Skilohts Service,

Intellige or Herrinfee, or Hogel Stavics, was a Strote which and not belong to the chief Lord, but to the king. Twa calls ferries and carries were strong to the control of 
an Varilla, — Teach Statice done by the Feudatory — Treak Statice, a Service done by the Feudatory — Treak Statice, as Service, for Expension of the Wattlist As likewise was their Streets; for they were more variety of the Statice, as to Floogh the Lord's Links, i.e., But only to find a Man and Horfe to acted the Lord's Control only to find a Man and Horfe to acted the Lord's Control of the Co

SERVITES, an Order of Religious, der sERVITES, as Order of Religious, deseminated from a peculiar Attachment on the Services of the Virgin. The Order was founded by Serves Horneste, and the June 1960 of the West State of the Virginia of Monte Serves, 1970 of Monte Serves, 1970 of Monte Serves, 1970 of Letters from Horneste, in 1839, they not to live in Community on Monte Serves, 1970 of Monte Serves, 2970 of Prior of Monn Kinne, was named General, The Order was approved by the Council of the Letters, movehing and application of Religious Orders, and it was not Mainplication of Religious Orders, and it was not Mainplication of Religious Orders, and it was not supported by Cardinal Requestrate, Legal Orders, and the Holy See. The Foundation of the Holy See. The Secretary Prior Description of Trans, of Fer. Peals, a Ferting who was a Religious Servite, M. Herman, gives this Order the Name Rocality of Holy Religion of Trans, of Fer. Peals, a Ferting Maintain Secretary Prior Description of the Holy See Secretary Name Prior Description of the Holy See Secretary Name Prior Description of the Holy See Secretary Name of the Order Secretary Name of the Or

with Bills or Writs, to Summon Men to that Coart. They are now continuously called 'tj-favor.'
SERVITUDE, the Condition of a Servant, or Slaves Kee Saavaca. Under the Declenting of the Roman Empire 3 new kind of Sorvitate, was introduced, different from that of the asocient Romans is It conflicted in leaving the Lands of fabjugated Nations to the first Owners, upon Condition of certain Rents, and fervile Offices, to be paid in Condition of certain Resus, and servite Onices, to be passed Acknowledgement. Hence the Names of Servicenflet, and feriptitis & adulti Glebe: Some whereof were taxable at the reasonable Diferetion of the Lord; others at a certain the realouble Diference of the Lord; others at a certain Rate agreed on; and others were minimoratible, who, having see outprinting Children, could one make a Will to have a weight the country of the c

SBRUM, a thin, transferrate, ware Liquon, fourcebast Blood. The Hole conflict of Two Kind or Parts, the Come, or red Part; and the Syrms, or whey'th, lumph Fart. Syrms to the new red Parts and the Syrms, or whey'th, lumph Fart. Syrms to be more posterous than the Come; but The Syrms to the new posterous than the Come; but The Syrms to the Come posterous than the Come; but The Syrms to the Syrms to the Come; but The Syrms to the Syrms to the Syrms to the Parts of the Holy to the Syrms that the Syrms

Egyjië, we may fay Sofpai-diteral, Sofpichirst, Sofpai-fameth, Soch Kinds of Triples expected by the Particle Sofpai, they are faited: The Greater Propriet Sofpai-dire rais, which is a Triple, where the Breve is three Med-facts, or Minims, and that without having any Polita. The Greater Interfeld Sofpin-direct, which is where the Brever, when postness of contain three Mediaters, and with the soft of the Company of the Company of the Soffin which is where the Somal-breve counting three Mediaters, and has without any Pount. The Leef Barterife Soffiness also such as a Pount. The Leef Barterife Soffiness and has without any Pount. The Leef Barterife Soffiness which is where the Sems-breve contains three fileatures, and that without any Point. The Left Interpret Sefavi-alteral, a Triple, mark'd C \(\frac{1}{2}\), where the Semi-breve, with a Point, contains three Meafures, and two without. According to Boatenitis, one may likewife call the Triples

According to Insurance, one may be add by Softm-steral.

The Selgui-Steral, is a Kind of Triple, mark'd C 3, called by the Italiant Nountyla di Crowe, where there are 9 Quavers in every Mentiner or Bar, in Lieu of 8. The Death's Selgui-quarre is a Kind of Triple mark'd C 2, which is a Laliant Nounthladi Softminime, where

Donks displayed in a Kind of Triple mark? C. 2. called by the Linds Nomphild Stormainer, where there are Occasion in each Mexice, indicated of a Real Bernard of the Company of the Compa

SESQUIDITONUS, in Music, a Concord refulting from the Sounds of two Strings, whose Vibrations, in equal Times, are to each other in the Ratio of 5 to 6.

See Dirowes.

SESQUIQUADRATE, is an Aged, or Position, or SESQUIQUADRATE, is an Aged, or Position, or the Belliness, who as the Diffuse of flow Signs and an other states. The property of the SESQUIQUATILE, is an Aged of the Planets, when to B Degrees distant from each other, when to B Degrees distant from each other, when to B Degrees distant from each other, or Affembly, of a Commell. in quoting Councils, we fary, In fach a Session, in the Council of Councils, we fary, In fach a Session, the Council of Councils, we fary on the Proposition, or Session, the Council of Councils 
sellen, inch a Canna, etc. Sillen of Partiniums 1 is the Scalino, or Space, from in Meeting to in Perrogation, or Dildbelton. See Pannoarvinov. Exercises, a Stitung of Julices in Court, upon Com-milions and the Sillen Sillent, or Orion Sillent, capatie where the Epichan cheevine Culled Trivo-Girac, Walder where the Epichan cheevine Culled Trivo-Girac, which are presented upon some friecial Occasion, for the more freedy Dilgards of palitic, See Quarran-Sannou-Frest Sillent, or Orion Sillent, and the High-Constitute of every Hundred, for the planting of Ser-

Contlable of every Handred, for the placing of Serman STERICE, Septimits, a Silver Coin, in UE among
the Ancient Remain, called allo Namonis, and tometimes
Namous hybrites. The Soften was the Fronth Fart
Assume the Service of the

ESTERCE, Sefertiss, was also used in Antiquity, for a ing containing Two Wholes and a Half of a Thing: As As was taken for any Whole, or Integer. See A S. JULIUE SEXULUE. 1 10. Valet, a blief, a blief of sector Tephetisms. M. grafer mainty but the called, and ought rather the called Birmsy-yellow, we only fast there follows in the allows but the called Birmsy-yellow between the calle SESTUPLE SEXTUPLE, in Music, a Kind of

Philosophy with the other Gnotlicks, they had more use other Fables in their System. See Gnosticas. They pretended to have several Books of the Antient Patriarchia, archas particularly. Seven of their great Master, See

other Fiblis in their System. See Essentials. Lawy are are assets particularly. Seven of their great Mallet Soul, and one of Mechan; full of massistil Fiblistics which the second of th

the cereas Kind je ewaste Serme, and give Yente (Regierion).

Mangelerion.

Mangelerio

See GLOBE.

It had the innes of the Systing of the boas non cutry.

SETTITION, IN SER LERINGREE, TO FIR the Ship by a TE
Complet, is to observe how the Lind beam on any Yeart
in Allo, when two Ships fall in Sight of one another
to mark on what Point the Chaffed beam, in termed, serions, and the State of the Chaffed beam, it termed, sertimes to the State of the Chaffed beam, it termed, sertimes the State of the Chaffed beam, it termed, sertimes the State of the Chaffed beam, it termed, sertimes the State of the Chaffed beam, it is the Chaffed Tele
First, The detective deemed, condition of there to the
time, and the Indians, Semi-divines conditions, or Service
Allowers, it composed Distinctable of the Vern Degrees, and
Semi-stones, as from at to usy and Constitutily of the
Semi-stones, as therefore are generary and four felial to
Semi-stones, as from at to usy and Constitutily of the
Semi-stones, as from at to usy and Constitutily of the
Semi-stones, as from at the United State of the Semi-stones, and the Semi-stones, as for the Semi-stones and Semi-stones are supported to
Semi-stones, to the Annies and single one a greater
Semi-stone, to the node you company Semi-stone is to sufficient to a greater
Semi-state of the Annies and single one a greater
Semi-state of the Annies and single one a greater
Semi-state of the Annies and Semi-state of the Semi-state of th

wal, he whereof are full Tones, and a fingle one a ground some constraints of the Others: As from or to  $\beta_1$  and Generation's of the Others: As from or to  $\beta_2$  and Generation's of the Others: As from or to  $\beta_1$  and Generation's of the Others: As from the Generation of the Others: As from the Generation of the Others: As for Tones, a poster for Tones, a poster for Tones, a poster for Tones, and Common of an Others: Other Tones, and the Generation of the Others: Other Tones, and the Generation of the Others: As for the Generation of the Others: As for the Generation of the Genera

tance; for the liftue of the one fitall have his Moiety, and

games for the liftic of the one final hare his Minetty, and hard rish other, between the control of the control of the most of the control of the first point in a winty. Deleterate preference is an associational one in the control of the control

Productic Sciences of Control Sciences of Stationary, So-temporary (Long Sciences of Stationary, So-SEVERIANS.) There were Two Seeks of Herricks SEVERIANS. There were Two Seeks of the Leginning of the Third Control, were a Baruko and the Leginning of that still from their Chiefs, Soverar. The Second, were a Self of Anghabit of Engleston. The Lades, Soverar, a Self of Anghabit of Engleston. The Lades, Soverar, Self of Anghabit of Engleston. The Lades of Soverar Monorratizities. Helpfame all these that Soveraries. SEVER, in the Houlheld, an Other who comes in Self Self, in the Houlheld, an Other who comes in Fruick, Flewer, Equipse, Goodenson or Uffer. Severate, in Building, are Shores or Condain, or Chara-ter Severate, in Self-order Self-order Self-order Self-order Severate, in Self-order Self-order Self-order Self-order Self-order Severate, in Self-order Self-order Self-order Self-order Severate, in Self-order Self-ord

up through the wan, which all the fallow Architects commend for the Dicharge of outlook Vapous, though clewhere little predicted of outlook Vapous, though clewhere little predicted of outlook Vapous, though clewhere little predicted of Periosa, or Mark and Persana. The Norman of Periosa, of the two Seeca, are exceedingly well bainced; of the two Seeca, are exceedingly well bainced; to that every Man may have be wife, and every Woman her Hubband. See Maranaon. Hermaphorides have also the Gosten one. See Italianasta.

both the Szeri in oce, See Hermaninonity. The experdly both the Szeri in oce, See Hermaninonity. The experdly startly and the startly a feet of difficult the Szer. SEX, AGENART; foundating relating to the Number Szery Particularly, a Perion arrived at the fage of Sixty Years. Some Cafailth different with Szergemen's for not Falling, The Perion Law problims Szergemen's from Marriage; because, at that Age, the Blood and Humours are frozen. The Word is formula from the Latin, Szer-zer frozen. The Word is formula from the Latin, Szer-

SEXAGENARY TABLES, are Tables of proportional Parts, thewing the Product of Two Sexagements, or Sexagements, that are to be multiplied; or the Quotient of Two, to be divided.

to be divided.

SEXAGESIMA, the Second Studey before Lew, or the sext to Street-Studey: So called, as being about the Sixieth Day before Eafer. Sexaggions is that which follows Septimglians, and preceding Linguageofons. See Stitus.

GENTIAL.

EEXAGESIMAL, et Sengenory Srithmetic, a Method of Companions proceeding by States: a fix to the Discount of the Companion of the Second of the Second, and of Thirds, 45c, as SexAGESIMALS, are Fractions, whole Denominator proceed in a 4000-2007tel Ratio, attain, the Erit Mits.

EXAGESIMALS, are Fractions, whole Denominator proceed in a 4000-2007tel Ratio, and in, the Erit Mits and Companion of the Comp 

SEXTARIUS, an ancient Roman Meafure.

SEXTILE, is the Position, or Aspect, of the Planets, when at 60 Degrees distant; or at the Distance of two Sees from one another. It is marked thus (\*).

J LA CA

SEXTON, A Church Office, the call'd by Corruption
of Sterifan, Sogrifue, and Stepian. His Office is to take
Care of the Vedicia, Vedinean, Sch belonging to the
Care of the Vedicia, Vedinean, Sch belonging to the
Warden, Sex, at Church and still, the Minister, Church
Warden, Sex, at Church and still, the Minister, Church
Warden, Sex, at Church and Stepian, Sex of Stepian, Sex

Stepian, Sex of Stepian, Sex of Stepian, Sex of Stepian
particularly affixed to the Order of the Hermits of
time the First it is greatedly as British, shough Grant
times the First it is greatedly as British, shough Grant
times the First it is greatedly as British, shough Grant
times the First it is greatedly as British, shough Grant
times the First it is greatedly as British, shough Grant
times the First in greater of the Vedicia of
the Park Steven'y, but the keeping of the Vedicia of
the Park Steven'y, but the keeping of the Vedicia of
the Park Steven'y, but the keeping of the Vedicia of
the Steven's the Market of the Wedicia
His chief in Park to Ray Midd, but British of
the Vedicia of the Steven's the Steven's the Steven's
the Steven's the Steven's the Steven's the Steven's the Steven's
the Steven's the Steven's the Steven's the Steven's the Steven's
the Steven's the Steven's the Steven's the Steven's the Steven's
the Steven's the Steven's the Steven's the Steven's the Steven's
the Steven's the Steven's the Steven's the Steven's the Steven's
the Steven's the Steven's

It it be in revaste he stays Man, his Italiacti, of row Warden, and Carlott, the Wafers, gives him row to use. When the Fupe diet, he Market, gives him row to the Carlott, th

of Vieuna.

SGRAFT, in Painting, a Term derived either from the Italian Scrafficiats, Scratchwork, or the Grock person, fingistying a Bettend of Painting in Black and White only, not in Frefco, yet fisch as will bear the Weather. Scratch is both the Defigo, and the Painting, all in cos: "The chiefly used, to embellish the Fronts of Palaces, and other defeaters."

chiefly wied, to enhellish the Fronts of Palaces, and other magnificent Bellishing. See Sear-Scie-Work.

States, in our Customs, a Liberry of Winter-Pullarage. States, in our Customs, a Liberry of Winter-Pullarage. States, and the Company of the Company of the Company Manner has Offset, i. e. A. Liberry of the Company of the states of the Company of the Company of the Company water Months, i. Napples, Speck 2010 central to the Winter Months, i. Napples, Speck 2010 central to the Winter Months, i. Napples, Speck 2010 central to the GH Harvert, i. Ill Good-inner. Winters, to go a «Months, its of Geod at Larce.

Common ton Hope, in an interes teromen, more, we see all the properties of interest and the document Wisers, p. 19, a \$5.86kg, it is weak-coal by the Terreption of four separate Body heire the weak by the Terreption of four separate Body heire the coal by the Terreption of four separate Body heire the coal by the Terreption of four separate Body heire the coal by the Terreption of the States of Afri is decayly to Separate, for which Realis of Separate and Fidelity is Separate, for which Realis of Separate and Fidelity and Separate and Fidelity, and Separate and Se

Laws of the Projection of SHADOWS from Ofake Badies.

1º. Every opake Body projects a Shadow in the fame Direction with its Rays; that is, towards the Part opposite to the Light. Hence, as either the Lumiazry, or the Body changes. Place, the Shadow likewise changes.

changes Place, the Madew incoming changes.

2. Every onate Body projects as many Shadows, as there are Luminaries to inlighten it.

3°. As the Light of the Luminary is more intense, the Shadows is the deeper. Hence the Intensity of the Madews is measured by the Degrees of Light that Space is deprimal.

ved of ved of:

4º If a luminous Sphere be equal to an opake one it illumines; the Shadow this latter projects, will be a Cylinder; and, of Confequence, will be propagated fill equal to it felf, to whatever Dilance the Luminary is carable of actions; so that, if it be cut in any Place, the Plane of the Section will be a Circle equal to a great Circle of the opake Sphere

5°. If the Luminous Sphere be greater than the opake one; the Shadow will be conical, If therefore the Shadow dow

dote be cut by a Plane parallel to the Baft, the Plane of the Section will be a Circle, and that fo much the lefs, as it is a greater Dilitance from the Bafe.

12 to a greater Littance from the Balt.

69. If the Laminous Sphere be lefs than the opake one, the Shadou will be a truncated Cone: Confequently, it gross fill wider and wider; and therefore, if cur by a Plane parallel to the Scition, that Plane will be a Citicle in much site greater as its further from the Balt.

uig gearer as its further from the light.

"To find the Length of the School, or the Axis of the Shady Core, projected by a list opake Sybers, Humined Shady Core, projected by a list opake Sybers, Humined The Shady Core, projected by a list opake Sybers, Humined The Core of Charles of the Core of Charles of the Core of Charles of the Core of the State Different word In Man CF 3, and Draw M parallel to CH3, then well IM man CF 3, and Draw M parallel to CH3, then well IM man CF 3, and Draw M parallel to CH3, then well IM man CF 3, and Draw M parallel to CH3, then well IM man CF 3, and Draw M parallel to CH3, then well IM man CF 3, and Draw M parallel to CH3, then the Similar Draw M parallel to CH3, the Draw M parallel to GH4, the Draw M parallel to GH4, the Draw M parallel to M Sinkteny Coies Observable the Part PM must be distracted intom 14 galaxies and make the Arch Li, Work in bistraction 15 galaxies and make the Arch Li, Work in bistraction 15 galaxies and the Archivest Archivest and the Archivest nt Archivest Arch

that of a left Angle; as the Luminary rifes higher, the Shadow decreafes: Winnee it is, that the Meridian Shadows are longer in Winter than in Summer.

120. To measure the Altitude of any Object, E. gr. A Tower AB, (Fig. 14.) by means of its Shadow projected on a Horizontal Plane.

on a Heriannial Hune.

Arch Exercusive of the Studies of the Tower Ch, fit a Arch Exercusive of the Studies of the Tower Ch, fit a seacher Stick in the Ground of a known Altitude DE, and meafor the Length of the Studies hereof E.F. Them, and E.D. § Yards, A.B. will be 137 Yards, 147.\* The Studies of sea quality and Belgish has the Laminaria: equally high. Hence, as the Opder approaches to the Laminary or the Duminary to the Opder of them resches, it diministry of the Duminary to the Opder of the Charles of the Studies and the time of the Charles of the Studies of the St

TANCES.

14°. The Right Shadow is to the Height of the opake Body, as the Co-line of the Luminary, to the Sine.

150. The Altitude of the Luminary being the fame in both Cafes, the opake Body AC, (Fig. 15.) will be to the verfed Shadow AD, as the right Shadow EB, to its opake Body DB.

opake Body J.B., The cyalch Body it to its expfet Statetry, a Hence, i. The cyalch Body it to its expfet Statetry and Learnmany to its Statet Confequently, the verted A.D is to its opake Body A.G. as the Since of the Altituded of the Lunniary to its O.G. fig. 2º. HD B = A C<sub>1</sub> then will D.B be a mean Proportional Detector B.B. and A.D. is that is, the Langth of the model Body is a mean Proportional between its  $p_{\rm SM}$  Statetry and Confedence and the State Altitude of the Lunniary. 2". When the Angle C is 45°; the Sine, and Co-fine are equal; and therefore the verifed Sheshow equal to the Length of the opake Body.

15°. A right Sine is to a verifed Sine of the fame opake

Body, under the fame Altitude of the Luminary, in a Dupli-cate Ratio of the Co-fine, to the Sine of the Altitude of the

Right and cerifed Shadows, are of confiderable Ufe in Mealuring; as by their Meass we can cosmooliously cough mealure Aititudes, both accetible and inaccetible, and that too when the Body does not project any Shadow. The right Shadows, we use when the Shadow does not ex-

emogin mealure Antitudes, both accentible and macentales, emogin mealure Antitudes, both accentible and macentales, the property of the proper

retent alogic, for man bond on the body set and perpetucians fall, come by right Lines, with the Point upon which the Perpendicular left fall from the Laminary, falls. And containes the Lines to the Side opposite to the Laminary interference of the Laminary, falls. And containes the Lines to the Side opposite to the Laminary interfering the former; the Point for the Laminary interfering the Fourse of the Sideov of the Endows in the Point of the Sideov of the Laminary, interfering the Fourse of the Sideov of a Print, AB CFED (Tath. Perphetitive Fig. 8). Strongersphally delinented Since AD B. B., and CF. are perpendicular to the Plans, and L.M. is likewist perpetual L.M. by given Dirac when Fight Lines G. GM and H.M. who the Points D and E. Thror the raised Points A and B. dwarf when the right Line G. L. and H.I., interfecting the former and the Sideov of the right Line B. E. in Hi and the Sideov of the right Line B. E. in Hi and the Sideov of the right Line R. E. in Hi and the Sideov of the right Line R. E. in Hi and the Sideov of the right Line R. E. in Hi and the Sideov of the right Line R. E. in Hi and the Sideov of the right Line R. E. in Hi and the Sideov of the right Line R. E. in Hi and the Sideov of the right Line R. E. in Hi and the Sideov of the right Line R. E. in Hi and the Sideov of the right Line R. E. in Hi and the Sideov of the Sideo

SHAFT, in Building: the Shaft of a Column, is the Body "SHAFT, is Beileing: the Stafet of a Coloma, is the Boly thereof; the call of form is Streighness be by hy Activities to be by Activities on the strength of the Stafet of

gover and cets the Fleth, stanly occidenced by from Yu-erral Differies, Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola.

Sec Char-Rissola

ENGINES, mase to their Smith, for fharpening their Plough-luos, Harrow times, &c. SHEADING, is a Riding, Tything, or Diviños in the Jifest Jimes, the whole Illind being divided into Six Sheat-ings, in every one of which, is a Coroner or chief Con-

shibe.

SHEATHING of a Ship is the casing that Part of her Hall, which is to be under Water, with foundthing to keep the Women from cating into her Hanks. It is sailly done with laying. Tar and Hair mix'd together all over the old Plank, and then nailing on with me as Board's. But this hinders a Ship's hilling, and therefore of lare force have been feathered between the ship of the ship

and Maier Wattow,

SHEERING, in the Woollen Mannfactures, the Sheers,

stan's Craft or Office; or the cotting off, with large Sheers,

the too long and fuperfluous Nap, or Shag found on the Surface of Worlder Stuffs, Fuffians, Cuttons, Eg., in order to

make them more innoch and even. Stuffs are Shorn more

r fewer Times, according to their Quality and Fineness,

See CLOTH.

Some side the Planfa Sherring of Hart, for the patting of
Hart and Strew, or Strew or the Planta of a clear for
Hart and Strew, or Strew, by clobbing them over
Strewn, or Strewn, or Strewn, by clobbing them over
Strewn, or Strewn, or Strewn, or Strewn, by clobbing them over
Strewn, or Strewn,

to Sheer or go Sheering. When the lies at Anchor, near Part, &c. by reason of the fwift running of a Tide Gate, &c. She is faid to be in danger of Sherring home her Ancher, or Sherring a flore.— Sherr-hooks, are large fron Hooks, ufed when a Ship designs to Board another.— Sherr-floanks, is a when a Ship dengis to make another.— Sover-journes, is a kind of Knot, by which they tie up and shorten a Runner when it is too long.

which a long serigint to income anothers. According to the which they view you did from a Remore Section 1 to the long of the part of the section of the long of t

md let down, on Octafion: They are commody good fault, beausit the Standard dereof output in the Standard Standard are of the Standard Area of the Standard

Shedil, as cerrent in deshies, Din Consellor in the name of Degland and Germany. The Word is found from a Islame Word, Ingniying to Wight.

SHELL, is suite the Sintener (expectably in Tin Misco).

SHELL, in suite the Sintener (expectably in Tin Misco).

SHELL, in suite the Sintener (expectably in Tin Misco).

SHELL, in suite the Sintener (expectably in Tin Misco).

SHELL, in suite the Sintener (expectably in Tin Misco).

SHELL, in suite the Sintener (expectably in Misco), and the Louis of Sintener (expectable shed), and the Louis of Miscon (expectable shed).

All the Louis or Miscon (expectable shed), and the Miscon (expectable shed), and the Miscon (expectable shed).

All the Louis or Miscon (expectable shed), and in Sintener (expectable shed), and the Shedil shed in Sintener (expectable shedil shed

DELUGE AND STRATA.

SHELL, in Natural Hiftory, a hard Cruft, ferving to cover and inclose a kind of Animals, hence call'd Telegocosts. SHELL, in Natural Hittory, a hard Coult, ferring to cover and incides a laid of Annaist, in term cail of Africants, in coor and incides a laid of Annaist, in term cail of Africants, in consequently of the Formation of Statist. The Annual and its Saled base been always impossed to acide from the four Eng. But not not a simple of the Annual and its Saled base found, or a found of a simple of the Annual and its Saled state of Could of any of the other Perrs, by Vegentions, than is, by a Jaice creativating within stell, both yn external Addition of Jerus Bast, no conflict the Third process process of the State of the St

pergipt's Accomments, the Sull continues to grow thicker,
STRILLES RIVES ACCOMMENTS ACCOMMENT ACCOMMENTS ACCOM

In Allocated, Giffer and Felicia Columna, we have all that the Austratis have had on the Subject on Sudils. In Proceedings of the Columna, we have all that the Austratis have had on the Subject on Sudils. In Proceedings of the Columna of the Colu

usual and easy Opinion is, That those Parts have been for-merly Sea, or at least bave been over-flown thereby; and morely See, or in least have been once-frown thereby; and many even up on high as the grantal Delege. See Drazows. But others take thick to be the natural Flaces of their Birth or Formation; formed of them being from the other three Clays others of the fatter and the other three Clays others of the fatter and stafferer a Solely Solutinee, as a printer both. In effect, theft may be only fattery of the control of the solely formed the solely solution, and the solely solution of Patters, which can as well produce Solution in Manes, as in the Sea; there being no want of Shinter or Earthy, Fattellos for the Harpfel; nor I in Johnston better did my days, and the Solution between the most control of the solution of

Difference beween form Sorri of Spars, and Sea Schill. See
"The Ziffer injudge, that Schill South an ISsue Quarrie,
were never any Fart of an Animal and giver that Beafor
for it, That Quarries of different South, spirit quarter
for it, That Quarries of different South, spirit quarter
for it, That Quarries of different South, spirit quarter
for Land don't yell, See Tourist.
The Land South See Tourist.
The Land Land South, See Tourist.
The Land Land South, See Tourist.
The Land Land South, See Tourist.
The South distincts have no Diversity of See, y that they
have that spirit south see the Land South see the
That South distincts have no Diversity of See, y that they
have that appears analogous to logge, its rather fourthing
that spirit see the See Tourist See Tourist See Tourist
The South See Tourist, show for Generation See Tourist
The South See Tourist, show the See Tourist See Tourist
Tourist See Tourist See Tourist See Tourist
The South See Tourist See Tourist
The See Tourist See Tourist See Tourist
The South See Tourist Index of See Tourist
The South See Tourist
The The Tourist
The Tourist
The The Tourist
The The Tourist
The The T were, in Soul of the Policy of the County; and the Perter of the Policy of the County; and the Person far Person of the Person of the County
Court, as Krights now are for Brilliances; but he is now
monitored by the King. In order to which, the
County Court, as Krights now are for Brilliances; but he is now
monitored by the King. In order to which, the
County of Michigan of the County of Michigan
County, the Lord Chancellor, Treatmer, Prity Council,
Controlled in the Econoper County, much Cohere of
1 the County of Michigan has Two Storphy those, as anciently, by the Citizens of Michigan Add Dumless, MyThe County of Michigan has Two Storphy those, as an
except, by the Citizens of Michigan and Bundless, as an
except, by the Citizens of Michigan and Bundless, as an
except, by the Citizens of Michigan and Bundless, as an
except, by the Citizens of Michigan and Bundless, as an
except, by the County of Michigan
The County of Michigan and Michigan
The Word in George the County, or capture of all OfThe color-called the County County, wherein he behave and determines all Coult County of the County to word Forty Salies.

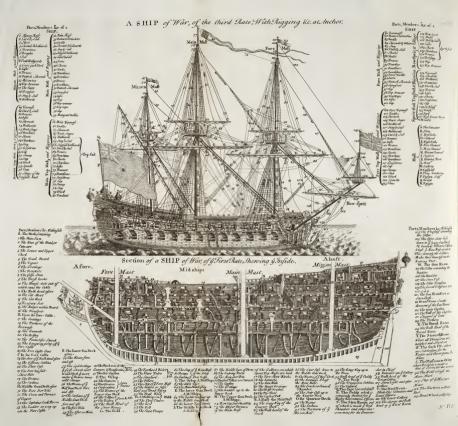
The Word is formed from the Scene, Sirv Greef,
Period of a Town or County or extree from Softman, to
found the Kingdom unto Counties. In Latin he is called

Personales.

Son of the congloren into Controls. In Learn be it Gattee Silled, Dan ancient Warpon of Defence, made in Manarer of a light Backler, and here on the Am to find off the Controls of the Control of Silled in Control of Ams. See Birtheria, and Silled in Control of the Control of

A THE Boater shout Six. The Boater Shiftings are also cally able as Griff, because equal to 1; Groin. The Boater Share Organe Shifting, worm about 1 of 1 Perhaling Strong, Copper Shifting, worm about 2 of 1 Perhaling Strong, proving the Derivation by Several Texts of Law, and among others by the XXI Law, 2D, about highest, See Cons. and along others by the XXI Law, 2D, about highest, See Cons. and along others by the AXI Law, 2D, about highest, See Cons. and along outside point of the Constant of the Cons

ner, upts, and censite Covering. The Building is first to be cover'd all over with Busch, and the Origing mail them. Some course, in Medicine, a kind of Repres, call'd allo the Millioga Hopels, it is consist of immensaled inrick busiles breaking out in Arisina. It is consist to immensaled inrick busiles breaking out in Arisina. The Arisin State of Arisin, and a Centra of Oli and Wax to be applied. Wifemen sold for the Arisin State of the Arisin State of Arisin, and a Centra of Oli and Wax to be applied. Wifemen sold for Navigation on the Sign section of a Milks, and as State of Arisin, and a Centra of Oli and Wax to be applied. Wifemen sold for Navigation on the Sign section of a Milks, and as the Arisin Arisin State of Arisin, and the Arisin State of Arisin, and to be for the Arisin State of Arisin, and to be for the Arisin State of Arisin, and to be for the Arisin State of Arisin, and the Arisin Arisin State of Arisin, and to be for the Arisin State of Arisin, and a to be for a State of Arisin, and a to be for a State of Arisin, and a state of Arisin, an

tong pass more with the task programs from the Water, See The Linearine Shippi in very shorten, and, at the fine time, very moretria. The Mythologist's attribute it to basine the passion of the state 


whereof are explained in the respective Places of this Dillis-sary) we here give him Two Draughts; the one, a Stellion of the Body of a First Rate, to show its Confinction, the Disposition of its India, 55. The other, the fame Stel-entre, with the Sais, Raighing, 5T Term, fignifying the Matter of a Ship. We also let the Word for any common

Seamen, MONEX, as Impaction asciratly charged upon softers, Towns, Citte, Recoping, and Counters of the Science, Towns, Citte, Recoping, and Counters of the Realms by Wrise commonly called Solip-own, are revised by King Charles the First, in the Years 1655 and 1656, for the providing and binnifiling certain 505pt for the King's Service: But by Seat. 17 Gov. 1, it was declared to be formed to the providing and the second section of the Realms, Claim of Kingham and Charles and Charles and Charles and Charles and Charles Service: But by Seat. 17 Gov. 1, it was declared to be formed to the charles of the Realms, Claim of

contrary to the Laws and Statutes of the Kealm, Ciaim of Right, Liberty of the Subject, &c. SHIPWRACK. See Wards, or Seyes, to divide) is a SHIRK, (from the Saxon Seir, or Seyes, to divide) is a Part of Fortion of the Land, call'd allo County, See County, King Affect first divided the Land into Surrapius, which we now

in their Revers, were faced to work of the second of the s

SHOOTING,
SHOOTING of Bombs,
Shooting by the Air,
Shooting by the Air,

SHOP-LIFTER, a Person, who cheapening Wares, on Pretence of Buying, takes the Opportunity of stealing

SHORE, or Common-Sever, a Corruption of Sever.
See Savaza and Crosea.

SHORE ACENT; in Grammor, a Mark which shows,
the firme of procouncing, ought to be short; It is
SHORE ACENT, in a Manof War, are the fame with
the Fighting Sails; being the Fer-fail, Alain fail, and

Forespiels which are all that are used in Fight, left the fifth floatide to street, and figured; besides the Trouble of managing the street, and figured; besides the Trouble of managing the Mind to fight, they for, the Collegation of the State have a Mind to fight, they for, the Collegation of the State have a Mind to fight, they for, the Collegation of the Figure Mind the State of the State

and flings her Malio-Yard,
SHORT-SGINTEDNESS, a Fault in the Conformation
of the Kip, wherein the Crystallin, gife, bring one Canorder to the Conformation of the Conformation
of the Kip, wherein the Crystallin, gife, bring one Cantroop of the Conformation of the Conformation
of the Conformation of the Conformation
of the Conformation of the Conformation
of the Conformation of the Conformation
of the Conformation of the Conformation
of the Conformation of the Conformation
of the Conformation of the Conformation
of the Conformation of the Conformation
of the Conformation of the Conformation
of the Conformation of the Conformation
of the Conformation of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the Conformation
of the

or at leath, diminishing much of their Convergency, makes Anicods for the too great Convexity of the Crystallin. See

Lense.

Dr. Hobt függefts anocher Remoyl. Finding, that many Storrighted Ferloss are but inthe helped by Concarets, he recommends Concer (Sink, Jackee Therese the Image and Jackee (Sink, Jackee Therese the Image and Jackee (Sink, Jackee) and confequently, all Objekts may be thereby made to appear at any required Distance from the Eye, 3 of hondrequently, all Objekts may be thereby made to appear at any required Distance from the Eye, 50 that the Sherrighted Exempt as it the Objekt it foll were in the Place. The true, the Image will appear inverted, but me have Expedients to remody this too 1 Fez, in Reading, then receive all the first the Place The true and the Contract of the Contract of the Place The Tense (Sink There).

will be for the Petron to learn to read-upide down. For dislate Objects, the Delete affert, from his one Experience, fair, with a little Traitice in contemplating inverted Objects, or got as good and late of them, as if from it SHOT, for Ordenace, are of feveral Sores; as Remoder, or Bullers faired to the Biese of the Fire. Orgin angles, Round-first, with a long Spike of Iron cult in John Charles, and John and John Charles, and John and Joh

is according to the Bore of the Proce. Languard high, which team book wins Sakulak, to be florenced, whin put into mode with Sakulak, to be florenced, whin put into mode with Sakulak, to be florenced, whin put into the Bod of the Bot, it hash half a floller, either of Lord or lead or lead. The Bod of the Bod, it hash half a floller, either of Lord or lead. The Bod of the Sieves for that Purpofe.

SHOT-FLAGON, a Hogen formewhat bigger than ordi-nary; which in form Counties, particularly Derbygbire, it is the Cultom for the Hoft to ferve his Guelts in, after they

the valton for the Hoft to ferrie his Gaells in, "after they have drank above a Shillion," SHOULDER, among Farriers, Sheal der historie, is a Diractic in a Hoft, when the Firch or Point of the Shoulder is displaced, which makes the Horfe halt downright.—Shealing Platting, or Shealine run, is a Hurt which he fails a Horle by Some dangerous Sjip, by which the Shealiner is SHOULDERHALDE. Book of the Shealiner is a SHOULDERHALDE.

SHOULDER-BLADE, a Bone of the Shoulder, of a Triangular Figure, covering the Hind-part of the Ribs; call'd by the Anatomitts Scapula and Omoplata. See SCAPULA. SHOULDER-BONE. See HUMER US.

SHOULDERING, in Fortification, is a Retrenchment, opposed to the Enemies; ne a Work cast up for a Defence on one Side: whether made of Heaps of Earth cast up, or un oer some i warmer made or means of narth catt up, or of Gabions, and Fafcines. A Somaloring allo is a Square Orillon, fornetimes made in the Battions, on the Finith near the Somalor, to cover the Camnon of a Castement. It is also taken for a Demi-Battion, or Work, confifting of one Face, and one Flank, which tods in a Point, at the Head of on Hean work or Cross-mark. Nathbat it in the model. Face, and one Flank, which easts in a Foint, at the Head of an Hon-work, or Crown-work. Neither is it to be under-flood only of a fmall Flank added to the Sides of the Hon-work to defend them, when they are too long; but also of the Redents which are raifed on a flreight Line.

SHOULDER-WERNOETH is a Strain in the Spanisher.

SHOULDER-WERNOETH is a Strain in the Spanisher.

SHOULDER-WERNOETH is a Strain in the Spanisher.

SHOULDER WRENCH is a Strain in the Streamer.

SHOWER, I close relieved into Rina, and dikkarged on a certain Traft of Ground. See Rain.

In Smarth Hilling or mentand lawer in the Strain Relieved on the Relieved on the Strain Relieved on the Strain Relieved on the Reli

Transfer. 1: Market RAIN.
SHRINE, a Case to hold the Relicks of fome Saint:
See Relicks. The Word is formed from the Latin Scri-

in SHRINE, a Cate to war is formed treen to some a former of the word is formed treen to some a flowly or Cabriell.

The or Cabriell Time instructions by before Leavy to start all by our Accelters, because temployed in Suprings, that is, in confeding their State to the Frietly, in order to a more dreven te spring the Catelling Leaf Filt — Survey of the day in the Cabriell State of the State o

more account seeping the enthing Lent Fait. — Sprear Single is the Day next before the fift of Lent.

SIROWDING of Trees, the cutting of lopping off the Top-Branches thereof; which is only praftled to Trees that are not fit for Timber, but defigned for Fael, or form other predient Ufs. Saft Trees the Husbandmen find much preferable to Copie; as they need no Fence to fecure them, because flanding, in no Danger of the Brownings and much preferable to Copie; as they need no Fence to fecure them, because (fanding in no Danger of the Brownings and Rubbings of Catrle, which too, have the Benefit of Grazing under them.—For the Time of Spraceding, 'is not to be practified till the Trees have shoot three or four Years; practified till the Trees have flood there or four Years; either at the Beginning of the Spring, or the End of the Fall. The harder fort not to be looped above once in ten or vewler Years, and that at any Time in the Winter. The pithy and folier Woods are bell formeded in the Spring. The Sumps left, flould always be cut aflore, and finouth, in order to call the Water off, and prevent its finking in,

and rotting the Tree. SHROWDS, are great Ropes in a Ship, which come from either Sides of all Matts: They are failened below by Chains to the Ship's Sides, and aloft, over the Head of Luains to the Ship's Sides, and aloft, over the Head of the Maft; their Prednats, For-tackle, and Swifters, being first put under them. They are also fewed there, to pre-vent their galling the Mait. The Top-mit Sidwords are failtened to the Patricks, by Plates of Iron, and by Dead-Mone-Eye, and Lamiter also, as the others are: The Terms are, English Strownsky that is, Slacken them 1.28 ranger. The Strownsky, that is, Set them latter: The Bell-spirit lath to

Sömendi, hat is, Sit them faiter: The Bold Spirit sinh to 
SSIRKUR, Bailte low Tere, or Derrif or a Woody 
Plans, of a Size left than a Tere, which, befoles in principal 
Sens, and Bernard Bernard 
Size and Size left than a Tere, which, befoles in principal 
Sens, and Bernard 
Size of Size and Size and Size and Size and 
Size and Size and Size and 
Size and Teres and Teres and Teres par forth in 
Johnson, Takao of Bertsen, or Gonzale and Trees par forth in 
Johnson, Takao of Bertsen, and Trees par just Eggs, which 
coming to expand by the Warmh of the following Spirite, 
organization of the Size and Teres and Size and 
Size and Size and Size and Size and 
Size and Size and Size and 
Size and Size and Size and 
Size and Size and 
Size and Size and 
Size and Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and 
Size and

other Matter.

The Ribband-Weaver's Statile is very different from that of mott other Weavers, though it ferve for the fame Perpofit: This of Box, fax of seven Inches long, one broad, and as much deep: Shod with Iron at both Ends, which terminate in Points, and are a little crooked, the one towards after Right, and the other towards the Left, repre-fenting the Figure of an herizontally placed.

S1, in Music, a Seventh Note, added within this Sixty Years, by one is Musry, to the Six ancient Notes; invende by Guido Arienta, or, re, no. J. Ago, and the Arabata and Arabata Six and the Arabata Six and

in the he was no foorer dead, than all the Werde crune in.

10. 18. 28. North. 12. Ri, Jahaiquet, Vigils Probjected, to the Secondary, Vigils Probjected, and Maldi dipspoid to be divirely infliered and who, in the Height of time Dembardian, gave Courte, and forested Tamput et al. Ethnologies of the Courte, and forested Tamput et al. Ethnologies of the Two Greek Words, Zon, to appare, and Deadon, July By Readon of Lee excellent Property American do not agree about the Number of the Stylin Copillar Sections of the Section of the Courte of the Stylin Copillar Sections of the Section of Training Propings and Thomas Copies and The Section of Training Propings and Thomas Copies and Section of Training Propings and Thomas Copies and Section of Sect ORACLE.

ORACEA.

The Subpliese Oracles, were held in great Veneration by the more credulous among the Antients; but were much faffected by many of the more knowing. The Banks wherein they were written, were kept by the Rousest with infinite Care, and antining of Moment undertaken without conformation.

Care, and nothing of Moment undertaken without conducting them. Targotta first committed them to the Castfody of Two Patrician Frieths, influenced for that Purpote. SICILIAN, in Music, §2. a Kind of gay forightly Air, or Dance; somewhat of the Nature of an English Jig: usually marked with the Characters - or -.

DISEASE. SICKNESS.

See Supply Anglicangs.

Supply Anglicangs.

Epilepsy. Green-SICKNESS, Sweating SICENESS, Falling-SICKNESS,

SICUT ALIAS, a Writ fent out in the Second Place, where the first was not executed. It is thus called from its Beginning, which is in this Form; Georgius D. G. Se. Fize-counts Haref. Salutem. Precipinus tibi (Sicut Alias) pre-

comit Heref, Salutem. Precipionus tiu (Steat Alua) pre-ceptumus and son conitra, Sc. SIDE, Latrut, in Geometry. The Side of a Figure, is a Line making Part of the Periphery of any Superficial Figure, See Froura. In Triangles, the Sides are also called Legs, In a Rechangle Triangle, the Two Sides, including the right Angle, are called Cartesis, and the Third the Hypotheomic See Catherus and Hypothenuse.
Sing of a Polygonal Number, is the Number of the Terms

of the Arithmetical Progression, that are summed up. See POLYCONAL Number. Sine of a Power, is what we otherwise call the Root, or Radix. See Roor.

See SLATUS Rectum. Right Side, Transverse Side,

Side-Lare, is a Term made Use of by Hunstinen, when Dogs are set in the Way, to be let slip at a Deer, as he passes by.

SIDERATION, in Chirargery, a Mortification of some Part of the Body; called also Sphaceins and Neerofit; which

SIDERATION, the blafting or blighting of Trees, Plants, &c. by Eaftern Winds, excessive Heat, Draught, or the like. See BLIGHT.

SIDERATION, is also used for a being suddenly beaumb'd, and deprived of the Use of one's Limbs, Senses, Sc. which the People call being Planes-ferace.

SIDERIAL YEAR. See YEAR.

SIDERITES, a Name fome Authors gives the Loadflone. See MAGNET.

these. See Manney.

Situag of Howards, &c. in Fortification, are the Renparts and Brestleworks, which include them on the Right Strass Man, properly called dynamics. And the Right Strass Man, properly called dynamics of see Manney. The Perform, who in larger Parthers are appointed to spill the season of the Right Strass Man, properly called dynamics are for the season of the Strass Man, profession of the Strass Manney of the

celebrated Sieges of Antiquity, are those of Troy, Tyre, flexandria, Numanium, &c., Those of the Moderns are that of Oftens, Candia, Graves, &c. The Word is French, and

literally, Seas

Escales, tierally, Sara.

SIERRA, a, Speiny Term figulfying, Menustairy, applied to Moustains, and Measurances Courters.

SIEVER, or Service, an Information Ferring to Feparate the First from the Contre Farts of Powders, Liquota, 16t. or to cleant the Pairs of Powders, Liquota, 16t. or to cleant the Pairs from Dat, Light Grains, 6t. Tis make of a Kim of Wood; the Circle, or Space where-William of the Menustain Control Cast or Lime Sieve, Garden Sieve, &c. When Drugs, apt to evaporate, are to be passed thro' the Sieve, 'tis usual to have it covered with a Lid.

have Lowered with a LA.

SELVIA, a Kind of Their of Honour, or Quality among the Erwey's chiefly used among the Loweyer, and in public the Attention of the Winning of that Kind: An I place the Attention of the Winning of the Kind: An I place the Attention of th

Sec SEEING. See Selison. Our Spop, the nobleft and most wisful of all our Sen-fer, Father Mulletrace's fliews, deceives us in abundance of inflances, Nay, almost in all: Tarticularly with Regard to the Wagnitude, and Except of Things; their Figures, Morison, Sec. Our Eyer do not fliew as any Thing less than a blite: Half a Mire is nothing, if we believe their Report. A Mixter and ya Mathematical Point, with Regard Regions. A Morel is distinct the change of our care the forest theretes a not occasion divide it without a mahilizing it. In selficit, our 20ft does not reperfine Extenden, tesh as it care Body. Hence, as a Miller 3 bit has no Relation to our Body. Hence, as Miller 3 bit has no Relation to our Bodies, and that it cannot either prefere or derive, our cover, or were us con circles as final a higher, we hould paidly expeditionally of the Alagainade of Bodies. It may be called, That cover a Division expedition of the contrast, we consider that the contrast of the contrast VISION.

Stert-Sight,
Steemed Sight,
Point of Sight,

SIGHTS, in Mathematicks, are Two thin Pieces of Brafs naised perpendicularly on the Two Extremes of an Alidade or Index of a Thoodolite, Circumferentor, or other like Infrument: Each whereof has an Apecture or Slit up the Middle, thro' which the ufual Rays país to the Eye, and difruments LEAN whereof has an Aperture of out up the Mind-dle, thro' which the ufual Rays pais to the Eye, and di-flant Objects are feen. Their Ule is for the just Direction of the Index to the Line of the Object. See TRIESCOPE, CIRCUMPERENTOR, ALIDADE, &C.

Plain Sight, See Sights. Telescopic Sights.

Mr. Hamflead and Dr. Hosk, abfolurely explode the Use of Plain Subts in Astronomical Observations. The Errors in Tychy's Latitudes of the Stars, Mr. Hamflead afteribes wholly to his using Plain Subts; and suspects, that Herolius wholly to him Mind of Chamfle Stars. wholly to his ning Visin Sights, and sulpetts, that Heeslins using the faune Kind of Sights, will fall into the like Errors. Hersilist, on the contrary, in a Paper in the Philasphical Transfalliers, vindicates the Ule of Philas Sights, and perfers them to Telescopic ones. The main Objection he makes to them to Telescopic ones. The main Objection he makes to the latter, is, That no Observation can be fafely taken with the latter, is, That no Oblevation can be fately taken with them, without first examining and rectifying them: In which Examination, many and grofs Miltakes are liable to be com-mitted. To which he adds, That in Sextants, Othants, Asimuth Quadrants, §6. he does not fee how fur Exami-nation can be made, at all times, without much Loß of Time.

SIGILLARIA, a folemn Feast held among the ancient Resease; thus called from a Custom which obtained therein,

of fending linie Parisans from me to another; confiding of Seals, linies Gravang, Socilarues, eds. The Syndems fel-lowed immediately derive the Seamonate, and beld For David in Mediately derive the Seamonate, and beld For David Common of Season Days. The line Seamonate, make a Seamonate of Season Days. The line Seamonate of Season Days. The line seamonate of Season Days. The line seamonate of Season Days. The line, where we show the Season Season of Season Days are season of Season Days and Season Days an

guess to "Pilis.

SIGILLATA TERRA, a Kind of Earth or Clay, dug

SIGILLATA TERRA, a Kind of Earth or Clay, dug

SIGILLATA TERRA, a Kind of Earth or Clay

of con-Intellectual Learning, there are con
terran Colone, but one of commonly Red, heavy, for

and fraible, held very affrigent, and, as feed, seld

sand fraible, a bell very affrigent, and, as feed, seld

Pilips attributes, and a significant or control of the con
Clay attributes, and a significant or control of the Cryp in file as perfect in Terran Cryp as articular to the control of the Cryp in file as a feeder in Terada. "Two antennty found

files where Zhinax's Perejis boardood of the Cryp information of the C file 3 where  $D_{MEMS}$  Priests went at certain 1 lanes, with great Ceremony, to dig it up. After a lutel Preparation, they made it up into Troches, and stal'd them with  $D_{MEMS}$  cal; whence the Appellation of  $S_{SS}^{**}$  likes,  $S_{SS}^{**}$   $S_{SS}^{**}$ . The now brought trom Conflorrinophe in little Cakes orbicular, on one brought from Confloringple in little Cakes orderlar, on one side flat, on the other feeld. See "Lean". SIGNLLUM, a Sted or Sogner. See Seal and Signer. SIGN, a tentible Mark or Character, elegoing for-thing ablent, or invifible. See Character and Mark.

SIGN, a femilie Mañ er Chrañze, carening finar-hing abdan, or invilled. See Granacren and Maxim-hing abdan, or invilled. See Granacren and Maxim-land of peak and the companion of floats, were not al-lowed to fpeak and to expert signed floats, where and years are companion of the companion of the com-lored to fpeak and to expert seems of the com-panion of the companion of the companion of the piece and on Speaking and Virtuing. Store, in Medicane, one Appearance in the Body, distin-tion, and the companion of the companion of the tree at the first seems, where, by just Reactioning, in-terned the first seems of the companion of the com-tant of the companion of the companion of the tree at the first seems of the companion of the tree at the companion of the companion of the com-tant of the companion of the companion of the com-tant of the companion of the companion of the com-tant of the companion of the companion of the com-tant of the companion of the companion of the com-tant of the companion of the companion of the com-tant of the companion of the companion of the companion of the com-tant of the companion of the companion of the com-tant of the companion of the companion of the com-tant of the companion of the companion of the com-tant of the companion of the companion of the com-tant of the companion of the companion of the com-tant of the companion of the companion of the companion of the com-tant of the companion of th like, are called Zuginpite Signt. See Darassorre. Insole work interest for hearth State Hearth of are called Prignifile Signt. See Processorre. That Sign which is proper to Signt. See Processorre. That Sign which is proper to Rotte Theorem in the Signt the Difeate. On which Fooring, the Signs are all reducible to these Three Classes, us. Sgasof the Crudity and Digeftion of the Difeate; of 118 Event, whether in Health, a Dif-Signs are called Crimeal over. See Cauptry, Dioestron,

Signs are called Crimeal over. See Cauptry, Dioestron,

Signs are called Crimeal over. See Cauptry, Dioestron, DISTASE

DIELEG.

Since, in Altonomy, a Twelfih Part of the Ediptic, or Since, in Altonomy, a Twelfih Part of the Ediptic, or Since, in Altonomy, and the Part of the Ediptic and Equinocities. Which Sign they demands of the Ediptic and Equinocities. Which Sign they demands of the Ediptic and Equinocities. Which Sign they demands of the Ediptic and Equinocities. Which Sign they demands of the Ediptic and Equinocities. Which Sign they demands of the Ediptic and Equinocities. The Ediptic and Ed

The Names of the Taylov Sign, and their Order, are as follow, sire, Jaran, Gennia, Content, Coret, Lee, Fryg, Lifer, as stown, sire, Jaran, Gennia, Comer, Lee, Fryg, Lifer, Sirch, Grinder, Gri

mal Signs, Southern Signs.

For the Motion of the Signs. See PRECESSION of the

SIGN Manual, the fetting one's Hand and Scal to a Writing. See SIGNATURE. Among the Secons, before the Invention occ alona was. Among the Street, before the Invention of Scafe, a - was a common Sign or Signatin, prefixed to the Names of most substraining Winnelles in Chatters and other Deeds, as + Signam Reherit Epiplop. Lend. &c. SIGNAI, a certain Sign agreed upon for the conveying of Intelligence whither the Voice enumer teach, Signad are given for the beginning of a Battle, or an Attack 1 Some-

S I G

times with Druma and Trampets. As 80s, Sgond's see given
by Canon of Staket Shot, by Lights, balls, Yang, GC

staket Shot, by Lights, balls, Yang, GC

who had no regular Couriers or Falls, made Use herrof to
occur; lumlingues of with regift als rare Diffuser. Eve
System to Space y from Mention whereof, we find under by
Space to Space y from Mention whereof, we find under by
Space to Space y from Mention whereof, we find under by
Space to Space y from Mention whereof, we find under by
Space to Space y from Mention whereof, we find under by
Space to Space y from Mention whereof, we find under by
Space to Space y from Mention whereof, we find under by
Space to Space y from Mention whereof, we find under by
Space to Space y from Mention whereof, we find the
Price at the Dynames to Space y for the New York
Price at the Dynames to Space y for the New York
Price at the Dynames of the Space y for the New York
Price at the Dynames of the Space y for the New York
Price at the Dynames of the Space y for the New York
Price at the Dynames of the Space y for the New York
First, they were in Use among the Space of the Mention
First, they were in Use among the Space of the New York
First, they were the Space y for the Space y
Space y for the Space y for the Space y
Space y for the Space y for the Space y
Space y for the Space y for the Space y
Space y for the Space y for the Space y
Space y of the Mention of Ships, wither in
the Dyn of by Space, other or are the Remains of
the Price of the Space y for the Space y
Space y of New Or y The Space y or y
Space y of New Or y The Space y or y
Space y of the Space y or y
Space y or y
Space y or y
Space y or y
Space y or y
Space y or y
Space y or y
Space y or y
Space y or y
Space y or y
Space y or y
Space y
Space y or y
Space y

## SIGNALS BY DOV.

When the Commander in Chief would have them pre-When the Commander to Cintra would have them pre-pare for Sailing, he firth looke is his Fort-top-fall, and then the whole Fleet are to do the fame. When he would have them Unntoor, he lootes his Main-top fall, and fires a Gan, which in the Koyal Nary is to be answered by every Flag-ship. When he would have them Weigh, he loofes his Forewhich in the Royal Navy is to be antered or every rang-hin, When he would have them Weigh, he todor he in Year, he was the word of the the the second of the the second of the Sherts. The Gan is to be andwared by every Flag flips, and every Ship to get to Sail as from as it can. I want the Lea-ward flick, the Sternmond Ship as to weigh first. When he every Ship to get to Sail as from as it can. I want the Lea-ward flick, the Sternmond Ship as to weight first. When he rade and the second of the second of the Ship as the Trade first, he looks the Union Flag as the Marteney-walth Flag Flag, he bottle as Union Flag as the Marteney-walther Flags Flags, he bottle as Union Flag as the Marteney-walther Flags Flags, he bottle as Union Flag as the Marteney-walther Flags Flags, he bottle as Union Flag as the Marteneymids hand, and fere a Gun; and when he would have all the white Fleet Tack, he holist an Unloss, both on othe Fore, and Mitterseparath heads, and fere a Gun. When in had content to the property of the property of the property content Tack, he holist a Prolate on the Hongo deaff, and free a Gun; And then the Leeward-mod and Stern-mod Ships area West rift, and help of the Hongo deaff, and the property Flag is a nativer with the fame Signed. If they are lyingly, or Zuilleg by a Winn, and the Admiral would have them of Free a Gun, which the Flags are to antiest: And three the Leevand-mod Ships are to hear up find, and to give Rome for the Wenther and to Wear, and fall before the Wind Hough Brown of the Wenther and the Winner and the Winner and the Winner and to Wear, and fall before the Wind Hough Brown of the Wenther and to Wear, and fall before the Wind Hough Brown when the Admiral had Occasion of West and for the Weather-and 10 Wear, and full before "the Winds with a certify sail, in the Admiral content sheath. But if it was in a certification in the Admiral content sheath. But if it was in a certification in the Wind, that both Jack and Lengthe be abread, he can like a like the property of the Admiral to Adm

and how many; but if he be at fuch a Diffance, that the and how many; but it he be at loch a Diffance, that the Enfigin can't well be differenced, he is then to lay his Head rowards the Ship or Ships to deferyd, and to brail up has low Sails, and continue holfling, and lowering his Top-sails, and making a Wett with his Top-gallant Sails, till he is perceived by the Admiral. When the Admiral would have the Vice-Admiral, or he that commands in the Second Polithe Vice-Admiral, or he that commands in the Second Folf-of the Fiets, no fend out Ships to Clade, he hoists a Figa-firiped White and Red, on the Figg-flaff, at the Fore-top-muth-head, and first a Gon. But it he would have the Rear-Admiral do fo, he then hostly the fame Signal on the Figg-flaff, at the Mizer-top-muti-head, and hires a Gue, When the Admiral would have any Ship to Chafe to Wind. ward, he makes a Signal for speaking with the Captain, and he hnifts a Red Flag in the Mizen-Broads, and fires a Gun: But if to Chase to Leeward, a Blue Flag; and the fame Signal is made by the Flag, in whose Division that Ship is. When he would have them give over Chase, he fines Signal is made by the Fing, in whote Livition that Shapin a. When he would have from grow over Consider Shapin a. When he would have from grow over Consideration Shapin and the state of the shaping and the same head, and fire a Gan v. Which Signal is to be made shife, by that Fing hips, which is search if the Ship that greec Considera-te and the shaping and the shaping and the shaping and the shaping consideration of the shaping and the shaping the shaping and the shaping and the shaping and the shaping the shaping and the shaping the shaping and the shaping the shaping and th When the Admiral would have the Fleet to prepare to Anchor, be boilts an Enfigo, firiped Red, Blue and White on the Enfigo-flaff, and firet a Gon, and every Flag-flip makes the fame Signas. If he would have the Fleet Moor, on the Entige-Baff, and facet a Gon, and every Flag-flips makes the firme Sogol. I be twould have the Fleet Moon, be hothed his Mizensop-Gai, with the Coewhere haved say, and fires a Gon. I file would have the Fleet even or flip, be the Missensop Gai, with the Coewhere haved by the Leenard Ships are to care of flip first, be give Rooms to the Westerhermolt occurs to Sail. So if the would have any particular Ship to care of flip, and in Chafe to Windowzed, Room of the Coewhere Gain Ship in the Ship into Chafe to Windowzed, Room of the Westerhermolt on the Ship into Chair to Leevard, be boilth as Blace Flag as before. If he would have a window of the Ship into Chair to Leevard, be boilth as Blace Flag as before. If he would have the Fleet executed here of Small Arms, but hothed as feed Flag on the Rodge-Baff, and fore a Gong, but Flag gett Chairs. Flag.

#### SIGNALS by Night;

To be observed at an Anchor, weighing Anchor, and Sailing, are as follow. When the Admiral would have the Sulling, are as follow. When the Admiral would have the Flett to Unsons, and ride flowty, be hange our three Lights, one over another in the Maintenpanult Shrouch, over the contains light in the Maintenpanult Shrouch, over the contains light in the Maintenpanult Shrouch, which was the summer of the Marca Shrowch. Now, Tharat Gons, read for Signation in the Night, mall be firred on the time foliat, that they may make no Aderation in the Sunds. When he would have them Weigh, better in the Sunds. When he would have them Weigh, better the Weigh, but which is to be affected by all the Flags, and every series. Shrowd Bance at a Light in his Marca Shrowd. Gun, which is to be answered by all the Flags, and every private Ship medit bang out a Light in his Mizeo-Shroud. When he would have them Tack, he holds two Flags of the Endigo Stiff, one over another, above the constant Light in his Poop, and fires a Gun, which is to be an forced by all the Flags; and every private Ship is to hand fewerd by all the Plags; and every private Ship is to hang out a Light extraordistry, which in onto the Intern, in June 11 Leventh and the Plags of the Plags of the Leventh and the Leventh and Stemmond Elight mail. The As a fail of the Heavy of the Stemmond Plags has present the state on the other Tack, is to lead the Feet, and him stayed Dark. When he is upon a Wird, and would have the Fleet Yeer, and bring to on the other Tack, he hostility is to be answerd by the Flags dhips, and every privace Blim and andere, with one Light at the Mincapeet. The state of the Stemmond Plags of the Stemmond Plags of the state to Stemmond Stemmond Plags and the Stemmond as the Stemmond Is made. When the would have them, in blowing Weather, to lie a Try, Short, or a Mail, of wife equal Height, and fire five Casus, which are to be sided. the Head-dail brief to the fifst, he will form Light or equal Height, and fire for Gaus, which are to be anisored by the Flag-lhips, and then every private fibre and the total Head of the third the second bear of the second for the second the second the second base to be an facered by all the Flags, and then the Head most, and was thermost Ships, are to make fall first. When he Fleet's failing large, or before the Wind, and the Admiral base them being by, and the by with their Sharp and base them being by, and the by with their Sharp and Table Takes should, he past out four Lights in the Fore Shrowsh, and five fix Guess to bould with the Lardward Takes about a five fix and the Lardward and the should be sho

### Signals ufed, when a Fleet failt in a Fog.

If the Admiral would have hear Weigh, he first too Gama, which every Flag. But it to Audient. To make them Tack, he first four Guns, which are no be adversed by the Flag. But, and then the Lecuvard mode, and Stremmod Ships must sack first, and after they are about, no go with the firms Sail they tacked with, and not to lie by, expecting the Admiral to come a-head: And this is to avoid the Danger of running thro' one another in thick Weather.

ing the Admiral to come scheed, And this is no avoid the Diagnet or insuling two or authorise in this Weather. Diagnet or insuling two or authorise in this Weather. The Diagnet of the Admiral to the Malls, if with the Star borred Tack abourd, is, free in the Star borred Tack, abourd, is, free in the Company of the Star borred Tack, abourd, is, free in the Star borred Tack, and the the Interest of the Star borred Tack, and the Star borred Tack, and the the Head-mostly, and Weather-most Staje are to make Stal fiftil. If it grows that and forgy Weather, and the the Head-mostly, and Weather-most Staje are the Star borred Tack and the Mallston and the Star borred Tack and the Star borred Tack and the Diagnet Star borred Tack and the Diagnet Star borred Tack and the Star borred Tack and the Diagnet Star borred Tack and the Diagnet Star borred Tack and the Star borr

## Signals for calling Officers on Board the Admiral,

When the Admiral puts aboard an Union Flag in the Mizze-fitrowds, and fires a Gan, all the Captains are to come aboard him: And if, with the fame Signal, there be also a West made with the Ensign, then the Lieutenana

of each Ship is to come on board. If an Enfige be per aboard in the tame Place, all the Madiers of the Ships of War are to come on board the Admin. I Seemedred on the Flag-shaff be hostied at the Marco-top-mathesad, and War are to come on board in Admins, I'r s Semilird on the Thing has been dear the Marces top-min blead, and the Thing has been dear the Marces top-min blead, and the Admins. If the English Flags colors to come do not the Admins. If the English Flags colors to come do not the Admins. If the English Flags colors to consider the Adminst the Adminst the Adminst the Marces top-min blead, adminst plant Shands a Sandard as Mances openatils been dear the Adminst the Marces openation and the Adminst 1 ff a Baylandon, are to go to should the Adminst 1 ff a Marces openation of the Marces openation of t ugo, and the tame agains: for whenever ne would prea-with the Lieutenants of any particular Ship, he makes the Signal for the Captain, and a Weft also with the Ensign, When the Admiral would have all the Tenders in the Fleet When the Admiral would have all the Tweders in the Fliest Cong. Yeld his Some, and Frigat with hany to bosis a Cong. Yeld his Some, and Frigat with hany to bosis a Cong. Yeld his Some and Some life Fliest with any puriousless Shiph Tweder, he makes at Sowgal for jeashing orish the Carnilla Shiph Tweder, has the Some life Fliest with the Some life Fliest Shiph Tweder, has been seen and brages are no common for the Fliest Shiph Tweder on the Fliest spanned brand, and a Gen Fried'; and if he he hoults the Prediction, and first word Fliest Shiph Tweder Shiph Twe is the Fedural holited on the Higg duff, and the Mismourpmile Lord, and Gon fired; and if it would have them madiciated, and Gon fired; and if it would have them coming on board him, he holits the Pendan, as a overfield, and fires two Gons. When the Admiral would have all first two Gons. When the Admiral would have a more of the transport of the common fired that the comm an Enlign at his Main-top-fail-yard-arn

#### SIGNALS for managing a Sta-Fight.

When he Admiral would have the Pieter form a Line of Burtic, one Ship should of nomers; to boilist an United Ding at one Mistenspech, and fire a Gun; and every Piete. Burtic, one Ship should of nomers; the line of the Mistenspech, and fire a Gun; and every Piete. Burtic, one absertly of nomers, the will be Readman with the United Pieter. When he would have the Admiral of the Warle, or he that commands in the George Tell, to Talk a White Fig. 200. When he would have the Admiral of the Warle, or he that we consider the Fig. 21 the Mistenspe multi-head, and fire a Gun; and when he would have new Yu-Admiral of the Read of 6, he fireward he will be the the William of the Read of 6, he forgeath a Read Figs, 65; and fire a Gun. He have been described the will be the William of the Read of 6, he forge the Admiral of the Read of 6, he forge the Admiral of the Read of 6, he forge the Admiral of the Read of 6, he forge the Admiral of the Read of 6, he forge the Admiral of the Read of 6, he forge the Admiral of the Read of 6, he forge the Admiral of the Read of 6, he forge the Admiral of the Read of the Gun of the Fire Admiral of the Read of the Gun of the Fire Admiral of the Read of the Fire Admiral of the

board Quarter, come to the Lat-board Tack, with a Gan. If the Was are to nack first, he lyroach the Union Fing at it in the Kell Figs he see Airward, but he Union Fing at it in the Kell Figs he not Airward, but it is the, then be lowers the Foretop Salls a little; and the Union Fing is figread from the Cap of the Foretopmail downwards; for first, he boilds the Union Fing to the Fingshaff, at the Milmrosp mit-back, and fire a Gan, which all the Fighthy are to conseive the control of the Cap of the Fingshaff, at the Milmrosp mit-back, and fire a Gan, which all the Fighthy are to come into any fires, Gan, and fires a Gan, and fires a Gan, and fires a Gan, and fires a Gan, and the Fingship want the the first. bis Wake or Grain, he boilts a Ked Fliga at his Misen-peek, and fires a Gon, and all the Fliga Phips muff do the lame. If he would have him that commands in the Second Polit of bis Squadron to make more Sail (though he himself florters Sail) he holits a White Fligo on the Knings-flatf. But if he that Commands in the Third Polit be to do fo, the boilts as Blue Flig, and fires a Gon, and all the Flig-flips muff make the fame Sgond. Wheevee he builts a Red Flig on Blue Flag, and free a Cook, and all the Flag-flath at the Markov Flag-flath at the Markov Flath at the Flath med fined on. It when this Sozial is made, the Red Flag at the Fores, man Haden Dear All Prigords the Yellow Plag under the Red. If the Flore kern gene one condent and the Fores and the Fores had been been as the Fores and Microscopial of the Price kern gene or condent to lead the Wilder or ongage the Enemy te bendin at Linder Flag at the Price the give at the Enemy te bendin at Linder Flag at the Price at the Fore and Microscopial of the All Price at the Fores and Flag at the Price at the Fores and Flag at the Wilder of the Sozial of the All Price at the Flag at the Wilder of the Sozial of the All Price at the Price at the Price at the Price at the Wilder of the Wi

tures; one in Forms Gratisfa, dispatch'd on an Attestation of the Ordinary; another in Forms signum Autique, diof the Ordinary; another in France agreem zentique, que figatch d'or Canonicates; the third in Ferma agreem Ne-voffma, which is a Kind of Second Seguature, or Executo-rial Letter granted, where upon the Ordinary's failur execute the first within Thirry Days, the nearest other Ordinary is enjoyn'd to execute it.

dinary is enjoyed to execute it.

SionArruns, in Pluning, a Mark at the Bottom of
SionArruns, in Pluning, a Mark at the Bottom of
each Sheet, to facilitate the Gathering and binding of
the Book; and on thew the Order, and Number, of the
Quirte and Sheets. The Signatures condit of the Capital
Letters of the Alphabet; and change in every Quirte. If
there be more Quirte than Letters in the Alphabet; to the
Capital Letters, they add a fault one of the Barne Gers; i.e., little a after a great A, &c. which they repeat, as offen as is necessary.

Signature is also used by some Naturalists for the Resemblance a Vegetable or Mineral bears to any Part of

the Human Body SIGNET, one of the King's Scals, used in staling his private Letters, and in figning all Grants, which pass his Majesty's Hand by Bill. The Signes is always in the Custo-

Majerly's Hand by Bill. The Namer is always in the Cuttle, of of the King's excreations: On whom attend Four Clerks of the Sagat-Office. See Secretarian. SIGNIFICATION and Certificate given by the Ordinary, of a Man that Hands oblinariely Karonimanicate for the Space of Forty Days, for the laying him up in Priffen, without Ball, or Malanpine, till he follows this billeft for the Authority of the Church,

of the Charch.

SIGNFICATION, the Sends of a Sign, Word, Parafe,

SIGNFICATION, the Sends of a Sign, Word, Parafe,

Emblem, 65: or the Hung menus or decord by the Sign,

Word, Pigare, 67: We are prefettly as 106 as not be 52;

signification to the Hieroglyphic Characters of the Audience.

SIGNETICATION, in Law, is the Notification of an Ad. 66: made to the opposite Parry, by a Copy, 62: thereof, green and attention by a paper Oliver. Some Sognifica
tion of green and attention by a paper Oliver. Some Sognifica
tion of the Signification of the Signification of the Significant Control of the Significant C

his Holds: For others, 'ist cough they be made to the Party's Attentes, or Agent. SILE NCIAKCY, Scheedinsta, an Officer among the exti-ence Reason Silver. The Oslineign, seconding to home As-and Dis, and keep them filters. Senten, in this Epillet, and Dis, and keep them filters. Senten, in this Epillet, mentioning the great Cara take no keep the Silver metre, but given Oscillan a Lightin, Populor, and fone others, to fap-cient the Cara of the Cara of the Cara of the Cara from Street's Works you any Taling, but that they were, even then, very few in percenting any Novike samong the socialistic of the Cara of the Cara of the Cara of the socialistic of the Cara of the Cara of the Cara of the socialistic of the Cara of the Cara of the Cara of the Cara first and the Cara of the Cara of the Cara of the Cara of the socialistic of the Cara of the socialistic of the Cara of the Cara of the Cara of the Cara of the socialistic of the Cara of the Cara of the Cara of the Cara of the socialistic of the Cara of the socialistic of the Cara of the Cara of the Cara of the Cara of the socialistic of the Cara of the Cara of the Cara of the Cara of the socialistic of the Cara of the Cara of the Cara of the Cara of the socialistic of the Cara of the Cara of the Cara of the Cara of the socialistic of the Cara of the Cara of the Cara of the Cara of the socialistic of the Cara of the Cara of the Cara of the Cara of the socialistic of the Cara of the Cara of the Cara of the Cara of the social of the Cara of the social of the Cara of the social of the Cara of the not established on account on a time of advisors won as the first Author that mentions it.— There were also follows from the control of the c

SILENI, in Antiquity, Heathen Demi-Gods; the fame with the Satyrs, which were called Sileni when they came to with the Satyrs, which were called Satem when they came to be advanced in Age. Let was there one principal Salems, elder than any of the rell. Died. Sixthat Jays, He was the Matter, or Tear of Backetn, whom he difciplined nobly, and followed him to the Wars. He quotes an ascient Peet nam-der of Psyments, who relates, That the Satem stilled Gatechus in the War he wayed against the Thensy addings, That the War he wayed against the Thensy addings, That the firth disease reigned in an illiand mode by the River driven in Logici. He is repredented, as having a long Tail happing ligh behind, which is likewise as Autobest of all his Palling ing behind, which is likewise as Autobest of all his Palling ing behind, which is likewise as the light of t

'its faid, That our Saviour fhall bind his Afs to the Vine, and his Colt to the young Vine; Siltents is made to ride at Afs. Because our Savious washed his Garments in Blood, as those who road the Wine-prefs; Milmor was made to prefide oner these, who prefid the Vintage. Because, 'it's added, his Eyes were red by Reasino of Wine; Milmors was made a leway fieldled. Becherr advances all this with a

ceil of Diffruft, as he has Reafon; it having no Warrant life adds, That the Devil intened the Fable of Shems, to must be a very life adds, Richard, but must be a very inpostera Devil, and Richard. But each great the state of 
was a Native, pur 10 sacwere they roun possing of Diffeovery, that they could not be induced to believe fo fine a Thread fhould be the Work of a Worm; and thereupon formed a Thousand Chymerical Conjectures of their own.

formed a Thouland Crymerical Congellares of pheir own.
Thus Tumper mented a Silk a very fearer Commodify.
Thus Tumper mented a Silk a very fearer Commodified.
Weight against Gold's Informeds, that profession of the set.
Weight against Gold's Informeds, that profession of the set.
The Emperer Arminion, refuring the Impurer, has Spaced,
a Suite of Silk, which the failatted of him with much
as the set of the Common of the Common of the Common of the Silk
Managhaman of the Silk and the Silk
Managhaman of Silk Press, availage and
to the Common of the Silk and the Silk
Managhaman of the Silk and Silk
Managhaman of the Silk and Allens,
Teles, and Certain. Brown Kine of Crisic shallings.

10. J. 1. 1996 - ms., accommodates were set up at zonem, and About the Vesa s 130, Roger King of Sciley, challified a 3.6th Manuschkery at Pederson, and another in Colderie 1 and the Hunder of Sciles of the Colderie 2 and the Colderie 2

Part of Europe. The Silk-worm is an Infect, not more remarkable for the The Silk-serror is an Infeld, not more remarkable for the precious Matter is formulate for driver Seedin, shan for the many Forms is affirmen, before and after its being inverloyed Seed, which is in first Size, it is known as pretty high Wern, of a shirth Colour, bordering on a yellow. When a Hern, of a shirth Colour, bordering on a yellow. When A Hern, of a shirth Colour, bordering on a yellow. When A Hern, which we have the shirth of the shirth Colour, bordering on a yellow. When A Hern, which we have the shirth of the shirth

Web: For 'its thus they call that flight Tiflue, which makes the Beginning, and Ground of this admirable Work. This the Beginning, and Ground of this identicable Work. This this first Day's Employment. On the Second, he forms this first Day's Employment on the Second, he form state of the Company of the Second, he form the Company of the Company

75 J. L. Ten Days time, the Cool is in its Pupel-time, and it won't be taken down from the Branches of the Mulberry Three, where the Hirms have bug tilt. But this Point requires a deal of Attention, for there are forme Hirms's more lany three three transports of the Attention of the Hirms's more lany three transports of the Hirms's three Hirms's three Attentions, for there are formed Hirms's more lany three three transports of the Hirms's three H

nount common are iction, Orange-Closer, Intelletts, and
There are from the Go a Sac green, others of a SulphaColour, and others White: But there is no Necellity for
Colour, and others White: But there is no Necellity for
Colour, and others White: But there is no Necellity for
Colour, and the Golden are to be led in the titure Society and
Preparing of the Gill.
Preparing of the Golden Colours of Colours of the
Colours of Parme, no draw the Sill. The Winders, then,
over the Parmes (fine heart and book of Copper; the colour
a Reed, or Parme, no draw the Sill. The Winders, then,
over the Parmes (fine heart and book of on certain Degree which Cultim slone can teach) a Handful or 1 certain Degree which Cultim slone can teach) a Handful or 1 certain Degree which Cultim slone can teach) a Handful or 1 certain Degree which Cultim slone can teach) a Handful or 1 certain
Will Handful or 1 c ing to the Bigness required to the Works they are deflined for: Eight Ends fufficing for Ribbonds 1 and Velvets. 856. and to the Ellipsel required to the Works they are defined on the Works they are defined executing no let than Fourser. The Ello that is joint, do to 'I've or 'I've

lerable Side. Cook, after consing them with Sciffer, and Alto the Standbulk was filled in U.S. at the first Alto the Standbulk was filled for the Standbulk of ing of Food) they are freeped Three or Four Days in Tooghy, the Waste valuered is hanged every Day to pre-Sourcing and detared of that genumy Matter; the From Mall little die Inflet with Alton and which readers it imposerable to the Wart, and even to Air it felf; they boil them Infif and after whiling below not in the River, and drying them in the Standbulk of the in the Standbulk of the Standbulk of the Standbulk of the in the Standbulk of the Standbulk

that rules another Kind of Benera, formewhat inferior to the former.

The fewent Pergansian which Siltz undergo, to far them The fewent Pergansian which Siltz undergo, to far them The Fewent Pergansian was a second of the Siltz of Pergansian many Skains. See Spinning, Reeling, Milling, and Dring, each under its proper Article.

Rate Sign, is that taken from the Cod, without Fire, and wound without boiling, such is most, if not all, that is brought into Englands from the Leavant. In the French Silkewick, the greatest Part of this Silk passes for little better than a Kind of very fine Fleuret; yet, when ipan, it makes a bright Thread, and ferves for the Manufacture of Stuffs of moderate Value,

seroy fich Flouret, yet, when flyon, it makes a buglet Thread, and datter barthe Rome 50th or the Learning. The content of the series of the content of the series of the

Chinese Stuf Commig Stutts. Within a few Years the Secret has been found in France, of procuring and preparing \$\textit{Dist} \text{Dist}\$ for the Webs of \$\text{Spirers}\$, and uling it in feweral Manufactures. This Distrovery is owing to \$M\$. \$\text{Hes}\$ in \$17.0\$, who published a Differentiation on the Subject; whence what follows is extracted.

See SPIDER-WEB.

Stiders are usually diffinguished, either with regard to their Colour; as, into Black, Brown, Yellow, White, &c. or, with regard to the Number, or Arrangement, of their

Solidary are stately distinguished, either with regard to their Colori 1, 8 no. Bleck, Brown, 1400, Whate, & Colori 1, 80 no. Bleck, Brown, 1400, Whate, & Erger, in the Colori 1, 80 no. Bleck for the Colori 1, 80 no. Bleck for the Colori 1, 80 no. Bleck for the Solidary A. Bore reduces from all to two kinds, are those which family the Rew Solidary are the solidary and the solidary that the solidary are the solidary and the solidary that the solidary are the solidary and the solidary that the solidary are the solidary and the solidary that the solidary are the solidary and the solidary that the solidary are the solidary and the solidary and the solidary and the solidary are the solidary and the

the Experiment difficult; for which Reason we confine our felves to the Bags of the commonelt Spiders, which are the short-legg'd Kind. These always find our force Place secure fhort-legg'd Kind. I dete atways and one board time recute from the Wind and Rain, to make their Bags; as, hellow Trees, the Corners of Windows, or Vaults, or under the Eaves of Houses. By collecting a Quantity of their Bags. There is Hearis. By calleding a Quantity of their ling, a new 35t; in make, inferior in souling to the constant 35th. It rakes all Kinds of Dyes, and nay be made into 35th. It rakes all Kinds of Suchenge, and Citore, and Kinds of Suches, and Citore, and Kinds of Suches, and Citore, and Citore, and the such as the suc

mass. Autor, shiring general the of proceedings to the transport of the tr

Porms. For they multiply much more gevery Spider laying 6 for 700 Eggs, whereas the Silk-Worms don't lay above 100; yet are thefe laft, fo tender, &c. that one Half die without making any Bags, or are hinder'd by fome little Acout making any Baga, er an Innder'd by fame little As-cedent, from nakang her Baga. Whereas the Spides hand of cinemiletes, window any Chre, in the Mombs of Angol and Mylender, in Hiesen of Streen Lloya after eight Angol and Mylender, in Hiesen of Streen Lloya after eight Angol and Mylender and Angol and Angol and Angol The young Chres trus bred, litt Ten or Taelte Months without canning, and contrasts in ther Bag window growing, till the lost Western potting their visit of Jases in Mution, Were a Way, therefore, found of breeding young Spi-Streen, Rooms, they would, doublefer, Familh a must perset quantity of Bags than 30-184 print for Fee Seven or Eight bundred young Spiders, which in Jim Ferp, Gare one died lived to the Chreston of the Streen Chreston Christopher and Hird to make their Bags. M. Jim Strein, quoteful falls in Hird to make their Bags. M. Jim Strein, quoteful falls in lived to make their Bags. M. Box baving order'd all the short-legg'd Spiders that could be found in the Months of Hoot-tegg d Speders that could be found in the Mooths of Agonff and Sprember, to be brought to him, flust them up in Paper Coffins, and Ports, covering the Pors with Papers, which he pricked full of Fin-holes, as well as the Coffins, regive them Air. He fed them with Fliers, and found fometime afterwards the greatest part of them had made their Bags. The fame Excellent Perfor found that Spiders Bags. Bags. In a fattle Executed Ferfen found that Spieders Bags, with regard to there Weight, afrod much more Sife than those of the Sife Worm. As a Froof hereof, he otherwork That Thirteen Ounces yield rear Four Ounces of clear Sife, Two Ounces whereof, will make a Fair of Stockings; a Woreas Stockings of common Sife weigh Serven or Light Ounces i Nor is there any Venom in the Sife, or even in the Spiede, as many base transpired. M. Zon has been bit the Spiede, as many base transpired. M. Zon has been bit the Spieder, as many base transpired. M. Zon has been bit the Spieder, as many base transpired. M. Zon has been bit the Spieder, as many base transpired. M. Zon has been bit the Spieder, as many base transpired. M. Zon has been bit the Spieder, as many base transpired. M. Zon has been bit the Spieder, as many base transpired. M. Zon has been bit the Spieder, as many base transpired.

Unneret: Nor is there any Versem in the Sh, or even in by them feveral times, without any numer of larges, and as for the Sh, 're suited with very good Succeix, to they are suited to the suited of the suited for the suited of the suited of the suited of the suited for the suited of the suit the Spider's Bag is inferior to that of the Silk-morns, both in Luttre and Strength; and that it produces left Matter to be manufactured. The Thread of the Spider's Web only be manufactured. The Thread of the Spider's Web celly bears a Weight of Two Grains without breaking; that of

S I L.

ste Dag bean 16. The latter, therefore, in all Publishing the Bog bean 16. The latter, therefore, in all Publishing L. Berner Times thicker this the fewers as on a literature of the latter of the Spider's except the latter of the Spider's except the latter of 
### Commerce of Silks,

Premeb Silks. "Tis only in the most Southern Provinces of France, that Silk is cultivated, Mulberry Trees planted, and Worms bred. The principal, are those of Languesies, Daughtus, Provence, Leigung, Satuy and Lyeat, This latt Place, indeed, furnishes very few Silks of its own Growth; but is the great Staple whence the Merchants of Paris and but it the great Stuffe where the Merchant of Yari and the other Cleist are to fresh them a 1 stail, they are obliged the tother Cleist are to fresh them, a 1 stail, they are obliged to the stail of the stail of the stail of the stail of the elfewhere, either by Land or See. They being the stail at the Faunt winglest. Of which foods Bales, them are 1400 for the stail of the faunt. In the Films when the Standfaures of Lyans were played in the See Manufacture to the stail of the term is a 50°, there were not rectain 0 soon. The Denny is winding and perspiring the Silks is good Loans to were them, and goods Ferfus employed in the Preparation and the stail of the Loans of the stail of the

Manufacturing thereof; which are now reduced to 70 mins, 1700 Looms, and 4000 Ferfons, Sielliss Silns. The Commerce of the Silks of Sielks is very confiderable; and the Forentines, Geneele and Luc-coft, are the People who chiefly make it. Great Quantities are Yearly brought thence, effectially from Meffina; part where of they use in their own Manufactures, and sell the rest to their Neighbours, the French, &c. with Profit. The Italians their Neighbours, the Pronch, Sc. with Profit. The Intlinst have this Advantage, effectively the Georgie, over other People. That having large Effabliffuncus in the Itland, they are repared as Natives, and pay so Duty for the Export. Part of the Sicilians Silks are Raw; the reft Spun and Mill'd; of which laft Kind, those of St. Lucia and Meffins, are the most valued. The raw, unwrought Silks are always fold for eady Money; the others, fometimes, in Exchange for other

(Scoots. The Silks brought from Italy are partly Wrought, and partly Raw, and Un wrought. Milas, Yarma, Lucca and Modens, furnish noce but the latter Kind 3 Genes most of the former; Benilegne affords both Kinds. Spanish Silks, are all Raw, and are Span, Mil'd, Ele. in England. according to the feveral Works they are to be

used in.

Silks of the Levisut, are all Raw. One Advantage we have in the Commerce of the Levisut, in Silks, wanting in those of Sicily, is, That the latter are confined to a particular those of Solay, in, That the latter are confined to a particular Solation for the 'old' whereas the Fourne are looping at all Solation for the 'old' whereas the Solation for Solation of the 'old', the 'old' of the 'old of the 'o

Ambor affures us, there don't come left shan 10000 biles of 50k in a Year. Artifold artificial, mother City of Hypfe, some its allitate from total 50k for a Year. Artifold artificial, mother City of Hypfe, some its allitate from total 50k Contracts, in the Pittee where the Carenna ties of the Supriss, Marjot, and Confidence the Carenna ties of the Supriss, Marjot, and Confidence the Carenna ties of the 50k Trade; which has been feveral Times arounged of the 50k Trade; which has been feveral Times arounged of Artificial Supriss, the Supriss, the Marjot Confidence of Artificial Supriss, the Wiles Supriss, two Rivers that travel the proincipal Provinces of that vate Empire. This are Contract of the Supriss, the Supriss of the Supriss, the Contract of Contract, a Geosfie, no Case Marjot, the Property of the Policy in 1545. The Dake of Hydforn, in 1633, four Embodialous to the Court of Artificial Supriss arounged the thing harmful for his work distribution of the Court of Affects Marious arounged the chiral printing for his work displayed by the Rebellion of the Court of Affects and the Graphica Court of Prefers Sufficience of Prefers S Affection account extension one mining numerical goat was a sur-merical and a surface of the property of the property of the pro-line of affection. In 1888, the Commerce of Perglam Sulf-law like to have been removed from Suprased by an Earthquake, the like the bare of the what Cryst And, deadleded, the property of 
are the untel discend, though, the de of Nomenia and Carmos be excellent. The SSD Trade is the Firmingsia Calina, and that which english is the man Rands, fair the Englisher and that which english is the new tells and the state of the Calina and the state of the Calina and the Salana and the Calina and th

in he Middle of the state, we have, it is the more common I is observed earlied Develope, which is the more common Name, the Envision of the Name, the Envision of Name, the Envision of Name, the Envision of Name, the Envision of Name, the Name, t

being here needed, nor any Thing, but to put them in the First is Where the Leid exaporation, leaves the Soler pare. The Leidans, which will the Arrival trees the Arrival trees are the Leidans of the L

part Sifern, interwive like a Siferr Caloon, that has been most to get out the Silk. In Quality Sever, as a finally. The Silker Feirs, and nonarch the Enterment. But the third Fines are those where the Veins interfelt. The tecknode a great Addition to the Rehates of a Mine to be more a River, for the Advantage of Mills to grind Our. At Ejes and Parell, for Indiance, the Cassus of Our must jield. To Millan to selfonly Expences, whereas, at I Zamara, there

need not above Five The most usual Way of separating the Steer from the Oar, is by what they call Physics. See Planes. Sometimes, however, they use nothing but Fire frequently repeat-

Orano, Eighty Leagues trom orange and the most offen orange in 1712. This ematakalle, that most of the Mines in America are found in cold and lattern Hazer. The Method of Eparating Share from the Ore, in Europe, is the fame as that of Gold: That is, by Means of Sputchies with this Difference, that to Solven, overly thity Hundred Weight of Ore, is added One Hundred Weight of Ore of the Hundred Weight of Ore

Hundred Weight of Ure, is added One Hundred Weight of Rock-Salt, or fine other natural Salt. That curious Operation may be feen at length under the Article Gold.

To feparate the Silver from the Mercury, wherewith its amalgamated; they have a Parantee open a-top, and the Aperture covered with a kind of Capital made of Earth, of Aperture covered with a kind of Capital made of Earth, of a Cylindrical Form; that may be chapfed on, or taken of at Pleafure. The Mais of Silver, and Quick-filter, being laid in the Parance, the Capital applied, and the Fire light ed underneath; by this Means, the Quick-filter rais'd by the Aklion of the Fire, in Form of Vapour, is caught in the Capital, and taken thence, to be used in the Second Open.

the Cappana, and aken throne, no to telect in the Second Open-The Sundard of fire Softer in a Permyweights, each conflicing of as Genize. When his fellow this, it must be restricted in a by Koffinger with its General Cappana, and a Microscopic of the Cappana of the Cappana of the Cappana and the Cappana of the Cappana

cold j in the Bestom whereof, the Silver Race in Form of a Checken tark Religion of Silver with Lead, there is a non-keekhant with Religion of Silver with Acad there is now the second that t

tity of Steel Filings upon it, at feveral Times: Upon this, the Sulphur quits the Sulser, and joins it telf to the Iree, and both are converted into Scotia, which fisim on the Steel; and the bletal it telf is found pure at the Bottom of the

Crucible. The Effly of Silver is also made by the Coppel, in the fance Manner as the erhining by Lead. If the Silver, site fance Manner as the erhining by Lead. If the Silver, with the Corning, or each function, and the Corning, or each function, and the Corning of the Control of Contro

2 Infect of rear.

Silver.Leaf, is that the Gold-beaters have reduced into fine, thin Leaves, to be used by Gilders, &c. See Gorn.

Less Shell-Sixver, is made of the Shreads of Silver Leaves, or of the Leaves themselves: Used in Painting and Silvering cer-

tain Works. Shell-Silver is prepared after the fame Manner as Shell-Gold. See Gold.

as food food. See Gener.

SELVER, in CONVINITY, in called Lime, Moons, and General SELVER, in CONVINITY, in Convin nalis is nothing but Silver diffolved in Aqua Fortis, and left to crystallize.

left no crystallife.

See Mary care:

Simple Strata. See Mary care:

Simple Strata. Governing of any Work with Short.

Left. The ulant to Solver Metals, Wood, Paper, Gr.

Which is performed either by Fine, by Oil, or by Gine Metal-Gulders fiber by the Fire: Pattert Gulders, all the SILVESTRIS, as red Grain udde to Dye in Scattler.

The Time that preduces it, in presiden to the Province of produces the Cooking-Cliffers, only in this, but the First containing the Cenia Silvestry, is formewhat longer than that of the Cochine-Gliffers, With no the First of the Silvestry and the Cochine-Gliffers, With no the First of the Silvestry and the Cochine-Gliffers, With no the First of the Silvestry and the Silvestry and the Cochine-Gliffers, With no the First of the Silvestry and the S the Occhimet-I'ree: When the Fruit of the former is rigo-in opens of its fift, and earls out its Seed upon a gente Haking; and the Indoors gather it in Earthen Hause for Indoors are in the Indoors and Indoors are in the Indoors are in the Indoors and Indoors of Seed, whereas Four of the Occhimet Fruits, yield an Ounce of Indecht. The two Drugs are much like our aconther, as to the Eye, but prove very different; the Tinchure of Cachimet being infinitely more beautiful than that of difficients?

two Army of the control of Condensed Posts infinitely once beautiful than that of Sologhiri: Son Sologhiri Sologhi

be the concived and he Sauifar to B, all Things in A will be the finne with those in B.

and the the finne with those in B.

and the the finne with those in B.

by affirming finne work of the control of the control of the property of the

the equal Angles, proportional. 2°. All Similar Tra-sugles are, to each other, as the Squares of their bomologous Sides,

gons Sides.

Similar Pelygons are those, whose Angles are equal, and
their Sides proportional.

And the like of other finisher rechilinear Figures. See
POLYGON, and RECTILINEAL Figure.

Hence, all Similar Pelygons are, to each other, as the

Hence, all Similar Phijgous are, to each other, as the Squares of the homologous Sides. Similan Actors, are fach as are Similar, or equal Parts of their religible Cerumferences. Similan Squarest of Circles, are fuch as contain equal Angles. See Sconkey.

Similar Cone Sections, are those whose Diameters make Angles equal to those of their Ordinates; i.e. those which

Angles equal to those of their Ordinates j. i., there when are equitated and equiangular, are those which may be ranged into Monitor Reld-supers; i. e., mon Rechnegles, whole Sides are proportional. As do multiplied by 3, and 12 by 43 the Product of one whereof is 12, and the other 42, are Smaller Numbers, are those whose little Cabes may be for super do so to make Smaller and Rechnegles may be for super do so to make Smaller and Rechnegular may be for super do so to make Smaller and Rechnegular to the super 
Parallelipipeds.

Farallelipipeds. In all Similan Figures, the homologous Angles are equal; and the homologous Sides proportional. All regular Figures, and Similar regular one, are in a duplicar Ratio of their homologous Sides. Circles, and Similar Figures, inferibed in them, are, to each other, as the Squares of the Diameter. See Ficurus.

STMILAR Angles, are also equal Angles. In folid Angles, when the Planes, under which they are contained, are equal both in Number and Magnitude, and are dif-

see close on a valuer she avagatuae, and are cin-poied in the fame Order; they are Smiler, and conf-quently equal. See Anoles. In Sinsilan Trimogles, and Parallelograms, the Alti-tudes are proportional to the honologous Sides; and the Bales are cut proportionably by those Sides. See

the Bales are cut proportionably by those Sides. See Trainages, &c.

Sissilan Difesif, a Difesife of fome fimple, folid Part of the Body; as of a Fibre, with regard to its Ten-fion or Flaccidity; of a Membrane; a nervous Canal, &c. See DISKASE.

Sec Distant.

Se

SIMILITUDE, in Arithmetic, Geometry, &c. the Rela-SIMILITUDE, in Aribmetic, Geometry, Ge. the Rela-tion of two Things finder to each other; or which are ofly dillinguishable by Comprehence, See System. The Notion of the Comprehence, See System. The Notion of the Golden, and the Comprehence, See System. The Notion of the Golden, and the Comprehence of the State following Inlinear. Swappels two Warches perfectly alike a the Golden, and Comprehence of Graechus; if he was clear paid out has Wasch in Perfence of Graechus; if he state will be fourpeiled, and study it how only both we will be suffered to the Comprehence of the works of the Comprehence of the powers of different from his own, upon pulsar out his works of different from his own, upon pulsar out his works of different from his own, upon pulsar out his works. own, by their Com-preferee; or, by applying the one im-mediately to the other,

Euclis, and after him most other Authors, demonstrated as Things from the fole Principle of Congrainy: Widging in like wheres, findstitutes that of Smallintes, which, he tells as was communicated to him by M. Zeidoste, and which are most proposed by the Congrainty of Ferring to demonstrate using the Congrainty as ferring to demonstrate using the Congrainty of Small Principle of Congrainty, by an Amsterdam of the Congrainty 
demonstrate missy Things directly, which are only demonstrate from the trincipe of Conguency, by an Anmonstrate from the trincipe of Conguency, by an AnSIMONIACAL is applied to a Perfon goally of Sumoer,
Simoniaca and Conguency and Summer and Manter, which
Moner, See Shawer A. Simular first Manter, which
infamous, and incapable of holding any Bracifice,
the first that the seed of t

Fredlice of worthlyping Angels, and even Improved on its Section of The Corne of renting, with fixed Thimp, particularly of purchasing a Reneitee with Moncy. By the English Canada, whose 1219, Moncy in the old control of the Contro

neal fester the next Preferent and the compty Eurona Vanet for the Varya and the compty facultient, the for ever dishbed to hold the Livring, and the compty facultient, the for ever dishbed to hold the Livring, and the compty, the compty of the Vanet of the Nematico and Collston to Benefice, a Place in a Monatory, or beginning the South of the Nematico and Collston to Benefice, a Place in a Monatory, or beginning the South and Collston to Herniton, and the Nematico and Collston to Benefice, a Place in a Monatory of the Collston of Fercel Cookel have compared to the Collston of the Value of the Collston of the Collston have contained to an Ecclefication of Fercel Cookel have contained to an Ecclefication of Fercel Cookel Montal National Collston of Collston Montal States and the Collston of South Collston Montal States and the Collston of South Collston Montal States and the Collston of Collston of South Collston Montal States and the Collston of Collston of Montal States and the Collston of Collston

It was agreed, by all the Juffices, Trin.O.S. Jac. Primi, That if the Patron presented any Person to a Benefice with

Cure, for Money, that fach Presentation, &c. is void, though the Presente were not privy to it; and the Statute gives Presentation to the King; but this is now repealed.

Perfections on the King'; but this is now repealed.
SIMPLARY, Support, in Antiquity, a Resease Seldier, who had only single Tay; thus call'd, in Opposition
SIMPLE, Georgia and Company of the Company
SIMPLE, founding not mixed or companied as in which
Sond: it stands in Opposition to Companie. The Elements
are Stapite Bellets; from the Companied The Elements
are Stapite Bellets; from the Companied The Elements
are stapited bellets; from the Companied The Perfect
perfect of the Companied Companied The Companied The Companied The Companies of th Firth, or Primitives; and Companed, which have fome Particle added to them. In Justi-reported we have a Simple Particle added to them. In Justi-reported we have a Simple State of the Particle added to them. In Justi-reported to the Particle Parti

other of atterners where the part of the Tar. Simple Camord are took, where no be lear at leaft two Notes in Combinates; as a Third, and a Fifth) and, of configurate, and a Third, and a Fifth) and, of configurate, and a Callet the Elemented 247rsi g or a more remove them, and called the Elemented 247rsi g or in a more remove them, and called the Elemented 247rsi g or in a more remove them, and a called the Elemented 247rsi g or in a more remove them, and the Fifth is that, and generally freshed in the Third; has been in the Fifth is that, and, generally freshed in the Elemented 1888 of the Section 1888 of the Section 1889, and the Section 1889 of th

Silvers. Espation, in Algebra, is an Equation where the  $(x_1 + b^2)$  a. See Equations. E.g., if  $x_2 = (x_1 + b^2)$  a. See Equations.

Silvers, in Beeavy, it is general Name given to all Herbs, and Plants as a bawing each in a predictal Frience, whereby the Expense, and the Eight Entitle, were not known aiming at interpretation of the Eight Entit, were not known aiming at interpretation of the Eight Entit, which were not known aiming as savey of a Care of South Term a Beerfice, and differenting have given the Expense of the Entitle State of the Expense of the Entitle State of the Entitle S

benical Giodatsion.
SIMPLUDARIA, in Antiquity, a kind of funeral Homous paid to the Deceard, Some will have the Simpla-dient to be linearly, a which Games even childred "Some in the Sentences of "Boulat Dimensor. Feltur fary, They Decear mad Leaper, called, according to Sodiept, Corrierative by the who, according to McDerier, were only a kind of Dissers, who can along the Malia and Tards of Verfiller or Boats, called Griber. In other refpech, shoft Two Authors goes not be kind of Eurors, or. That it was only the state of the state o thors agree as to the kind of Funeral, urs. That it was op-pofite to thole call'd Intiffires wherein, belieds the Dances and Leapers, observed in the Simphialaria, there were De-fidience, or People who vauled on Horses yet, perhaps, Horse-races, wherein the Cavaliers leaped from Horse to Horse at 1900. The Word is form'd from the Latin, Simplese and Liddus, Simphiadria or Simphialaria, Simph

Osinic, a Breach, or Transgression of some divine Law or Command. Place defines Sin to be founding devoid, both of Number and Measure; by way of Contradiction to Virtue, which be makes to consist in masteal Numbers, 25c. Hence Shares observes, That an Action becomes Singla, Eé. Houe Statere obliever, That as Aktion becomes Kijfel, by its wanting a de Cemmenfairthon, the za cerry thing by its wanting a de Cemmenfairthon, the za cerry thing becomes incommenfairthe, and as the libble of Marc Will is the Law of God 360, Ef. Starre adds, That all cril Atlions are prohibited by form driven Law; and that this driven are prohibited by form driven Law; and that this probability of the commentation of

Sans are diffinguish'd into Original and Actual. The Sins are cuttinguist of into Original aloue exists. The Results Calcilities again diffusing with Atheas Sam into Mareal, which are feel as make us lote the Grace of God; and Vinual, which alone are pardord, as being only done of the firmity, not of Malece. The Divines are not yet agreed, what the Sin against the Holy Ghost is, See Ontoruch.

SINAPISM, in Pharmacy, &c. an external Medicine, in form of a Cataplatin; compoted chiefly of Mustard-feed

"SINNPEM, in Farmusy, 15c. an external Medicine, in form and a Campfain, composed chairly of Malland-Sent in form and the Campfain, composed chairly of Malland-Sent in form and the Campfain, composed chairly of Malland-Sent in the Campfain of the Campfai

The Whole Sine, Sinus totus, is the Sine of the Quadrant HE, that is, the whole Sine is the fame with the Radius HC.
The Verfed Sine, is a Part E D of the Whole Sine or Ra-

us, intercepted between the right Sine A D, and the Arch

ÄE,

"The right time AD, being perpendicular to the Radius EC; all store draws to the fame Radius, are partillel
to each other, "Since the Arth & E; the Meatiser of the
coach other, "Since the Arth & E; the Meatiser of the
ACI; and the Quadrase HE; the Meatiser of the tright
ACI; and the Quadrase HE; the Meatiser of the tright
AGE; and Die AD; and ACI; and the IFIde State is the
Size of the right Adie, "S" Two Adject contigonars, at
ACS and ACI, have the fame Size, "a "The State of
the Third Control of the Acid State of the State of the
Third State of the Third State of the State of the
Third State of the Third State of the State of the
Third State of the Third State of the State of the
Third State of the Third State of the Third State of the
Third State of the Third State of the Third State of the
Third State of the Third State of the Third State of the
Third State of the Third State of the Third State of the
Third State of the Third State of the Third State of the
Third State of the Third State of the Third State of the
Third State of the Third State of the Third State of the
Third State of the Third State of the Third State of the
Third State of the Third State of the Third State of the
Third State of the Third State of the Third State of the
Third State of the Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the
Third State of the Third State of the to Two right Angles. 5° All Sines of Similar Arebes have the fame Ratio to their Radii. The Sing-Complement or Co-Sine, is the Sine of an Arch

AE, which is the Complement of another Arch AE, to a Quadrant. Thus the Sine of the Arch AH, is call'd the

the Size of 30° is 4000000.

## 1º The Sine AD being given to find the Sine Complement.

From the Square of the Radius AC fabtract the Square of the Sine AD: The Remainder will be the Square of the Sine-Complement AG: Whence, the Square Root being extracted, gives the Sine Complement, E. gr. Supposing A.C. 10000000, A.G. will be found 8660154, the Sine of 60°. 2º The Sing AD of the Arch AE being given; to find the Sine of the Half-Arch, or Half of AE.

Find the Chord of the Arch AE (See Choxn): for Half of this is its Size. Thus, tappofing DG and AD, as in the preceding Problem; we shall find the Size of the Arch Half AE, or the Size of 15°. = 2583190.

3° The Same DG, of the Arch DF being given; to find the Sinc DE, of the double Arch DE, Fig. 7.

Since the Angles at E and G are right Angles; and the Angle B is common to each Triangle B C G and DEB; we shall have B C: CG: BD: DE: wherefore CG being found by the Second Problem, and B D being double of DG; DE is found by the Rule of Proportion.

4° The Sines F G and D E (Fig. 8.) of the Arches F A and D A, volvefo Difference D F is greater than 45 Minutes, being given; to find any intermediate Sine, as IL.

To the Difference F D of the Arches, who is Sines are given; the Difference of the Arch I F, whole Sine is required, and the Difference of the given Sines D H; find a fourth Proportional: This added to the lefs given Sine F G; the Aggregate will be the Sine required.

5º To find the SINE of 45 Degrees.

Let H1 (Fig. 6.) be a Quadrant of the Circle 3 then will HC1 be a right Angle: conicquently the Triangle, rechangular; therefore H1 = HC1 + C1 = HC2 where fire, fine HC the whole Size, is roocooos 3 if from 3 HC1 figured, 2000000000000, be extracted the figure Root 4421364 we shall have the Cherd H1, whose Half 7971088 is the Sine of 450 required.

6° The Sing of a Minute or 60° FG, (Fig. 8.) being given; to find the Sine of one or more Seconds M.N.

Since the Arches A M and A F are very fimall; A M F may be taken for a right Line, without any fendble Error in the Decemble Tractions of the Radius wherein the Since is expected; that is, the Arches A M and A F may be taken proportional to other Chords. Wherefore, fince M N is parallel to F G; we flash have A F: F G:: A M: M N: Therefor E A F: F G and A M being given, M N: is callly

To Confirult a Canon of Sings,

ecoding each order orderly, at an interval or 45 summers, Between thele, find the intermediate Sines by the Fifth Problem: Thus will the Canon be compleat. From the Sine of an Arch given, to find the Tangent and Secant. See Tanon xx and Szcanx. To find the Logarithm of a given Sine; See Loo arthur.

To find the Loquithm of a given Size 1, Sec Loon any time. When, the Lopertine of a Size, it called an original Size. In every Timingle, the Sides are as the Size of the option of the contract of the Size of t

SINE CURRS are Recfenilited Benefices without Care of Soals, see Brassper, and Gens, No Charch, where there is but one Incambent, can properly be a Size Care. And though the Clarch being down, which was a simple consistent of the Brassper of the Size Care of the Size Care of the Brassper of Polick Day, ye the sift ill under the abad Performance of polick Day, ye the sift ill under an Osligation to do it, whenever a Charch final be built, and there are a competent Number of Inhabitants: And there are a competent Number of Inhabitants: And there are a competent Number of Inhabitants: And there are a not the found to the Preferentive, as most field Charches are, the founders in futured into the Care of Size Charches are, the founders in futured into the Care.

I Solt is not fich Benefice are tuber Depopulation than Sin-Core, and it will be proper for the row beams now to be producing, and the Laure proper for the row beams now to be produced, and the Laure pin the Charleston Staffy do.

But 3 Richary, or a Pertico of multimens shaftly do.

But 3 Richary, or a Pertico of multimens shaftly do.

But 3 Richary, or a Pertico of multimens shaftly do.

But 4 Richary, or a Pertico of the multimens of the shaftly do.

But 5 Richary, or a Pertico of the multimens of the shaftly do.

But 5 Richary, or a Pertico of the shaftly do.

But 5 Richary, or a Pertico of the shaftly do.

But 6 Richard of the shaftly do.

But 7 Richard of the shaftly do. cod or atomy? The tree instruction must not run in Garasos. Administration, but in Reliarism, five particumen Relative & A. B. Es. — By the above-mention'd Statuse 21 H. VIII, not only Trebends and Rectories, with Vestrages: endowed, but Deancries and Archdeacouries, are declared to be Benefices, without Care.

nees wimout cure.

SINE-DIS, in law, when Judgment is given againft the
Plaintift; he is then faid to be in milercordin fro failed
chamor fare. Far when for the Defendant, then it is faid,
Low tools for deay, i.e. he is distinted the Court.—The Phaste
for deay, i.e. he is distinted the Court.—The Phaste
court for the Court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phaste
court.—The Phas

bare, witten fairing the Day when it field come on Jennia and I looked upon a a genetical Distinction of the Times and I looked upon a sea genetical Distinction of the Times John William of the Lings John William of The Times John William of 
in Plain Salling. See Sallino.

18 Confirmation and Use jee under the Article Quadrant.

18 Confirmation and Use jee under the Article Quadrant.

18 Confirmation and Use jee under the Article Quadrant.

18 Confirmation on the left yill state of the left of t densegr, best.

Some derive the Word Sinifler, a Sinenda; because the Gods, Some cerve use word arminer a amenas pecasic the Lode, by fuch Augurie, permit as so proceed in our Deligar.

Sinnyers, in Heraldry. The Similar Side of an Eleutheon is the left Side. Similar chaif Vient, is the next middle Chief, on the left Side. Similar chair Prient, is exact the back Point, at the bottom of the Eleucheon. See Point;

The voice town, at the bottom of the Educathoon. See Point, Escurictings, E.C. Sinister Affect, among Aftrologers, is an Appearance of two Planets, happening according to the Succession of the Signes, as Satorn in Aries, and Mars in the fame Degree of Gaussia. See Astract.

Signs is a Stemen in Johns, and Afari in the Iman Degree of Grantel. See Avar Sect of meleon Hereticks, thus call'd, be-commended to the Hereticks, and the Section of the extra the Hereticks, and the Hereticks and the receiver any thing therecards. What is no, it a Floria, and to receive any thing therecards. What is no, it is floria, and to write the way a Superthinous Talliforms observed, that they were like-wife called Audhulbium and Nomation. See Nova 11 ans, 126. 20 has means, a wite of Afficiation, whereby, if all in the principal of the Section of the Comment of the Comments of the mitted, that two or more of them oney further the Laboration.

mitted, that two or many or morning.

See Association Natural History. See Rupple:

SINOPER, in Natural History, See Rupple:

SINOPER or SENOPER, in Heraldry, the Green Colour in Armories; thus called by the ancient Heralds, the'

Phiny and Ifeter, by Cale Trafacts, or Simple, mean a

Prafact, or Simple, mean a

Prafact, or Simple, mean a

Prafact.

brownifi. Red, fuch as that of our Ruddle. Simple figi-fies Love, Youth, Beausy, Rejoicing and Liberty, whence it is, that Letters of Grace, Abolisino, Legitimation, [8], earused to be feal'd with Green Wax. See Garans, F. Altenyfrier de-tries it from the Grosk, Prefiles holyd, Green Armotics is by corruptedly retrueching the first Syllabet, Pres; which is no new Thing among Orental Works, witters Substate for

Treffplenien.

SiNIVIOSITY, a Series of Bends and Turns in Arches, or other irregular Figures is fundiness jerting out, and feers the strength of the French Street, and the Street, and the Street, and the Street, that the Courfe of the River Adaptive Street, that the Courfe of the River Adaptive Street, and the Street, that the Courfe of the River Adaptive Street, and Model to Grown his Labyrune by Str. Laxaryans, SINUS, in Chiurquery, a fittle Bay or Stacoha, formed by the Side of a Wound, or Ulexary wherein Pari is collected to the Street Street, and the Street Street, wherein Pari is collected to the Street Street, and the Street Street, wherein Pari is collected.

Sinus's that flope downwards, Smites observes, are difficult to heal: Yet that Surgeon undertakes to cure any Sinus in a Week, by the Medicaments he describes Page 338, Sims in a Week, by the Medicaments he deferbies Fage 318, and an aggluinative Bandge. He adds, riths the never course to make an Insilion, till he finds that the Flammation of the state o

we find feveral in the feveral Parts of the Body; particularly in the Bass of the Skull, on the Offa perrola, where the An-cients imagined their Ufe was to render the Bones more light: cents imagned their Ule was to render the Bones more light; In feveral of the Joins of the Body, they ferve to receive the Apophysic of the other Bones. In the Duplica-tures of the Dura Mater, are feveral Simis's, which Delor Droke observes to be venous Channels, found for the Recoveryance of the Blood. Of thele, Four only are confiderable, wis. the Sintis Longitusinalis, which running along the middle of the convex Part of the Brain, fends out a Branch on each Side, between the Brain and Cerebellum, call'd the on catth Side, between the Brain and Gerebellum, call d the Latterd Sunvis: And the Townston Heropkili, form'd out of a Concourfe of the Latterd Simit's, and Piscal Gland. They are all form'd of the feveral Venous Branches, which return the Blood from the Brain and Cerebellum, and deli-ver their Contents into the Jugalar Veins; whereof they are, as it were, the Roon. The Coatt of their Simit's, are wer their Contents into the juginus virus; acre, as it were, the Roots. The Coats of their Sinus's, are furnified with flrong Fibres, by means whereof, they are diated by the influx of the Venal Blood, and again contracted with a reciprocal Motion, libe the Pulfe of an Artery. See DORA MATIER.

SION COLLEGE, See COLLEGE.

The Sights was the state of the

Bas Hiddin, and some other Ambors afters, that the Waters cominues to flow through the Soften, even when removed under a Receiver, and the Safe change from it. The Receiver a Receiver and the Safe change from it. The Receiver and Safe change from the Safe chang opening life offict vavy, use was a series of the Water into the left Leg, not for the Continuation of the Maters into the left Leg, not for the Continuation of the Maters in the vary possible to unlike the Water man higher than the traction of the Water man higher than the therefore, of this extraordinary, the well-known Parassemens peeds from further Disputition. This is certain, that a shipken once for a running, will perfill his int Motion, that a shipken once for a running, will perfill his will be from the removed in the most perfect Vaccuum ort Air-Yunny will make: Or, if the lower Crofice of a full Sylpus be fining, and he washe be than placed of a Receiver, with Construction. will make: Or, it the lower Ornice or a full diplose be fine; and the whole be thus placed in a Receiver, with a Contrivance for opening the Orifice when the Air is exhaufted; the Water will be all emptied out of the Veffel, as if it had been in open Air.

been in open Air.

This, soo, is creatifable comply, that the Figure of the
This, too, is creatifable comply.

This, too, is creatifable comply to the term of the
only the Orifice Cbe before the Lavel or its Surface of the
Water to be drawn ap but, fills, the further via silitaes
from it, the differ will he Fisich be carried off. And if, in
Fills of all the Lighter of the Spiker all go out at the lower
Orifice Ci. That in the Leg C B, dragging, as it were, that
profile, and that both Orifices A and C be in the fame bein
countal Line; the Find will remain pendure in cach Leg 3
how unexqual General the Leggls of the Leg may be. Fisials, the therefore, in Stekani, feem, as it were, to form one continued Body; fo that the heavier Part defounding, like a Chain,

Body; to that the incaver rare enterening, like a change palls the lighter after it. Lattly, it must be observed, that the Water will flow out, even through a Stehen that is interrupted, by having the Legs AD and FC joyned (Fig. 4.) together by a much bigger Tabe full of Air.

beiger Tale, full of Ark.

The Strine Wiramshogton, is a very certraordinary Machine of his Kindjerferousin model of the Things the common Softyhow will not strain, jiv; a thin, though the Logg he in the Spike will not strain, jiv; a thin, though the Logg he in the Spike will not strain, jiv; a thin, though the Logg he in the Spike has one of the fells Logb be only that immorph in Water through the others. The Water rities, even he'd the Agreet use of the fells Logb be only that immorph in Water the Spike has its Effect after containing dry a long time; for a sholed Day, and then sperdig, the were flower on a scieduly, Lightly, The Water rities and fulls indifferently through citter Log.—The Project of this Models, was a find by Carlotte Log.—The Project of the Models, was a find by Theories Correit Administrators of Wirenberg, by his Maile-maintain, Schötzberger, who made each Remet he Peet Copy of the Models and the Mode Prateric Cheries Administrator of Virendezio, y his Malantenia Cheries Administrator of Virendezio, y his Malantenia Cherica and Cherica Cheri

pear from its Figures, which is experienced, "The Mydrid-ISLES," ATM of Unions in Plancy, now given to the King only, as a Mark of Soveragery. In all Places and Re-quells, Entitles, Discouries (See "on the King, he is addressly many of the Mydrid of the M

Sicur and Seigneur, and applied to Barons, Gendemen and Citizens. The Sire de Joinville has wrote the Hiltory of St. Louis.

SIRUIS, in Allmounty, the Dog, Erre y very beight Size of the Bill Mills in Allmounty, the Dog, Erre y very beight Size of the Bill Mills with the Bill Mills of the Bills of the Bill Mills of

feefined their Places if they married. They are also Assenses for Parties in Suite depending in the Cornel Chemery, Upder them were femerly 60. Cirk, who, with the Under-Villed them were femerly 60. Cirk, who, with the Under-Villed them were femerly 60. Cirk, who, with the Under-Villed Chemer, who was a suite of the Cornel Chemer of the States of the Cornel Chemer of the States of the Under-Villed Chemer of the States of the Chemer uses more than the former. It has its Origin from the Rans Super-lik-primite userini, as of 5 to 3, Anciently the State had only one Reply, switch with the 1th, but no the modern Sydrem, it has feveral, at the publy the 1th public the modern Sydrem, it has feveral, at the public public the state of the sydrem, it has feveral to the public the public the state of the sydrem, it has feveral to the sydrem of the state of the when its greater or left acceleratily, to the 6 is added form Refate the row foint of Sixt's have defined, which are to both pool Concords is the state two others that are vitious and diffiants. The first it the Deffect Sixth, composed of two Thou sand three fermiones, or of Serve Samiles of the watered are greater, and two left. The Second 1 to

D. J. Rettradata Stath, composed of Four Toner, a greater Semi-Rettradata Stath, composed of Four Toner, as greater Semi-fering Four Toner. There is the forestrome, as com-prehending Four Toner. There is the four Inflamour, As no five two Conforma Stath's, they were nationally to the two Conforma Stath's, they were nationally to often as we pelast, aware do with Taller's fine Start's being in reality, no other than inverted Taint's just Care in similar states, making the Start's have considerable to the con-traction of the Start's the Care of the Care of the Care of the states, making the Start's have been supported to the con-traction of the Care of the Care of the Care of the Care of the states, making the Start's have been supported to the care of the start of the Care of the start of the Care of the start of the Care of the C

relativity, no other team mercene stantisty part Laries a tensative generative and the stantistic part of the stantistic parties of the stantistic part of the stantistic parties of the stantistic part

See BOAT.

SKIN, in Anatomy, a large thick Membrane, spread over the whole Body, serving as the external Organ of Feeling, and as a Cover and Ornament of the Parts underneath. The and as a Cover and Ornament of the Parts unsertneam. In Sking conflits of Three Parts; the external one, called the Caticle, Epistermi, or Skerf Skin. See Curicia. The middle-modif is called the Copys Resindary, because pierced through with a great Number of Holey, like a Net or Sierce. See RETIGULARE CORFUS. The innermost, called the Cutts, is a Fibrous Subflance, wore out of the Extremities of Arteries, Veins, Nerves, Tendons, &c. Whence arile abundance of little Eminences, call'd Papille Pyramidales. See Curas and Papiela.

See Course and Parille.

It is likewise for with an Infinity of Glands, called Milling Glands, each witered has it received policy, palling along the Copput Ruters, and terminating at the Carled The Papille are bird by the Moderns to be the Organ of Milling Computers, and terminating at the Carled Copput Ruters, and terminating at the Carled Copput Ruters are bird by the Moderns to be the Organ of Marter of Performance, which is legarated from the did in the Milliary Glands. See MILLIANY GLANDS, PERSON AND ASSESSED ASSE

PRATION and FRELING.
Nutrition, M. Perrauls observes, is sometimes taken in roughout the whole Body of Animals, at the Potes of the kim. The subtile Subliances of matritious Matters applied externally to those Bodies, are found to penetrate them, to mix with the Blood and Juices, and are there assimilated. On this Account, he adds, it is, that Butchers Dogs, Turnipit-Dogs, Sc. are generally very Pat, and even Butchers, Cooks, great Fart of their Food by the external Bark, not all by the Root. See Root. SKIN, in Commerce, is particularly used for this Mem-

Skin, in Commerce, is particularly sited for this Mem-bane fittipped off the Animal, to be prepared by the Tan-ser, Skinner, Cartier, Parchiment-Maker, Etc. and con-verted into Leather, Ec. See Learners in the fift Garment in The Utfe of Skin is very ancient; the fift Garment in the World being made thereof. The Memera and other Non-the World being made thereof.

thern Nations, have a long Time deels'd in Skins.

Morocco's are made of the Skins of a kind of Goats. See

Morocco.

the Heat of the Sun, the Grain of the Leather is raised up, and there hardned. See Chagein.

For the feveral Preparations of Skins; See Tanning.

For the feveral Preparations of Shirts, 50c Lanning, Coursering, Chamberson, 62c.

SKINNER, a Cup-bearer, or Beatler. See Buylle.

SKIRMISH, in War, a Combat, in Feefence of two Armics, SKIRMISH, in War, a Combat, in Feefence of two Armics, between Perform who advance from the Body for that Funding, and winds of general, regular Eight. The Word Feems form a from the Proxib\_Eigarmanche, which fig.

milies the Jame Shing, and which Novol deriver from the Greek,

2012, which signifies at the fame time, both Light Caudes after that Tinte: For in directors' Time we find it gene-sals 1912. Memory derives it from the Germen, Schremen or mily ethibiting. Some will have it to have commenced Schremen, to Force, De Leong, from Leongmannie, a light mach Naural, tectual is was be with either the Significant Schremen, of Leong and Markon, a Body of Schremen, and Markon, and the Schremen, of Leong and Schremen, and the Schremen, and Markon, and the Schremen, and the Schremen and the Schremen, and the Schremen, and the Schremen, and the Schremen and the Schremen, and the Schremen and the Schremen, and the Schremen and

in Anabah, in regard north Stirrinfers are performed by Perferois in Anabahas, S. Sec Cassival, S. Sec Arusovana, The Annee Cabor of the 58y, S. Plane Norma state bases to Vapours beginning to conduct most reflexible Ray, etc., the Voltect once y but not comply to reflex any of the left reflexible once, the Sec Retrieval to reflexible Ray, etc., the Voltect once y but not comply to reflex any of the left reflexible once, but the Ray of the left reflexible once, but the Ray of the left of the Ray of the Ray of the Ray of the Antospheric through the Regions of the Antospheric throw a white or field one, time the Art Illumined by the Sant A Mixture of Ellack and Wirst always personn Black.

This Account is not his; 'tis as old as Leonardo da Vioci.
SLAB, the Ourfide fappy Plank or Board faw'd off from
the Sides of a Timber Tree.
SLAUGHTER, See Man-sLAUGHTEA.
SLAUGHTER, See Man-sLAUGHTEA.
SLAUGHTER, See Man-slaughtea.

SLAIL, a tore cause was searchly any of fivel into the Caurry, and on that decourse effect of the first the Covering of Houles, See Covering the French Covering of Houles, See Covering the Cove

cell'd all Hopporns Stone, 1000 a 1000 a 1000 an outper or that Name, where the greateft Quantities of it are found. The Blue Slate, is a very light, lafting, and beautiful Covering but changeable within in regard the Roof mult be first Boarded over, the Slates hong on Tacks, and laid with finer Mortar than Thes. The Grey Slate is chiefly used in

finer Morats than Titles. The Grey State is chiefly uded in the Cooreing of Churches, Capacyle, Chancels, Car.

The Cooreing of Churches, Capacyle, Chancels, Gr., The Cooreing of Churches, Capacyle, Chancels, Gr., The Cooreing Churches, Capacyle, Chancels, Gr., The Cooreing Churches, Capacyle, Churches, Capacyle, Churches, Capacyle, Churches, Capacyle, C

Another Method of proving its Goodness, is, by weighing it exactly, then letting it lie 6 or 8 Hours under Water, and wiping it very clean, if it weighs more now than it did before, 'tis of that Kind that foaks in Water, and therefore and wriping it very clean, I fit weight more now than it all below, no of the kine dhe facts in Water, and thereizes below, no of the kine dhe facts in Water, and thereizes below. I will be the second of the control of the Another Richard of Trial is, by plasing a March all a Day personalization, in a verified of Water, is a no reach a com-firm and cloic, then it will not draw Water, that is, the Water will not have attended showe half as Inch above the at the Edger, the Texture whereof might be lookered by beenings four a ladd bone will have almost the Water to the at the Edger, the Texture whereof might be lookered by beenings four a ladd bone will have almost the Water to the verification of the work of the work of the Water to the verification of the work of the work of the Water to the verification of the work of the work of the Water to the Analony, when the work of the other of the Water to the Analony, that in Newel harm of the Dabots of Bramphard, Analony, that the Westerland of the Dabots of Water-land of the Water of the Water of the Water of the Analony, that the Westerland of the Dabots of Bramphard of March water of the Water of the Water of the Con-trol of the Water of the Water of the Water of March water of the Wa

Mandows of the Placeto nate Been covered over win a hand of the Placeto nate Been covered over win a that some very mandy Water, main limited man of the Beach bear less than the General Beach bear when the fine handled in Softia; and tength and the Beach bear less than the Research of the Placeto Beach Be Kind of Earth, which has buried the Fishes and Plants; or

fach as he took called their Slaves Servi, from Servar to keep, fave; as being fuch as were not killed, but faved, to yield Money either by Sale, or by their Work. Other Authors are of Opinion, that the Roman Name Servi oright come from that of Serbiz as that of Slaver from Selavi, a People. Slavery is abfolutely abolified in Eigland, and France, as to Perfonal Servitude: Our Servants are not Slaves, but only subject to certain determinate Services, The Mument a Slave steps on English Ground, he becomes

Free,
Staves make a very confiderable Article of the Traffick
in America, The English Statit-See Company have the tole
free Privilege of Enrailing the Spanish Well-Interes with Many,
by Treaty, See Nicoso. Manage and Jeffen derive the Wood
from Schottes, which is the Name of Socythan People, according to the latter, whom Charlesingue condemned to percertaing to the latter, whom Charlesingue condemned to performs. cording to the latter, whom Charlemagne condemned to per-penual Imprionment, whose the Hattants have made their Schizov, the Germanst their Shorf, and we Shory: But the former will have it the Name of a People whom the Intilizat, and other Nations, used to bey to make Drudges of; whence the proper Name of a Nasion, in Time, became the Name of a State or Condition.

Schleten, met orreitten vante-wordt, when we some? I have been and an extended to the control of 
would open exemitives a Pating.
With regard to Medicine, Aug is I defined, by Barrhares,
With regard to Medicine, Aug is I defined, by Barrhares,
With regard to Medicine, Aug is I defined, by Barrhares,
Nerves do not receive fo copono, nor fo tercitive an india
of Sodi, and that medicine is the second of Sodi, and that the second of Sodi, and the second of Sodi, may contribute to their two. —And hince its lifetiate are understood for its origin fewer in Busilions are tispereded, their opinion of two in days from the Busilions are tispereded, their plant the field Will and Filters of the Nervea are but through them, therefore there is a left Confinguition of them; about the field Will and Filters of the Nervea are but the season of the Hart, Loang, America, Vifera, Ed. is increased as not it changed any of the Nervea are but the season of the Hart, Loang, America, Vifera, Ed. is increased as no it is changed as the season of the Nervea and the Ne fiderable; the cutaneous Secretion is increased, and all the rest diminished. The Parts were off are now best supplied, as an equable, continual Repletion, restores the Humours, and repairs the Solids, the preventing and diffurbing Caufes being n at rett. In the mean Time, that the nutritions Marter then at rett. In the mean I ime, that the nutritious Matter is best prepared; street is an Aptitude in the Velfels to receive, and in the Humours to enter, and the Means of Application, and Consolidation, are as liberty: Hence, a new Production, and Accumulation, of Animal Spirits, in all the Humours, as to Matter, and in the mineutit Velfels as to Repletion: The Confequence of which is, an Aptitude for Meking, and an In-spiritude for Sleep, to that upon the first Occasion the Man awakes. See NUTRITION, &c.

Some of the more extraordinary Phanomena of Sleep, yet to be accounted for, are; That when the Head is hor, and the Feet cold, Sleep is impracticable: That furtituous and the Feet cold, Siley is impresheable: That printons Liquous fith bring on Drankenesh, than Siley? That Friezi-ration, during the Time of Siley, is twice as great as at color Times: That you of Sirey is to long, the Incal preso for the Siley of Siley is the Siley of Siley of Siley Finnencheit, as half-(polition of the Mudrics for Motion, and a wate of Frieziron. That mech Sileying will thating Life a long Time, without other Met or Diricks: That all the Mudrics, a repetant Yanning, and the Mudrics and Nerves acquire a new Agility. That Fattir's always free; Children Order, North more than grown Ferfords, and they more than old Men; and that Fourly, rifing fieldly as Health.

fectly at Health. SLIDING, in Mechanicks, called, by fome Authors, Superinosflist Radess, is, when the fame Point of a Body, moving along a Surface, deferibles a Line on that Surface: Such is the Motion of a Parallelepiped, protraded along

See GAUGING.

See GAMORIO.
"Tis ordinarily made of Box, a Foot long, an Inch broad, and fr. thick. It confilts of three Farts: A Rule, on each Side whereof ab and cd. Tab. Surveying, Fig. 17. is a Groove; and two finall Scales, or Sliding-Pieces, m, n, to

gras, that, threeling out the Eurrasce of the Norves, they flist in the Grooves. When both theft Fisces at drains not with the fisces at the flight of the first field Exerce, the Infrarent is three Foot long. With regard to Medicine, doing it defined, by Burchards to the Abellatic of the Enrich wherein the Linear Charles of the Abellatic of the Enrich wherein the Enrich Charles of Santise of Normeras. The first marked A<sub>1</sub> confitting of two Radians of Sofies, and whenevery flooring, to prefer the Charles of Sofies, and whenevery flooring to prefer the Charles of Sofies, and the Sofies of Sofies of Sofies, and the Sofies of Sof two in eith Annua; one in tesh whereof is mare? M Eg. Cobe inches in a fulls Bullet; he collected in the second with the second with a full second with a full second with a full second with a full second with the full s

4. 5.2 a. 1, 9. 8. 7. (See the Numbers being it directly against the control Redmit.) And the second of the Redmit. (A) are γ. A. Little of Numbers of one Radius, numberd q. 2, a. y. and to vo, noned by the Little D. On this are for Gene-Fins, the control by the Little D. On this are for Gene-Fins, the control of the Redmit. (A) and the control of the Redmit o

Cast Harding,
Again, on one of the nervow Silvin, noved e, are to a
James of fosters, manier'd 1, 2, 3, 55: 10, 13, each fabline of fosters, manier'd 1, 2, 3, 55: 10, 13, each fabline of fosters, manier'd 1, 2, 3, 55: 10, 13, each
hard leading to the control of the control of the
Figure of a Middle Fruttum of a Spheroid . The number'd
fosters of the control of the control of the control
Middle Fruttum of a Parabolic Spindle, white Gauger
et al., the Small Ferry of Casts if The outbod'd 5, 3,
each and the control of the control
was find the mean Disacret or a Casts of the Their Parabolic
Condition
is of Casts in the Figure of two Parabolic Condition
is of Casts in the Figure of two Parabolic Condition
of the Casts of the Casts of the Casts of the Casts
of Casts of Casts of the Casts of the Casts
of Casts of Casts of the Casts of the Casts
of Casts of Casts of the Casts of the Casts
of Casts of Casts of the Casts of the Casts
of Casts of Casts of the Casts of the Casts
of Casts of Casts of the Casts of the Casts
of Casts of Casts of the Casts of the Casts
of Casts of Casts of the Casts of the Casts
of Casts of Casts of the Casts of the Casts
of Casts of Casts of the Casts of the Casts
of Casts of Casts of Casts
of Casts of Casts of Casts
of Casts of Casts
of Casts of Casts of Casts
of Casts of Casts of Casts
of Casts of Casts
of Casts of Casts
of Casts of Casts
of Casts of Casts
of Casts of Casts
of Casts of Casts
of Casts
of Casts of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of Casts
of C

and most Their Street,

On the other nerve Ees, marked, Fan, y. A. Fore divided into roo equal Farts, marked, F.M., 20 A. Line of loades, like that before mercioned, one off M., 2 A. Line of loades, like that before mercioned, one off M., 2 A. Line of loades, like that before mercioned, one off M., 2 A. Line of loades, the contract of the load of loades, and the loades of loades loades of loades of loades of loades of loades loade

### Uje of Everard's SEIDING-RULE.

1. If untilify on Number by mather. Suppole 4 responses to the matheliad by 6. See 1 res the line of Number 6 and the matheliad by 6. See 1 res the line of Number 6 R. Den 1 results of the Number 6 R. Den 1 results of R. Den 1 res

40. To find a mean Proportional between two Numbers; Sup-pole between 50 and 72: Set 50 on C to 72 on D; then against 72 on C you have 60 on D, which is the Mean required

quired.
40. To extract the Square Ross of a Number. gs. The certified two Spitters Roof by a Number? Apply one there C and D to one another, for as to as the End of D D Line C and D to one another, for a to a the End of D a Table, flewing the Square Root of any Number left bear a Table, flewing the Square Root of any Number left bear no concome by Interpletin : For a signific any Number of the Control Root of the Number anisoring to it on D, is the Square Root of the Number anisoring to it on D, is the Square Root of the Number anisoring to it on the first Rodius, on the Line C, and the Control Root of the Number and Structure (See Table 1).

66. Eintre the Dimenter, or Cremelyons of a Grids, being given in four the state: Set in on the Line A againd 3, 11 and 12 an 60. Either the Diameter, or Circ. nference of a Circle, be-

8°. The two Diameters of an Ellipsis being given, to find the Area in Ale-Gallons: Suppose the Transverse Diameter 72 Inches, and the Conjugate 50: Set 359.05 the Square of the Gauge-point on B, to one of the Diameters (suppose

y a lacker, and the Conjugite 50; Set 1500 pt 18 Square of the Gaupe point on B; to one of the Dilmeters (Egyped of the Gaupe point on B; to one of the Dilmeters (Egyped of the Dilmeters of the

Ale-Callings in that Polygon.

19. Yo find the Cantest of a Cylinder in Ale-Gallons:
Suppose the Diameter of the Base of the Cylinder 120 Inthee, the Perposicional Height will be 5 Indexs. Set therefore the Gauge-Point (A G) to the Height, 36 on C; then
against 120, the Diameter on D, is found 1443.6, the Cantest in Ale Gallons.

13°. The Bung, and Head-Diameters, of any Cash, tage-er with its Length, being given , to find its Content in Ale, or Wine Gallons

or Wint Gallesi.

or Wint Gallesi.

All the speciment of a Sheroal which in the first Cafe or Wirterly be 40 lebbes, in Head-disancer 24 lebbes, in Head-disancer 24 lebbes, in Head-disancer 24 lebbes, and have speciment between that of the Bong, then Delicrence is 8. Look, then, for the Rong, the Delicrence is 8. Look, then, for the Role 24 lebbes, and the Role 24 lebbes of the Role 24 lebbes

5.56 Indies für the Cold's Man Dissourcers for Agentieve the Gauge-Veiler for Afte (march 4 of 5 on D, to 4 on C, and a spaint 2 9,6 on D, is 4 on T, is 4 on D, is 7 on D, is 4 on T, is 7 on D, is 4 on T, is 7 on D, is 7

S L I support yet the control of the Cash.

The the Content of the Cash.

The the Content of the Cash.

"I fire Cash a rich is the Middle Profilm of the parabolic Consider, which is the York Farrery, a significant on the Line of Inches, you will find 4-97, lecker on the Line called Yine! Farrery is added at before to 24, gives the Line called Yine! Farrery is added at before to 24, gives force, you will find the Cash will be a control of Cash.

"I fit the Cash taken be the Fantanum of row Cash, and the Cash of the Cash taken be the Fantanum of row Cash, and the Cash of the Cash taken be the Fantanum of row Cash, and the Cash of the Cash taken be the Fantanum of row Cash, and the Cash of Lines, you will find the Line mand of Pc, q at lacker to be added to 24 before i The reft, carried on a take charactery of the Cash of th 80.95 Gallons.

Name Commer Leaven in Laquer in the cut with the Signature of the Commerce of

MEASURING, &c. It confifts of two Rulers, each a Foot long, which are framed,

It consilits of two feders, each a Foot long, which are trained, or put rogether, various ways, formetimes they are made to flide by one another, like Glaziers Rules: Sometimes 4 a Groove is much ein in 68 ideo of a common two-foot /feit-Rule, and a thin Stideng-Price par in, and Cagagaba's Lines ackeded on that Stiden Stiden Bert and Cagagaba's Lines with the stident of the common common control of the cont Surveying, Fig. 18.

On the Stiring-Side of the Rule are four Lines of Num-

"No "The "Soline" Side of the Rule are four Lines of Numbers, three wherein are double, that is, are Lines to use Radiews, and one, a single broker, Line of Numbers: The West Line of Numbers: The three has a part of the side of Numbers: The three has a part of the side 
# Ufe of Coggeshal's Serving-Ruez, in Measuring Plain Susperficies.

T. To measure a Square. Suppose, E gr. the Sides be each 5 Feet: Set 1 on the Line B, to 5 on the Line A; then against 5 on the Line B, is 25 Feet; the Content of

then against 5 on the Line B, 16 25 Feet; the Content of the Square on the Line A.

2. To measure a long Square. Suppose the longest Side 18 Foot, and the shortest 10 1 Set 1 on the Line B, 10 10 on the Line A; then against 18 Foot, on the Line B, 18 180 Feet, the Contents on the Line A.

5. Th medium a Remains. Suppose the Side 12 Fees, and that compto the Side 12 Fees, and that compto the Side 12 Fees, and the side of the Side, on the Side of the Side, on the Line B, to 12, the Length of the Side, on the Line B, the Line B, the Line B, the Side of the Side of the Line B, the Side of t

Gueste of the Trinogie.

§ 1 Spie als Execute of a Circle, in Diameter being given.

§ 1 Spie als Execute of a Circle, in Diameter being given.

§ 2 Spie als Execute of a Circle in Feet.

§ 2 spie als Execute of a Circle in Feet.

§ 3 pie als Execute of a Deal or Elliffs. Suppose the Proportional between the two, by Execute Berguero, and the Circle in Feet.

§ 3 pie als Execute the two, by Execute the greater of a Circle, whose found in the Circle in Feet.

§ 4 pie also a Circle in Feet a Circle in Feet.

§ 5 pie also a Circle in Feet a Circle in Feet.

§ 6 pie also a Circle in Feet a Circle in Feet.

§ 6 pie also a Circle in Feet 
# Use of Coggethal's SLIDING-RULE, in the Measuring of Timber.

19. Yo menfore Timber the tight New, Take the Length in Feet, Ball Feet, and, if required, Quarters, Then measured the tight New York of the Conde Line; do the tight tight 
For an Instance: Suppose the Girt of a Tree, in the Middle, be 60 Inches, and the Length 30 Feet, to find the Content, set 12 on the Girt Line D, and 30 Feet on the Line C; see 12 on the Jirk Line Ly and 30 rect on the Line Cy shen againft 15, one Fourth of 60, on the Girk Line D, is 46.8 Feet; the Content on the Line C. If the Length flould be 9 Inches, and the Quarter of the Girt 35 luckes; here, as the Length is broath a Foot, meaning it on the nerc, as the Length is briesth a Foot, measure it on the Line of Foot-measure, and fee what decimal Part of a Foot it makes, which you will find 75. Set 12, therefore, on the Girt Line to 75 on the first Radius of the Line C, and againt 35 on the Girt Line is 64 Feet on C, for the Content.

Girt Line to 79 on the hirt Rations of the Line C., and Controll.

Gent Circ.

20 The mediper result Timber the true Wey. The Counter that the Control of th

a? Feet, the Content.

5° To messime taper Timber: The Length being measured in Feet, Note, one third of it; which is found thus: Set 2 on the Line A, to the Length on the Line B; then against on A, is the third Part on B: Then if the Solid be round 00 A, is the third Part on B: Then if the Solid be round, measure the Diameter at each End in Inches, and fubtract the IeB Diameter from the greater; add half the dif-ference to the lefter Diameter; the Sum is the Diameter in the middle of the Piece. Then fet 13:54 on the Girt to

the Length of the Line C, and against the Diameter in the middle, on the Citri Line, is a Fourth Nambur on the Line C. Again, at 12/44 on the Girt Line to rote third large C. Again, at 12/44 on the Girt Line to rote third large C. Again, at 12/44 on the Girt Line to the Line C. Again again is see C. D. Is 280. Feet. Again, fet 13/44, of the Girt Line C. Again again is see C. D. Is 280. Feet. Again, fet 13/44, of the Girt Line C. Again again is see C. D. Is 280. Feet. Again, fet 13/44, of the Girt Line Co. Again the Line C. Again again is see C. D. Is 280. Feet. Again, fet 13/44, of the Girt Line Co. Again the Line C. Again again is see C. D. Is 280. Feet. Again, fet 13/44, of the Girt Line E. O. again the Line C. Again again to see C. D. Is 280. Feet. Again, fet 13/44, of the Girt Line E. O. again again to see C. D. Is 281. Feet. Again, fet 13/44, of the Girt Line E. O. again again to see C. D. Is 281. Feet. Again, fet 13/44, of the Girt Line E. O. again again to see C. D. Is 281. Feet. Again, fet 13/44, of the Girt Line E. O. again again to see C. D. Is 281. Feet. Again, fet 13/44, of the Girt Line E. O. again again the Co. Again again the C. Again

a on the Curit Line (represented by 20) is 100 ferm; inter-Feet the Consens.

Feet the Consens.

If the Timberbe Spaars, and have the fanc Discussions.

If the Timberbe Spaars, and have the fanc Discussions.

If the Timberbe Spaars, and have the fanc Discussions.

If the Timberbe Spaars, and have the fanc Discussions.

If the Timberbe Spaars, and have the fanc Discussions.

If the Consense of the Consense of the Spaars of the Consense of the Consense of the Spaars of the Consense of the Spaars of the

armbates its the linkshitam of the Rindstri Hisskal who were finance in American, for the decrease Management were finance in American, for the decrease Management of the Man

End, with an array of a Spring SLIPPING (among Gardeners) is the pulling off a Spring SLIPPING (among Gardeners) is the pulling off a Spring from a Branch, or a Branch from an Arm of the Tree; and to a Sife may have its Rents double and treble Slipped, or its a SIP may have the kents double and recipe suppress, or to STAIR ranged. SLOOP, is a floating Veffel of the Shallop-kind. Sco FLOATING VESSEL. In our Navy, they are Attenders on the Men of War 3 and are dually about 60 Ton, and carry about 30 Men. Sco

NAVY.

SLOUGH, a deep and maddy Place; also the cast Skin of a Snake, the Damp of a Coal-pit, and the Star of a Would, are fo castled. The slongs of a Wild Boar is the Bed, Soil, or Mire, wherein he wallows, or in which he lies in the Daytime : Slough (in Hunting) is used for a Company of some Sorts of Wild-Beasts.

Scera of Wild-Incasts.
SLUICE, a Frushe of Timber, Stone, or other Matter,
ferving to retain and raife the Water of a River, £5c. and, on
Occasion, to let 1 pafs: Such is the Static of a Mill, which
flops and collects the Water of a Rivalet, £5c. to let is full,
at length, in the greater Pleary upon the Mill-sheel fach
also are those sign as well as the state of the Land: And fuch are the States of Handers, &c. which ferre to prevent the Waters of the Sea overflowing the lower Lands, except when there is Oceasion to drown them.

Ludah, except when there it Ocasion to down them. Sometimes there is a kind of Caul indeed between two Gaste or Shire; in artificial Navigations, to five the Water, and Caul in artificial Navigations, to five the Water, and Colorado and Colorado and the Society Cauling and Colorado and Colorado and the Society Cauling Cauling and Colorado and Colorado and the Society Cauling Caul States of Mills, &c. for as to those serving to raise Vestels. they were unknown to the Ancients,

SMACK, is a finall Veffel with but one Mast. See Mast SMACK, is a final Veffel with but one Mail. See Max-founctions, finds are employed as Trenders on a Man of War, and they are also sets for Ethinag upon the Coalis. SMALT, a knool Mineral Matter, prepared and parti-fied Abroad, and brought bither, forneitness in Form of a blue Rouder, and forneitness in Cakee; sheftly used along with Garch, no give Lineau the floor and clearer Cut; and The Preparation of Small as a possible as in Promotories.

with Starch, no give Lineau, the finer and clearer Cult; and The Perparison of Solids, as parallel and International Conference on Solids, as parallel and International Conference on the Conference on Solids, as parallel and International Conference on the Conference on Solids, and the lighter Solid washed aways, the Remander has Minral Stance, called Cache or Contains, which their the Minral Stance, called Cache or Contains, which their the Solids of the Conference on Soli

Denaution and Drillman. See Francisco Store.

The Oriental Summenga are the most in Elicem, as being
the hardeft, and their Splendor the most vigorous; to as
even to tinge the ambient Air with their Greenorfs. Great
Vitters are affirbed to the Summenga. Carda and others
fay, it refulls Plagues, Poisions and Dystenteries; that it refushers the Summen set.

the Word is form'd from the Greek, sudery 39. SMECTYMNUUS, a Term that made fome Figure in the Time of the Civil Wars, and during the Inter-regium. It was form'd of the initial Letters of the Names of Five eminent Presbyterian Ministers of that Time, viz. Stephen Marghal, Eimpud Colamy, Thomas Toung, Matthew Newcomen, and William Spurfic, who, together, wrote a Book against Epit-copacy, in the Year 1641, whence they and their Retainers, were called Smellymmant.

were cited Strelfynamients.
SMELIA, Ober, with regard to the Organ, is an Impression made on the Nofe, by little Particle continually actualing from odorous Boistie. See Norse, Eds. Smell, with regard to the Object, is the Pippers and Difference of Colorest Essens, which sticking on the Organ, caries the Seals of Smelling. See Surgarantee. With regard to the Small, Borne Surgarantee of the With regard to the Small, Borne or the Affiction in the Small residing theories. See Surgarantee of the Affiction in the Small residing theories. See Surgarantee Small Resident Small 
The Chymists teach, that Sulphur is the Principle of all

the Soal relating therefrom. See 2 state. Principle of all Soulding and the table in the colors Bedy, in more or left direct and cardiac state that the colors Bedy, in more or left direct and cardiac. Soliton and the table of the colors Bedy, in more or left direct and cardiac. Soliton to the colors and t of Viried, and Duithley after Lithilation, face a not being again unput by a more victor Fire, yields a Small like Old of Wax. 49 Several Moulls are only to be drawn ever the control of 
on J. VI. L. gain a very pleafant, aromatic Saudi. Thus inflammable Sprittor Wine, and Oil of Zhomes Virtud, maid in equal Experiment Wine, and Oil of Zhomes Virtud, maid in equal for every fingeness body. See A most finger for the property of the proper

oul, See SENSATION.

The principal Organs of Smelling, are the Noshrils, and the Offactory Nerves; the minute Ramifications of which latter are distributed throughout the whole Concave of the latter are diftributed throughout the whole Concare of its former: There Description, for earlier their proper Heads, Stadling is performed by the odorous Efficient floating, and the stadling is performed by the odorous Efficient floating in the Concare of the neuer to the common Seniory, occasion an Idea or a fweet, or feetl, or foun, or an atomatic, or a patrified Object, Sc.

The Matter in Animals, Vegetables, Politis, Sc. which chiefly affects the Senie of Smelling, Berbanes observes, is that fibrile Substance inherent in the oily Parts thereof, call'd Spirits: For that when this is taken away from the wood fragrant Realise, what committee he can be supported by the state of the sta most fragrant Bodies; what remains, has frarer any Smell at all; but this poor'd on the most finell less Bodies, gives them

all; but this pour d on use too life.

a Fragrancy. Infile of the Office.

Willis observes, That Brutes bave, generally, the Sense

Manager Perfection than Man; as by Willis observes, That Brures bave, generally, the Senie of Smelling in much greater ferfection than Man; as by this, alone, they diltinguish the Virtues and Qualities of Bodies unknown before, hane out their Food at a great Diflance, as Hosnod, and Birds of Prey, or hid among other Marters, as Dacks, 15c. Man having other means of judging

Diffance, as Hounds, and first of Prey, of the assumpt owns Mirrer, as Docks, \$55. Min having other means of judging of Mirrer, as Docks, \$55. Min having other means of judging to the present the second of the present of the second Diffance of the present of the second of the second In the Hilliper is & Amillion, we are filtered, there are Ne-groes who, by the Statelling, alone, can diffingually between the Cornièges of a Preschantum and a Negro. "In found that the Lumine, wherewish the Upper Part of the Nothila is feed, No. 2000 and the present of the Nothila is feed, No. 2000 and the present of the Nothila is feed, No. 2000 and the present of the Nothila is feed, No. 2000 and the present of the Nothila is feed, No. 2000 and the present of the Nothila is feed, No. 2000 and the present of the Nothila is feed, No. 2000 and the No. 2000 and No. 2000 a

Foot-leve of a Percentione and a Nergo. This bands that the and which first to receive the Divisitionist on the obligation and which first to receive the Divisitionist on the obligation. Never, are always longer, and folded up together in general various windings and Turnings of the Lumans, deturn and first the more of the observation Paristics. See Miss and the control of the c

fame manner. See Comer.
Smork of fat unchnous Woods, as Fir, Beech, &c. makes

SNOAR of the unchrous Woods, as Fir, Beech, ES. Blackwhat we call Lamp-black. See Black.

There are various Inventions for preventing and cuting
Smoothing Chimneys, as the Occlopies of Virtualist, the
Ventiducks of Carlon, the Windmills of Exement, the
Capitals of Strife, the little Drams of Padanaux, and Everal Artifices of de Lorme, Ste. See CHIMNEY.

In the Philippi Intel of Transfellint, we have the Description of a Bodgue intended by Transfellint, which colored a few Bodgue intended by Transfellint, which colored as Essent of Wood, and that fo really as the mild recine by Secondor discover in the Klosm, now the saled Nod fined in, though the Fire be made in the sale of the Colored Col

SMOKE Ferthings, were the pentecofilal or cultionary Ob-lations, offered by the lubabitants within any Diocefs, when they made their Proceffions to the Cathedral Church; which came by degrees into an annual, flanding Rent, called Smoke-

SMUGGLING, a Cant Term for the Running of Goods s or the ftealing them afhore without paying Cuftom. See

CHYCM.

SMUT, a Difeafe in Corn, whereby the Pulp or Meal thereof is damaged, and its natural Tatie, Colour, &c. alterd. The Soute is usually affeited by the Husbandmen to the exceffire Fames's and Ranken for the Soil, so the manuring the Land with rotten Vegetables, as Straw, Hawm and Fern;

and to the fowing finnery Seed. Mr. Bradley makes no doubt to call the Smut a Blight, on, Pressy masses no doubt to call the Smitt a Hight, and to account for it on the fame Principle as the Blights befalling other Plants, particularly Fruit Trees, erks. from innumerable little InfeCts, brought, or at leaft batch'd by the caftern Winds, which prey on and devour the native Juices of the Corn, and poissen them with a Mixture of their own.

See BLIGHT

See Billow?.

An approved Method to prevent the Sunsi, the fame Mit Britally gives us as follows: The Wheat, for Seed, to be with gest force, each time, and skimming off all the light Wheat (wimming a top. 'This done, its to be fleepf in Edgor these prepared I sind a faifledene Quantity of Waster, put as much Salt, as, when thirted about, will make an Egg first in a due to this add a much more Salt; fift the whole well, and to the Brine, put two or three pound of Alum beaten fine. In this Mixture, lay the Wheat to fleep, at leaft, thirty or forty Hours. Take it out the Night be-

as teath, thurty or forty Hours. Take it out the Night be-fore vist to be form, and dift forme flack! Line on it; this dries and first if to fowing. Note, many fleep their Wheat in Brine, yet have plenty of fauntly Gern: The Reason is, that they don't either make their blires strong enough, or don't let the Wheat flay long enough therein. This a coursen Noteion among them, also Reophing it to long tote the Grain; past the Spartence

Scotes, Egg. or by Dath Hosting in the Air, and Taken in by Indipitation, or by Pharp, Pungerin Medicines, as Cerliss and other Sternaturories, which withcast the Indipates of the case, which naturally modifices that Membrane. The Matters call forth in Saweing, come primarily from the Nofe and Threat, the primarily Membrane continually exacting a Messa whitee; and, fecondarily, from the Breast, the Traches and the Frondist of the Lenge.

Strada, in an express Treatife on Susezing, has discovered

F. Strads, in an experii Treatife on Susessing, has difeovered the Original of the Caultom of lathing thofe who faceos. He fiscosi to be a Remain of Pagansim; a tho he owns 'twas in use among the Powers. Form an Epigram in the Anthology, it appears, that among the Anthology, it appears, that among the Anthology, it appears, that among the Anthology of the Caulton, a Ferlon after Susessing, made a fluor Prayer or the God; as 200 of 26, "Fifther Jove sus.

SNOW, a Mexer found in the Middle Region of the SNOW, a Mexer of the Middle Addition of the Consecution."

Air, of Vapour raifed by the Action of the San or lub-terrancous Fire, there congeal'd, its Parts conditioned, its fpecifick Gravity increased, and thus returned to the Earth in form of little Villi or Flakes. See Markon and Vapous.

The Source we receive, may properly enough to aferibed to the Coldnels of the Atmosphere through which it falls. When the Atmosphere is warm enough to diffore the Source before it arrives at us; we call it Ram: If it prefere itielf undiffored in make what we call Source See Rais.

unantowen, is makes what we can apone. One RAIN.

The Use of Show must be very geat, if all be true
Bartholin has faid in its behalf, in an express Treatise,
de Niotis vifa medico: He there shows that it fructises the
Earth, (which, indeed, is a very old and general Opinion) prestrees from the Plague, cutes Fevers, Colicks, Tooth-Aches,

Sore-Lyes, and Reartifies (for which laft Ufe, his Country-most of Learning and the Learning Country and the Learning Country and the Learning Country and the Learning Country and Learning Country and Learning Indiance whereon the great the Learning Country and Learning Learning Country and Learning Learning Learning Country and Learning Learn

He observes, that in Norwesy, Snow-water is not only their fole Drink in the Winter; but Snow even serves for Fond; People having been known to live (everal Days, without any

other Suftenance.

other builtedance. The decided he consistent of the first of Sinow, Indeed the Centerality of the the most of the to the control of the contr This a popular Error, that the first Snow that falls in the Tay a paraticular Virtues. In Italy, they cool their Wines all the Summer with Snow-water.

Wines all the Summer with Snow-water.

Dr. Grew, in a Difcourfe of the Nature of Snow, of ferves, that many Parts thereof are of a regular Figure, f Li. Gree, in a Diffeourife of the Nature of Source, be-the most part for many intel Roserie or Star of Sar Pietra, and are priviled and reardjacent fee, as may we fee use a Pend, and the priviled many intel Roserie or Star of Sar Pietra, and are priviled many intellection of Star of Sar Pietra, and the star of Sar Order of Sar Order of Sar Order, and flower gain into irregular Cutlers, is that if Genus a irregular could wind, from the hose been thread, and flower gain into irregular Cutlers, is that if Genus a irregular flower. That it, a cloud of Vaporus being getlexed into Erroy, the fail Diops terminal defected in the star of the Sar Order of Sar Order of Sar Order, and the star of Sar Order of Sar Order of Sar Order, and the star of Sar Order of Sar Order of Sar Order of Sar Order pair Groups is colded regime, each of a rich existent as the star of Sar Order is started or the Sar Order of Sar Orde Excel of its Sarlaie, in Comparties to the Matter contained under it as Gold aidfalling to extended in order, call its all'indice upon under it as Gold aidfalling to be excelled in order, call its all'indice upon the call filterath of Air. See [e.g. and Faransino. Signost Servetti, and the Philiophical Phinofficialine, mentales on Society of the Philiophical Philiophical Callington of the fame Colors.

SNUEP, a Preparation of Tebacce, made by reducing it into a Fouche, it to be after a table. Note that the Color is not core to upon or clear the Island of Finnis. See Tenacco.

On the Color of the

Ordinantly, Tobacco is only the Histas of Mortifs other Matters being added to give it a more agreeable Scent, gic.

The kinds of Striff, and their leveral Names, are infinite; and new ones at eduly invented, for that it would be as imperiment as 'it's impossible, to give a Detail of first new We filled only 169, that there are Three grand Sorts; the Fift granulaxed; the Second in impalpable Powder; and the Third the Biano rule coarfe Tear remainingafer fifting

the Tarto Go Para or vac coare Far remaining area using the feeond Sort, Sort, forestimes hard and dry, and fosse-times fort and liquid 4, much ufed in walting, and whitening Lineas, and for various other Purpoles, by the Dyers, Per-fumers, Hatters, Fallers, & Go. Soc Dyrnos, Harr, Fur-Lino, Sc. The principal Scaps of our Manufacture, are the Soft, the Hard, and the Ball Scap. The Soft Scap, again, is either White or Green: The Process of making each kind, is as follows;

### Method of making the feveral Kinds of Sony.

fed with Lyes as it boils, until it grains, or is boiled enough then the Lyes are feparated or discharged from the tallowing Part, which Part is removed into a Tub, and the Lyes thrown away: This is called the Fift half Boil. Then the tallowing the control of the tallowing the tallowing the control of the tallowing the tal thrown away: Thus us called the Firth half Bail. Then the Copper is charged again with fresh Tallow and Lyce, and the firth half Boil put out of the Tub into the Copper a fecond Tune; where it is kept boiling with fresh Lyce and Tallow, till it comes to Perfection. It is then part out of the Copper into the fame fort of Casks as are used in Green

the Copper into the fame force of Caste as are used in Arete the Spirit of the Caste and the Caste as are the Caste spirit of the Caste and the Caste and the Caste and made Commonly build at Twice; The First, called a Bullylating, bath the fame Coperation as the first Hall-boll or loft. White: Suby. Then the Copper as charged with freelin kyes again, and the first Hall-boll in the Caste ferrit, kyes again, and the first Hall-boll in the ball, this grains, or is builded snough; then the Lye is diffcharged from it, and the Author prim to a France to cond sharden. Nivit, There is no certain Tune for branging off a Bulling of any of the 65 two of 560y. It frequency there up parts of

two Days,

two Days,

4º Sell-Seaf, commonly used in the North, is made with
Lyes from Alhes and Tallow; the Lyes are put into the
Copper, and boild 'till the watery Part is quite gone, and
there trunian nothing in the Copper but a lost of Nitrous
Matter (the very Strength or Effence of the Lye) to this Matter (tite very Strength or Effence of the Lye) to this the Tallow is put, and the Copper keep boiling and fittring for above half an Hour, in which time the Sasp' is made; and then it is put out of the Copper into Tubs or Baskets with Speets in them, and immediately (whilst loft) made

into Balls,

into Balls.

Nose, it requires near Twenty-four Hours to boil away the watery Part of the Lye.

SoArs, both dry and liquid, are held of fome Ufe in Medicine: The Liquid against Fevers; to be applied by rabbing the Soals of the Fatient's Feet therewich: And the Dry, difforted with Spirit of Wine, in the Care of cold Humours: Befides its being uted in Suppoficaries, and in the Composition of a kind of Platter, commonly called Emplast

de Sabenee.

SOAF Letth, a kind of Earth found in the Levent, and used as a Sapp. See Earth.

The Sapp Earth, Dr. Samith bellau, is only had in two Places near Drawales, title, a see Sapp, belling and thooling up on in effect, of title, a fine Sapp, boiling and thooling up on of the Earth. 'Tis gathered always before Sun-rife, and in Mornings when there falls no Dew ; fo that a Stock must be laid up

in the Summer Months, to ferve all the Year.

in the Sammer Months, to ferre all the Year.

In fame Places, it comes up an lich or two above the Surface of the Ground: But the Sun rifing on it, makes it fall again. Every Moming there recurses a fresh Crop.

SOC, in Law, a Power, Authority, or Privilege to minister Justice, and execute Laws: Also the Shire, Circuit, or Terrory wherein Jach Power is exercised by him induced with

fuch Jurifdiction. Sink juriteletion.

And hence the Law Letin Word Stees for a Seignory or Lordfinj, infranchited by the King, with Liberty of hedding a Court of his Seekmen or Scholegert, that is, his Tenants, whose Tenure is hence called Steege, See Socaoz.

This kind of Liberty fill [Idols in feveral Parts of England, and the Court of his Seekmen of Scholeger, Seekmen Se

inel, milet the Name of light or Shire. Sixes defines Shi, to the Sixel defines Shi, to the Sixel defined some solid at his mining thai in starts plentum complemationer. Right. Threshy makes mention of thefe Liberties: Soc. Sat., Soc. Yean., Jahryaly of Uffenglies, Sat Toman, by the Sixel Sixe

ment on another the teams, trained into one Prepared of a copping, from teams along. Whereas the other was pillulum Storgium, or byte Storger Inalimeth as that who have the storgium, or byte Storger Inalimeth as that who have the storgium of the storger Inalimeth as that who have the storgium of the storger Inalimeth as that who the Storger Stillulum. See Factors Evens, that Linites tells up, all the Lands in 200 gallout, which we not held by Knight's Soviete, were held in Mongri, to share it forms not Land was different Manners. For the Lands held in Nindert Service, and the Lands in the Storger Inalimeter Inalimeter Inalimeter, of the Storger Inalimeter Inalimeter Inalimeter Inalimeter, of the Storger Inalimeter Inalimeter Inalimeter Inalimeter, Storger Inalimeter Inalimeter Inalimeter Inalimeter Inalimeter Storger Inalimeter Inalimeter Inalimeter Inalimeter Inalimeter Storger Inalimeter Inalimeter Inalimeter Inalimeter Inalimeter Inalimeter Inalimeter Storger Inalimeter In

Bractor thus deferibes it, Dici paterit Socagiam a Socco & inde tenentes Sockmanni, eo quos deputati finit ui endetar tantum modo ad Culturam, & quorum Cuffedia & Maritegga

tantim mode as cutturan, O querum cugose O emericos, ad propinguieros parentes fuer largaines per les per la perturbint, Rec. Several Divitions of Scage we meet withal in Law writers, as Scage in Captur, Ele. Bar by Star. 1.2 Cer. II. all Tennes from and after the 24th of February, 1645, shall be adjudged trent idea after me 24th or privatory (1645, 11mm to eadjoined and taken for ever, to be turn'd into free and countent Surger, cocCULS, SOCCULS, in Antiquitry, a kind of high Store, reaching above the Ankke, wore by the Acless in the ancient Drams, in repreferenting of Comic Perfoss. See COMENT.
The Soccus was much lower than the Cothernus; and was

The Secret was much lower than the Cothurnus; and was the diffingulifning Wear of the Councilians; as the Cothur-nas was of the Tragedians: Hence Sorous is frequently used for Councely itself. Councely, fays M. Fenselon, much talk in an humbler Stille than Tragedy; the Sock is lower

talk in an humbler Sille than Tragedty 2 the Sock is lower than the Baskin. See Eluxus. N. SOCIETY, an Alfemblage, or Union of feveral Persons in SOCIETY, an Alfemblage, or Union of feveral Persons in the fomel'lace, for their musual Adistance, Security and Interelt. Of Societies we have a great many Kinds, diffinguished by the different Ends proposed by them: Cred Societies, Training Societies, Religious Societies, Sec.

Tradity Society, regover between Child Society Society. See Government.
Society, in Trade, is a Contract or Agreement between two or more Perfons, whereby they bind emittees together for a certain Time, and agree to fhare equally in the Profits or Loffes which that accrue in the Affairs for which the Society or Co-partnership is contracted. See Co-PARTNER

Sceiny or Co-partnerflip is contracted. See Go-parners.
We have feveral very confiderable Sceinters of this Kind;
as the Merchane Advanturers, the Turkey, Eoff India,
Mulicay, Edifland, Greenfland, Shanifo, African, State

Abligies), Jelliums, scrientums, spenige, Agricum, controva and Italijan & Pag Condrome. The Inhitations, Nolicies, 86. By the Reuset Law, the Social Control. needs no other Scientums, but the fole Confert of Parties, without any Writing at all: But among us, Articles of Copartnerflum with the Copartnerflum are required. There is no Contrals wherein Probly is more required than in Sciety; infatimeth as the Laws pronounce for the Copartnerflum.

fign to decivie.

The French dillinguith three Kinds of Mereandile Soriety and The French dillinguith three Kinds of Mereandile Soriety and The French dillinguith of Mereandile Soriety in Soriety and Soriety in Soriety and Soriet even Nobles and Men of the Robe, may contract it; and thus make their Money of Service to the Publick: And thus make their Money of Service to the Publick: And those who have no Fortune of their own to trade withal, hereby find means of establishing themselves in the World, and of making their Industry and Address serviceable. Amonymous making their Indultity and Addrefi ferricashles. Amonymusts Surfeys, it shat, where all the Members are employed, each surfeys, the star where the surfeys are the surfeys of the for Frofits, 15°c, to the reft; but without the Publick's helium against the particular Bayer, no other Name appearing against the particular Bayer, no other Name appearing to the surfeys of the surfeys of the surfeys of the surfeys and the surfeys of the surfeys of the surfeys of the particular Coresinos, and ceasing with them; as in the material Partsday, the felling any Commodity, 25°c. Of this titley delingually tare (Kullar Surfeys by Participation, which is delingually the Kullar Surfeys by Participation, which is diffinguilth four Kinds: Morely by Earnespasion, banca e-vitably form? dby Letters from one City to another, where a Merchandide is to be bought or fold. The Second is, when two or three Perlons go together to Fairs to buy Good. The Third, when two or three Perfons agree to buy up the The I bird, when two or three retrons agree to buy up use Whole of fome Commodity, in any Coantry 5 to Ell it again at their own Price. And the Fourth is, when three or four Perfons make a Journey together, to bow and fell the fame Commodity. Befide Merchants, People of Quality, St.

Perfons make a Journy togehoet, to boy and fidth the fines are admirted into the finescent control of the Control of Cont

tion. A particular Body of the moil confidentible hereoft, of S. John, Exprinciple orat Serway by their, In principle best the Express of Predestines, IS-c unthousany Control.

Language and the Section of Predestines, IS-c unthousany Control.

The Producesting Hereine See Sections, Development, and Predesting Hereine See Sections, Development, and Predesting Hereine See Sections, Included by Pagintar, in his Commons on the Fourteen Right John See Section See Sections, Included by Pagintar, in his Commons on the Fourteen Right intelled by conflict of Controllates. A Fourth, of Indiameter. See Section Sec

These are tweened order Kentrins of this kind at Mythyl.

The Mythyl of the Mythyl of

seure the piona Education of the Poor at Home, and to redish to be the real to the pion domain of the contine, and had translation the June to the Flauration, in
Liberton, Bible, Cinchiain, C. with a valuatry Mintana and the Control of the Control of the Control

The State of the Control of the Control

The State of the Control

The State of the Control

State of the Control

State of the Control

State of the Control

State of the Control

State of the Control

State of the Control

State of the Control

State of the Control

State of the Control

State of the Control

State of the Control

State of the Control

They meet seally, to concert Measures for raifing CheThey meet seally, to concert Measures for raifing Che
They meet seally, to concert Measures for raifing Che
They meet seally, to concert Measures for raifing Che
They meet seally, to concert Measures for raifing Che
They meet seally, to concert Measures for raifing Che
They meet seally, to concert Measures for raifing Che
They meet seally, to concert Measures for raifing Che
They meet seally the Che
They meet seally the Che
State of Children, who are

State of the Che
State of Children, who are

State of the Che
State of Children, who are

State of the Che
State of Ch

October 1870 Kind, are divers religious Suistites, properly thus called; first fet on foce in Landon about the Year 1675, by a few young Men, who agreed to met weekly, for Prayer, Pilainody and Ipititual Conference. They are now increase to Forry diffined Endies, who have fee up public Prayers in many Charles where it was not, procured frequent Automativation of the Sterament, and maintain Levent Conference. Subject, in one Church or another almost on every Sunday-

evening Royal Society. See Royal Society.

SOCINIANS, a late Sect of Antitrinitarians, who, in these Ages, have revived some of the Errors of Paulus Samplatenus, Photimus and Arius; whence they are also oc-casionally call'd Arieus, Photinians, Sc. tho' in many re-spects different from any of them, See Arian, Protinian,

German Ocioner, a Genelman of Gross, where they take this Name, was not the first Austro of the Scil; for he fays himfelf, in his Letter to Merris Vadast, were in regst, that he advances no Dogma but what had been pub-lified by others before him, even in Fyllonsi, e'rehe came to lettle there. The Truth is, he may be rather field to have before the public that the state of the third that are all year than the state of the third that the state of the third that the state of the third that the state of the st waled there in his liver, thus to have invented a new Syffent. In his Life, were by a Philb Knight, we read, which had not applied himself to the Souly of Theology and Diversity, and had per the greated part of his Life at the Court of the Great Duke of Thisbory. Upon his retiring there, he began nothing of Religion: and, preceding a low was with the Wirings of his Unkle Leibus Scientis he found a Syftem thereon, Leibus and replained the first Wests in the Gopel

Their Sentiments are explain'd at length, in their Cate-chifm printed feveral Times, under the Title of Cate-chefts Eccleftarum Polonicarum unum Deum Patrem illichijis Eccifqueum Pelenicerum numus Deuns Petrum illi-pique pitame Engenicum, none amus Botton Spérice ne fipera pique pitame Engenicum, none amus Botton Section ne fipera Articles. Some of them leave Sciente, as to what regards the Worling officered to Affect Chipf, not being able to con-ceive how divine Worling though be given a meer Man. Lithmenia, Trapforantia, and the neighbouring Places. Response was their chief School 3 and three all their first Books were published. But they were externisated our of Poland in 1655; fince which time they have chiefly shelter'd in Holland; where, however, their public Meetings have been probibited: But they find means to conceal them-

felves under the Name of Arminians and Analiaprifts. UNITARIAN.
SOCLE or ZOCLE, in Architecture, a flat, fquate Member under the Bafes of Redefials, of Statues, Vafes, &c. which is ferose as a Foot, or Stand. See Penerart, Stravuz, &c. The Word is French, found from the Halian Zecole, or the Letin Secure, the Shoe of the accient Actors. Firmerias

calls it Quadra A continued Socie, is a kind of continued Stand, or Pedeftal, without either Bate, or Cornice ranging round the whole Building; called by Virravius, Stereosata, and the Irench,

Building; called by Firmenin, Secretaria, and the Jernels, Subselfancer. See Syranous Ara.
SUCOME, in our Law-Books, Ed: a Callonn of griding at the Lordy Mill. There is just downer, where the Te-fredy, out of Low-to-the Lord, Secure, where they do: fredy, out of Low-to-the Lord, Secure, where they do: fredy out of Low-to-the Lord, Secure, where they do: fredy out of Low-to-the Lord, Secure, where they do: fredy out of Low-to-the Lord, Secure of the Company of the Co

By the Character of Scorares, left us by the Ancients, patricularly his Scholar Plate, Lacritus, &c. He appears to have been one of the best, and the wifest Persons in all the Heathen World.

To him is afferibed the first introducing of Moral Philoso-

phy; which is what is meant by that popular Saying, Secrates fift called Philosophy down from Heaven to Earth 5 that is, from the Contemplation of the Heavens and heavenly Bodies, he led Men to confider themselves, their own Patis-

Bedeis, he led Men to conflict reheralities, them used the composition of the composition

Aship in scallow Zunczien cowiedly. That Scientis was the Walley Zunczien cowiedly. That Scientis was Jesus, there I was executed by his fewer De-deamton against the Poets, of which Number two of the Caustion against the Poets, of which Number two of the That he corrupted the Athenian Youth, and broathed new Sperifition. He was condemned to brink Courte, by all Sperifitions, the was condemned to brink Courte, by all Capter and the Sperifition of the Sperifition of the Sperifition of the Sperifition of the Sperifit Sperific Courte of the Sperific Courte of the Sperifition of the Sperific Courte of the Sperific Cou

See BuoGERY.

The Levitical Laws adjudged those guilty of this ex-ecrable Evil to the Fire, Lev. c. 18 and 20. And the Civil Law assigns the same Punishment. Our Laws make

it Felony.

SOFA: in the Loft, is a kind of Alcove, raifed half a Foot above the Floor of a Chamber or other Apartment, and effected the Place of State, where Vittors of Difficultion are received. Among the Turks, the whole Floor of their State-Rooms is

cover'd with a kind of Tapiftry, and on the Window-fide is raifed a Soft or Sopha, laid with a kind of Matrafs, cover'd with a Tapiftry much richer than the other. On this with a Tapitry much richer than the other. On this Tapitry in Tapitry are fasted, both Men and Women, like the Taylors in England, cross-legg of, leaning against the Wall which is bolifer'd with Velver, Sattin or other Stuff snitable to the Scafon. Here they cat their Meals, only laying Skin over the Tapiftry, to ferve as a Table-cloath, and round wooden Board over all, cover'd with Plates, &c.

roard worden Barid over all, cover'd with Plates, 156.
The Embafflactor of Practice Rode and long while, and reliable to write the Grand Vulere, unleich he'd receive them described to write the Grand Vulere, and the he'd receive them SOFFITO or SOFTI, an Architecher, any Platedo et Cellong, formal of crois Benni, or Bying Cornices, the Signate Compartments or Paules's befored one incide with Barides and Vulere of Rode, in the Apartments at Anteniesen, at Petric, 166. See College, and 166. See Co

WHILL HAR-DADOR, AFTER THE MADDER OF KNOSS OF LAGUES,
SOFTYTO OF SOFE, is particularly ufed for the under Side or
Face of an Architrave; and for that of the Corona or Larmier, which the Ancients called Lacamar, and we offually,
Playeast. See Playon,

Platford. See PLAYDON.
It is enrichly with Compartiments of Rofes; and in the Deric Order has 18 Drops, dilpoted in three Ranks, Six needs, placed to the Right of the Gutte, at the Bottom of the Triglyphs. See GUTTE, DORIC, ARCHITRAYS, ESCOPT, US. See South.
SOFTENING, in Painting, the mixing and diluting of Colours with the Buth of Pecul.

Colours with the Punit of referit.

They allo lay, foften Defigns in Black and White, made with the Pen, Ed. to weaken the Teint. To foften a Fortrait, according to Felblen, is to change fome of the Stroaks, and give a greater Degree of Sweemel's and Softmid to the Air thereof, which before had founching rough and

SOIL, in Agriculture, Gardening, &c. denotes Earth or Ground confider d, with regard to the Quality of its Mould, for the Production and Growth of Vegetables. See Earth,

Mould, Vegetables, Es.
M. Bradley reduces all Sails to three Heads, viz. Sand,
Leam of Mether-Earth, and Clay. See Sand, Loam and

Grave.

Gravels and all the open Seils, till we come at Loam, are of the fandy Race; and the binding Earths, from Loam down to the Stiffnels of Chalk, may be ranged under the Clay-kind.

Logue or Mother-Earth, is the Medium between the Two. and includes all the intermediate Kinds, Each of thele Soils tends alike to Vegetation; and each

Each of these soulf tends allot to vegetation; and each has its Salts proper thereto, but in different Proportions: A Peck of Clay having twice as much Salts in it as the fame Quantity of Loam; and flower Times as much as Sand. Now, 'tis found to be the Salts or Juices of the Salt, not Elants et al. (1). The Salts in the Sarts in Clay in many Experiments of Vegetation, where Plants of Fifteen or Twenty pound Weight have been produced, there has been no fenfible Diminution in the Weight of the Earth). See

Hence, at first Sight, it night feem, that Clay were the most proper, and Sand the least proper Soil to promote the Growth of Plants; which is contarty to Experience. The Reason is, that the Parts of Clay being clofe wrough together, do not so castly give out their Salts; nor can The Reafon is, that the Parts of Clay being dold wrought roperted, do not to early give on their Salts y not can the trother Patter of many Plants make their Valy shought by digging and breaking it is no very final Precs, and should be placed by digging and breaking it is no very final Precs, and should Farts be long one by a Missaw of form fharp Sand, or other like Patters, that Anther adds, we shall fee the Efficient parts with the Patters very early, and will make them germinate a final Plants very early, and will make them germinate a fall Midon's from the Clay but as it while, this Clay for the Clay but as it while, this Clay for the Clay but as it while, the Clay for the Clay of the Clay

Heat continue.

Each Kind has its peculiar Plants, which will not grow
on the other 4 but the peculiar Plants of both the other two
will grow in Loam, as partaking equally of the Qualities of
both. Loam, then, must be allowed the best and must bene-

ficial Soil, where it can be had: And where it cannot, if. by a Mixture of other Earths, we can make a Compett to by a Mixture of other Earths, we can make a Competito in retimble it we have mere to expel from it, effectally at Plantacties of deriale Teres, thus from a Coungeling of Plantacties of deriale Teres, thus from a Coungeling of high intermentar Foods and Lidquest, though they give hairly Growth, yet make the Thing finer-lived. The Com-position of 800 fewer means, it equal Quantities of Saud and position of 800 fewer means, it equal Quantities of Saud and Goscapilly, a Mixture of 1 wo or three 50th, is kitten this say fingle 50th 2 effectively where the Int and Dry say gringle 50th 2 effectively where the Int and Dry sar mix'd with the Cold and Mosil. City laid on Sand or Greet, or Saind on Clay, in the belt Mixmer. See Ma.

But 'tis not the Nature of the Stil alone; but its Depth But '18 not the Nature' of the 35% alone; but its Depth is also to be regarded, and what 36t is underneath. For the belt 52t, if it be not above a Foot deep, and lie on a fifth Cay, or hard cold Stone, is not to fertile as a leaner 52t of greater Depth, or lying on a warm Linne-flore, Sand or Gravel, through which the fuperfluous Molffare may de-Gravel, through which the fuperfluous Molffare may defeend, and not stagnate on the Clay or Stone, to chill the Roots of Plants.

Indeed, Regard is to be had to the Climate; for even in England, cold, moift Clays are more fruitful in the South than the North,

than the North.

Some general Rules with refpect to Soils, are as follow,

2 AM Land that moulders to Duft with Frost, with all ferts
of warn Lands, black Mould, yellow Clay, (if not too wet)
and that turns Black after Rain, are good for Corn, 2 Lands
brigging forth large Trees and Weeds, Black-Thorn, Thildee, beinging forth large a rees and weeds, DRARE-ADOTE, a nauce, rank Grais, E.G., generally prove fruitful, 29 Straw-berties, Betony, Thyme, &c. give Indication to Wood, and Camo-mile to a Mould diffported for Corn. 49 All Land that binds after Frost and Rain, that turns White and full of Worms, after Froit and Rain, that turns White and full of Worms, that is extremely moift, bears Holly, Yew, Box, Broom, Heath, Mofs, 55c. is of a cold Temperature. • Black, Dun and Yellow Sand, and hor, flony Gravel, are generally unfruitful. See Garden, Orienard, Bill, Parlia-

marth, Sc.
SOIT fait comme il est desire, Be it done as 'tis defired';
a Form used when the King gives the Royal Assent to a

a Form used when the King gives the Royal Asient to a private Bill perferred in Parliament. SOKA, 3886, 388, in ancient Custams, the Privilege of Te-nants excuted from customary Impositions. See Soc. It also denotes the Territory wherein the chief Lord exercised his Liberty of keeping Coarts within his own Domains. Alfo a Quit-Rent, or Payment made to the Lord by his Tenant, for acting in Quality of a Soc-man or Freeholder.

Tenant, for alting in Quality or a Josephan or Peteronouse.

The Keep gehrers in the Sale, was selled Joke Revo.
SOL, in Made, the Mith Now of the Gamar Up, Re,
MJ, Ts, & & See, Nova and Gastrey for all Moure,
per with a little Silver mixd, equal to Twelve Desire
or receast and the anoth Part of the Livre or Found. See
The French 2nd is rande another to the Livre or Found. See
Cons. Party, Rej. Soc. Mol. The French 2nd is rande another to the Cons.
The French 2nd is rande anon Tenth Fart Ist than the
English Fount, See Cons. Party, Rej. Soc. Moliton, Shilling
Radio is milkten, when he derives it a Sole, by reached the Sun Brack coil in

the Sun freak os it.

The 68/was fritifreak on the Foot of 12 Deniers Tourneis,
whence it was also called Denesins, a Name is till retain,
the its ancient Value be changed as the 68 having here
fines augmented by Three Deniers, and strock with a
Parachano of a Elevarrei 62-75, to make it Current for 52
Deniers. Soon after, the old 568 were coin'd over again,
and both Old and New indifferently Ournet for 52
Deniers, Toury, the Value of the Laine 688 was raided to
account for 150 to 
18 Deniers. Towards the latter End of the Reign of Lamithe Fourteenth, the Sols of 18 Deniers were again lowered to 15, where they now fland.
The Datch have also two Kinds of Sols: The one of Silver. The Dutch have allo two founds of Sufs: 1 no one or surve-called \$30 st grey, and likewise \$500things. See Surversa. The other of Copper, called also Survers. See Surversa and at different Times. In the Time of the Sufse Law, the \$60 was Forty Deniers; and thus it continued till the Time of thing \$Ppin, when it was reduced to Twelves. Some bar imagined, that the French had anciently Suffer \$2ds. Soc, in A firthcycy, \$60, Supiler to Bam. 30 in Arice, \$65.

See Sun.

Son, in the Hermetical Philosophy fignifies Sulphur. See SULPHUR.

SCLEINER, in Chruitley, is Gold, thus called from at Sol, Jones, in Chruitley, is Gold, thus called from at the Influence of that Leminary. See Gran, What floudd have been the principal inducement of servaing this Metal, with 60 mech Violence to obtain from it fone medicial Virures, Dr., Johnsyn oblerves, is not selfy to be gue fid 3 unlefs it was to Keep up the Autherity of an Allederred Regard, and a feloudly, that they could not be

well in the common Opinion for Physicians, who could not do extraordinary Things in their Profession with a Metal, which had such a prodigious Instance on other Accounts. which had 'uch a prodigous Influence on other Accounts, Many, indeed, there have been, who have homelty oppoind this Artifice; but the contrary Sides have a long Time pre-vailed, and to fich a Dogree, that this Metal sitelf has not only been transformed into all the Shapes imaginable for medicinal Purpoles; but even its Name has been transferred to do Hocour to, and enhance the Price of many other worth-held Preparations, that bore any Refermblance to its finible Qualities,

Qualities,

Hence many Tinctures of a yellow Colour, are prefently
the Geldem Tincture of fomething grother,
Molt, indeed, acknowledge, that Gold in Subflance, or
reduced into the finalled Particles by the Hammer, as in
the Leef Gold, is not digetible in the Stontach, fo as to be
transmitted into the Blood, and be of any Efficacy there. transmitted into the follows, and be of any emeacy incre. But there are, neverthelels, many, who are confident of its doing extraordinary Matters, if reduced into a Powder, by Amalgamation with Mercury, and by evaporating the Mer-

cury afterwards.

cury attenwards. Zacusta Majatana, is one of the financial Pleaders on this fide the Controversy, against Majat, Pleas Miresulole and Palaceta of its Educary, unges Palaceta with the Majatana and the Majatana and the prefent Practice rejects all Pretentions to Modicine from

it.

Sor, in Heraldry, the Gold Colour in the Arms of Sovereign Princes. See Metal.

SOLAR, fomething belonging to the Sun. See Sun.

Thus we lay, Solar Fire, in contradiffinction to Culinary

See FIRE The Sonar Tear, which confifts of 365 Days, 5 Hours, 49 Minutes, in Opposition to the Issuar Tear, which only consists of 354 Days. See Year.

confile of \$42 Diyk, See Yan.

The Solar Ton, is circler Triplate, or Siderial.

Triplated Ton., is that Space of Times, wherein the Some

Triplated Ton., is that Space of Times, wherein the Some

The Marrial Year, is the Space wherein the Some comes back

to support the Solar Solar Solar Solar Solar Solar Solar

Son. as Spring, the Order and Diffusition of the Green

of their Marion, via. the Theorem, Trimany and Secondary,

and the General Solar Solar Solar Solar Solar Solar

Son. as Solar, while revolve recard the Som as the Correct

of their Marion, via. the Theorem, Trimany and Secondary,

and the General For a Scheme of the Solar Sylfron, the

STATEM. SOLAR Eclipse, is a Privation of the Light of the Sun, by the Interpolition of the opake Body of the Moon. See

SOLAR Spott, SOLAR Solde, See Store. SOLAR Month, See Monte

SOLDER, popularly called Sudder, a metallic or n Composition, acid in Soldering or joving together other Metals. Solders are made of Gold, Silver, Copper, Tin, Glad of Tin, and Lead; always otherwing, that in the Composition, there he form of the Metal to be Solder's, mix d with found higher and finer Metals.

Goldfiniths make four Kinds of Solder, viz. Solder of Eight; where, to feven Parts of Silver there is one of Brats or Copper. Solder of Six, where only a fixth Part is Copper. Solder of Four: and Solder of Three. "Tis the Mixture of

Salder of Four: and Salder of Three. This the Mixture of Copper in the Solder that makes raifed Place always occur than flat.

The Salder under by Plumbera, is made of two Pounds of Lead to one of Tin. Its Goodnet's stried by melting it, and pouring the biperst of a Crown-piece on a Table; for, if good, there will arife little, bright, filming Stars therein. See

some one arme arme, proget, primag Stars therein. See PURUREAN, or Coppers in and like that of the Plumbors, and the Copper and Tra. For very nice Works, influed of Tra, they forecitions ule a Quantity of Silvert. See Coppers. Siddler for Tin, they forecitions ule a Quantity of Silvert. See Coppers. Siddler for Tin, in made of vev Thirds of Tin, and one of Lead; but where the Work is any thing delicate, as in Organ-pipes, where the Juncture is Starte determible, it made of one Part of Tin of Grids, and there Parso of Power.

The Duke of Florence's Nail, anciently so much admired, as being half Iron and half Gold, when as those Two Metals as being hait Iron and hait Gold, when as thoir Two Metais were deemd irreconcliable; was joynd by a kind of Solder, made by Timmiller, an ingenious Chymift of Penier; The Socret whereof, was never discover diff published by Tabel-nius. The Solder is nothing but a little Copper or Cyptus Vintel put between the Gold and the Iron. For, saturally, the great Acidity of the Gold, reduces the Iron into a Scotta or Ruft, when the Two are applied immediately over one another; but this Difficulty is removed, by the Interpolition of a little Opper, be it in the finalled Quantity imaginable.

The Word is form'd from the Latin, Saldare, to iteragin-

en.

SOLDERING, or Soldering, some Mechanick, he by young and fafening together of two Pieces of the fine caction of the man caction of flow entails. Composition on the Exercision of the Mesia to be joyed. See Solovia.

He Mesia to be joyed. See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

See Solovia.

SOLDIER, a military Man, ferving a Prince in War, in onfideration of a certain Solde or daily Pay. See MILITARY. The Soldier is he who takes Pay; the Vaffal he who ferves

at his own Expenses. See Vassat and Service.

Du Cange observes, that the ancient Schiers were not to be short of Five Foot and a Half; and that this Measure was

The Word is form'd from the Italian, Soldato of the Latin Solida or Solidus, the Solde or Pay. Pafquier derives it from the old Gauliß Soal doyer. And Nicos from Solsterius. See

SOLDURII, in Antiquity, a kind of Clients or Re-tainers to the great Men in Gaul, particularly Aquitanis; mentioned by Gefar.

The Soldurii were People, who shared all the good and all the ill Fortune of their Patrons; To whom, if any Dif-aster happened, they either underwent the very same, or kill'd themfelves; and Gefar affares us, that no one had ever been known to refufe the Alternative, Lib. III. de Bel. Gal. Vigeneries takes them to have been more than common Soldiers, and even Gentlemen in Pention, or Appointment. Atheneus calls them Σονακοθράσκοντες, q. d. who die with their

Malters. DOLOSM, and Medical in Grammas, a great language rists in SOL Montary, in said 16 of the Language, and the Act of Gramma, either in reviged to Decloring, every state of Solar An After on the Resease Theoret having, made a wrong Geffune; the Audience immediately cried out he had committed a Schedip with his Hand. A blanc.

Solar extra of a retineer or piccore flooristic steep for some Configuration of the Audience and it is not the solar through the Audience Solar extra of the Audience Solar e

tum gl a ratines an peccos placetimis confit literar. Viscopia la frequently recognition of Signatulino a Mine of Latine, in frequently recognition of Mine of Latine, in Travitio of the Solutifies and Barberian Euleh particular to New Tellowers. See Baranas New Confit of the Solu-Tre. Word is Greek, ensumple, deserved, from the Soli, a The Word is Greek, ensumple, deserved, from the Soli a The Word is Greek, ensumple, deserved, from the Soli a The Word is Greek, ensumple, deserved, from the Soli a Parity of their ancient Tompse, and became ridiculous to the Abedium for their Improprieties therein. SOLLEMN, forenshing performed with much Pomp, Cer-SOLLEMN, forenshing performed with much Pomp, Cer-

SOLLEMN, fomething perform'd with much Pomp, Ceremany and Expense.

Thus we lay, Solemn Fongts, Solemn Finerals, Solemn Ganes, &C. Solemn, Finerals, Solemn Finerals, Solemn Finerals, Solemn Solemn, in Eaw, fignifies formething Authoritic, or that is cloath'd in all its Formaltitics. A Solemn Toffeness, in the Civil Eaw, is to be atteifed by feven Perfons, and feal'd with their Scals.

A Solemn Marriage, is that perform'd in one's own Parifit Church, after Publication of the Bans, and in Prefence of Witneffes.

SOLE T and Debet. See Dark T and Solet.
SOLE-Tenant, in Law, is be or the, who holds only in
holds on ber own Right, without any other Perfon joyn'd. See
TREART.

The state of the s

This Defign is obtained by the Four Syllables,  $f_{tt}$ ,  $f_{tt}$ 

If, then, thefe be applied in this Oxier,  $f_{A}$ ,  $f_{A}$ . They expect the Nitural Series from  $r_{S}$  we expect the property of the Nitural Series from  $r_{A}$  and  $r_{A}$ 

"To conceive the UK of this it is to be amounted, that the firl' Hing in tensing toffing is to make one mit? a State of Nears by Tones and Somi-tones to an Others, and defend again by the firm None, and Hing. North and Fibb., the Constant of Constant

py man exposed, they may be compared to the property of the pr

Fluid. See FLUID and FIRMNESS

For the Laws of Gravitation of Solins immerged in Fluids Specifically lighter than the Solids -The Laws of Gravitation of South immerg'd in Fluids Specifically beamer

Sec GRAYITY.

To find the Specific Gravity of SOLINS -To find the Raile of the Specific Gravity of Solins to Final.

The Laws of the Ressauce of Souths moving in Fluids - Souths moving in Fluids - South of the leaf Resistance - -

Solin, in Geometry, is a Magnitude indued with Three Dimensions; or extended in Length, Breadth and Depth.

See DIMENSION Hence, as all Bodies have these Three Dimensions, and

nothing but Bodies; Solid and Body are frequently used in-disciminately. See Bonv.

A Solid is terminated, or contained under one or more

Planes or Surfaces; as a Surface is under one or more Lines. See Surface and Line. From the Circumttances of the terminating Lines, Solids become divided into Regular and Irregular

become curvaced into Megular and Irregular.

Regular Southus, are those terminated by regular and
equal Flancs. See Ricouxan.

Under this Class come the Tetrativan, Hessaviers or Cube,
Officiarion, Dedicate drive and Reflection.

See Trinardon,
Conn. 26. each order its proper Article.

Irregular Southus, and litch as do not come under the

Regular Southus, and litch as do not come under the Definition of Regular Solicis; such are the Spiver, Cylinder, Cone, Parallelogram, Prifin, Pyramid, Parallelogipid, Sc. See Sphana, Cylindra, Cone, Sc., each under its proper

See SPREARS, OTHERS, Properties, Ratio's, Constructions, Dimensions, Sc. of the feveral Solids, Regular and Irregular, Spherical, Elliptical, Conical, Sc. See under each reflective

Cubesters or Cubing of a Solin, is the measuring of the Space comprehended under a Solid, i. c. the Solidity or Solid

Space comprehended under a Solid, i. e. the Solidity or Solid Control thereof. See Solidity three or more plain Angles.

Solid Angle, is that found by three or more plain Angles meeting in a Point: Or, more firifily, a Solid Angle, as B, (Tab. Geometry, Fig. 20.) is the Inclination of more than two lines, AB, B C, BF, which concer in the lame Point B, and are in the different Plane.

Hence, for Solid Angles to be equal, 'tis necessary they be

trained under an equal Number, of equal Planes, difposed consisted under an equal Namber, of equal rance, supposed in the fame masser, and as 30 kid Angles are only it distinguished by the Plant, and as 30 kid Angles are only distinguished by the Plant, are only diffinguished by Compretence, they are Similar and contiquently Similar Sidel Angles, are equal, if are experised to the Compretence, they are Similar. The Sum of all the Planc Rogles conflicting a Sidel Angle, is alwayed in the roll of polycobordist they would conflict the Far the Matched of Calving the feveral Kinds of Sidels Sec.

CHRATURE.

# SOLID Baftien } See \$ BASTION.

Sourn Numbers, are those which arise from the Multipli-Section Numbers, are those which saries from the following cation of a Hain Number, by any other what forcer. Thus 18 cation of a Hain Number, by any other what forcer. Thus 18 to 3 p as of 9 multiplied by 2. Sec Numbers multiplied by 3 p as of 9 multiplied by 2. Sec Numbers of Geometrically followed, but by the laserfeldion of a Grief and a Comic Sections, before a transfer of the other conic Sections, before the Carelo.

Thus, no defire an indicate this transfer on a given Right Thus, to defire an indicate this transfer on a given Right.

Ohic occurred.

Thus, to deferibe an Hofceles Triangle on a given Right
Line, whose Angle at the Base, shall be triple to that at the
Vertex, is a Sulfa Problem. See PROBLEM.

SOLIDITY, in Prysicks, a Property of Matter or Body,
whereby it excludes every other Body from the Place itself

profestic.

Salidary is a Property common to all Bodies, whether Solid or Flaid. See Borow Table Common Common Table Common Comm

See HARDNES

wheir Simstion. See HARDNESS.
The Difficulty of changing Sinstion, gives no more Siting yo the bardett Body than the (fortet); nor is a Diamed a Jor more Solid than Water. By this we difficignish the lates of the Extension of Body, from that of the Extension of Space: That on of Body, is the Commission Cohelsion of India, feparable, movesable Parts; that of Space, the Community of Londold, infeparable, immoreable Parts. See

tollar pregenting movement was a base of the control of the Cartiforn, inforgethe, immovemble Parer, the Earl'SEROM.

The Cartiforn, however, will, by all means, clocker of the Cartiforn, however, will, by all means, clocker of the Cartiforn of

PRISM, CYLINDER, &c.

The Solidity of a Pyramid or Cone, is had by multiplying either the whole Base into a Third Part of the Height; of the whole Height into a third Part of the Bafe. See Pya a-

MID and CONE.

## To find the SOLIDITY of any Irregular Bady.

Fut the Bedy in a helicu Fanallespipid, and pour West or Sand upon i, and Nest the Height of the Water a Sand Africa the Teacher, Tigs 2.5) Men, Luding out the Bedy Africa Carlo Ca

Solidity of a Statue, as it flaods; a quadrangular Prifm of

### To find the Southery of a billow Body.

If the Body he new comprised in the Number of regular Bodies; its 65day's familiar in the prevents of the Bodies; its 64day's familiar in the prevents of the Bodies; its 64day's familiar in the prevent of the Bodies; its 64day's familiar in the Casety, the State of Local Case the Salifary, familiar the bodie Body; including the Casety, then than of the Cavity, which is drappeded to have Casety familiar than the Bodies of the Casety familiar than the Bodies of the Casety familiar than the Cas required.

SOLIDITY, in Architecture, is applied both to the Con-fiftence of the Ground whereon the Foundation of a Building is laid; and to a Massive of Massory, of extraordinary Thicknets, without any Cavity within.

The Selidity of the Egyptian Pyramids is inconceivable.

See PYRAMID.

See Fyra. Main.

SOLIDS, in Anatomy, &c. all the continuous and continuous Tatts of the Body are thus call'd, in Opposition to the Fluids or the Earts contained therein. See Bony.

Of the Shifa kind, are the Bonce, Cartilages, Ligaments, Membranes, Fibers, Mulcles, Fendons, Arteries, Veins, Nerves, Glaodi, Lymphæducks and Lackrals, See Bongs, Cartilages, Lighament, Chartlages, Lohament, Ed. ouder their reflective Arteries and Lackrals.

titlets. Whether the prest Number and Appearance of Networks disk great Number and Appearance of Networks disk great Number and Appearance of Networks and Networ FIBRE.

In, effect, the whole Mass of Solids, as well as Fluids, a minute Stamen or Animalcule, only excepted, arose from a every subtile shield Colliquament, not notice the Nervous Juice 3 as is shown by Massign, in his Treatific de Our Insulato, See

The White of the Egg never nourishes, till, from its na The White of the Egg never nourines, tul, from its na-aral Thickceff, it have been brought, by locubation, through innumerable Degrees of Fluidity, to become fabilite enough to cotter the misure Veficles of the Samme or Seed. The firth, firth, tender Solids atting from this fabrile Humor path through infoliate, incurrendation Eugence, ever they arrive at their utunal Solidity. See GINERALVIOL. All the Solids thereason firth Doller(and Lang) on will like the control of the Solids of the

Fluids, out of which they artic, by their Reft, Cohefion and Figure; and a fluid Particle will become fit to form a Part of a Solid, as foon as there is a Force fufficient to effect its Cohefion with the other Solid Parts. See Nurrarron.

FART HE ADMAN, AS ISON AS INCIDENT HE APPER INTERIOR OF CHECK INTO COMMENT AND ASSESSED AS A REAL PROPERTY OF THE ASSESSED AS A REAL SOMEOUN.

PROFESS BY, that SOMEOUN IS Properly A DiffCourfe by WAY of Anfwer, to a Question that a Man has proposed to be a solution of the country of the cou

himfelf. Solitopies are become mighty common Things on the modern Stage; yet can nothing be more inartificial or more unnatural, than an Actor's making long Speeches to himfelf, to convey his Intentions, &c., to the Audience.

Where fuch Discoveries are to be made, the Poet should rather take Care to give the Dramatic Persons such Confiramer take care to give the Dirmatic Perfons fach Confiant, a may useffairly filare their insude Thoughts 3 By which means, they will be more naturally convey'd to the Audience. Yet is even this a Shift, an accurate Poet would soo the finant to have Occasion for. The Ufe and Abzie of Sillionists, is well delivered by the Duke of Buckingham, in the following Lines:

Solitoquies had need be very few, Exercisely foor, and spake in Pelfon too, Our Lever taking to themplekes, for venus Of others, make the Pit their Confident: Nor is the Matter membed yet; if hus They reyld a Priend, only to tell it at.—

SOLITARY, fomething retired, or in private; remote from the Company, or Commerce of others of the fame

Species. Species.

A Missry Corrent, is a Column that Stands alone in my police Flace; as the Trojon Column. See Corrent.

Police Flace; as the Trojon Column. See Corrent.

A Missry Woons, is a Worm Gometimes Good in the Intellines, and which is always the only one of the Kind; askeing plated in the Plyones, and extending theree, the whole Length of the Intellines; so that there is no Room for another, See Wonns,

Sont Pantes, is filled to Title of the Nam of 3. Peter of Memory, solimated in 1976, by Cartinal Burbaris, when Allentones, solimated in 1976, by the Cartinal Burbaris, when Allentones are filled to the Cartinal Burbaris, when Allentones are solimated to the Cartinal Burbaris, and the Cartinal Burbaris, and the Cartinal Burbaris, and the Cartinal Burbaris, and the Mantes and Medical Burbaris, and the Mantes and Memory and the Cartinal Burbaris, and

Bar-fosted, without Standals, gird themselves with a thick Cord, and west to Linean.

SGLITAUNILIA, in Astiquity. See SOUTHAUNILIA, and take care of Sint depending in Court of the officers, and take care of Sint depending in Court, of the court of Sint depending in Court, which mentil Servant they were 3 but now frequently safed to others, to the great Incest of Champarry and Maintenance. See Attronaux. The Champarry and Maintenance. See Attronaux.

Sozzazora Groveni, barh his Office by Taener, during the King Yeslamen, and has had anciently a Right on their Writs of Summons, to fit in the Lords Roufe to Repeat October, 10th e part of Lin Rice which, they have almost conductly been clotten little medium to the House analysing the King's Affairs, and hash Fees for Feedings be fide other Fees arising by Paener, 15c. He hash has almost the state of the Company of the Com

in all other Courts,
SOLSTICE, in Aftronomy, the Time when the Sun is
in one of the Sulfitial Points, that is, when be is at his
greated Diffance from the Equator; which is a 2 Degrees
and a Half; thus called, became he then appears to fland greated Dilisace from the Equince 4 which is at 2 Degree and a Half 3 that called bescale the term appears to find and a Half 3 that called bescale the term appears to find a sea of the s

SOLSTITIAL Column, is that paffing through the Solflitial bints. See Convan. SOLUBLE, in Medicine, Loofe, or apt to go to Stool-

SOLUCIALE, in meternit, Lopie, or apr to go to Stock College, December 1, 200 and Stock College, Colle feparated.

If this happen to a fimple, fimilar Part of the Body; 'tis called, fimply, Solutio Continui.

"the called, timply, source common.

If on a compound, or organical Part, it acquires a particolar Denamination, from the Nature of the Part, the Differerace of the Caule, or the Manner of the Application; as,
a Wound, Rushure, Frethere, Punctione, Flyinger, Cantilon,
Ulices, Carrefion, Dilacaration, Explaintine, Caries, &c. See
Women, Plannage Factories, 562.

WOUND, KUPTURE, FRACTURE, &C.
SOLUTION, in Algebra and Geometry, is the answering of a Question; or resolving any Problem proposed. See

ing or a Questions y as the Resource of the Resource of the Resource of the Poplicature of the Cube, by Right Lines, are held impossible. See QUADRATURE and Du-

SOLUTION of Continuity, in Chirurgery; See Solution SOLUTION, in Physicks, the Reduction of a Solid, or firm ody, into a fluid State, by means of fome Mentiruum. Body, into a fluid See MENSTRUUM!

Solution, is frequently confounded with what we otherwise call Disfinitions; but there is a Disfinition Society, the Society of Society, the Society of Society of Society, and the Society of Society, the Society of Society, the Society of Society of Society, the Society of S

NOCTAMBULI.
The Word is form'd from the Latin, Sommus, Sleep, and

The Word is form'd from the Latin, Sommus, Steep, and Ambula, 1 walk.
SOMNIFEROUS. See Soronspracest.
SON, a relative Term, applied to a Male Child, confider'd in the Relation he bears to his Parsons. See Fayners.
The Children of the King of Degland, are called Sour and Disappers of Degland. See Kinso. The Eldett Monis born Duke of Convent, and created Prince of Wales. See PRINCE.

PRINCE.
The younger Sons are called Cadests. See CADES.
The King of France's Children were anciently called Files,
and Files see France, Sens and Dangheter of France's and
the Grand-children, Petits Files, and Petites Files de France.
At prefent, the Daughters are called Met-danves, and the
Grand-daughters, Mes-sensofelds de France.

# Natural Son See Shatard. Aloptive Son See Shatard.

Sow of Gal, a Term wind in various Senfes, in the Holy Scripturis; 2s. 4°. For the WWs/or the Second Perfor in the Edical Tenisty who is than called, with righted the Edical Tenisty who is than called, with righted the Edical Tenisty who is than called, with right of the Edical Tenisty with the Edical Tenisty with the Edical Tenisty of the Edical Tenisty of the Original Conference of the Holy Stirft. See Taustry. The Term Saw, is applied to fines, both beform and dark the Edical Tenisty of the Edical Tenisty of 
on Earth, 16C.

24 Seven) Containes are alifa called Sans of 60 st, not a being fit by Nature and Generation; but on diverse other Account. That the Angular are called Sans of 60 st, not a called Sans of 60 st, not seen to see the second of 60 st, not seen to see the s

The Expression is very usual among the Hebrews and Chal-denni. Denits, Enskiel, and Jesus Christ, are particularly, thus called; the First once, and the Two latter, frequently, Sometimes, the Word is also steed for the Wicked and Recommertimes, the Word is also used for the Wicked and Re-probate; in contradishinction to those call'd Start of God. SONATA, in Music, a Term called by the Italians, Samutat, of Strong, Sound, as fignifying a Piece or Composi-tion of Music, wholly executed by Inframents, and which is, with regard to the feweral Kinds of Inframents, what the Contrate is, with regard by Videos. See Commercial

is, with segard to the freeze Kinda of Influences, what the Centetts is, with regard to Voices, Soc CAP 27A\* on.

The doubtes, then, is properly a gread, free, humsteen Central for the Central form of the Central form of the Central form, extremely a first of the Central form, extremely partly law of the Central form of the

he chilais fi.

We have Contant's of s, 2, 5, 4, 5, 6, 7, and even 8 Parts plant study they are performed by a lingle Violin, or with two Volins and a forceage Balls for he Interfaced, and first plant of the Parts 
they first into a britister, payer and richer Mainter. Thefe are what they properly call Soute?.

The foroid Kind comprehends to Souter & Contrary, or The foroid Kind comprehends to Souter & Contrary, or Souter & Contrary, or Souter & Green, or Ittle & Amera, Erring as an Introduction to cell the exit or Ittle & Amera, Erring as an Introduction to cell the exit of the Contrary and Contrary & Green, or Souter & Green, Green, Adments, Cheman, Pagification and other gays Aries. The whole composed in the fame Time a Macket.

SOUNC, in Proceed, and the Comprehen, confidence or South of the Contrary of the

SONG, in Poetry, a little Composition, confusing of fimple, casty, natural Verses, set to a Tune, in order to be fing. See Singing.

Each Stanza of a Song, is called a Couplet. See STANZA The Song bears a deal of Refemblance to the Madrigal; and

The Sug bears a deal of Referriblences to the Adecipal; sad more to the Ode, which is nothing bear a Sug according to the ancient Raiks. See Marrio A. and One. The Ode of the Sugal system of the Control of the Control Brook of the Control of the Control of the Adequate or a brisk and bacchie Thought, expertif di as few Woods, and the Control of the Control of the Control of the Control have devous Gogs, flayrical Gogs, and punegrical Sugg. Bas, be the Sug what it will, the Verife are to be eight entered flowing, and to contain a certain Harmony, which mether flowed the Reaction are the Ear and which usuals

Poetry and Music agreeably together.

Anciently, the only Way of preferving the Memory of great and noble Actions, was, by recording them in Sings; and in America there are still People, who keep their whole History

America there are still reopes, who are the most of the following in Sangt. So Dayth.

So so, in Music, is applied in the General, to any single Piece of Music, whether contrived for a Voice or Instrument. See Music and Composition.

Fixe of Madie, whether comprised for a Voice on instruments.

A Dieg, Mar Anderdor Golderen, spar by eccopated to an Ooston. For, as in this letter, there is a Subject, one fine Perelion or Thing the Diffeared is referred to, and which regulates all the Diffeared is referred to, and which requires all the first shorten from the which regulates all the efficiency of the property of the work of the property of th

METERS.
The Word fignifies, in Arisles, the fame with Mijns in the Helvent, that is, Stond Lens, or, as the Jove call it, Gord Lens, See Miscrate has the Sease and a summer than the Sease are called Seaseless and as summer the Jovet in the Seaseless and the Seaseless and assume the Jovet, there is a Selvi of Comities, who reject the Traditions as Isbles, invented by the Robbins pitter as allo Sections among the Multimeterant, called Striets, who reject the Traditions of the Seaseless as being only Sumder of the Seaseless as being only Sumder on the Authority of an approprial Book, and not derived on the Authority of an approprial Book, and not derived.

There is the fine Entwirt between the Seaseless and Seaseless.

to them from their Legilator.

There is the fame Emmitty between the Sumites and Sciaites, as between the rabbinith Yeur and the Caratics. The Sciaites reproach the Sumites with obtuding the Dreums of their Doctors, for the Word of God? And the Sumites, in their Turn, treat the Sciaites as Hereticks, who refule to admit the

Turn, treat the Sciairs as Hereticks, who retain to accur und divine Precepts, have corruped the Monoras, Ele. SONNET or Sussetto, in Poetry, a kind of Composition, contained in Fourteen Verfee, etc. two Stames or Meditures of four Verifescach, and two of Three : The Right first Verfes to be all in two Rhimes.

The Somest is of Halian Origin, and Perrarch is allowed to be the Father. "Tis held the most difficult and artful of all

be the Father. "To hold the most distinuit and artrud et au proteinal Compositiones, as requiring the last Accuracy and Excellent." This to end with force pretty, ingenious Thoughest. The Clofe to be particularly Escapital. In Maddwey, and force other Poets, we nece with Sometra, where the two first Sometra soot in the first Rhime, but they are held irregular; and, in effect, great Part of the Metri of their Force, conflist in a Crumpiaco Offerstancian of the

Renfers, Maltert, Mayners and Gombaut, have competed ahundance of Somets; but among two or three Thouland, there are fearce Two or Three to be much admired.

Passage 1 wo or 1 nee to be made animed.

Passage observes, that die Bellai was the First who introduced Sonners into France. But die Bellai himself siys.

That Molin de S. Gelais, first converted the Italian Species. rench.

lino French.

SOOT, son careby, volatile Matter, arriung from Work.

Coals and other Fuel, along with the Smusk, by the Addesor Fire; oe, rather, it is the Smook Hield, food and gathered on the Sidesor of the Chimmey. See Swo.a and First.

Soo, at is found an occidited Manuer for Gurn Lands, effectivily where the Soil is coal. See Manuera.

The Dyers make condernable Use of Joseph For Ishel of December 1, which is the second the Soil is the line Reuma has the Property of fiving Cloudhe and other Swiffs.

Soot of Frankinfence, is the fmalleft and finest Part of the Incense, called Obilianum, or Male Incense; burnt after the manner of Rofin to make Lamp-black.

Disferrises.

Diofestides shows how to make a Sest of Batter, which has feetal Uses in Medicine. The Stor found in the Furnaces of Glass-houses, is used by

SOPHI or SOFI, a Title or Quality given the Emperor of

SUPILI or DUE; a successful control of the force Realito, perfect, spiffs, value chemistrees, and with force Realito, of their lithirtiess Extraction; if the Ruce being Scond to once in the End, They are defended in a right line from Headlern, second Son of sin, Adabaser's Countin, and Estimated Danglern - Parce is no Prince in the World, Adabaser's Danglern - Parce is no Trince in the World State of the Party - Parce is not even limited by any Laws to State of State St Perjus. This Fower is not even timited by any Laws be himfelf can make; but he fulpends, changes, and annuls them at Pleature.

The Title is faid to have taken its Rife from a young Shepherd thus named, who attained to the Crown of Perfis in 1370. Others derive Sophi, from the Sophi's or Sages,

anciently called Mogi

anciently caucid Alogi.

Voffini gives us a different Account of the Word. Sophi, in
Anaho, he observes, fignifies Wool, and adds, That it was
applied by the Turks out of Dension to the Kings of Perfis, applied by the Tarks out of Denfinon to the Kings of Perifs, ceref lines [Blaness\*] Time, because, according to the Scheme of Religion, he is to wear no other Covering on his Head, but an ordinary, eds, would no buffs, whence the Perifant are also called Kiffilloin, q. a. Resheads. But Buckers fays, That Sypks, in the original Periform Language, Spinites One that is pure in his Religion, and who prefers the Service of God in all Things; and derives it from.

Sorr's or Sorres, a kind of Order of Religious among the Makemetans in Perfit, thus called, from a kind of coarse

Solvano et al. The charge of the content of the content which the Condet which they ware, called along from the City Soyd in Syrie, where the principally mundakured, the Canader wife in they ware present the content of the Royal Heart of Perfect was the Condet of the Royal Heart of Perfect, was the Condet or retained to the Royal Heart of Perfect, when the Condet of the Royal Heart of Perfect, was the Condet of the Royal Heart of Perfect, when the Condet of th

bors it. The more emment of those layers are called appetrac, 4.6. Keverend, SOPHISM, in Logic, a captions, fallacious Reasoning 5; or an Argument, which with foure Subtiley, carrier much Appearance of Trath 5 but little Solidity. See FALLACY. A Solidity is, properly an Argument falle at bottom, and only invested to annote and emburratis the Person to whom it is sided. See Sortiers.

is used. See SOFHIET. On Spiritival Arguments, among Logicians, are particularly lich as are not in Form, or are founded on Equivocals; as, The hore every Vieng you have not flost from you have not flost Harrat. Therefore you have Harm. SOFHIST, a Ferfor who transes SoFFHIST, as from the Carmar SoFFHIST, it is, use fibrile drayments, with design to decrive these he would be soften the soften of the control of the soften of the softe

The Term Sophift, which is now reproachful, was anciently oneurable; and carried a very innocent Idea. St. Augustus

honourable 3 and cárried a very innocent libra. St. Angolino believes, it fagiliach, fimplys, a Rhetor or Profetfor of Elegences; fisch as were Lucius, Albensens, Elbensens, George Bodies, and effect bin, Golerous Gordon, and State and State applied indifferently ro all, who excelled in any Art or Scence whether Divines, Lawyer, Pryficians, Pects, Orstons of Mclicians. But this femus to be fire-ching the Senfer of the World without all Mediatre. This politice as Rheese of the World without all Mediatre. This politice as Rheese of the World without all Mediatre. This politice as Rheese of the World without all Mediatre. of the Word without all Measure. "Tis pointble a Ruteror might have made Verfes, §5e, but that it was on account of his poetical Talent, that he was denominated \$\siphi\_{ij} \text{Talent}\_{ij}\$ to what we fee no Reason to apprehend. However, \$\subseteq \text{Moverey}\_{ij}\$ is the First who appears to have ever hore the Appellation; which the subseted \$\subseteq \text{Moverey}\_{ij}\$ and \$\subseteq \text{Moverey}\_{ij}\$ is the first who appears to have ever hore the Appellation; which the subseted \$\subseteq \text{Moverey}\_{ij}\$ is used force ever

Entit who appears to have ever bore the Appellation; which is given him by [Jecates: A Rewards, it was accare ever given, but to Philosophers and Declaimers. The Utile was in great Credit among the Latins in the XIIth Century, and in the Time of 8t. Bernard; but it began to led Ground in Greece, as early as Phinde's Time; on account of Protegors and Gregies, who made a fortid Traffic thereof, by felling Elloqueec for Monny. Hence Stance calls the

by felling Eloquence for Money. Hence Spinds caust new Spiplift Charles not Elliptical Spiplift Charles not Elliptical Catero fays, That the Third Spiplift was given to fuch as provided Falindophy with too much Ollenation, to make a Trade of fit, by running from Town to Town, to retail their decitiful Science. A Spiplif, therefore, was then, as now, a Resease, or Lupician, who makes it his Budiness to enslave and perplex Poole, by first/color Diffinations, vanish Restonsand 
O I I ing and captions Differents. Nothing has conduced more to the Interesting of the Number of Supplish, than the construction of the Number of Supplish ng S

other megal Operations, to desire and the seemploy'd.

Hence the Term is also applied to Merchandizes, and other Goods adulterated, mix'd or alter'd by the Deceit of the

Soller, as perfect to about all solvations as well as Montal, Bard (Side, Lapin Lands) and solved as Bard (Side, Lapin Lands) are shown eliable Deage, Cantry Wines are objective on the Place, before ever relay come near our Peres.

SOPORITIC, Symptoms Sopremiers a Medicine that the Committee of 
In this they all agree, That they induce a morbific Sweat.

See Coma, Se.

SORBONNE, the House or College of the Faculty of Theology, established in the University of Paris. See

Absorption Teacher and American Company of the State S COLLEGE the Houses be had in the same Place, in exchange for some others in another,

the ratio is that in the lame Falce, in exeming the following the control of the Carley and the Ref. and the Research when the West Carley of Ref. Ref. and the Research when the West Carley of the Ref. and the Ref

Some hold Survey to be properly what the Ancients call Swrilegium, or Divination by means of Surtes or Lets. See

SORTES.

My Land Coke, 3d Inft. Fid. 4d. deferibes a Surcerer, Qui
witter Sortless in cantationists Demonstras. Sorcery is Felony,
by Star, 1° Jac. In the Mirror, Surcery is faid to be a Branch
of Herefy; and by Star, 12. Cov. II, it is excepted out of the
general Fardons.

general radions.
Sourcey was a Thing formerly very common; at leaft the
Credulity of those Ages made it pais for fuch; and People
Giffred frequently for it. In a more knowing and lets believing Age, 'it out of Doors.
In circle, the noull probable Opinion is, That the feveral
glaring Inflances of Sorrery we meet withal, in our old LawBooks and Hirthrian, if will engagized into, would be found,

at Bottom, no other than artful Poifonings at Bottom, no other than arthal Polionings.
SORTES, in Rheoric, §E., a kind of Argument, wherein a Number of Propositions are gradually and minately laid together; and flomething inferred from the whole:
Whence Cierco calls it Syllegiment accreasing, a Syllegiment heaped up or accumulated.

On the Commission of the Commission of the monitoring of the commission of the c

neapen up or accumulated.

Such was that merry Way Themisfeeles used of proving,
That his little Son, under Ten Years old, commanded the
whole World; thus: My Son commands his Mother; his
Mothet me; I the Askenians; the Askenians the Greets'
B b ] Greets

Greece commands Europe: Europe the whole World: Therefore my Son commands the whole World.

Greez commands Europe's Lump's the water women a sur-form my don commands the whole revealed much among the Scoicies, effectedly with Zuon and Chryffpetts. But 'in very experient and fophillend from the Grove erely, camulos, Hern-SCHRANCES, among Furriers, is ultid to figuity the SCHRANCES, among Furriers, is ultid to figuity the Things, via. either an ill State or Halbit of a Horier's Body, arting from fome Furr diffested; or a Loopining and Gold-ter and Chrystophille and Chrystophille and Chrystophille and water the Chrystophille and Chrystophille and Chrystophille and version of Commitment threeds, conjector various Names, as various Circumstances thereof, acquires various Names, as Fracture, Wound, Ulcer, Rupture, Coronifica, Gramp, Ex-

contains.

SORTES, in Autquity, Lets, Method of Acciding doSORTES, the Autquity, Lets, and the sold first a Peticineer,
by referring the Thing to the Conduct of Chance, as in calling of Dice, drawing of Tickers, U.S. See Chansen.

The ancient Sortis or Lets, were influented by God himdress flanding and perpetual Leavy, and divers practical

Commands, preferring and regulating the UE thereof.

Thus the Scripture informs, Tillands According to the ConThus the Scripture informs, Tillands London Lets. thias, when a Successor to Judas in the Apostolate was to be

Soriii fant Cêrifii Vefen.

The Son TES Premsfine, were famous among the Greekt.
The Method of thefe, was to put an Infinity of Letters, or
even whole Words into an Urn; to shake them together, and throw them out ; and whatever should chance to be a out in the Arrangement of the Letters, &c. composed the

Anfwer of this Oracle. In what Repute foever, this Method of Divination might, anciently, have been, M. Dacier observes, That in Geero's Time its Credit was low; insomuch that none but the cre-

I'me are Levelt was low; informed that none but the cred-dulon Populse Low afecourie to it forms was introduced into In live of this, another kind of stress was introduced into I'm and the low of the low and the low of the low and another completion, or Fingli, to open the Book, and whatever first preferred idell to the Eye upon opening, was taken for the Ordinance of Heaven. This made what they call'd Sorre Himerica, and Sorre Fingline, which fac-ceded on the Use of the Sorre Propiline.

cceeded to the Use of the Surfest Presingtime.

This Superfittion path of hence into Chriftianity; and the Chriftians took their Surfes out of the Books of the Old and New Teffament. The first Paffage that it preferred, upon opening a Book of Scripture, was effected the Answer of

God himfell.

If the first Passage did not happen to be any Thing to the Purpole for which the Sorres were consulted; another Book was opened, till a Passage were met withal, that might be taken for an Answer. This was called Sorres Sometroms. St. Augustin does not disapprove of this Method of learning Futurity, provided it he not used for worldly Things; and

Gragery of Tours adds, That the Cuffom was, to lay the Bible on the Altar, and to pray the Lord, that he'd discover

what was to come to paix Inflances of the Use of the Sortes Sanstorum are very fre-quent in History. Herschitt, Mr. Fleury tells us, in his War against Course, to learn where he should take up his Winter Quarters, purified his Army for three Days, and rhen opened the Gospels, and found the Place appointed for

when opened the Grifeds, and found the Place appointed for his Witner Character, was in Alband.

In this Witner Character, was in Alband.

In the Witner Character, was in Alband.

In the Witner Character, was in Alband.

In the Witner Character, was in the Witner Sanderm was a state Canferication of Biffings to conflict the Orthe Sanderms, to harm the Sweeth, Fare, Cer. of their Epidopseus.

To harm the Sweeth, Fare, Cer. of their Epidopseus.

To have the Grifed and the Witner and the Witner and the Character of Proceedings 12 Hz Lat it off in the Biffings, and its In difficult may believe the lot, that the Lat is conducted in a particular Minter to Providence; what It is next according to Minter where the Grifed Character Witner State (1998), which of Immediate In-Minter where the Grifed Character Witner 1998, while of Immediate In-Minter where Took Character Witner 1998.

Manner wherein to Conditions with my a kind of immediate Revelation. The Surets SantTorum, however, were condemn'd by the Council of Agida in 506, at the Time they were be-ginning to take footing in Prants, &c. SORTILECE, a kind of Divination by Sortes or Less.

SOTERIA, in Antiquity, Sacrifices offered to the Gods, in Gratitude for their having delivered from Danger. See

SACRIFICE. The Term is also applied to poetical Compositions made for the fame End. Orphens is the first, who appears to have composed Sater

Our Latin Poets give the fame Name to Poems in Latin Verfe, work to give Thanks to God or the Saints, for having preferved them on any Occasion: F. Peravius being delivered from a dannerous Diciack, buthe Lawselfier. from a dangerous Difeate, by the Interceffion, as he fupposed, of St. Geneviers, composed that fine Piece in Honour of that Saint, fill extant under the Title of Severia.

The Word is form'd from the Greek, early, Sovieter.

SOU

JOVERACION, the first Being; the Supreme, or the Andrews, I Nema, another heads to the Control of the Parties o

Continues.

Soverances, who are Supreme and Independent, and hold of me Body but God and their Sword. See Kinso, Paince, 16c.

The Authority of a Supervigu is only bounded by the Laws of God, of Nature, and the fundamental Laws of the

State.

The Title is also given to such as are invested with certain Rights, which only belong to Soverogus: As the Right of Coming Money; ieading Agents to Diets, to treat of War and Peace: In which Sense, the Feedbatters of the Empire, and the Tributaries of the Grand Signor, are called Soverage.

Sourraign is also applied to Judges, who have a Power from a Prince, to decide the Processes of his Subjects without Ap. a Prince, to decide the Procedies of his Subjects without Ap-peal or in the Iall Reflort. At Paris there are five Soverage Companies; the Parliament, the Chamber of Accompts, the Coart of Aids, the Grand Council, and the Court of Monies. In England, we have but one Soveraign Court; the House of Lords.

Houke of Lords, Softit inclosed in an organia'd Body. See SPIRIT and Bonyt. Many of the ancient Philosophers affected an Assima, Manud, a South which moved and animated the Machine of the Universe, and gave Action to all natural Causes. This Doctrine, Plano handles very fully in his Tament. See

Others have given particular Shalls to all the heav Bodies, the Sun, Stars, Earth, &c. to regulate their Mo-

The Philosophers, many of them, allow of two, and others of three kinds of Souls. A Rational Soul, which they hold to be Divine, and in-fused by the Breath of God.

common with Fannis and watch, as the Fift is the trinciple of Reafon and Understanding, or that is an which thinks and malerithandly and the Scoond, the Principle of Lies County of the 
Light.

Spinofs and his Followers, allowing of only one kind of
Substance, viz. Matter, maintain the Sous to be of the fame
Substance with the Body, orz. Material. See Substan-

The Carrelians make Thought the Effence of the Stall,
The Carrelians make Thought the Effence of the Stall,
and from this Principle, deduce its Immateriality and Immortality. See Thenking,
The Carrelian Publishers of these any need to define

and from the general street, where any need to define mertality. See Tranking. But the Principle is Falfe; noe is there any need to define the cond a Suddance that thinks, to prove it Immortal. The enough, that the Soul A suddance that thinks, to prove it Immortal. The produce it to wom Thoughts, without having Thought its Efficience. This no more effectival to the Soul to Think has no such that the Soul is the Soul in the Soul in the second that the suddance that the Soul in the second that the soul in t Will: For a Thing I can conceive the Soul without, came be its Effence

De its Extence.

Again, if Thought be the Effence of the Soul; as a Teng cannot produce itielf, its own Being, or Effence; the Soul does not produce its own Thoughts, nor its own Will: And that is it brought to the Condition of Brutes, or even of inthus is it brought to the Condition of Brates, or exmostra-animate Bodies without any Action, any Liberty, 15c.

If the Cartefans only mean this of the Easily of Thinking; they do wrong even to call this the Effence of the Seed, "The no moce its Effence, than the Faculty of Willing is, And we conceive fomething in the Seed, prior to both those Facul-

tics The Soul is a spiritual Substance, proper to inform, or animate a human Body, and by its Union with this Body, to constitute a reasonable Animal or Man. This is its Effence;

and this its Definition and this its Definition.

It must be owned, the Cartefians prove the Spirituality and Inmustality of the Sead, from its Thinking, exceedingly well-but they are not to have the Humour of this Proof, as their own Invention. All the great Philiosophers under its before them, and sie's fittil. See IMMORYALITY.

The Philosophers are not at all agreed, as to the Manner wherein the Soul resides in the Body. Some hold it equally diffused throughout every Part thereof. Others fay it is

fluences, and acts on every Part of the Body, though it has its principal Refidence in fome particular Part, call'd the grafety. So SNNONY.

This principal Part, Des Cartes maintains, is the Fineal Gland of the Brain, where all the Neares terminate, 55.

See PINEAL Gland.

See Pissaa Cilond.

Borry, a Northern Phylician, in a Letter to Barrholin, afferts, That in the Brain is found a certain, very fibbile, freggant Juice, which is the principal Seat or Refidence of the resionable Soul; and adda, That the Subtilty and Finencia of the Soul, depends on the Temperament of this Liquor. Teacher than on the Structure of the Brain, to which it is usually

rather than on the Structure of the Brain, to which 'ris ufustly agribed. This Liquor, we conceive, mut be the fame with what we usually call the Nervoss Juice, or Animal Spirist, The Confishation whereof, is, doublefie, of great Impurtance, with regard to the Faculties of the Swal. See Sylarv. Mr. Leek diffinguishes Two principal Paculties for Powers of the variousd or human Swal, vice, Perceptions and Willing.

See Powsa.

To thefe, other Philosophers add others; as Snifation,
Liberry, Mousey, Insignation and Habit. See Unutareasonism, Winz, Snickativas, Landarry, 650. Paris in
the Statis. The Upper-par, which compelends the UnderRading and the Will, and the injury Part, which comprehends Insignation and Senfation. Thus, fly they,
"pile Drijf was largey on the Cofi in its apper-Paris, which
compelends that bowe Paris." The Insert Paris old not comtained in the Jones Paris. The Insert Paris old not comtone to the Compelence of the Conference of Radinder, Paris

see the Upper to the Lower, in Face or Radinder, Paris

see the Upper to the Lower, in Face or Radinder, Paris mandate to the Opper, entire its Proposes or its Famings, see the Upper to the Lower, its Peace or Beatiside. From this Dilithnition, the Quietifis take in hand to maintain, That whatever paffes contrary to good Marsls, in the lower Part of the Soul, is not contrary to the Purity of the upper Part, inafinned as the Will has no Share therem.

Fart, mafmach at the Will has no Share therein.

As to the Smid of Brutes, the Carrefiant, and fome others, deany its Existence, in the common Scofe of the Word Smid; that is, they fittip off all the Properties or Faculties of the Human Smid: And the Perphasticks, on the contrary, invest it with the greatest Part of them.

In Man, a particular Agitation of the Fibres of the Brain is accompanied with a Senfation of Heat; and a certain Flux of animal Spirits towards the Heatt, and Vifeera, is followed

by Love or Hatred,
Now the Peripacticles maintain, That the Brutes feel the
fame Heat and the lame Paffions, on the fame Occasions:
That they have the fame Averifion for what incommodes
them, and, in the general, are capable of all the Paffions, and
all the Senfations we feel.

all the Senfations we teel.

The Carrefgaint deny they have any Perceptions or Notices
at all z that they feel any Pain or Pleafare; or lowe or hate
any thing. The Ground of their Opinion is, That they
allow of nothing in Brutes, but what is material, and that
they deny Senfations and Paffinn, to be any Properties of Matter. Some of the Peripateticks, on the other hand, maintain Matter, when fubtilized, framed, ranged and moved in a certain Manner, to be capable of Senfation and Paffion; that Beatls may feel and perceive, by means of the animal Spirits, which are a Matter thus modified, and that the burnan Saul itself, only becomes capable of Senfation and

on, by means thereof. ramon, by means thereof.

But we mid how it very difficult, to reconcile the Idea we have of Matter, with that we have of Thought; to conceive that Matter figured in any manner, whether in a Square, a Sphere, or an Oral, fhould be Pleasine, Pain, Heat, Colour or Smell; to conceive that Matter, however, a glisted, whether in a Circle, a Spiral, Parabola or Ellipfa, fhould be Lowe, Harted on Joy.

Love, Harred or Joy.
The Ministrates of the contrary Opinion, urge that Appearance of Senife, of Feat, Castion, Love for their Toung, of their Special Castion, and their Special Castion of their Special willibe through the whole Brate Creation. And 'tis rune, all the Actions of Bealts plantly experience of their special cast of stem ulphates, whatever oritation in R Secu is 70mm first the young Planus knitting from Space to Space, to Hrengthen it; to puring forth Prickles, Ge, to defend it, Ge, mark a great Understanding. All the Motions of Planus and Boates plainly differen an Intelligence but the Intelligence does nat refule in the Matter thereof: The sad diffind from the Bealt or

If the MARKET INSPICE I S MAINTER FOOD IS BEEN OF PLANT, AS IS THAN WHICH FAMPING THE PROPERTY IS MAINTEN FOR THE MARCH THE FOR, IN CHECK, this Intelligence appears infinitely Great, infinitely Wife, infinitely Powerful, and the fance which form'd us in our Mother's Womb, which gives our Growth,

Thus, in Brutes, there is not either Understanding or Soal, in the Sense we generally use the Word: They cat without Pleasure, cry without Pain, grow without knowing it. They fear nothing; know nothing; and if they act is fuch manner, as shows Understanding; 'ess because Goo

having made them, to preferve them, has formed their Bodies, fo as to avoid whatever might hurt them, mechan-

nically.

Otherwife, it might be faid, That there is more Underflanding in the vileft Infect, nay, in the fmalleft Grain, than
in the most knowing of Men; for its evident, either of them
contains more Farts, and produces more regular Morious and
Akthons, than we are capable of underflanding. Thut does the great F. Mallebranch, argue against the Souls of Brutes.

the great P. Addidriands, arone against the Suite of Berner. Reserved: the Mericy Rev. 6, 1961, 1962, is excited in them by their mirual Collinos, and Perentiina against each other, which produces that tremalous Morion, to oblevable in Bodies, that have a clear Stand, as Bells, minical Chords, &c. Thirdly, That this Morion is com-municated to, or produces a like Motion in the Alt, or fisch Parts of it, as are apt to receive and propagate; is justimed as no Motion of Bodies, at a Dritance, can affect our Sentie when the standard of the Bodies, which receive those Motions from the Body, and communicate them immediately to the Organ. Lattly, That this Motion must be commu-nicated to those Parts, that are the proper and immediate

incated to those rarts, that are the proper and immediate Influments of Hearing. Further, That Motion of a fonorous Body, which is the immediate Caufe of Seard, may be owing to two different Caufes; either the Percuffico between it and other hard Bodies, as in Drums, Bells, Chords, &c. or the beating and dashing of the sonorous Body and the Air, immediately against each other, as in Wind Instruments, as Flutes,

againtí each other, as in Wind Inframents, as Flutes, Trampets, tgc.

But in both Cafes, the Motion, which is the Confequence of the mutual Action, and the Immediate of the fonorous Motion which the Air conveys to the Ear; is an invisible, tremulous or undulating Motion in the finall and infenfible Parts of the Body.

To explain this; all fensible Bodies are supposed to consist of a Number of small and insensible Parts or Corpuscles, which are of the same Nature in all Bodies, perfectly hard

which are of the finne Nature in all Endies, perfeigly hard and incompressible. See Gon various. Emerging protests, but fill intensible and their differents, according to the different regimes and Utolon of their component Patts. Their, again, conditions other Marile bigger and more different than the regimes and Utolon of their component Patts. Their, again, conditions other Marile bigger and more different than the thought of their conditions of the condition of their condi-tions of their composel, that are witible, touchable, the The first and simulated Fatts, we have observed, are abbildantly than the condition of the condition of the condition of the perfect of the perfect of the condition of the condition of the state of the condition of the condition of the condition of the state of the condition of the condition of the condition of the state of the condition of the condition of the condition of the state of the condition of the condition of the condition of the state of the condition of the condition of the condition of the state of the condition of the condition of the condition of the state of the condition of the condition of the condition of the condition of the state of the condition of the state of the condition of the condition of the condition of the condition of the state of the condition of t

The first and masses steam where Emeral's field numeric has being comperfed by an exercual largelf, they have re-lated by the steam of the steam of the steam of the steam claffic or refrintive Power, whereby they exhaus chemistres to nother named Sam. See Exercise, 1969, your notice, the final Particles, by their claffic Principle, more to not again with a very grat Voderly, in a remindous, undestang Almore, formwhat like the willbe Moteinson graffic Springs; a And this is what we may call the Sources Adent, which is fapped when on their Particle next the finality, which is fapped on which the steam of the whole on their Particle next the finality, which is fapped on the Barticle of the steam of the steam of the steam of the whole of their Particle next the finality, which is fapped on each the Surface, communicate with the Air. The Grafford next the Surface, communicate with the Air. The Grafford on the whole, or of the generate Particles gos interior concerned. the whole, or of the greater Parts, being no further concerned,

than as they contribute to the other.

To apply this Theory; ftrike a Bell with any hard Body, To apply this Theory fifthe a Bell with any hard Body, and you cally precive a familike Trance in the Surface, freeding ited over the whole; and that more famility, as the Shock is granter. Upon towling it in any other Fars, the Shock is granter, Dyon towling it in any other Fars, the Shock is granter of the Shock is granter. On the Shock is granter of the Shock i

finitely little Lines.
Mr. Perrauls adds, That this visible Motion of the Parts. Mr. Perrants adds, I has this withte moone or the carry, contributes no otherwise to Sand, than as it causes the invisible Motion of the finaller Para, which be calls Particles, to diffinguish them from the fentible ones, which he call Partis, and from the finaller of all, which we call Carpussian. SOU

This he fuppors from the Inflance of a Chord, which being threef, and the Shord, fame, if their Lengths and Bores be the fame ; there is very little fenfible Difference in their Sounds.

The fonorous Body having made its Imprefilen on the cantiguous Air, that Imprefilen is propagated, from one Particle to another, according to the Laws of Pneumaticks. Particle to mother, according to the Laws of Paramaticka.

A few Particle, for inflance, driven from the Surface of
the Body, drive the neighbouring Particles into a lefs Space; a
dit the Medium, at it is thus ratified in one Flace, becomes
condended in the other: But the Air thus compreted in the
fectod Place, in by in Editlicity, returned back again, both
to its former Flace, and its former State; and the Air,
consignous to thai, is compreted a and the life obtain, when the

Air lefs compress'd expanding itself, a new Compression is generated. From each Agitation of the Air, therefore, there arises a Motion of the Air, analogous to the Motion of a Wave on the Surface of Water; which we call a Wave or Undulation of Air. See Undulation.

In each Ware, the Particles go and return back again

through very fhort, but equal Spaces; the Motion of each Particle is analogous to the Motion of a vibrating Pendulum, while it performs two Ofcillations; and most of the Laws of the Pendu lum, with very little Alteration, are applicable there-Sec PENDULUM.

Sounds are as various, as are the Means that concur to their Production.

The principal Varieties are reducible to the Figure, The principal Varieties are reducible to the Figure, Camitume, Quantity, &c. of the forecours Bedy, the Manner of Perculliars, with the Velocity, &c., of the Vibrations compared to the Velocity, &c., of the Vibrations compared to the Disposition, Dillance, &c. of the Cypus; the Oblistica between the Organ and the fonerous Object, and the adjusted Bedies: The most notable Dislinicions of Stoord, and the adjusted from the various Degrees and Combinations of the Condition of the C into grave and scate (or fliarp and flat, or high and low) and into low and flat. The Management whereof, makes

and into feet and four. The Management whereof, makes
the Office of Music. See Sown in Music.
The Velocity of Sound is the face, with that of the Waves,
which does not differ much, whether it go with the Wind or against it. By the Wind, indeed, a certain Quantity of Air is carried from one Place to another; and the Sound is accelerared, while its Waves move through that Part of the Air, if their Direction be the fame as that of the Wind. But as It mere Direction be the fame as that of the Wind. But as Stands moves well/fewfirer than Wind, the Acceleration it will hereby receive, is inconfiderable. In effect, the most violent Winds we know of, have their Colerity to that of Spand, only as 1 to 333, and all the Effect we can perceive from the Wind, is that it increases and diminishes the Space of the Waves 36 that the Shand may be heard to a greater Diffarce than otherwise it would.

That the Air is the ordinary Medium of Sound, appears from various Experiments, in ratified and condensed Air. In an exhausted Receiver, a small Bell may be heard some Distance; but when exhausted, it can fearce be heard at the smallest Distance. If the Air be condensed, the Sound will be louder, proportionably to the Condensation, or Quan-tity of Air crouded in: Of which we have many Inflances tity of Air crouded in: Of which we have many instances in Mr. Hankither's Experiments; and this does not only faceed in forced Marefallions, Eff. but in fich alfo, as are Natural; as is evident from Predicting's Story of his Journey

Natural, 2 as is evident from Producin's Story of his Journey to the Top of Mount Corposition in Huggary.

But this not the Air alone, that is capable of the Imprefileos of Sound's but Water alio: as is manifed, by firthing a Bell under Water, the Stored of which may plainly enough be heard, only not fo load, and alio a Fourth deeper, by the Ear of Some good Judges in musical Notes. Indeed Morfemer Ear or some good judges in munical Notes. Indeed Merfemer fays, a Sound made under Water, is of the fame Tone or Note, as if made in Air, and heard under Water. The Velocity of Sound is variously reported by various

Authora

Authors, Sir Hade Newton makes its Progrefs, in a Second of Time, to be 968 Feet 4 the Honourable Mr. Famois Roberts 1500 Peet 4 M. 2964 1200 Feet 5 M. 2964 1200 Feet Hist. Acad. Reg. 1172. The Reason of which Variety, Mr. Derham ascribes partly to those Gentlemen using Strings

and Plummers instead of regular Pendulums; partly to there not being Dithance enough between the sonorous Body and be Place of Observation; and partly, to there being no Regard had to the Winds,

Regard hast to the Winds.

Some of the noil confiderable Queries, relating to the
Laws of Stands, the fame Author propules; and antiverterval of them accurately, from Experiments made for thus
Parpole by himself, as follows;
How far a Sand moves in a Second of Time t Sandmove than a Sand moves in a Second, which is just an EnglisDilie in 94 or 923 half Seconds, via validation in 42; these

Mile in 94 or 9.35 half Seconds 3 two Mile in 12 \$\frac{1}{2}\$ the Mile in

Do the Winds affect the Motion of Sounds? By repeated Lo the winds attect the Motion of Stamas? By repeated Experiments, it appears, there is forme, though a very final Difference in the Velocity of Stamas, with or against the Wind; which is also augmented, or diminished, by the Strength or Weakness of the Wind.

Do a great and intense for the wind.

Do a great and intense formed, and a finall or languid one, more with the fame Velocity? It appears that they do,

Does the Sound of a Gun move equally fwift at all Elevations of the Gun? They do,

Do different Quantities or Strengths of Gun-powder, oc-asion any Difference, as to the Velocity of the Sound?

Does Sented unove in a right Line, the nearest Way; or does it sweep along the Earth's Surface? And is there any Difference in the Time, if the Fiece be distanged in an ac-citive and a declive Position? Stand moves the nearest Way; clive and a declive Position? Sound moves the negrest Way; and the Velocity appears to be the same in Acclivities and Declivities.

Have all kinds of Swads, as those of Guns, Bells, &c the fame Velocity? And are Sounds equally swift in the Beginning of their Motion, and in the End? There appears no Inequality in either of these respects.

For the Refullion of SOUND, See ECCHO.

Sowns, in Music, the Quality and Diffinition of the feveral Agustions of the Art, confiderd as their Difficience, Measure, Get. may make Music. See Messure, See may make Music. See Messure, Sie may see that the Art of applying Simulsi, under fach Groumlances of Toze and Tuce, as to raile agreable Sensings.

The principal Affection of Sumul, whereby it becomes fined to have this foad; a stank whereby it is diffininguished into have this foad; a stank whereby it is diffininguished into have this foad; a stank whereby it is diffininguished into the last foad; See Graverry, ISC.

Body, the particular Figure and Quantity thereof; and even, in some Cases, on the Part of the Body where it is struck; d is that which conflitutes what we call different Ton

See I (38).

The Case of this Difference appears to be no other than The Case of this Difference appears to be no other than the different Velocities of the Vibrations of the fooming Both, no effect, the Teore of a Standy, is found, by abundance of Experiment, to depend on the Nature at those Vibrations, who of the Vibrations of the American was can conceive no otherwist, than as it will be a supported to the contract of the American Charles of the American Vibrations of the fame Chord, are all performed in equa-time; and that the Tone of a Stund, which continues for fome Time after the Stroak, is the fame from first to Islat It follows, that the Tone is necessfully concelled with a co-tain Quantity of Time in making each Vibration, or cash Wave, or that a certain Namber of Vibration, or Wave, accomplished in a given Time, conditate a certain and de-

terminate Tone, From this Principle, are all the Phanomena of Tune de-duced. See Tune.

duced. See Tuxi.
From the fame Frinciple, artic what we call Concrols, \$5^{\*\*}, which are nothing but the Refelse of frequent Unions and De-incidences of the Vibertiene of revelociouse Blosies, and we conclude the result of the Reference Concrols and Participation of the Medical Conference of the Reference Conference Conference of the Reference Conference Co not with regard to the fonctous Body's retaining a Motorial once received, a longer or a lefs Time, though gradually growing weaker; but to the Continuation of the lauguste of the efficient Cause of the fonctous Body, for a slogger of forcer Time, as in the Notes of a Viola, Sc which are

Quicknets,
This Continuity, is, properly, a Succeffion of feveral Stands,
or the Effect of feveral diffinit Strokes, or repeated Impulfes
un the foncous Bedy, 6 quick, that we judge it one continued
stands of effectably if it be continued in the fame degree of
Strength: And bence arifes the Doctrine of Measfare and Time.

See TIME.

See Three.

Smooth, again, are diffinguished, with regard to Mafic, into Smooth, again, are diffinguished, with regard to Mafic, into Smooth and Comptoned; and that two Ways:

In the First, a Smooth field to be Comptoned, when a Number of Smoother Visitations of the Smoother Body and the Air, come for fair upon the Eight, that we judge them the Sime come for fair upon the Eight, that we judge them the Sime continued Smoother is the Finencement of the Crick of Fire, the Crick of Fire, the Crick of Fire, the Crick of Fire, the Crick we receive of it there, constitues till the Immedium is in rowshow that affects the Crick of the Crick, the Idea we receive of it there, constitues till the Immedium is in rowshow to find the Crick.

of the Creft, the bles we receive of it there, continues till the imperficult is reasonable by fatcher letters, in the continue of the continu

and Artificial conc.

The numeral Composition, is there proceeding from the maniThe numeral Composition of the first free is subjective. Bother, where
the Reflections are use for failable, as to exceide Rechte's last are
all in the finar Trace with the fifth Nov. See R. Rason Acet,
for any all in the finar Trace with the fifth Nov. See R. Rason Acet,
fediam Pervince, is, that Missens of fiveral Committee with the less
free manned by Artin, the production. Sometime through and diffragation.

Note the most production of the composition of feveral

acet called Single Sometime is committed intelligent to the Composition
ones, wherein, to under the find of Norde, the Singles multinumeral Composition of the Composition of the Composition
ones, wherein, to under the find of Norde, the Singles multinumeral Composition of the Eart may receive the Missaux with

and Gravity, as that the Ear may receive the Mixture with Pleafure. See Composition. Pleatier. See LOWFORITION.
Another Diffinction of Sounds, with regard to Mufic, is
that, whereby they are fixed to be found to make every, or reage
and Lowfe, allo clear and Lowfe, is the Caule of which Diffirences, depends on the Diffinition and State of the fonerous
Body, or the Circumstances of the Place; but the Ideas of

Body, or the Careanataless of the Place; put the laters or the Differences must be fought from Observation. Smooth and rough Sainas' depend, principally, on the founding Body; Of these we have a notable instance in Strings that are uneven, and not of the same Dimension or Constitu-

tion throughout.

tion broughout.

M. Permitti, account for Resignific and Conscionfi,
M. Permitti, a too think pass when the Count for this think the Count of the time to the Ching a long the text the Count of the Great Permitting the County of the Great Permitting the County of the Great Permitting, there is always their a perfect billion and this County, as way their a perfect billion and this County of all the Zonsia, as way their a perfect billion and county of the County

of the fame Effect.

prove each other, and units, for the noise effectively producing of the flare REIGH.

of flare REIGH.

of the flare REIGH.

of the flare REIGH.

which differs in Tone, according to the Part 'is it fruck in a many or in the reason of a flare Reight of the reason of the Reight of the Reight of Rei

made longer or florter, by Strokes of different Longth or unjous other Bodies; which, for this Residua, have no continued and diffired Tone; but a Composition of Several Tones, which don't unite and mix, fo as to have one predominum,

which door turne and mus, to as to have one predomanus, to specify the total Tones.

As to clear and benefit formed, they depend on Greamflances that are accidental to the fonerous Body: Thus a Voice or Influences will be hollow and hourle, if mided within an Effect in only to the total the second of it. The Effect is only to be the view of the and different Sometic, and the second of the total to the second of the sec the primitive Sound

the primitive Storad.

For Stand to the list to election the End of Music, they ought to be found and clear, effectively the first is since without this, because the contrast and discussible Tows, explain the supervised that the contrast was contrast and discussible Tows, explain the supervised that the supervised supervised that the supervised supervised that the supervised supervised that the supervised supervised supervised that the supervised supervi HARMONY.

HARMONY.

SOUND, in Geography, a Streight, or Inlet of the Sea, between two Capes or Head-lands. See Synright.

The Word is particularly ufed, by way of Eminence, for that famous Streight, which joins the German Sea to the

It is fituate between the Island of Zeland and the Cosft of Schoner. This about further Leagues long, and generally five broad, excepting against the Castle of Conventioning, where 'tis but one : So that there is no Passing for Veslels, but under the Canano of the Fortrest.

the Cannoof the forereft.

This has given cooffies to the Direct to first's 2 Toil on all Tolks has given cooffies to the Direct to first's 2 Toil on all Tolks, which is one of the both Revenues of the Cown of Tolks, which are two other fines into the Ballist's though themewhat left commodious than the feature. It is the the Ballist's though themewhat left commodious than the feature. It is the Ballist's though themewhat left commodious than the feature. It is the Tourist of East, which is the Tourist of East, when the Tourist of East of the Commodities of the Tourist of East, when the Tourist of East of the Tourist of East, when the Tourist of East of Eas

on its upper Fail. This wind cuest facin by variety, which popen by prefling upon the Stops or Keys, after drawing the Registers, which prevent the Air from geing into any of the other Fipes, but those 'its required in.

Organs, whose longest blind Fipes are four Foot, have their

Saind-Board from five to fix Feet. Organs of 16 Feet have two Sasud-Boards, which communicate the Wind from one to

the other, by a Pewter Port-vene.

SOUNDING, in Navigation, the trying of the Depth of the Water, and the Quality of the Bottom, by a Line and

the Water, and the Quilliy of the Bostom, by a Life and Planman, or other Paril: Line acceptantly wild in Summing. The single the Summing Line and the simple Set Line. The single, the thicked and Bornel; as not exceedings of the Set at the Summing Line and the simple Set Line. The Summing Line may be used to the Set Line. The Summing Line may be used when the Single is under Set, line from the Set Line and Set Line Set Line Set Line is under Set, in form of a Nice-Line and Set Line Set Line Set Line is under Set, in form of a Nice-Line, and weights a Pounds; the Endle is frequently preside, to try whether the Grand be Sandy or Rocky, ES. Norte Elanks, Stores, Get, they are Summing

continually.

Dr. Hook has invented a manner of Setuading the Depth of the deepelf Sea, without any Line; only by a wooden Globs, lighter than Water, to which, at a little Diffance is a piece of Lead of Stone fixed, by means of a furninging Wire in the First, fitted into a Steple in the Second. The whole being let gently intending a despite in the decount. In the whole being let genup (down, with the Stone or Lead foremult, a Bloon as that arrives at the Boron, it will flop; but the Ball, by the Imperus it has sequired in defectuality, will be carried a little lower after the Weight in floppid; by which means the Sprinning Wire will be inabled to it by back, and difingaging ittelf, will re-

By observing, then, the Time of the Ball's flay under Water by a Watch or Pendulum, and the Help of some Tables; the Depth of the Sea is found.

the Depth of the Sea is bound.

In from Experiments made in the Tkames with a maple
Globe, 9,4½ Inches in Diameter, and weighing 4 Found and
a Half, lined with Pitch; and a conical Weight 11 inches
long, the flarp End downwards; at the Depth of 19 Fee,
there paffed fix Seconds; and at the Depth of 19 Fee,
conds between the Immertion and Emerican of the Ball. From thefe Numbers given, the Depths, at any other flays, may be computed by the Rule of Three.

SOUP, a kind of Potage made of Bread, and Broth or Cc 1

the Juice of Flesh, or other Matters; usually served at the bethe Juice of Fielb., or other Matters 3 utually ferred at the be-ginning of a Mo. 1.

Song's in effected effectial to a French Meal. Occasionally, they improve the Relifib by the Addition of Onlone or Leaks, or Cabbage or Turnips, 26c. The Word is French, formd from the Italian, 22php or Sofgho, of the Latin, 36pt, Wine boild away to a Turior Park. Others derive it from German, Sungly or the Calific, Sunden, which inglift the feare forman, 1 or the Calific, Sunden, which inglift the feare

Thing. SOURCE. See SPRING.

SOWING. See SEMINATION and SEMBRADOR SOWING. See SEMENATION and SEMBRADOR.
SOWNE, a Term used in the Exception; feeding to be a
Corruption from the French Spreedul; that is, remembred.
For the Statute, 4 H. 5. c. 7, in the Original French, hath
Dist Effects treats Surveyar. And fiche Effects and Cafelities, as are not to be remembred, run not in Demand, that is, are see are not to be remembered, run nor in account, that is, are not Leviable. So now in the Exchequer, they fay, fuch Effreats, as the Sheriff by his Industry comme get, are Effreats that Spread, are fuch as he may See ESTREAT.

SPACE, a timple Idea. The Modes, whereof, are Diftance, Capacity, Extention, Duration, &c. See Mode, Extension,

SPACE, in Philosophy, confidered barely in Length between any two Bodies; is the fame Idea which we have of Diffance. See Distrance. Twen any two Diltance. See Distance.

If it be confidered in Length, Breidth and Thickness, it is properly called Capacity. See Capacity.

When confidered between the Extremities of Matter, which When confidered between the Extremities of Matter, which the Capacity with formething Solid, Tangible

When contidered between the Extremities of Matter, which fills the Capterity of Space, with founching Solid, Tangible and Moreable, it is then called Extrassion. So that Ex-tention is an Idea belonging to Body only 1 but 3pace, it is plain, may be confidered without it. See Bonv. 3pace, therefore, in the general Signification, is the fame thing with Diffrance, confidered every Way, whether there be seen Gold Matter in it or now.

folid Matter in it or not

Accordingly, Space, is either Abfoliuse or Relative.
Abfoliuse Space, is that confidered in its own Nature,

Applicate Space, is trate consucrete in its own Nature, wifa-out regard to any thing External; which always remains the fame; and is infinite and immoveable. Dimension, or Measure of the former, which our Senses define by its Positions to Bodies within it; and this the Vulgar atte for immoveable

Space.

Retirive Speen, in Magnitude and Figure, is always the finem with Abidoust, but it is not excellent if floatile to finem with Abidoust, but it is not excellent if floatile to fine the speed of the speed of the speed of the speed in the speed of the speed of the speed of the speed in Piner. But, fuspools the Ship under Sail, or in Motion in Piner. But, fuspools the Ship under Sail, or in Motion government of the speed Speed Sail all Things on Board, condificated relatively, in rejiect to the Ship, may be, notwithfunding, in the fame Placon, or have the fame Simution and Politico, in regard to Relative Space, in Magnitude and Figure, is always the one another.

Proper and absolute Motion, is defined to be the Applic tion of a Body to different Parts of Abjuste, that is, of infinite and immoveable Space. See Place, Morion and Resy. and immoneable objects. See PLACE, MOTIONS MARKENT, The Carressions, who make Execution the Efficience of Master, affert, That the Space any Body takes up, is the fame thing with the Body itself; and that there is no faith Thing as mere Space, void of all Master, in the Univerle; But this fee differenced under the Article Vaccous of any Figure 5 or that which fails the Intervisio or Difficunce between the Lines that

terminate it. See Anna and Freune.

The Parabelie Space, is that included in the whole Parabela.

See PARADOLA The Combeidal Space, and the Ciffoidal Space, are what are included within the Cavity of the Conchoid and Ciffoid. By the new Methods now introduced, of applying Algebra to Geometry, its demonstrated, That the Concluded and Coffoidal Spaces, though infinitely extended, are yet finite Magnitudes. See Concurrence and Cassorn.

Space, in Mechanicks, the Line a movemble Body, con-fider'd as a Point, is conceived to deferibe by its Motion. See

SPHENOPHARYNGEUS, in Anatomy, a Pair of Muscles, called also Prorpopharyngeus, Cophalopharyngeus, Ele. See Pterygopharyngeus.

SPAGYRIC, an Epithet given to Chymiftry; which is called the Spagyric Art, or Medicine Spagyrics; and to Chymical Physicians, who are also called Spagyrifts. See Chymical Physicians, who are also called Spagyrifts.

Notified derives the Word from the Greek, one-re-position derives, congregate to collect; which are the two prin-cipal Offices of Chymilis. Paracelfus first introduced the Word.

SPAHI, a Horse-man in the Ottoman Army, chiefly raised in Affar.

The chief Strength of the Grand Signor's Atmy coeffits in the Janifaries, who are the Foot, and the Spatis's, who are the Horfe. See Janusary, 15c.

The Aga or Commander of the Spatis's, is also called Spatis

SPALT, or SPELT, a white, fealy, flining Store, fee, quently after to promote the Fusion of Metals. The found pretty frequently in Digitars and Germany; and functions brought from the Lewist. The best is in long Scales, very folt, and castly palveried. The English Space is generally were hard. very hard.

SPAN, a Meafure taken from the Space between the Thumb's End, and the Top of the little Finger, when both are firetch'd out. The Span is elimated at three Hands breadth's, or nine Inches. See Measura.

SPANISH, or the SPANISH Language. See LANGUAGE

SPANISH-Fifei See CANTHARIDES,
SPANISH-Engliftien, &c. See Inquistrion.
SPAR, in Natural Hiltory, a fining, flony Subfisce,
frequently found in Caves and Grotto, in the Clefts of Rocks,

Lead-Mines, Sc. See Stones, Grovro, Sc.
Mr. Besument, in the Philosophical Translations, endervours to account for the Origin and Growth of Spar; which he makes to be a kind of Rock Plant.

Spar, he observes, may be form'd three Ways 4 either from Spar, he observes, may be sorm a tarte ways; either from Steams alone, or from Steams congaliting Dew, as it fallien the Ground, or Waters iffuing from the Joints of Rocks: Or, it may grow from Earths and Clays. To fay portling of the Account we have from Switzerland, eight That Stoov, by long lying and continual Frosts, becomes hardened inso

Sper, We have Inflances of the first Kind in many Grotto's where Spers produced from Steams, hang libe Icieles; Lead the being often tuned to grow in the fiame Manner. And as this Sper grows downwards; 10 in many Places, from the Side of 11, 18the little Plants of Sper, shooting upwards, century to the Tendency of the others. An Inflance of the Second, we have in a certain Place in Italy, where Cryshals (which are a fort of Sassa) are produced in clear Evenings, from a Ca-agulation of Dew falling on Nitrous Stones. But hereof we aguation or Lew laining on Nitrous Stotes. In the never we have Inflances cough neutre Home. See STALACTITE For the third Kind of Generation of Spars, never before taken Notice of by Naturalities, Mr. Zenemont gives us Inflances of it in Mouthly Hills, and other Mines, wherein see Subtertaneous Vasuity Hills, and other Mines, wherein see

Sourcessees Valle or Levelon. In the portions of time of the fig. is deem incumbent thereon. From this Earth, theore is the first the contract of it, till it is come as high as a Man's Finger, the beggl is regular Ridges and Farrows; and fonce finore, finne likes, begin on the Tops to be congoled into Japer, and fo guizeling at Cauti downwards by degrees, are all at lift, mural 1000 and 
SPARADRAP, in Pharmacy, &c. an socient Name for a Sear-cloth, or Core-cloth; or a Cloth fineard on exhibite with a kind of Painter, Sec Capa-cloth.

The prepared by melting a fulficient Quantity of four Philiter or Ungount; and dippling a linear Cloth therein, all fach time as it have imbibed its fill. This then taken on, cool'd and polish'd on a Marble.

There are as many different Kinds of Sparadrap, as there are of Plaisters for the Cloth to be dipp'd in. "Tis fometimes alfo called Tela Gualteriana.

atto culted veta Guateriana.

SPARRING, among Cock-fighters, is the fighting a Cock with another to breath him. In farring, they put Hors on their Spars, that they may not hart one another. To farr the Cock, imports in general, to breathe him, to embolden him to

Fight. Mor SPASMUS, in Medicine, a Greek Tem, SPASMUS, in Medicine, a Greek Tem, seragus, of equal Import with the Latin, Countly, and the English, Countly, Countly, Countly, Countly, Countly, Countly, Countly, Countly, Country, 
A Spafinas happening after the taking of Hellebur, or ny other violent Purgative, is mortal. There are Spafinas peculiar to certain Members, and diffinguished by particular Names: That of the Mouth is called Spafinus Cynicus; that of the Penis, Satyriafis, &c. See

Δβαβπυί (φυικιις) that of the Penis, διάγναβη, Εσ. σεν ΚΑΥΥΕΙΛΙΚΕ, CYNICUS, ΕΘΕ. Cardon diffinguifhes two Kinds of Sβαβπα's. The first Conflitting in continut Contraction of the Mackes, which renders the Members rigid, and inflexible. The Second, in findden, unnastand Moricos and Palipiations, frequently forced.

smooth, unmutait Motoses and Palpitations, frequently sinter mitting and beginning again. Accidental Synfars, are of little Continuance: There are forecarfulor from Flavalencies; from Bittes of vencous Bellis, from the Panchare of a Nerve, the Aerimony of the Hamous veillesting the Stormach, Vapours of the Matrix, excellive Cold, 26:

old, E/s.
SPASMODIC, fomething belonging to a Spafing, or Carvultion s

vultion ; as a Spafmodic Medicine, Spafmodic Difeafe, &c. Sec STASMA.

See Graama.
Hanger, according to M. Heopner, is a Spafanoise Afficilion
Hanger, according to M. Heopner, is a Spafanoise Afficilion
of the Fibres of the Stormach 3 unless it arties from the Fibres
being too much monitered by the Legaren threed, is as to incapacitate them for their Office. See Husen e.m.
SPATULA, an Indirument upded by Surgeons and Apothecatics; mude that as one end, and round at the other. The
Burgeons have little Silver or Seed Spatials, to Dread their

iters and Unquents withal,

The Apothecaries have large ones of Wood, to flir their Drugs in diluting, tempering or boiling them. The Word Drugs is diluting, tempering or boiling them. The Word is form'd from the Lettin, Spatism, of the Greek er-show. SFANIN, a Dicate in a Horly is bring a Swelling or Scimies in the Ham, that cause him to halt.

One—Spatism, which is a close Turnour, a the Bottom of the Ham, on the Ham, on the Ham, on the Ham, or the Bottom of the Ham, on the Synony, Greek Horles only halt with it, at the first coming out of the Stable.

The dry Sprain is more eafily perceived, by the Horfe's raifing one of his hand Legs, with a Twitch, higher than the other. Sometimes 'its found on both Legs. This Kind frequently degenerates into the Ox-Sfavin, for which there is no Remedy, but to apply the Fire; which, however, is not always fucceisful. The Word is form'd from the French, Efferein, which

fignifies the fame thing.

There are two other Kinds of Spavin, which have their Seat in the Hoof, viz. the Blood Spavin, and Bone Spavin; which

fee under their proper Articles SPAWS, are Springs of Water, atting out of Minerals in the Earth, or from Mines of Nitre, Sulphur, Allum, Bitumen, Copperas, tots. See Mineral and Wayers.

Shouts are physical Waters, fome purping by Urine, others by Vomit, and Stool.
That in Tokkhire is the most noted of this Kind in Log-

See BATH. SPAYING, the Operation of Castrating the Females of feveral Kinds of Animals, as Sows, Bitches, &c. to prevent any further Conception, and promote their fattening. See

CASTRATION.

CASTRATION.
"Tis performed, by cutting them in the mid Flank, on the left Side, with a flarp Knife or Lancet, taking out the Birth-Bag and cutting it off, and for itterhing ut he Wound, anoning the Sore with Tar, and keeping the Animal warm for two or three Days.

two or three Days. The usual Way, is to make the Incision a slope, two Inches and a Half long, that the Fore-singer may be put in towards the Back, to feel for Two Kernels, as big as Acons on both Sides the Birth, one of which is drawn to the Wound, the Strime thereof cur, and thus both taken out.

STEAKER, a Member of the House of Commons, elected

by a Majority of the Votes thereof, to act as Chair-man, or Prefident, in putting Questions, reading Briefs or Bills, keep-ing Order, reprimanding the Refractory, adjourning the

ing Order, repremienting the Reasonays accommendation of the Reason Scale Reason and the Relief Scale Reason and the Relief Scale Reason and the Reason and the Reason Rea

The Lord Chancellor is usually Speaker of the House of The Speaker of the Carrocation, is called the Prelocator.

See PROLOCUTOR-SPEAKING, the Art or Act of expressing one's Thoughts in articulate Sounds or Words. See Words and Voice ; see

alfo Speech and GRAMMAR.

24to SPEECH and GRAMMAR.
Pling, Elian, Plutareh and other Authors, make mention of feveral Beafts that have Spake: And Pliny himfelf, speaks with Assurance, in his History, of an Ox that Spake, Phi-Influences, in his Life of Apollouius, gives the like Privilege to an Elm, and even to Ships. Homer makes Xauthus, one of Achilles's Horfes, fpeak; wherein he has been followed by Oppian. But thefe are all fabulous: We have much better Authority for a Serpent, and an Afs's fpeaking. See Lan-

SPEARING-Trumper. See TRUMPEY. SPECIAL, tomething that has a particular Defignation;

STEALIL, fomething that has a particular Defignation, from the Lattin, Species in Opposition to general, of Genet. See Species and Graves.

The King in his Letters, frequently fays, of our Special Grace, full Power and royal Authority.

SPECIAL Matter, in Evidence, in Law. See General 1/16s.

SPECIAL Verdiët, &c. See Varnier, &c. SPECIALTY, in Law, is most commonly taken for a Bond, Bill, or fuch like Instrument. Sometimes it is also used

r Special or particular Acquaintance. SPECIES, an Idea, which relates to fome other more

general one; or is comprized under a more universal Division of a Genus. See Gunus.

Species is a mere Term of Relation: And the fame Idea Species 13 a mere l'erm of Relation: And the fame Idea may be a Spicier, when compared to another more general one 3 and a Gensor, with regard to a more particular one. Thus Body is a Gensor, with regard to a animate and nanimate Body 4 and a Spicier, with regard to an animate and nanimate Body 4 and a Spicier, with regard to a Subtlance. The laft Spicier, is that which can only be divided into Individuals. See Individuals.

ndurenale. See INDIVITUAL.
Admin le a Speere, with region to Bedy; sed Min, list
Admin le a Speere, with region of the Minkelot by
the Delay; but he preferred the Species. See Darcone.
Sprenza, in Lough; is one of the Five Words, call dy
Purbbyy, Universit. See Universals.
The Word Learn, formal from the ancient Vert, Specie,
Ilee, as if a Species of Things were a Collection of all the
Things from at one View.

STRGIES, in Rhetoric, is a particular Thing, contained

Species, in Antones, is a particular stungs commune under a more universal one.

The Orators also call it Hyperbysts, E.gr. Virtue is to be loved, is the Genus or Toofs. Temperance is to be preferred here, at this Time, is the Species or Hyperbysts. See Tuxuss.

Species, in the ancient Music, a Sub-division of one of the Genera.

The Genera of Music were Three, the Enhancement, Chromatic and Distonic; the two last of which were variously sub-divided into Species; nor was the First without Species. though those had not particular Names as the Species of the

other Two had. . These Species were also called the Chrosi, Colours of the Genera: The Constitution whereof, see under the Article

SPECIES, in Opticks, the Image painted on the Retina by the Rays of Light reflected from the several Points of the Surface of Objects, received in at the Pupilla, and collected, in their Passage through the Crystallin, 25c. See Vision. in their Passage through the Crystallin, Sc.

in their Pailage through the Crylatlin, §6. See Vizzos. The Philologhers have been in great Doubly, whether the Species of Objects, which give the Soul an Occasion of Species, ace an Efficien of the Substance of the Body 1 or a purer lim pression which they make on all ambient Bodies, and which they all reflect, when in a proper Distance and Disposition or, Jatlly, whether they are not some other more faibile Body, as Light, which reviews all the Impressions from Bodies, and is continually fent and returned from one to other; with the different Figures and Impressions it had taken on all Sides: But the Moderns have decided this Point by their Sides i Sut the Moderns have decaded this Point by their leavestion of artificial Eyes, wherein the Spiriter of Objects are received on a Paper of Limen-cloth in the Lime manner. The Ancient have dilinguished the Spirites, whereby Objects become visible, into Inspirite and Express, whereby Limpfiff's Spirites are fuch, as come from without; or are first from the Object to the Organ 5 fach are those we have already been gleasting of.

alseady brea freaking of.

\*\*Explift Spiece, as these, on the contrary, from within a contrary, from within a contrary from the contrary f out Objects.

The Peripateticks account for Vision, from a kind of Inten-tional Species, thus: Every Object, say they, expresses a perfect image of itself on the Airnext to it. This expresses another leffer one on the Air next to that; and this a Third thill lefs. Thus are the Images continued from the Ohielt to the Crystallin, which these Philosophers hold the principal Organ of Seeing. These they call Species Intentionales; and to account the better for their Generation, assim, That Objects exhibit them in the fame Manner, as Mirros do a Man's Face, Separate in Theology, the Appearances of the Bread and Wine in the Sacrament, after Confectation: Or, as the Romaniffs call them, the Accidents remaining in the Fread Ef-whereby they become fendible to us, after their Subtinace is whereby deftroy d.

de Moy agwier of the Bread, gfs. are in Whiteoria, Quan-tin, Myage, Palabarea, sels. Of Wine, in Flavour, Quick-nels, Ispedic Gravity, 65.
The Generality of the Rossip Divines, hold, That the Species are absolute Accidents: And the Correlpins, who as, to bound to decay sup fach Things as abslowe Accident incurring any fach Things are in Stocked to different the Cenferce of Hercy, P. Migemin is forected to affere, That

the Species are mere Delutions and Appearances, which God imprefits on our Sentes. See Assolute. Accident. amptens en our ochtes. See Angoluve Accident.

Species, in Commerce, are the feveral Preess of Gold,
Silver, Copper, 35c. which having palfd their full Preparation, and Cointage, are current in Public. See Costs.

Specie deviced, or cried down, are fuch as the Prince has
fulfidlen to be received in Department.

forbidden to be received in Payment.

Light Species, are those that fall short of the Weight preferibed by Law.

False Species, are those of different Metal from what they fhould be, &c.

Bould be, &f.:

Syntons, in Algebra, are the Symbols, or Characters, whereby the Quanties are reprefered. See Characters, whereby the Quanties are reprefered. See Characters, call to many high plan characterise it, and dilinguilheit is from every other Thing.

Thus the attracting of Iron is Spécific to the Lond-tone, or a Specific Property of the Lond-thone, or a

A just Detantion should contain the Internal Nation of the Thing defined, or that which freeight and diffinguishes it from every thing elfe. See Debition.

Specific, in Medicine, a Remedy, whose Virtue and Effect is preculiarly adapted to forme certain Disease; is ade-

quate thereto; and exerts its whole Force immediately there-

Thus Quinquina, or the Jefuits Bark, is held a Specific Diffeafe, Se. See Quinquina,

Authors make mention of three Kinds of Specific Me-

to Such as are eminently and particularly friendly to this or that Part, as the Heart, the Langs, the Brain, the Sto-

or that Fart, as the Heart, the Longs, the Britis, the Sto-mes, and the Stome of t

sidote. A Syerife Medicine, therefore, flunds in Oppufition to a Stemutifice of Michael's Medicine the Michael's Michael's Medicine the Michael's Medicine the Michael's Michael's Medicine the Michael's Micha

OURT LEAST : SINCE THE LEASTEN DOES IS FOUND HEAVET THAN THE WOODSTONE, It is faild to be Perificially or in Specie, Heavier, and the Woodst none, firetifically Lighter.

This kind of Gravity, forme call relative Gravity; in opposition to adiplate Gravity, which increases in Proportion to the Quantity or Mass of the Body. See Gravity.

#### Laws of the Specipic Gravity and Levity of Bodies.

1. If we Bedies be equal in Bolk, their florified formities are, near-othering, at which adolute Garvines. Thus a Body is faid to be twice as beavy, florificative, as another, if it have wice its Gravity under the fame Bulk. Hence, the florific Gravinies of equal Bodies, are as their as the florified for the fame Weight, are in a reciprocal Rativo their Bulks. Hence, the Marke or to be florid for the fame Weight, are in a reciprocal Rativo their Bulks. Hence, the Marke or two Deckes of the fame Weight, are in a reciprocal Rativo the florid for two Deckes of the fame Weight, age in a reciprocal Rativo the florid flo

of two notices of the lane weight, are in a reciprocal Land
of their Balks.

3. The fprease Gravities of two Bodies are, in a Ratio,
compounded of the direct Ratio of the absolute Gravities,
and the reciprocal one of their Balks.

and the reciprocal one of their Bulks,

Hence, again, the Specific Gravities are as the Denfities.

4. A Body Sectifically heavier than a Fluid, lofes for much of its Weight therein, as is equal to a Quantity of the Fluid of the faun Bulk.

Find of the fame Bulk.

For I spope of a Children and Ledel immerged in Water.

For I spope of a Children and Ledell', the expelled from the Children and Ledell', the court of the Children and 
Hence, 1°, Since a Fluid *Specifically* heavier, has a greatee Weight, in the fame Bulk, than a lighter; the fame Body will olde a greater Part of its Weight in a Fluid, fpresseasly heavier than in a lighter; and therefore it weights more in a lighter than a heavier.

netwert samm in 10,000 tr. of the other in weight more in a "2" Equal boungement Boiles weighing equally in Air, lofe their Equilibrium, if one of them be immerged in a "4" Since the prefey for Gravity at the thickee Switze, under the fame Bulk is the Prefey Gravity of the Plaid, will be to the Gravy of the Plaid, will be the Gravity of the Plaid, will be the Gravity of the Plaid, will be the Gravity of the Plaid, will be the Plaid of the Plaid o

### To find the Sprengie Gravity of any Fluids.

On eez Arm of a Balanc Guferad a Leaden Clobe 3 and the oaber, filten a Weight, which is in Eguidicirum there with in the Air. Immerge the Globe facecitively in the Versal Fluids, whose [Perick Forwittes are to be determined, and observe the Weight which balances it in each. Their foreral Weight, blainteded, feverally, from the first Weight, the Remainders are the Farm of the Weight fold in each blaid. Whence the Radio of the Weight fold in each blaid. Whence the Radio of the Weight fold in each blaid. Whence the Radio of the Weight will of the Radio of the Radio of the Weight of the Radio of the Huids is feen. See Hyprostatical Balance.

Hence, as the Denfities are as the facilic Gravities; we find the Ratio of the Denfities of the Fluids at the fame

time.
This Problem is of the utmoft Ufe; a shy it, the Degree of Parity or Goodne for Fluid, it entity bound, a Things of Parity or Goodne for Fluid, it entity bound, a Things one Life, and in the Practice of Physic.
At different Seafons of the Year, the freely Gravitie of Additional Seafons of the Year, the freely Gravities of Additional Seafons of the Year, the freely Gravities of Additional Seafons of the Year, the freely Gravities of Additional Seafons of the Year of Theorem Seafons of Theorem Seaf fhall here fubjoin.

## Table of Spreitic Gravities of feveral Fluids.

#### A Cubic Inch Paris | In St o. D. G. O. D. G. Meafure. 66 7 2 14 Oil of Vitriol Spirit of Vitriol Spirit of Nitre ā 71 59 5 24 44 Spirit of Salt 49 5 55 Aquafortis 23 35 5 15 • 21 Diftill'd Vinegar 3 n Burgundy Wine Spirit of Wine 67 25 4 Spirit of i 42 Pale Ale 9 . 5 Brown Ale Cows Milk 20 25 Goats Milk 3 24 28 14 19 Spirit of Urine Oil of Tartar Oil of Olives Oil of Turpentine 5 45 53 Is froze in Winter 39 4 46 4 Sea Water 12 River Water 5 10 5 13 Spring Water Diffill'd Water

11 14

That the flecific Gravity may be found the more accurately, the Weight of the Thread not immerged in the Fluid, is to be fubreacted from the Weight of the Sulid in Fluid, is to be fabricated from the Weight of the Solid in Air, and the Force necessity to make the Thread fashfor (if it be specifically lighter) is be to added to the Weight loss. But if the Thread that fullatine the Solid be heavier that the Fluid, the whole Weight of the Thread in the Air is to be substantially the thread that and the Weight and the Weight the Thread Soft new the Weight 10<sup>-12</sup> the Weight. nusrascen from the Weight of the Solid in Air; and the Weight the Thread lois from the Weight loft in the Fluid Indeed, this Precaution may be spared, if in examining the specific Gravity of Several Fluids, Care be taken that hame Thread be immerged to the same Depth in each.

6. To 6. To determine the Ratio which the specific Gravity of a Fluid has to the specific Gravity of a Solid, that is specifically heavier than the Fluid.

a rount at some precife Cravity of a Solid, that is Percifically Bearlet than Mal. Let be Solid in the Hallad and note the plant of the Solid in the Hallad and note the solid was the Hallad and the solid and the Hallad a

Table of the Specific Gravities of Several Solids. .

An Hundred pound Weight of Gold is sound in bulk to

| or Gold, is equal in |
|----------------------|
| 38 4 of fine Tin     |
| 26 of Load-stone     |
| 21 of Marble         |
| 14 of Stone          |
| 12 4 of Sulphur      |
| s of Wax             |
| e d of Water         |
|                      |

8. A Body fpecifically heavier, defeends in a Fluid specific a. In boary prospective receiver, extreenes in a rount prespi-cient spiriture and the second of the week of the Weight, over that of an equal Quantry of the Fluid, over that of an equal Quantry of the Fluid, presidently heavier Body to a Fluid, for even both inflams a flexifically heavier Body to a Fluid, for even both of the Fluid, under the Lance Gravity of the Body above that of the Fluid, under the Lance Bulk : Fer x x x Pound of Course 165x x Pounds of the

Bulk ; E. gr. 47 \$ Pound of Copper lofes 5 \$ Pounds of its Weight in Water; therefore a Power of 42 Pounds is able

to fullain it.

2° Since the Excess of the Weight of a Solid over the Weight of a Fluid specifically heavier, is less than that over the Weight of a specifically lighter Fluid under the same Bulk; it will descend with less Force in a specifically heavier Fluid than in a lighter; and, consequently, will descend more flowly in the former than in the latter.

g. A focifically lighter Body, finks in a heavier Fluid, till the Weight of a Quantity of the Fluid, equal in Bulk, to the Fatt immerfed, is equal to the Weight of the whole

Hence, 1°, Since the Specific Gravities of Bodies of the fame Weight, are reciprocally as their Bulks; and the Bulks of Fluids equal in Weight, are as the Farts of the fame Solid immerged therem; the Specific Gravities of Fluids are reciprocally as the Parts of the fame Body immerged therein.

receptions as the far to the same nouty times get thereto, 2. A Solid, therefore, immerges deeper in a lighter Fluid than a heavier; and deeper as the Proportion of the fpeigle Gravity of the Solid to that of the Fluid is greater, 3° If a Body be of the fame fpeigle Gravity with a Fluid; the whole Body will be immerged; and it will remain in any

given Place of the Fluid,

green a lace of the Fund.

20 If a flexifically ligher Body be wholly immerged in a Fluid; it will be arged by the collateral Columns of the Fluid, to a scend with a Force equal to the Excefs of the Weight of the Flaid, Balk for Balk, over the Weight of the Solid.

the bottd.

5° A Body, therefore, ffeeifeatly lighter, lying on the Battom of a Veffel, will not be raticed up, undefa the beavier Fluid rife above facts a Fart, as is equal in Balk to a Quantity of the Fluid of the fame Weight with the whole Solid.

10. The fgeriffe Gravity of a Solid, is to the ffeeife Gravity of the Solid.

10. The [Prime variety or a socia, is to the [preme variety of a lighter Folial, wherein its immerged, as the field of the Part immerged, is to the whole bulk. In The [Prime Gravities of equal Solids, are as their Parts immerged in the fame Fluid. 22. The Weight and Bulk of a [Preme Pluid, being given, and the Weight of the [Premised] besiner Fluid, being given, and the preme preme preme prime [In the Solid 
under the Fluid.

under the Fluid.
As this Force is equal to the Excess of the Weight of the Fluid, beyond that of an equal Balk of the Fluid 5 from the given Balk of the Solid, and the Weight of a Cable Food of Water, find, by the Rule of Three, the Weight of a Balk of Water, equal to that of the Body. From this, fluits the Weight of the Solid 3, the Remainder is the Force required. E.gr. Suppose the Force necessary to detain a Solid Eight Feet in Bulk, and 100 Pounds in Weight, under Water, required: Since a Cubic Foot of Water is found

to weigh 70 Found 3, the Weight of Water under the Bulls of Eight etc., is pen subtract, too Found, the Weight of Eight etc., is pen subtract, too Found, the Weight of Eight etc., is pen subtracted by the Eight etc., in the Force necessity or dents in the Soil ander Water.

Hence, fine a forcifactly lighter Body attends in a barrier Flaul, with the lane Force that would prevent in A force with the Eight etc., in the Force wherewish a forcefacilly lighter Body attends in the Force wherewish a forcefacilly lighter Body attends in the Force wherewish a forcefacilly lighter Body attends in the Force wherewish a forcefacilly lighter Body attends to the Force wherewish a forcefacilly lighter Body attends to the Force wherewish a forcefacilly lighter Body attends to the Force wherewish a forcefacilly lighter Body attends to the Force where the Force Body attends to the F

n on the Fluid.

merged as the Diameter is invested. I.e. The Force employd to return a flexificatily lighter Solid, under a benvier livide; and the Weight (off by a heavier Solid in a lighter Hold; as each added to the Weight of the Fluid, and weigh together with it. The ferred Thorout here delivered, are not only all constraints. I from the Principles of Michaniets, but are confirmed to the principles of Michaniets, but are confirmed to a ferre excellity to Collections, as it is abundantly critical from the Cearlies of publicaphical Experiencents, now frecounty exhibited; where the Laws of principles (and the principles) and the principles of the publicaphical Experiencents, now frecounty exhibited; where the Laws of principles (are the principles). frequently exhibited; where the Laws of specific Gravitation

frequently exhibited 3 where the Laws of Japane trattaname are well fullerized. So Information, wherewith Surgous EDECALLUJA, as Information, wherewith Surgous SPECIOUS Initiaturals, is that coverdant in Quantities, SPECIOUS Initiaturals, is that one the Quantities are in communification to that, where the Quantities are in communification to that, where the Quantities are the Communification of the Communification of the Communification of the Sec Asstrumentics, fee also Species Initiations of the Communification of the C

Specious Arishmetic, is what we more usually call Algebra. SPECTACLE, Show; fome extraordinary Object, which

draws the View and Attention; and is not beheld without

fome Emotion.

The Term is desirely afed by the Ancients, for the arrical The Term is desired by the Ancients, for the arrical term of the Ancients of the Ancients of Gladamore, of Bushmanscon 1 or General Section 1 of Gladamore, of Bushmanscon 1 or General Section 1 of Term of General Section 1 of Term of General Section 1 of Term of General Section 1 of Terms of

Old People and all Presbytze, ale Spetfacles of convex Lens's, to make Amends for the Flatness of the Eye, which does not make the Rays converge enough to have them meet

in the Retina. See PRISSYTE.
Short-fighted People, or Myopes, use concave Lens's, to keep the Rays from converging to fast, through the great Roundness of the Eye, as to make them meet e'er they reach

the Retina. See Myopes.

the Retina, See Miversa.

In Sydan, and a rimot epically, Spicitaritis are infed with a different view + All the People of Nove and Tathien them, a different view + All the People of Nove and Tathien them, and the People of Nove and Tathien them, and the People of Nove and Tathien them. See that the People of Nove and Tathien them are profound Wildom; and affect to flare very mare at every Timing; as if their Eyes were weaked, and wore one very Timing as if their Eyes were weaked, and wore one People of November 1, Tathien 
See THLESCOPE.

See I RESECTE. The first invented a kind of Specificales, with three or four Glaffes, which perform'd extraordinarily. Specificales were certainly unknown to the Ancients yet are they not of fo late a Date as the Telefore. Francisco Resis, in a very learned Tenatic on Specificales will have them to have been invented in the 13th Century, between the Years 1280 and 1311; and adds, that Alexander De-fina, a Monk of the Order of Predicants of St. Catherine at Pifa, first communicated the Secret, which own Invention; upon learning, that another Person had it as [Dd]

well as himfelf. This Hiftory is wrote in the Chronich that Convent.

that Convent.

The time Auchor wills us, That in an old Manufcript fill preferred in his Library, composed in 1299, 596-filedes as meaning that the composed in 1299, 596-filedes as meaning placetin, one jumped in 1299, 189, expectly. That I was not yet as Venr, fince the interaction of 596-filedes. He librarily quoess Thermat Garden in his Libraril Madeines, worse the first Venr, where he have Venr, where he will be supported to the composed of the composed in his Libraril Madeines, worse the first Venr, where he will be supported to the composed of th

without Spectacies.

without Sylvanies. Thus there is a Greek December of Sylvanies The Long, however, carries the Invention of Gylvanies Intrince back; affairing us, Thus there is a Greek December 1 and the Sylvanies of the Academy Sylvanies

in Ute: Now Saturate has observed, that those Sermons were made between the Yazur 2130 and 1316.

SPECTATOR, a Perion present at Speclade.
Among the Rossons, Specladers, Specladers, were a kind of Gladiators, who had had their Difcharge; and were frequently hired to be prefent, as Speclators, at the Combates of Gladiators, &c. the People were entertailed withal. See Glad-

an Arran.
SPECULARIA, the Arr of personing and making dyreads
SPECULARIA, the Arr of personing and making dyreads
Garles of could all Gardyrinds. See Cavrorrances.
SPECULARIA, parks in natural Harve, as hin of Store,
SPECULARIA, Parks in natural Harve, as hin of Store,
Wholew-lights, Sr. Tin a kind of Talk, fighte only intended to the country of the

The feveral Kinds and Forms of Specula, plain, concave and convex The Theory and Phenomena of the feveral Kinds of Specula See under Minnon.

The Method of preparing, grind-ing, &c. Glass or Metal Specula of various Forms The Lawsand Effect of the Spe-culs of various Forms -The Theory of concave Speculs under Bunning-Glaft.

SPECULUM Asi, an Inflrument, wherewith Surgeons dilate the Fundament, examine Sores, extract Bones, or let out any

peccant Matter that may be there lodged.

SFRCULUM Matricis, is an inframent used by Surgeons, to examine and dress corrupted Places in the natural Parts of Women. Its Form is the same with that of the Speculum

Ani. Sprentum Oris, is an Instrument serving to examine Disorders in the Mouth

There are two Kinds: the one common; the other biggs and fironger, fit not only to keep down the Tongue; but alfo the lower Jaw; while the Mouth is fureyed, to the very Extremity of the Throat, and the necessary Remedies

auplied.
SPEECH, the Act, or Art of expecting a Man's Thoughts, by certain Sipa invented for that Purpole.
The deligns are principally Assess, made by the Foler and The deligns are principally states, made to the Foler and SPEECH, in Grammar, an Affenbling of Bevent Words.
SPEECH, in Grammar, an Affenbling of Bevent Words.
The Grammarium generally made Eight Perns of Speech 3, f. Epithy kindred, Volved used in Thicourth, etc. Non., Trenson, Fork, Paristick, Actor, Carlyadian, Periphins and Vancourth Company, Volved Speech, Carlyadian, Periphins and Vancourth Company, Volved Speech, Carlyadian, Periphins and Vancourth Company, Volved Speeches, Carlyadian, Volved Speeches, Volved

Amergatrons couch of which fee under in proper Article An-NEAR, NOW, PRONONS, (Er. P. Briffer, one of the last and best Writers of Grammar, and State of three Parts of Speech, vize, Nowe, Perk and Medifestive; which list includes the Adverth, Conjunction and Periphilus. See Monristantive. See Monristantive, See Monristantive, and State of States, to the Seek. See hanging a Word or Genteror on a Paper about the Neck. See

CHARM and PHYLACTERY.

CHARLS and PHYLACTERY. 95 (1974). In to let 50 der STELL, in the SE Linguage. 96 (1974). In the STELL, the SE Linguage of three the Warderfried, that the Still may lie look in the Wind. 95 de 45 (1974), its that the Still may lie look in the Wind. 95 de 45 (1974), its the ready to work in fach a one's Room. 17 (1984) is to be ready to work in fach a one's Room. The Room of the Still may be sufficiently when the Room of the Still may be sufficiently with the Room of the Still may be sufficiently with the Room of the Still may be sufficiently with the Room of the Still may be sufficiently with the Room of the Still may be sufficiently sufficient sufficiently suf

Dr. Jimes given the following Rado or Meximo of Spelings:

By Menty, whole Sounds have been first all words, whole Sounds have been first aller the Rectange of the Difficulty of Spelling) the Altersica was under far the Difficulty of Spelling) the Altersica was under far the Aller of the Difficulty of Spelling the Altersica was under far each be written feveral Was, a want to be given being as the Aller of imported Menty, which was the second was the Aller of the Spelling that the Aller of the Spelling that the Spelling the Spelling that the Spelling the Spelling that the Spelling the Spelling the Spelling that the Spelling that the Spelling the Spelling the Spelling the Spelling that the Spelling t

Sowery and is definingly floid in large, fiquere, thick Clair, where one would uple it to have been moded as it cames of the Mines, and cut lines that Figure.

The died to clear and whiten Fig. 11, in making of Powir, The died to clear and whiten Fig. 12.

Those who imagine that the Spitter is put in to licensight the Weight, are millstan, fine fram including Five of Six had add Weight of Tim, they facre put in a Pound of Spitter, and with Current, in the medium of Compart, to give Solder, and with Current, in the medium of Compart, to give Solder, and with Current, line the miles of Compart, to give Solder, and with Current, line the miles of Compart, to give Solder, and with Current, line the miles of Compart, to give Solder, and with Current, line the miles of Compart, to give Solder, and with Current, line the miles of Compart, to give Solder, and with Current, line the miles of Compart, to give Solder, and with Current, line the miles of Compart, to give Solder, and with Current, line the miles of Compart, to give Solder, and with Current, line the miles of Compart, to give Solder, and with Current, line the miles of Compart, to give Solder, and with Current, line the miles of Compart, to give Solder, and with Current, line the miles of Compart, to give Solder, and with Current, line the miles of Compart, to give Solder, and with Current, line the miles of Compart, to give Solder, and with Current, line the miles of Compart, to give Solder, and the miles of Compart of Compart, to give Solder, and the miles of Compart of Compart, to give Solder, and the miles of Compart, line of the Miles of Compart, line of the Compart of Compart, line of the Compart of the Compart of Compart, line of the Compart See SOLDER.

The Best is white, in fine Scales, difficult to break, Esc. SPERM or Sperma, the Seed whereof an Animal is form'd

whether to reckon it an animal or mineral Subfrance.

It had its Name Sperma Cett, Seed or Sperm of a Whale, given it, no doubt, to raife the Value, by a Notion of its

Scarcity.

The Method of preparing it, is a Secret in the Hands of a

The Method of preparing it, is a Secret in the Hands of a very few: The Process is thus; The Hands of a The Brain beting taken out of the Animal, is melted over a gentle Fire, and put into Monolds, like those wherein Sugar-Loures are form di. When cold and drain't do' is Oil, 'tis taken out and melted over again 1 and this they continue to do still it be well partified, and become white. 'To then cut with a Knaife for the Purpoie, and reduced into Fislexe, fuch as we

have it from the Druggiffs,

It must be chosen white, clear and transparent, of a rankish
Smell, which fome fancy to pareake of that of the Violet; fone
specificate it with Wax; but the Deceit is discovered, either sophiticals it with wax 5 but the LECCH's discovered, einer by the Smell of the Wax, or by the Dulnels of the Colora. Some also fell a Preparation made from the Tail of the Whale, instead of that from the Brain; which last kind turn Yellow, asson as opered to the Air. In the General, there is no Merchandise that should be kept closer from the Air

is no Merchandlie füst: Broads be kept cloter treum the ant thom Joyens Carl.

"The of fonce Ule in Moliciac. Dr. Zpring, flay, 'es a noble Remedy in many Carls, as the Airbana, 15c. though chefty used in Bruifes, inward Hurrs, and after Peliciry. Dur 'in certain, in general Property, and the which male pure to the property of the property of the property Tumours of the Breat. When the Carl Tumours of the Breat.

SPERMATIC, in Austomy, founching belonging to the Charges of Soil.

Sperm or Seed. The Ancients made a general Division of the Parts of the

The Ancients made a general Jivinion to the error or minum Body into Spermatic and Friging this by their Colors, Similar Spermatic and Friging their Colors, Sir. bors fome Refermblance to Scot, and were imposful to the formal theoreti, this are the Nerves, Membrane, Reson, Sir. The Frighy, were those frapposled to be formed of the Blood for Conception. But the Moderns, with much better Reside, hadd all the Fires to be Spermatic in this Scote, and cities hadd. All the Fires to be Spermatic in this Scote, and cities Made. Soc. Follows, Article Sounds. Male. See GENERATION.

Andry mentions (Permatic Worms in the human Body.

SCE WORMS.

SYRIMATIC Viffels, called alfo Vafa preparantia, are certain Veffels appointed for the bringing of the Blood to the
Telficles, E.c. to be feered and prepared into Seed; sarfor the carrying back again the Blood, remaining after the
Secretion is effected. See Eren.

Secretion is efficiled. See Sern.
The ferenate Feffish are two Arteries and two Voins.
Spermatic Arteries wife from the fore Part of the Trush
of the Aoras, below the Emalgents. Their Struffure is very
fingular, in that, contrary to the Fabric of all other Arteries,
which are largelf at their Exit from the Trunk, theft are
finalled at their Origin, and grow bigger in their Properfish
consulted their Crigin, and grow bigger in their Properfish.

wards the Teftes. By this means, the Blood receives a Check at its first going off for those Parts, which diffuoses it for the future Changes, Sc. it is to past, The same End is answered in Quadrupeds, by having these Arteries curl'd and contorted in their Passage like a Screw.

The Reason why Nature has taken another Method in

The Kraion why Nature has taken another netwood in Man; Mr. Compary observes, is, that in that Cafe, the Abdo-minal Mutcles must have been much larger than they are; by which means, the Inteffines would have been frequently let down into the Scrotum; an Inconvenience Quadrupeds are fecured from, by the horizontal Polition of their Bootles.

are focused from, by the horizontal Pofition of their Bodies. The Ifernatus description, to their Progreth, meeting with the International Professional Profession and the International Profession and the International Profession and Proceedings of the International Procedings and the International Procedings and the International Procedings and the International Procedings and International Profession and International Proceedings of the International Proceedings and International Proceedings of the International Proceedin

Epididydimit. See PARASTATA.

The frematic Vein; take the fame Course with the Ar-The fermatic Fiens take the fame Courfe with the Ar-tries 3 only a little above the Fleitides, they fight into fe-veral Branches, which uniting, form a Plexos, called Corpor Vericiofus Paranjusferne or Pyramitals. The Blood re-turned by the florancity Flein, is delivered on the right Side to the Cowy, and on the Left, into the emignet Verile SPERMATOCELES, in Medicine, a Rupture occasioned SPERMATOCELES, in Medicine, a Rupture occasioned SPERMATOCELES, and the Courfell, whereby they are let [1] income. Service the Course of t

fall into the Scrotum. Harris.

SPHACELUS, in Medicine, a total Mortification of any

Part, occasioned by an Interception of the Blood and Spirits. See Montification. The Word is Greek, opines . form'd, perhaps, of opiny w.

The Sphacelus is diffinguished from the Gangrene; which

is only a Mortification begun, and, as it were, the Road to a Sphaeelas, which is the State and Perfection thereof. See GANGRENE.

GANGRENE.

The Sphacelus is diftinguished by the Lividness or Black-ness of the Part affected; its Softness, Insensibility and ca-

daverous Smell.

The other Caufes of the Spheselus, are close Ligatures, excetifive Coldas, great Inflammations, Bites of Mad Dogs.

"Tis fometimes, also, called Neergiti, and fometimes Siders-

was a long, and a long, the second and long, the long and long, the long and long, and long a

The Exercise here perform'd was called Spherifics and Spheromachia, which some will have to have differ'd from the modern Tennis; but 'tis not known wherein the Difference confifted.

rence confilled.

The Millighest were particularly averfe to this Exercise 3 and the Albenians as remarkably lond of it.
They frequently gave the Right of Citizens to the Spherights, or Mailters in this Art, by way of Reffect.
SPHEN COILAL Starter, in Anatomy, a Surver than call'd, from its encompositing the Os Sphemiates, which it reparates from the Os frients, the Os perigrans and Os exciptins. See

SPHENOIDES, in Anatomy, a Bone of the Head, common to the Cranium and upper Jaw. See CRANIUM, Sc...
It is fituate in the lower Part of the Skull, whereof it is, it is uruare in the lower Part of the Skull, whereof it is at it were, the Batis, and is connected to all the other Metu-bers thereof, by the Sphenoided Saturne. Its Form, is irrequ-lar, and not eafly to be defectibed; whence some have call'd it Multiforme. It has its Name Sphenoides from the Greek, ist, and sole carly to be deterious, whence some have can a it Multiforme. It has its Name Sphemoides from the Greek, webs, Cameus, Wedge, from the Form of its Infertion into the her Bones of the Skull,

In Adults, 'tis one continued Bone; but in young Children, metimes confifts of Three, and formstimes of Four diffinit

SPHENOSTAPHYLINUS, in Anatomy, a Mustle of the Larynx. It descends from a round, flelhy Origination, near the Root of a Process of the Os Specimized, and is im-planted into the posterior Part of the Uvula, where it joins its Partner. It ferves to draw the Uvula upwards and backwards; and hinders the mafficated Aliment from paffing into

the Foramina Narium in Degluttion.

SPHERE, in Geometry, a Solid Body contained under one fingle Surface, and having a Point in the middle, call'd the Courre, whence all the Lines drawn to the Surface, are equal. See Solin, Se.

The Sphere is supposed to be generated by the Revolution of a Semi-circle, as K, (Tab. Geometry Fig. 34.) about its Diameter A B, which is also called the Aust of the Sphere, and the extreme Points of the Aust, A and C the Police of the Sphere. See Centre, Circumperence, Axis, Pole,

#### Properties of the Spheni.

1º A Sphere is equal to a Pyramid, whose Base is equal to the Surface, and its Height to the Radous of the Sphere. Hence a Sphere being effected sich a Pyramid, its Cabe of Solid Content, is found like that of a Pyramid. See PERAMID-

2º A Sphere is to a Cylinder, standing on an equal Basis, 2° A DEROW IS TO a Cytinger, Islanding on an equal Dails, and of the fame Height, as z to 3. Hence, alio, may the Cube or Content of the Sphere be found. See CYLINDER. 3° The Cube of the Diameter of a Sphere, is to the Solid Content of the Sphere, nearly as goot o 157: And thus, alio, may the Content of the Sphere be measured.

may the Content of the Sphere be meafun 4º The Surface of a Sphere is quadruple that of a Circle described with the Radius of the Sphere. For since a Sphere

is equal to a Pyramid, whose Base is the Surface, and its Alti-tude, the Radius of the Sphere: The Surface of the Sphere is had, by dividing its Solidity by a third Part of its Semi-

If, now, the Diameter of the Circle be 100, the Area will be 7850; confequently, the Solidity 1570000, which divided by a Third of the Semi-diameter, 100; the Quetent is the Surface of the Sphere 31400; which is manifeltly quadruple the Area of the Circle.

## The Diameter of a Synene being given, to find its Surface and Solidity. Find the Periphery of the Circle described by the Radius

of the Sphere. See Parpurary.
Multiply this, found, into the Diameter; the Product is
the Surface of the Sphere. Multiply the Surface by a fixth
Part of the Diameter, the Product is the Solidity of the

Fare of the Sphere 56, the Peri-Thos, Supposing the Diameter of the Sphere 56, the Peri-phery will be found 1755 which multiplied by the Diameter, the Product 9800 is the Surface of the Sphere; which mul-the Product 9800 is the Surface, gives the Solidity

tiplied by one fixth Part of the Diameter, gives the Solidity 919057. Or, thus; Find the Cube of the Diameter 175616; then to 300157, and the Cube found, find a Fourth proportional, 919057.
See PROPORTIONAL. This is the Solidity of the Sphere required.

For Segments and Selfors of Spheres; for SEGMENT and SECTOR.

## Describe of the Sphere } See Spheres. Projection of the Sphere } See Spheres.

SPHERE of Activity of any Body 4 is that determinate Space or Extent, all tound about it, to which, and no farther, the Effluvia continually emitted from that Body, do reach, and where they operate according to their Nature. See

Thus we fee the magnetical Effluvia have certain Bounds Thus we fee the magnetical Effluvia have certain Bound-and Limits, beyond which they will have no inflament covers and Limits, beyond by a Lond-Rose, I may be fail to be at it may be more by a Lond-Rose, I may be fail to be stifting to the property of the state of the state of the Sunara, in Altocomy, that concave Orb or Expansic, which invited orollose, and in which the heaven'y Bocks, Sun, Stars, Hants and Comera, appear to be field, at equal Diffuser from the Peris Ger Harzus Wardel, and is the Sunara and the sunara sunara sunara sunara sunara sunara sunara Both and the sunara su

This object, as it includes the first distart, whence we fill occasionally call it, the Sphere of the first Store, it wallly excluded yeal it, the Sphere of the first Store, it wallly recipied of the Dismost hereof, then the Sphere is not feedily changed by any Alternation of the Sphere is not feedily changed by any Alternation of the Sphere is not feedily changed by any Alternation of the Sphere is not feedily changed by any Alternation of the Sphere is not feedily changed by any Alternation of the Sphere is not feed to the Sphere is not feed to the Sphere is not feed to the Sphere is not seen to position from Police in the Police is the Sphere is not seen to position from Police in the Sphere is not conceive right Lines draws from the Sphere of the Stare, it to conceive right Lines draws for the Sphere is not construct theorem. The Sphere is not construct the Sphere is not construct the Sphere is not conceived 
opera; the rounts where thefe Lines remainate therein, are the apparent Places of those Stars. See PLACE and PARALLAX. The better to determine the Places of the heavenly Bodies in the Sphere; feveral Circles are imagined to be described in the Surface thereof; hence called Circles of the Sphere. See Circles of the Sphere.

Of these, some are faid to be greater, as the Ecliptic, Meridian, Equator, Sc. others lest, as the Tropicks, Parallels, &c. See GREATER and LESSER.

E. See GREATER and LESSER.
Of thefe, again, four are meenfels, or once their Origin, to the Motion of the Earth, Ec. facts is the Ecliptic, Secondaries of the Ecliptic, Eff. See each Circle under in proper literal; as Equatrons, Ec. 1211.
Head; as Equatrons, Ecutzric, Hoalzon, Ec. Systems, or Hospitalists, as certain Disposition of the Systems, in Geography, Ed. accrain Disposition of the Circles on the Surface of the Earth, with regard to one of the Earth, and the Earth of the

onter; which varies in various Parts thereof. See EARNY, The Circles originally conceived on the Surface of the Splares of the World, are almost all transferred, by Analogy, so the Surface of the Earth; where they are consisted to be drawn discelly underneath those in the Splares, or in the fame Planes therewish; 6, that were the Plazes of those of the Earth continued to the Splares, they would coincide with the reflective Circles at the Splares, they would coincide with the respective Circles thereon.

Thus we have a Horizon, Meridian, Equator, &c. on the

Earth. As the Equator in the Heavens divides the Sphere into two equal Parts; rhe one North and the other South; fo does the Equator on the Surface of the Earth, divide the Globe in

the fame Manner. See Equator.

And as the Meridians in the Heavens, pass through the oles of the Horizon; so those on the Earth, Sc. See MERIDIAN.

With regard, then, to the Polition of some of these Circles in respect of others, we have a Right, a Parallel, and an

A right Sthere, is that where the Equator cuts the Horizon of the Place at right Angles: For the particular Phramomens, 26. whereof; ice Right Sphere.

A parallel Sphere, is where the Equator is parallel to the fensible Horizon, and in the Plane of the Rational, See

ARALLEL Sphere An ablique Sphere, is where the Equator cuts the Hori-n obliqually. See Onlique Sphere. on obliqually. See Oblique Sphere.

Armillary, or artificial Sphere, is an aftronomical Inftru-

ment, representing the several Circles of the Syders, in their natural Order; serving to give an Idea of the Office and Posi-tion of each thereof, and to solve various Problems relating

'Tis thus called, as confifting of a Number of Falcise or Rims of Brais, or other Matter, called by the Latist, Armille, from their refembling of Bracelets, or Rings for the Arm

By this, 'tis diffinguished from the Globe, which, though it have all the Circles of the Sphere on its Surface; yet is not cut into Armilles or Rings, to represent the Circles, simply and alone; but exhibits also the intermediate Spaces, between the Circles. See Grone.

Armillary Spheres, are of different Kinds, with regard the Polition of the Earth therein a whence they become diffinguished into Profomate and Copernican Spheres. In the First whereof, the Earth is in the Centre; and in the latter

First whereout, the Earth is in the Centre; and in the latter mear the Circumference, according to the Polition that Planet has in those Systems. See Systems.

The Probamica Systems, is to that commonly in Ufe, and is repreferred (Tab. Aftronomy, Fig. 2: 1) with the Names of the feveral Circles, Lines, &c. of the System, sincebed of the feveral Circles, Lines, &c. See ProloMAIC

thereun. See Pyrolomac.
In the Middle, upon the Assis of the Sphere, is a Ball, repreferring the Earth 5 on whole Surface are the Circles, 2fc.
of the Earth. The Sphere is made to rerovice about the fail
Axis, which remains at reft : By which Means, the San's
Dirural and Amond Courfe about the Earth, are repreferred
according to the Pitslamic Hypothetis: And even by Means
hered, all Problems relating to the Theomenaco of the Sun
hered, all Problems relating to the Theomenaco of the Sun and Earth, are folved, as upon the Coelettial Globe; and after the fame Manner; which fee described under the Article

The Objective Strang, repreferred (Fig. 22), is very different from the Preferreds, both in it Confliction and Urg and more interaction both. Included the Influences is in the Hands of for few Prople, and its UE for inconfiderable, except what we have in the other more common Influences except with the white when the object, and its UE for inconfiderable, except what we have in the other more common Influences that we find the proposed of the

SPHERICAL Angle, is the mutual Inclination of Two SPHERUCAL Angle, is the mutual Inclination of Two Planca, whereby a Spheric not or Thus the Inclination of the Markov whereby a Spheric not be climation of the many control of the Spherical Angle A C.E. See Service, and A to E. See Service, and A to E. See A Spherial Angle A C.E. is an Arch of a spear Cache A.E., thin the Grant from the Versex C. or thou a Flictic,  $\theta$ . Since the Inclination of the Flance C.F. is the Arch of the Flance C.F. is the Arch of the Flance C.F. is the Lindanish of the Flance C.F. is the Control of the Flance C.F. is the Lindanish of the Flance C.F. is the Control of the Flance C.F. is the Lindanish of the Flance C.F. is the Control of the Flance C.F. is the Flance C.F. in the Flance C.

If a Circle of the Sphere, AEBF (Fig. 8-) cut another CEDF, the adjacent Angles, AEC and AED are equal to two Right ones; and the vertical Angles AEC and DEB equal to one another. The former likewife, helds of feveral Angles form'd on the fame Arch CED, at the fame Point

E. Hence, any Number of Spherical Angles, as A EC, A ED DEB, B EC, &&. made on the fame Point E, are equal to four right Angles. See Sphere, Lost Viringele, Sethera Cat. Viringele, a Triangle comprehended between three Arches of great Gredes of a Sphere, interfecting each other in the Surface thereof. See Than Novel.

## Properties of the SPHERICAL Triangles.

1. If in two Spherical Triangles, (Tab. Trigon. Fig. 10.) A BC and a bc A=a, BA=ba and CA=ca: Then will be and the Sides, iincluding the Angles, be refrectively equal, the whole Triangles are equal: That is, BC=bc, B=b and

Sec TRIANGLE 2. In an equilateral Triangle ABC (Fig. 11.) the Angles

at the Bafe, B and C, are equal; and if in any Triangle, the Angles B and C, at the Bafe B C, are equal; the Tri-

the Angle B and C, at the man B to Lyre engages your angule in equivaries. If Similar Myllinghy, each Sike is left than 2 Semi-cited: Any two Siden taken together an egenater than the Thirdy, and all the other Siden together and jet than 1 Semi-cited: Any two Siden taken together and jet than 1 Semi-cited: Any two Siden taken together and the Siden together Angle, and a left Side to a left Angle, 4. If it is a Sphiral Principle BA C(FF) 1 year Left Angle and B C Usekn together, be equal to a Semi-cited to the Side and B C Usekn together, be called to Siden S

Angle A be 'a right Angle, B C will be 'a Qualmers; if A be ontife, B C will be generet than a Qualmers; and if a be ontife, B C will be generet than a Qualmers; and if and the A spherical reclampalar Triangle, the Side B C (Fig. 24, alphaces to the right Angle, B, be a Qualmers; the Angle, a place of the period and the Angle A will be obtain a guarder, the Angle A will be obtain a guarder, the Angle A will be obtain a Qualmers; the Hypothesials will be first the a Qualmers. And, conversity. The spherical will be felt than a Qualmers and the conversity of the Angle of th

Quadrant. Hence, if the two Sides be left than a Quadrant, the two Angles are acute.

14. If in a Spherical Triangle, the feveral Sides be each greater than a Quadrant; or only two of them greater, and the Third equal to a Quadrant; the feveral Angles are should

obsett.

15, II in an obliquangular Spherical Triangle, two Sides les fist than a Quadrani, and the Third greater; the Angle-Replier of States and Control of the Control of the Sphere special control o RICAL Triangle and TRIGONOMETRY,
SPHERICAL Aftronomy, that Part of Aftronomy,

confiders the Universe, fuch as it appears to the Eye. See ASTRONOMY.

Under Spherical Aftronomy, then, come all the Phenomena and Appearances of the Heavens and heavenly Bodies, such as we perceive them; without any Inquiry into the Reafon, the Tixory, or the Truth thereof; by which it is diffinguished from Theories Afronomy, which confiders the real Structure of the Universe, and the Cause of those Physics.

In the Spherical Aftronomy, the World is conceived to be a conceive, Spherical Surface, in whose Centre is the Earth, our rather the Eeq, about which the visible Frame revolves, with Stars and Planets fix'd in the Circumferce thereof. And on this Supportion all the other Phenomena are determined to the Circumferce thereof.

mined.

The Theorical Afternoony teaches us, from the Laws of Opticks, Eff. to correct this Scheme, and reduce the whole to a juffer System. See SYSTEM.

See System.

το a juffer Syltem. See Syrama. SHERKICTTY, the Quality of a Sphore; or that whereby a thing become Spherical, or round. See Syrama. The Sphericity of Pebbles, Fraint, Berries, Se. of Drops of Water, Quick-filter, Se. of Bubbles of Air under Water, E.D. Hole takes to arife from the Incongruity of their Particles with those of the emalmient Flaid, which prevense that the spherical with those of the emalmient Flaid, which prevense the spherical with the spherical their Coalefting; and by preffing on them, and encompaffing them all around equally, turns them into a round Form. See

This, be thinks, appears evidently, from the Manner of making final' road Short of leveral Sizes, without cathing the Lead into any Mouldis; from Livospo of Rain being form'd, in their fall, into roand Half-litones; and from Drops of Water Halling on final Dult, Sand, Sc. which first produce an artificial roand Stone; and 'from the finall, roand, red-hot Balls, form'd by the Collificon or Fation of Filte and Steel, in firiking Fin

But all these Cases of Sphericity feem better accounted for, But all mere Cases of Sphericity teem better accounted for, from the great Principle of Attraction, whereby the Paras of the fame Fluid drup, &c. are all naturally ranged as near the Centre as positile, which necessarily ranged as near the Centre as positile, which necessarily ranged as near the Centre as positile, which necessarily ranged as near the Centre and, perhaps, a repelling Force between the Particles of the Drop, and of the Medium, contribute not a little thereto. See ATTRACTION.

thereto. See ATTRACTION.
SPHERICKS, the Defiring of the Sphere, particularly of
the feveral Circles definited on the Surface thereof; with
the Method of projecting the fame in Plano. See

The principal Matters shown herein, are as follow:

1. If a Sphere be cat in any Manner, the Plane of the
Section will be a Circle, whose Centre is in the Diameter of the Sphere.

the Sphere. The Disneted B I (This Tripos, Fig. 1) yield a Hence, 1 and 
3º Hence, alio, all great Creders of the Sphere are equal to one another.
4º Hence, alio, if a great Grete of the Sphere pask through any given Point of the Sphere, as A<sub>3</sub> it must alio pais through the Point dismetrically oppoint thereto, as H.
3º If Two great Circles markly interfect each other, the Line of the Section is the Drillbert of the Sphere, and there-ton two great Credes interfect best other in Point diametri-ture was great Credes interfect best other in Point diametri-ture was great Credes interfect best other in Point diametri-

vary opporte.

6 A great Circle of the Sphere, divides it into two equal Paras or Hemispheres.

2. All great Circles of the Sphere, cut each other into two Paras, and, convertely, all Circles that thus cut each other, are great Circles of the Sphere. 3. An Arch of a great Circle of the Sphere, intercepted between another Arch HIL (Fig. 18.) and its Poles A and B. is a Quadrant That intercepted between a left Circle DEF, and one of its Poles A, is greater than a Quadrant; and that between the fame and the other Pole B, left than a Quadrant; and,

conversely. convertely.

4. If a great Circle of the Sphere pass through the Poles of another, that other passits through the Poles of this. And if a great Circle past through the Poles of achter, the Two cut each other as right Angies, and convertely.

5. If a great Circle, as A FBED, rash through the Poles A and B or a lefter Circle DEF, it cans it into equal Parts a color size that the poles and as with A size.

and at right Angles.

and at right Augin.

A. If two openic Grebs A.E.BF and C.E.DF (Fip. 19.) InA. If two openic Grebs A.E.BF and C.B.DF (Fip. 19.) InA.C.B.D., that order will post through the Fig. 19.

A.C.B.D., that order will post through the Fig. 19.

A.C.B.D., that order will post through the Fig. 19.

A.C.B.D., that order will post through the Fig. 19.

A.C.B.D., the C.B.D. and C.B.D., care considerable and the C.D. and the counter was all the considerable and the C.D. and C.D.

diffant from the Course of #1 the Circles possible to the final govern Circle, soft year to require. An Golf and ILI, prince pred between a great Circle 1 M H and the lefter Circle of N in HL ON N because the Circles are equal. On the Circles of the Circles of the Circles of the Circles of ABBH, instrumed between two Circles GNF and LMH, be equal, the Codes on a guide. On the Circles of the two and circles of the Circles of the Circles of the Circles of Harvet the Angles Al and Circles of the Circles of the best the Angles Al and Circles of the Circles of

ber of Degrees. And hence the Arch I G is left than the Arch A E.

12. The Arch of a great Circle, is the fluorest Line which can be drawn from one Point of the Surface of the Sphere to another: And the Lines between any two Points on the same Surface, are the left.

Arches, are the left.

Here, the very Medium on Distance of the Points on the

Hence, the proper Measure, or Diffance of two Places on the Surface of the Sphere, is an Arch of a great Circle interpred between the fame.

cepted between the lime.

SFFHEROID, in Georetery, a Solid approaching to the Figure of a Sphere, but not catchir result, but toblogs, as having one of in Dismater binger than the ceiter; and general properties of the ceiter and the ceiter and general properties of the Semi-distinct being the state of the Semi-distinct being reserved. As if, "circ off a solidors of Semi-distinct being reserved as if, "circ off a solidors of Semi-distinct being reserved as if, "circ off a solidors of Semi-distinct being reserved as in the semi-distinct being reserved as in the semi-distinct being reserved as the semi-distinct being reserved. The Common of a Done, Damiler observed, but no low to have fall a Sphere, I had 8 objects, he say, is too low to have

a good Effect below. See Dome.

For the Solid Dimentions of a Spheroid, 'tis 3 of its Circum-

For the Solid Limitations of a Spherras, "it is not its Universition Cyllinder: Or litis equal to a Cone, whole Altitude is equal to the greater Axis, and the Diameter of the Bile to ofar Times the life Axis of the generating Elliphis. Or a Sphered is to a Sphere deficithed on its greater Axis, as the Square of the left Axis to the Explane of the greater: Or 'tis to a Sphere deficithed on the leftire Axis, as the greater Axis to the Left. The Word is to form!d from Spherra, and

SPHINCTER, in Anatomy, a Term applied to a kind of circular Mufeles, or Mufeles in Form of Rings, which ferre to

circular Musicks, or Musicks in Form or Kinga, which serve to clofe and draw up feveral Orffices in the Body, and prevent the Exerction of the Contents. See Museum. The Word is form'd from the Grook verywrit, Strillor, i. e., fomething that binds and contringes a Thing very cololly, their Musics having an Effect much like that of a Parlis-

firing.
SPHINGTER ANI, is a circular Mukle, ferving to flue the
Anni, and keep the Exercisents from coming away involuTis near two lines broad, and lamps down below the
Reflows, near so luck it is fulled on the Sides to the Boste
of the Casenday, near so luck it is fulled on the Sides to the Boste
of the Casenday, near so luck it is fulled on the Sides to the Boste
of the Casenday, and behind to the Of Genous Eberton, to
Men, to the Accelerate Urine, and in Women, to the Figure
Some would have it Two Mukles, and force Three s but Some would have it Two Muscles, and some Three; but

without much Reafon. witnour mach Restin.

SPHINEYER APPER, is a Marfele conflitting of circular Fibres, placed at the Exit of the Bladder, to prevent the perpetual dripping of the Units. SPC Univ. and BLADDER, and it keeps the Bladder continutly fluts; and is only opened, when by the Contraction of the Abdominial Mutcles, the Bladder is competited, and the Units forced out.

SPHINCTER Vegine, a confirstory Muscle, serving to hinder the Reflux of the Blood from the Chrarit, Se. in Coition. See Vagina.

SPHINGTER Gule Soc Soc CONSTRICTOR.

SPHINX, in Sculpture, &c. a Figure or Reprefentation of a Monfrer of that Name, famed among the Ancients prov modily afed as an Orament in Gardens, Terraffes, &c.

"Tis reprefented with the Head and Breafts of a Woman, the Wings of a Bird, the Claws of a Lion, and the rest of the

Body like a Dog.

It is supposed to have been engender'd by Typhon, and fent
the supposed to have been engender'd by Typhon, and fent by Jamo, to be revenged on the Thebans. Its Office was to propose dark, enigmatical Questions to all Passers by, and if

propose cars, enginetical Questions to an reafers by, and it they did not give the Explication thereof, to devour them. It made horrible Ravages on Mount Optingine, and could not by any means he defiroved, till after Octopus had folved the following Riddle; What Animal is it, that in the Morn-ing walks on four Legs; at Noun on Two, and at Night on ree ?

Among the Egyptians, the Sphins was the Symbol of Re-ligion, by reafon of the Obfourity of its Mylteries. And on the fare account, the Rossans placed a Sphins in the Promost or Perch of their Temples.

or Porch of their Temples.

SPICA-Marif, Spike-nard, a kind of Ear growing even
with the Ground, and fomerimes in the Ground; ufed in the
Composition of Treacle. See TREACEE.

It likewife thould be ufed in the Compound-Syrop of
Chicory, in lieu of Cinnamon, which the Apothecatics generally put for it, because cheeper.

rally pur for it, Deciate cheeper.

The Ear or Spice, is show the Length and Thickness of a Finger; very light, covered with long, reddish Hairs, of a strong Smell, and a bitterish, sharp Taile. There rise feveral of their Ears from the same Root. The Stern is small, and the Root the Thickness of a Quill.

The Control of the Control o

The Spice-Nardi, is ufually reckon'd in the Number of Roots. Tis alfo call'd Nardus Indiess 1 because brought from

the Enf. Index.

This accounted a Sometable and Nophrinic, proper to throughout the Sometab, and prantee the Disharps of Urine throughout the Sometab, and prantee the Disharps of Urine Spilos Nophrinic, and the Meannin of Urinic Spilos Nophrinic as Source of the fittle Angeline in the Confedition Prigs. See Vision.

In Place is in the more foutherly Hand. Its Longitude, according to Mr. Hamifred, is 19' 31' 21'; in Latitude 2' 19' 32' 19' 31'

SPINA Ventofs, in Medicine, &c. an Ulceration, wherein the Bones are caten by a malignant Tumour, without any Pain of the Perioftense, or Membrane that covers the Bone. After which, an indolent Swelling being rifen, the Part affected out with the Ulcer; whence frequently follows a necessity of Amputation.

SPINAL Marrow & Sec & MEDULLA Spinalis, SPINAL Nerves & Sec & NERVE.

In the Hilbery of the Prench Academy of Sciences, for the Xery Land Control of the Prench Academy of Sciences of the Science o

netally allowed of fach abbidue Necetility in the Animal Coconomy. See First. T. SPINALIS, in Austrony, a Markle on the Side of the Neck, arising from the Five flaperine Proceffes of the Vertebree of the Thours, and inferior of the Neck; and in its Adrent, becomes more fiethy, and is lightly inferred into the inferior Part of the Verebree of the Neck, laterally. In ferres and only we have known known when the Neck, laterally.

SPINDLE, in the Sea Language, is the finallest Part of

a Ship's Capitan, which is betwirt the two Decks: The Spindle of the Jeer Capitan bath Whelps to heave the Viol. Allo the Axis of the Wheel of a Watch or Clock, is called the Asjualt, and its Ends the Pevers. See Cacers, 65.
SPINE, or SPINA Dorft, in Anatomy, the Series or Attending of Verebers, or Benes of the Back, which fulfails the relia of the Body, and to which are connected the Riks, the relia of the Body, and to which are the Series or Spindle of the Riks.

Affecting the Eurly, and to which are connected the Rins. See V FERTERS, and to which are connected the Rins. See V FERTERS, where he finally divided into faur Ferts, the Nect which contain Service wherether, the Rick, "twelver phelanes which contain Service wherether the Rins," the Rins and Medical Rins and the Rins and Medical Rins and Rins and Rins and Medical Rins and Rins a

The Keys are fo many long, flat Fieces of Wood, which when touched and prefit down at one End, make the other when touched and prets of down at one many made the bad of raife a Jack, which founds the Strings by means of the End of a Crow's Quill, wherewith 'tis armed. The 30 first Strings are of Brafs, the other more delicate ones of Steel or Iron They are all ftretch'd over Two Bridges glacd to the

The Figure of the Spinet is a long Square, or Parallelogram a Foot and Half broad; fome call it a Harp Couch's, and the

For my large the throughput is a long Squarte, or Fernincippus.

For any large throughput is a long Squarte, or Fernincippus.

The Spirms is presently most by the East which Methods.

The Spirms is presently most by the East which Methods.

The Spirms is presently most by the East with the Methods.

The Spirms is the East is a present in the East is a present in the East is a present laught in the Spirms in the Large was the Large with the East is a present on each Fifth, by which means the whole is tunned, by offiner, is sailed amounter finalist need in Uniform, and a Thin in Colley to the British, and the Harmony the failing in Colley to the British, and the Harmony the failing the American Colley to the Spirms in Spirms in East of Spirms, is sailed and East probability in the American Spirms in Spirms in East probability in the American Spirms in the Method Spirms in Spirms in Elly of Violes is abded, by means of a Blow, or a few Wheels parallel on the loaded or right parks; and heighbour and offern ham, as they are more or left prefix. The Harpelshooth is a land of the American Spirms in the East present the East prefix the East prefix in the East pr HARPSICHORD.

HARVESCHORD.

The Inferencent takes its Name from the little Quills Ends, wherewith the Strings are drawn, which are fuppored to reiemble Spines. Thornes.

SPINNING, in Commerce, the reducing of Silk, Line, Hemp, Wooll, Hair or other Matters into Thread. See

THREAD.

THREAD, si cither performed on the Wheel, or with a Diffaff or Spindle, or with other Machines proper for the fereral kinds of Working. Hermy, Line, Nettles and other like Plants are to be wet in Spinning; Silles, Woodis, Cottons, See, are figure day, and don't need Water, yet there is a Way of Spinning Sills as it comes off the Cates or Balls, wherehot, and even boiling Water is to be ufed. See SILE; fee also WHEEL, DISTAFF, Go.
SPINOSISM, the Doctrine of Spinofs; or, Atheism proposed after the Manner of Spinofs. The Retainers whereto,

are called Spinolifts.

The great Principle of Spingffm is, That there is nothing properly and abfolucity exitting, but Matter, and the Modifications of Matter; among which are even comprehended, Thought, abitacle and general ideas, Comparisons, Relations, Combinations of Relations, Properties, §6. See MATTES

SUBSTANCE, &c.

Spings or Effingle, was a Man well known in Holland.
He was born a Jews but did not make Profession of any
Religion, either the Jewish or Christian. He composed to Religion, either the Jewith or Chriltun. He compoded few very Books in Alaris, the most celebrated wherein is alli-er with the control of the control of the con-trol of the control of the control of the con-densated by a public between of the States spheaph it has fined been fold public between of the States of though it has fined been fold public between of the States of though it has fined been fold public between the States of the States of States of the Virtual and Monthly to Magnitures, and to make then prefiled virtual and Monthly the States of the States of the States of the Virtual and Monthly the States of the States of the States of the Virtual and Monthly the States of the States of the States of the States of the Virtual and Monthly the States of 
Virtue and Morality.

He does not here say down his Notion of the Deity openly; but contents himfelf with infinanting it, In his Converfations, he afed to be more express; and In his Convertations, no ated to or more exprets; and maintained, That God is not, as we imagine him, an infinite, intelligent, happy and perfect Being; nor any thing, but that natural Vurtue, or Iscalty, which is diffused throughout all Creatures. See Nature.

There have been abundance of Anfwers made to this Work

There have been abundance of Anforces made to this Work of Sposing), but all cancellingly work, acresy what we have in Glerk's Sermons at Stople's Lichers.

Minnels, in the field Hentitis, is very full on the Subject of Schools, the field Hentitis, is very full on the Subject of the Striperson; and endonours to them, the best of the Striperson of the S

TRUCH.

SPINSTER, in Law, an Addition usually given to all ammaried Women, from the Vifexant's Daughter downwards. Yet Sir Edward Coke flays, Generofa is a good Addition for a Gentlewoman, and that if he be named Spinger in any Chiginal Writ, Appeal or Indichment, the may abate and auth the Green.

quash the fame.

Spelman fays, That anciently, even the Queens used the Diffast and Spindle; whence Spinster became a common Appellation for all Women. SPIRAL, in Geometry, a curve Line, of the circular Kind, which in its Progress, recedes from its Centre; as in winding from the Vertex down to the Base of a Cone. See

SPIRE.

Tis called from its Inventor, Archimedet's Spire, or Helia; and is thus described :

and is thus obscribed in EDwide the People of a Circle A P p A (Tab. Geometry EDwide the People of a Circle A P p A (Tab. Geometry EDwide the People of a Circle A P p A (Tab. Geometry EDwide the People of the Spirit of the Sp

St. 1. A P is not be Periphery as Can on the Radias Moser, at A Pans, Palmer Nerders, and Radias A Carr. A Pans, P Massy; then will CMmary: Conceptually a Pans 1 in a 1-year of Pans 1 in a 1-ye

78.11s.
30 The Lines M m, M m, &c. are to one snocher as the
Arches of the Circle, intercepted between MA and thole
Lines: And, when contined, making equal Angles with the
first and feccoal Systral, are in arithmetical Proportion.
4° Lines drawn from M to the Geood Systral, are to each
other as the faild Arches, together with the whole Petiphery
added on both Sides.

#### madrature of Spirals | See | QUADRATURE. Legistic SPIRAL

Tengthe Striat.

See Liconarie.

Striat, in Artistichen, Sculparen, En, is a Curre that aftends, winding shout a Conce of Spire; fo as all the Points interest contential spirated the Asia, By this it is all the Concentration of the Concentr

1. That the Lines B 12, B 11, B 10, Se. making equal ngies with the first and second Spiral (as also B 12, B 10,

Angies with the first and fiscood Spiral (as also B 12, E 70, B 8, GC) are an arithmetical Propertion.

2. The Lines B 7, B 10, GC, drawn any how to the first Spiral, are to one another as the Arches of the Gitele intercepted betwirt B A, and those Lines 1 Because whatever Patras of the Circumscence the Point A deferities, as suppose 7, the Point B will also have run over 7 Parts of the Line A B.

SPIRAL Stairs, in Building. Sec STAIRS.

SPIRAL SPIRA, in the ancient Architecture, is foretimes used for the Base of a Column; and sometimes for the Astro-

uted for the Bair of a Column, and fomentimes for the Affa-50 or Zero. See Banking, the Folds of a Serpent, which when laid, bears fonce Re-Caubhance thereto; or from the Greek, errige, the Colls of a Rep. \$57RIT, in Theology, is said by way of Ensimene, for the Third Perfort in the Hayl Trainty called The Septent, or The 16th Spirit. See Tauxive and Pranon. See Macapout, Mr. G. deep the Drikinje of the Spirit. Sec MACEDONIANS.

The Arians, &c. deny his Co-equality with the Father. See ARIANS.

Sec Analysis.

Divines expend the Manner wherein the Spirit was spendared by the sidder Spiration or Ersenthing of the Eather and the Swam Spiration, Bornel Spiration and Spiration and Conference of the Swam Spiration, Bornel Spiration, Swam Spiration, Bornel Spiration, Swam Spiration, Bornel Spiration, Swam Spiratio

ROCC.

In this Senfe, God in field uo be a Sjiriri \*Angels, Spiriris\* and the Decline Zini Sjiriri \*Nee Gon, Ancara, Diraka, Eric and the Decline Zini Sjiriris\* on Gon, Ancara, Diraka, Eric Allenia, Zini Sjiriris\* on Gon, Ancara, Diraka, Eric Allenia, Zini God, Spiritis on Hanklang and effekting Poyens, which can sold Spiritis\* or relied in any thingh Sairrial. See Sour.

F. Addishermed Spiritis\* of the Spiritis have non-harvest a the Body and the Spiritis\* of 
thereto. The first Refarmers denying stremonsly any infallible Interpreter of the Scripture, or any fettled Judge of Controverses; maintained, that every Person was to interpret and judge of revealed Traths, by his own Light, affisted by the Grace of God 3 and this was what they call'd private

Gree of God 3 and this was what they cill d pireate Spirit or fulgations.

Against this, the Argenests afed by the Romanifs see, That revealed Turbs being ease and the since for all Edicines. That revealed Turbs being ease and the fine of the Region or produced to the spirit of the spirit of the spirit of the spirit informs Larber on way, and the fine the spirit informs Larber on way, and spirit informs Larber on way, and spirit informs Larber on way, and spirit informs Larber on the Carefflicants, 1 up the different from that is threw the Antholytis and Alemanities, in the Newsys in Chemistry. It is not the Carefflicants of the Newsys in Chemistry. It is not the Principles of Immani.

SPERIT, in Chymidry, is one of the Principles of natural Bodies, called also Marcary. See PRINCIPLE and Man-

The chymical Principle Spirit, is a fine, fubtile, volatile, penetrating, pangent Liquor, which arifes ordinarily before the Phlegm or Water, and femetimes after it.

The great Properties of this Liquor are, that it penetrates and opens folid Bodies, corrodes, breaks, diffolives, and even diffolives certain mix'd Bodies; coagulates others, and produces an Infinity of Effects; and those even contrary to one another.

one another.

In the general, the Chymitis call Spiriti, all the floe fabile, and not aqueous Particles, raifed from Bodies by Hest, and reduced into Liqueous by Diffillation, fuch. They also call Spiriti, those aqueous Liquer drawn by Liquidation, when they are imprepared with Side, or other afters Principles, raifed, together with them, by the Victore of the Pitre.

Thefe, when they excite any Senfation of Heat on the Tongue, are particularly called Acid, or Sharp Spirits. When they make any Erofion on the Tongue, they are call'd Correfine Spirits. See Connosive.

Such as Taile fomewhat like common Salt, are call'd Saline Spirits. See SALT.
Such as partake of the Taffe of common Sulphur, Sul-

Phurous Spirits. See Surpsium.
And when this Tafte is very flrong, Urinous Spirits. See Uninoes.

Such as take Fire readily, Inflamable or Ardent Spirits.

and gring no Cooler rites, our serving to prepare the Sturs to receive the Colours. See Dying.

The Confumption of Spirit of Wine is very confiderable in feveral other Works and Manufactures, particularly the making of Varnifh. See Varnish.

making of Varnith. Sec VARNISH.

SPIRIT of SolPhin, is a Spirit drawn from Sulphar melica
and inflamed, the most fishelle Pare whered, is conserted
into a Liquen, by richican or a Glata Rel Inflamed over it,
whered, is placed the Sone For wherein the Sulphur is
burnt. Sec Surrey Sone For wherein the Sulphur is
burnt. Sec Surrey Sone For wherein the Sulphur is
burnt. Sec Surrey Sone For wherein the Sulphur is
for Surrey Sone For wherein the Sulphur is
for Surrey Sone For wherein the Sulphur is
for Former See Sone For wherein the Sulphur is
for Fired See Sone Sone For wherein the Sulphur is
for Fired See Sone Sone For wherein the Sulphur is
for Fired See Sone Sone For White Sone

This System is the Special Sone For White Sone

This System is the Special Sone

The Sone For White Sone

The

of Vitriol. See Spinir of Vitriol.

Spinir of Salt, a yellow Liquor drawn, by Chymiftry, from Sea Salt. See Salt.

from Sea Salt. See Salt."

The beft, is that prepared in England. "Tis much used in Medicine; but has not, perhaps, all the Virtues ascribed to it. The common Spirit of Salt, being very corrolive, may be dusclifted, by letting it digest three Days on a gentle

may be dulchied, by letting it diget three Lbs3 on a gentle Sand heat, with an equal Quantity of Sprint of Pine mixed therewith. See Dut\_IPYNO\_FRSSN-OWNO\_SES\_ATS of Pine in Medical in the San, or in Defect thereof, by the Fire, and then diffull by olymical Operations feveral Times repeated, first by a reverbeatory Fire, and then in Balano Mariae. See Virsual the in Tables of Medical See Virsual the See Virsual

burning and malignant Fevers.

The last Spirit drawn from Vitriol, and which is improperly called Oil of Vitriol, is used in the Diffolution of Metals nd Minerals.

Spirit of Tattar
Spirit of Sugar
Spirit of Turponine
Spirit of Venus

SPRATY, in Phylicks. Sir Ifane Newton cloics his immeral Primitifie, with observing. That he might "where "invested cloims Dimys, concerning anoth Solids, Spring "have dock of the Dimys, concerning anoth Solids, Spring and Strategies, and Light is emitted, reficield, and in "Granes, both strategies and Capital Strategies, and Light is emitted, reficield, and in Strategies, and Light is emitted, reficield, and in Strategies, and Strategies, and Light is emitted, reficield, and in Strategies, and Light is emitted, reficield, and in Strategies and Strategies, and Strateg and the Members of Animals moved at the Instance of the will, etc. by Vibrations of this Spirit, propagated through the folid Capillaments of the Nerves, from the external Organs of Sense to the Brain, and from the Brain to the Mustles." But he chuses to post-pone them; " as not having a sufficient

"Number of Experiment, whereby the Laws of the Adition" of this Spirit might be precifiely determined." See New-room of the Spirit might be precified by the Spirit 
The Ancients, indeed, made a four-fold Diffinction of

The Assessis, noccor, usace a tour-loid Distinction of Spirity into Pitch, Animal, Matural and Gentals: Wherea, the First they placed in the Hearty the Second in the Brian, the Third in the Stomach and Lever 3 and the Islatin the Tettlicles: Bur as this Division is founded on a falle Myso-thetic; it is now defervedly fee afther. It and most against profit Serairs, are only the fined; and most against profit Serairs, are only the fined; and most against Profit Serairs, are only the fined; and most against Profit Serairs, are only the fined; and most against Profit Serairs, are only the fined; and most against Profit Serairs, are only the fined; and most against Profit Serairs, are only the fined; and most against Profit Serairs, are only the fined; and most profit serairs and serairs profit serairs.

See BLOOD

Advised Spirits, are an exceedingly thin, fubrile, move-able Fluid, Juice or Hemour feparated from the Blood in the Cortex of the Brain, hence received into the minute Fibers of the Medulla, and by them diffcharged into the Nieros, by which it is conveyed through every Part of the Body. to be the Instruments of Senfation, muscular Motion, &c. See

to be the Instruments of scenarios, musicusar stution,  $S_{ij}(t)$ ,  

Spirit are feereed shone by the Glands whereof the control Sublance is computed; and have a Motion, Green Latin, Sp., peculiar to themfelrer. See Cin. Cux. ATON. DIV William Control, to the the Motion Green, the the Admin Spirit are perpendituded. The Control of the Aton Control of the Aton Control of the Aton Control of the Control o

it makes the Jubilet! Fares thereof descend,
The Existence of the Animal Spirity is controverted: But
the infinite Ufe they are of in the Animal Occonomy, and
the exceedingly Jume Account we flould have of any of the
Animal Functions without them, will fill keep the greatell
Part of the World on their Side. And, in effect, the learned
Beershave had gone a good way towards a Demonstration of
Animal Function. their Reality

their Reality. The Blood brought to the Brain by the Carotides, and Vertebral Arteries, he flews, is infinitely prepared, fectred caleboarted and changed from its soural State, etc. it arrives there, informed as, contrary to the Nature of the refs, inclined contring by the Fire, it immediately refored we help into a thin Vapous, without any Faxes behind. And is thus the state of the property of

a Fluid.

He shews, further, That the Animal Spirits are not form'd from the Cruor, but the Serum of the Bloed, which Melpight's History of the Growth of the Facus in an incubated

régirà History of the Growth of the Fatus in an incabatel Egg, there to be dristillé into Patres or Corpuélcies, incon-cevalby finaller than the Crour.

The Julie is fisch, as the no State of Ohi in the Body can contribute any thing to its and that in all appearance, via only a most fishille, pare waters which Liquer is famal or orfermble these Sprints in its extraordinary Mitchillity, Mobility, Stdotfly, Sciencis, The state Author House, further, from the Messenind of The state Author Hous, further, from the Messenind of

The friendendary successings, oncounty, Scausty, Scatterin, The faire Audic Pleas, further, from the Magnitude of the Carotid and Vertebrals, their fireights unincreased of the Carotid and Vertebrals, their friengals unincreased of the Carotic, St., further much be avery great Quantity of the Liques; that there is frosh prepared every Moment of the Carotic St., for their much be avery great Quantity of Hall Liques; that their is frosh prepared every Moment of Heart 166, from the Enrich and Carotic, and the Carotic St. of the Liques, for the Enrich St., for the Liques, much eather it or the Apertures of the Noverthean American Carotic St., for the Liques, for the Liques and the Liques and the Liques and the Liques and the Liques, for the Liques and the Liques an we fhould find it cone out and wet the adjacent Parm, upon cutting a Nerve, as we do in cutting a Lymphasite, &c. £23 upon binding a Nerve, the upper Part would fwell 1 that the Adjustions which Objecht make on the Fliaments, would deaden, &c. that 'this impossible a Liquer floodd hase raw opposite Motions at the fairne Time; and that the Vederity of Supplied and the Republic of the Motions of Main, power, and the Spirits are rather Light than a Liquer Admin-ter of the Company of de Trev.

SPL For the Secretion of the Animal Seraits from
the Blood, and the Apparatin in order there-

For the Course of the or the Course of the Animal Security, and Securities. the Veffels thro' which (

or the Office of the Animal Seisits in Sec Muscle and Sensation. muscular Morson and Senfation - - -

SPIRITUALITIES of a Biftop, are fisch Perdits, as asis to him from the Benefit of his justification in his Doceft, and nearan Baron of the Parliment. See Branery.

Performation Many, 16th. See Varyaryanou, 26th. SPIRITUALIZATION, in Claymidity, the Adless of extending Spirits item natural Bodies. See SYLEAT. Spiritualization, 25th Spiritualization, is in Operation that belongs principally so ferromend Size, then to between 40th Spiritualization, 25th Spir

See FERMENTATION

Spirit of Wine, is fometimes Spiritualis'd to that deg that upon throwing a Quantity into the Air, not a Drop Ihall fall down; but the whole evaporate and be inft.

SPITTLE. See Saliva and Sputum.

SPITTLE-Houft, a Corruption of the Word Hofpital.

See HOSPITAL

SPLANCHNOLOGY, in Anatomy, a Difcourfe, or Explication of the Vifeers, See Viscours. arcology is divided into three Parts, cvz. Splanchuology,

Strengey is cursied into three Parts, we. Spinnensongy, Mysing and Spingeley. See Sancolocy. Splenesonger, is nanotocy. Splenesonger, is that which cross of the near Parts, and perticularly the Vifers. The Weed is found from the Greke enablyse Viffus, Indiffus, and Asj-Q. Diffuselfs. SPLEFN, I. Len, in Amerony, a folit, I may be SPLEFN, I Len, in Amerony, a folit, I may be the ligate of a Carlottin Red, or nather Lived, Colous, ordinarily effection for the Figure of a Toogue, though from times tringular, and

une Figure or a Toogue, though fornetimes triangular, and fornetimes roundiffs.

The Spleen is ufuelly Single, though fornetimes there are Two, and fornetimes Three found. Tis fiture in the Left Hypochondrism, between the figureous Rubs and the Stomach, it fornewship course on the St. St. Leanner, 1985. is fomewhat convex on the Side, towards the former, and con Is somewhat convex on the Suc, (twards in bothard, and cave towards the latter. Its ordinary Length is S.x Inches; Breadth Three, and Thickneß One. It is connected to the Omentum, and by Mesns of that and the Blood Veffels, to the Stomach and Left Kidney, and fomerimes to the Dia-

phragm.

It is covered with two Tunies; the External derived from the Peritonaum and connected to the Internal only, by the Intervention of the Blood Veffels. The inner confuls of Fibres very curioully interwoven. From this, probably, are derived very curioutly interwoven. From this, probably, are derived the finamentable Cells or little Bladders, which make up the main Bulk of the Sylven: Though Mailynghi rather takes them to arife from the Venous Duck. The Cells communicate with each other, and diffiharge themselves into the Trunk of the Vein. Their Indies, according to Malpygi, is familified the Vein. with various minute Glands adhering together; Six, Seven or Eight whereof, form a kind of final conglomerate Glands, wherein the Arteries and Veins feen to terminate.

Its Blood-Veffels are the Splenic Artery, which furnishes i when brooms from the Celler; and the Sylvenic Vein, which carries it thence, by the Ports, to the Liver. See Sylvenic, Its Nerves come from the Pleens Lieuseris, near the Bottom of the Stomach. The Veifels are all, as foon as they enter the Sylven, want up in one common Capital or Membrane, and plentifully diffirbuted together throughout the Subwith Blood, from the Coelisc; and the Splenic Vein, which and plentifully diffributed together throughout the Sub-flance of the Spiece. Befides thefe, are Lymphaticks in great

The Anaftomofes between the Arteries and Veins of the m, are more apparent than in any other Part of the Body. greater Proportion of Blood than any other Parts. See Anas-

The Use of the Sylven has been disputed in all Ages; both, as no immediate Use thereof appears from Diffection, and as we find, that Animals from whom it has been cut, live very well without it. All the Effects, e. gr. following the cutting is from a Dug, are, that the Animal grows more Solacious than ufual; that it urines more frequently; is more hungry than ordinary; and for the first Days is troubled with a Vomiting and Naufea. "Tis added, That 'tis necessary

the Part be taken away to make a good Runner.

Hence fome have imagined that the Spleen only ferved to
make a Balance in the Weight of the Body; others, that it was enly intended for the take of Syme erry, others, an utelefs Load, and one of Natures Redundances; others a Pit or Common-Shore to difficultarge the Focces of the Blood into; others a Fire, by the Heat whereof, the Action of the Ventricles is an mated.

Many of the Accients took it to be the Receptacle of the Arra Bits or Melacchuire Humour ; for which Reafon, fixne of them call it the Organ of Langbier.

of thum call re the Organo of Langhier.

Mrs. Cowylor, from me green Quantity or Blood, and the apparant look-dattees of time & Spein, draws a very material way of the property of the property of the property of the property of the control of the property of the control of the property of the Control of the property of the Arrest and Versal Blood, as Impress it communicated to the latter, by which its Progress of the Arrest and Versal Blood, as Impress it communicated to the latter, by which its Progress of the Arrest and Versal Blood, as Impress it communicated to the latter, by which its Progress of the Arrest and Versal Blood, as Impress it communicated to the latter, by which its Progress of the Property tarough the Kammications of the Porta to the Cava, is pro-moted, which would otherwise be fib booke by the double Kammications of the Porta, as to wast Strength inflicient to carry it to the Heart. See CI, acut\_Artion. The Action or Effect of the Sphem, according to Dr. Agerhance, is to receive the fieth atterial Blood, prepare

Burchaseve, is to receive the fresh arrerial Blood, prepare it in its Glands, and pour it into its Cells; to return what Blood is left from this Aktion, or the little Veins, and thence to the Sylvenic Vein; to mix the Humour thus pre-pared, with the nervous Juice, and to prepare, attenuare, and more intrinsactly unite them together into one Humour. Matterns, and afterwards To. 2011. Malpight, and afterwards Dr. Keil, and fome others, take

Majorgor, and atternance of the first and Liver, in the Se-cietion, Ec. of the Bile. We have observed, that by reason of the Nearnels of the Liver and Heart, and the swift Motion of the Blood in the Aosta, a Humour confifting of Particles that combine to flowly as those of the Bile do, could not be prepared but by bringing the Blood round about through the Stomach, Intellines and Omentum, Sc. to the Liver, to

the Stonach, Intellines and Chinestenn, Bes to the Larry, about in Velocity, conjecture, that their Part were one fulfill.

Now Dr. Kolf conjecture, that their Part were one fulfill.

Now Dr. Kolf conjecture, the their part of the conjecture of t Blood, which pattes through the Raman Spiencets, by to long and flow a Girculation, have more Chances for mutting than utherwise they would, had they been carried by the without the Spience, fished Quantity of Bile as it now fe-cerned, that is, as Nature requires, could not have been feerend by the Liver. See Birst; fee falls Dyran. Spience, it also used for a Directle, by Psyleicans more stallay called the Lipschendure Djodge, See Hervechon-utally called the Lipschendure Djodge, See Hervechon-

1AC and VAPOURS.
SPLENETIC, a Person affected with Oppilations and

SPLING 11. A PETION attented with Op/listions and In Splentic People, the Splent is faell'd beyond the natural Bulls, or hardend, to as to flew a Schirrous Tumout therem. Splentic People are ditinguished by a Livid, Lead coloured Complexion; their Claracter is to be very protes to Laughter; which is an Expedient Nature in Imposed to miske aid of, to execute the too orelandant Humour the Spleen is charged withal, whence it is that the Aucients made the Spleen the Organ of Laughter; and hence that popular Saying of a Perion laughting heartily,

That he cants his Spicen.

SPLENIC Veffels, a large Artery, and a Vein of the lesu. Sec SPLEEN.

Spices. See Spicess.

The Splein Artery, is a Trunk of the left Celiac, ferving to bring the Blood from that Artery to the Spicen, to be there feetered, prepared, the its Progrels is very much controtted, and after its Arrival at the Surface of the Spicen, it is diffused through the Subliance thereof in small

Speens, it is disturbed invoged the Substitute theeroot in maint.

Branches, which feem to ceroninate in the Cells,

The Splenie Fish is form'd out of the feveral minute Veirs of
the Splens, uniting as they quit the Surface thereof. It
carries the Blood fecreted, Etc. in the Splens, to the Lefe
Branch of the Fiens Paris, to be thence convey'd to the iver, there to be further prepared and converted into Bile.

Liver, there to be rurner prepared and converced into mise. The Sylenie Vein and Arrery manifellity communicate with each other: For Water being poured into one of them, perfectly differenges intelligent by the other. See Selles. SPLENI, in Austromy, a Fair of Mufcles, called allow their Form Triangulars.

They arise from the four upper Spines of the Verrebræ of

the Back, and from the tour upper spines 0 in the Vertexie to the Back, and from the two lower of the Neck, and a feending obliquely, adhere to the upper transferfe Proceffes of the Vertexe of the Neck, and are inferred into the upper Part of the Occipat. They pull the Head backwards to one Side. They are call d Sylenti, from a furprofed Refemblance to an

They are call'd Sylvenii, from a supposed assessment of St. ENNT, or SPLINT, among Fatriers, a callous, in-fenible Exercitence; or kind of hard Gridle, that fome-times thicks to an Horl's Shank-Bone, and generally compete the India of it there he one opposite thetero on the order of the state of the order of the ord

up broken Limbs. See FERVLA. SPLENTS, in Surgery, Pieces of Wood ofed to binding The The Word is also used for the Pieces of a fractured Bose. SFLICE; at Sea they say, a Cable or Rope is Spliced, when the Eacl of two Pieces being untwilled, the leveral Strands are wrought into one anoner by a Fidd. Also when an Eye is to be made at the End of a Rope, the Ends of the Strands, are, by a Fidd, drawn into the Ends of the

of the distance, act, by a folio, crawn into the Ends of the other Ropes Strands, and this is call'd a Splice.

To Splice among Gardeners, is to graft the Top of one Tree into the Stock of another, by certing them floping, and fallening them together. See Enon April 100.

STODIUM, in Frammey, a kind of Calk or Afhes, effected an excellent Cardiac, and held to have the fame Virtues with Card.

The Specimum of the ancient Greeks, was a kind of Afhes und on the Hearths of Furnaces wherein Brafs was made;

toland on the recentral of Purposes with the American and others, and Caulis That of the American Physicians, as Actionms and others, was made of the burn Roots of Ruffies and Recds.

The Moderns make their Specims of Ivory burnt and calcined to a Whitenels. The sometimes counterfeited, by the Cauling the usesness to a Whitenells. "The fometimes counterfeited, by burning Bullecks or Dogs-hones, but thefe are of no Value. The dust-Spating, which the Ancients fublituded for their Spating, was made of Myrde-Leaver, Galls and fome SPOII.8

SPOILS, whatever is taken from an Enemy in War. Among the Greeks, the Speils were divided in common among the whole Army; only the Generals Quota was the

begget.

By the Military Difcipline of the Remans, the Spails
belongd to the Republick; particular Perfons had no Trite to
them; and each of the Generale, as valuing themfelves on
their Probity, always carried them to the Publick Treafury.
Senertimes, always the state of the Publick Treafury. Sometimes, indeed, the Pillage was diffributed by the General among the Soldiery, to encourage them, or to reward them: But this was not done without a world of Prudence and Reservedness, otherwise it came under the Crime of Peculatus.

Precileurs, The Confuls Remulas and Veturius, were condemn'd for The Confuls Remulas and Veturius, were condemn'd for having fold the Spalls taken from the Æpain. Livy, this. 8. SYONDAULES, in Antiquity, a Player of the Finte, or other Wind Instrument of that Kind, who, during the or other Wind Instrument of that Kind, who, during the Offering of Sacrifice, performed, fome fairtable Air in the Procise Sacrifice, performed, fome fairtable Air in the Procise Sacrifice, performed ones for the Air in the Procise Sacrifice, and the Air in the Air

The Word is form'd from the Greek grands, Libation, and Flute SPONDEE, SPONDÆUS, in the Greek and Latin Profody, a Foot of a Verfe confifting of two long Syllables;

as Ferrum. See Poor and QUANTITY.

The Spander is a grave Measure: All Greek and Latin
Hexameters and with a Spander. See Verse and Measure. There are also Spandes or Spandaic Verses; that is, Verses composed wholly of Spandes, or at least that end with Two Spondees, as,

## Constitit atque coulis Phrygia agmina circumspexit.

SPONDYLUS, a Term anciently used for a Vertebra of the Spinar Dierst. See Vertebra, Se. SPONGE. See Spungs.

SIONGES. See Suuson.
SIONGES, in Autonomy, an Epithet given to feveral
SIONGESSA, in Autonomy, an Epithet given to feveral
SIONGESSA, in Autonomy, an Epithet given to feveral
Gavernous, like that of the Springs, as an Autonomy, and an Autonomy, and a see Cavernous Account.
See Cavernous Account.
Sie Cavernous Account.
SIONGESSA, and SIONGESSA, a Term applied to
Confessional Siongessa, and an Autonomy, and and see a profession of one confessional seed and see profession of one forms authors and see profession of one forms authors and see profession of one forms authors and see profession of one

fuch Mocrous of the Body and Mind as we personn or our felves, without any Confirming.

Thus, in Morality, those Actions preform'd from an in-ward and natural Principle, conformable to the Inclination of Nature, excluding all Confirming, but not excluding Neceffity, are called Spontaneous Actions. See Necessity.

In Medicine, an Evacuation effected without any Application for that purpose, is call'd a Spontaneous Euseustien. And a Lassitude or Weariness, not occasioned by any preceding Fatigue, is call'd a Spontaneous Weariness.

Fatigue, is call'd a Spentoneous Wearings.

The Word is form'd from the Latin Advert, Spente, of \*Tis held a grievous and dangerous Error, with regard

both to Religion and Morality, to hold that human Liberty only confits in a Spontaneity: M. le Clerc has been very harflily treated, for making St. Angujin of this Opinion. See LIBERTY.

See Lineary.

SPOONING: In the Sea Language, when a Ship being audre Sail, in a Storm at Sea, cannot bear it; but is forced to put right before the Wind; then the Seamen (Say in Syours; and when in fuch a Cafe, there is Danager left the Rybours; and when in fuch a Cafe, there is Danager left the Rybours; and what said is the seamen (Say in the Say in

the Fore-fail to make her go the fleadier, especially if there be Sca-room enough; and this they call Speaking with the

SPORADES, in Aftronomy, a Name the Ancients gave to fuch Stars as were not included in any Conffellation. See Thefe, the Moderns more usually call Informes.

INTERPMEN INFORMES.

Many of the Sperades of the Ancients have been face form'd into new Contellations, E.gr. Of those between Leg and Urfa Majer, Heweline has form'd a Confellation, cell'd Lee Manor's of those between Urfa Minor and Anrigo, nother Contellation called Lypus of those under the Tail of Urfa Major, another call & Comst oventies, Sc. Sec Cog.

SPORADIC, in Medicine, an Epithet given to fuch Difeases as have some special or particular Cause, and are differred here and there, regarding particular Conflitutions, Ages, or other Circumstances. See Disease. Sporadic stand in Opposition to Epidemic Diseases, which

are those arising from a general Cause, and that are common to all Kinds of Persons, of what Complexion and Quality forer. See EPIDEMIC.
The Word is form'd from the Greek ground, differred.

SPORTULA, in Antiquity, a Dole, or Largels, either of Meat or Money, given by Princes or great Men, to the People, or the Poor.

The Stortula was properly the Panier, or Easket wherein the Meat was brought, or wherewith the Poor went to be the mean was brought, or wherewith the Foor went to be; it; thence the Word was transferred to the Meat itfelf; and thence to Money fometimes given in lieu of it. Sportula was frequently nied in Oppolition to Retts come, a plentiful Meal; as in Martial,

## Premiffe est mbis Sportula rects data,

St. Cyprian calls Sportulantes Frances, fuch Clergymen at then received Gifts for their Maintenance, like our Pre-

SPOTS, in Aftronomy, dark Places, observed on the Disks or Faces of the Sun and Moon, See Sun and Moon. Disks or Faces of the Sun and Moon, See Sus and Moos. The Spear in the Sun are only visible through a Fledi-cope: Some driftinguish them into Magule or dark Spear, and Faculae or beight Spear; but there feems little Founda-tion for any such Division. See MACOUR and FACULE. The Sides Spore have not been long obterved. They are very changeable, as to Number, Form, 85c. are formetimes in a Multivade and forecircum-

in a Multitude, and fomerimes none at all.

in a Maintande, and Sementines some at all.

Some imagine bety may become in ounerous, as to his the whole Pace of the Sun, as leaft the gestell pare of its done with, afterine when Patients else, with. That in the dark of this, afterine when Patients all the semential that the delication of the semential part of the patients and obliven, that one might look fleadily at it with the national Eye, See Ect. 128.

To which Eyelfer adds, That in 1444, the Sun appeared recognition when the week through a three Mirity and become of the semential part of the semential part of the semential part of the Sun and the semential part of the Sun Andrew of the Sun And

Moties, in manner of Creats, form'd like the Sewans on the Surface of Lugores. See Surs. Some will have them the Shadows of the Mountain, or uncrear Places of the Mossifi, Body jub their Conflancy differed this Capinion. The more general and probable Opinion is, That the Open in the Moss as Seas, Lakes, Mountain, Sir which abstrainty Flar of the San's Rays reflect the fewer to us 5 to 20 to paper in freal of dark Syrs with Mercas the earthy Plare, by reason of right of dark \$500?: Whereas the earthy Parts, by realson of their Solidity, reflect all their Light, and thas appear perfectly bright. M. Haviforker has another Opinion, and takes the \$500 in the Moon, many of them at least, for Forcils, Groves, \$50. the Leaves and Branches whereof, intercept in Rays reflected from the Ground, and fand them elfewhere. The Aftronomers reckon about 48 Sports on the Mosel's ace; to each whereof, they have given Names. The 21st Face; to each whereof, they have given Names, is one of the most considerable, and is called Tycho

Planetary Spors: Aftronomers find that the Planets at not without their Spars, Justier, Mars and Venus, when viewed through a Telefope, flew feveral very remarkable ones; and it is by the Motion of the Spars, that we co-clude the Rotation of the Planets round their Axes, in the

fame Manner as that of the Sun is deduced from the Metion of his Macule. See Planer, Sun, &c. SPOUT, or Water-SPOUT, in Natural History, an ex-SPOUT, or Water-SPOUT; in Natural History, internandinary Mecco, or Appearance, as Sea, and fomesizes at Land, very dangerous to Ships, 5%, ofteneft observed in bot, dry Weather; call'd by the Latins, Typhes, and Sphes, by the French, Trompe, 6%, See Marxon.

Its first Appearance is in form of a deep Cloud, the upper Part whereof is White, and the lower Black. From the

jover Part of this Good Image, or rather fills down, Weit we proporty cell the Spine, in nature of a Consid Take, we proporty cell the Spine, in nature of a Consid Take, and the Spine of 
perpondicules or chilque Line. The state of the control of the Children expect the first, both appearing all of a facion appear the first, both appearing all of a facion of the Children expect the first, both appearing all of a facion the Sea to a grant Height, without any Appearance of System of the Sea to a grant Height, without any Appearance of System of the control of the state of the season of the s

M. of a Typer, from a near Obstreasing of two or three Special Technique Activation in the Wingstein Land Technique and Technique and Technique and Technique and Consol by courtery Winds, nearing in a firm or Granter of Consol by courtery Winds, nearing in a firm or Granter and the Consol by Consol and Technique and the Consol and Technique and Indian Serve Grant and Technique and Indian Serve Grant and Technique and T M. de la Pyme, from a near Observation of two or t

Pogneti i movid dowly over a Grove of 'Irea, which here under i tilke Winds in celevated Monte, Proceeding, i we made it tilke Winds in celevated Monte, Proceeding, i we can offer the state of the sta

fifty of water they have gutteen; which my his weighn in-peding their Mutian, whereon their Force, and even Exiftence, depends, they break and let go their Contents; which affed to prove faral to whatever is found underneath.

powe faral tow hatewer is found underment.

A notable intance beroof, we have in the "Philosophical
From Jelliam," related by Dr. Richeroffin. A Spartn 1718.

From Jelliam, related by Dr. Richeroffin. A Spartn 1718.

The part of the property of the prope tailed on either fide in vaft Heaps

Tailed on either fiele in with Helps.

In Pliny's Time, the Scamen used to pour Vinegar into the Sea, to affuage and lay the Spour, when it approached them:
Our Modern Scamen think to keep it off, by making a Noift with filing and Stratching violently on the Deck; or, by difficult with filing and Stratching violently on the Deck; or, by difficult

charging great Guns to differfe it.

SPRING, in Natural Hiftory, a Fountain or Source of
Living Water ariting out of the Ground. See WATER. The Origin of Springs or Fountains, is a Thing much con-

The Origin of Springs of Fountains, is a Thing much con-towerted among our lated Naturalitis.

Mcflicurs Mariatte and Perratult affeithe it to Rains. Their
Doctrine it, That the Rain-water ponentates the Earth till
flush time as it meets a Claysy Soil or Stratum; which pro-ving a fufficient folid Bortom, to fulfatio and floy their De-form them fulfied. focut, they glide along it that way to which the Earth de-clines, till they meet with a Place or Aperture in the Surface of the Earth, through which they may escape, and make the Hend of a River. See STRATUM.

Now, that the Rain is sufficient for this Effect, appears

Date that upon calculating the Quantity of Rainand Smith that filly yearly on the Track of Ground, that is to friendly that filly yearly on the Track of Ground, that is to friendly decision to the up approveme feeth per in famely, that River decision that the producent feeth per in facility of the state of Monnaius - The Ration, by they, if that Monnaius collect the most Waters, and give them the general period of the contract of the state of

inne fie Springs on high Grounds, and even un the Tops of Momentian; it impaired be recognit from other remoter Places, confidently higher, change on helself Clay or claiming Ground, Valley between a Momentia, on whole IT for it is Triping and the Momentia that is no familit it with Water, the Springs must be local of an as Water concluded from a Reference of a con-tract of the Clay of the Clay of the Clay of the Clay of the Third Theory M. As I Harr his takes under Examination, in it most definal Article, and that where the Authors from no laws been the Jan definition.

He has endeavourd to find, by Experiment, whether Rain or Snow-water could penetrate the Earth as low as the clayey Stratum: The Refult of his Inquiry, is, That they don't pene-trate even 16 linches deep, in a Quantity fufficient to form the finallest Collection of Water on a Solid Bottom. Nay, this he found when the Earth he made his Experiment on, was quite naked of all Herbs and Plants; but affoon as ever any quite naked of all Herbs and Plants; but affoon as ever any of these came up, and were grown to any Bulk, 66 far was the Rain that fell, from being able to gather itself at the Depth of 16 Inches, that it was not fulficient even to feed the Plants, but there was a Neceffity for warring them. For the Quantity of Water expended in the ordinary Support of Plants; fee VEGETATION.

fee V-to's x-rose. The Delight of Springs marriy to V-spanse, but Hall Delight of Springs marriy to V-spanse, but Hall Delight of Springs marriy to V-spanse, the Sea, Labes, Rivers, Gif. Thefe V-sprone, the resid, the Sea, Labes, Rivers, Gif. The V-spanse married to the property of the Windac, carried out the Low-India, as the sea compelled, by the Stream of Air, to money are not a close, to the Urps, where the Atmosphare being very nor and cold, to the Cross of the Armosphare being very nor and cold. The Compelled Colored Color

Vallisi or Gess between the Ridges of the Hills, and at imple shuting, form Resulter, and many of their eneering in many harding, form of the theorem in the contraction of further Now, to flow that Vapour is a fulficient Fund, to further an orally of the contraction of the contraction of the Hills of the Contraction of the Contraction of the the San, by the Addison of this Sant The Results of an Ex-periment is made to the Purpole way. That the Talkering of Wester evoyument from the Santie of the Soc, in the of white evoyument from the Santie of the Soc, in the of the Contraction of the Santie of the Soc, in the of the Contraction of the Santie of the Santie of the of an Inch, which for the Ridge of Collection, being only furpoided in the 2s s the Chamitry of s s, of an Inch with the furnee will be found to concept, in a 1 plannee of a 12 found of a 12 found to furnee will be found to concept, in a 1 found of a 12 found of a 1 tount exhibit in 11 Hours. On this Frinciple, every Mills figure will be found to evaporate, in 12 Hours, 69 14 Tum of Water, and every figure Degree, Thirty-three Millions of Tuns. The Area of the Maintertement then being effitmated at 160 Square Degree, it will lofe in Vapour, in a Summer's DNy 3280 Millions of Tuns.

Yet the Quantity of Vapour that raifed, great as it is, is only the Rensains of what is rais'd another Way, viz. by the Winds, which fometimes fweep the Water off, failer than the Sun takes it up.

To find now, the Quancity of Water the Mediterraneasis

receives, allow the most confiderable Rivers it receives, etc. the Iberus, Rhoue, Tyber, Po, Danube, Neißer, Borifibenes, Tanais and the Nile, each to furnish Ten Times as much Water as the Thames; not that any of them are, in reality, fo great, but fo to allow for the leffer Rivulets: But the Thames is but to reallow for the letter Kivulens: But the Y DEMANS is found, by Calculation, to veracuate 20200000 Tuns of Water daily. All the Nine Rivers abovementioned, therefore, will only exacasts 1827 Millions of Tune in a Day, which is little more than a Third of what is rais'd in that Time in Vapour. See VAPOUR,

After all that can be faid in Pavour, both of Rain and Vapour, it must be owned, they are both still press'd with great Difficulties; and there is still Room to look out for a

better Theory,

The Pengyler, of divers givings, always yielding the final
The Pengyler, when belief fixed not virgous is sinclude,
as well as when the greated, is a flowed Objection to both.

My Derbans mentions one in his own Parifi to Expension,
which he could never preceive by his Eye to be diministricly
which he could never preceive by his Eye to be diministricly
which he could never preceive by his Eye to be diministricly
country, as well as an adjoining Brook, have been day for
fereral Mounta together; nor ever to be inversifed to the most
arrive Section, executing prehaps, for a few Hours, or at most
further control of the preceived prehaps, for a few Hours, or at most

for a Day, from fielden and violent Rains. Had this Spring in Origin from Rain or Vapour, there would be found an Increae and Decreefs or its Water, corresponding to those of its Causes; as we actually into Inlant comporary Springs have undoubtedly their Rife from Rain and Vapour; as have undenbredly turn Kine from Run and Vipouri Add to this, assort confiderable Ultimg in the Opposite Syring, and Tourished or others, care. That is breakt out more failures in the Condicition of the Vipouro of Repuipo the Coulds, than the lower Lands about in have. The very highelf Ground in the County, he find as not above the Vipouro of Repuipous the County, he find as not above the Vipouro of Repuipous of the County, he find as not above the Vipouro, first containing the condicionate of Vipouro, first containing the condicionation of Vipouro, first containing the County, to the materiane all the Countries and Kiviteles first, have Repuis of the Vipouro, first containing all the Vipouro of 
Other Naturalists, therefore, have Recourse to the Sea, and derive the Origin of Springs immediately theore; but how the Sea-water thould be rais'd op to the Surface of our Earth, and even to the Tops of the Mountains, is a Difficulty

they can't agree upon.

Some fancy a kind of hollow, fubterranean Rocks to receive the watery Vapours from the Bottom of the Earth, and ceive the watery Vaponer brum he Bottom or the Lurm, and or aft the Eure Aftenbirs, in condensing and converting or after the Eure Aftenbirs, in condensing and converting the Nicceilly of Alembirch, and think it enough that tiere be large fuberranean Reference of Water at the Height of the Stea, wheteve the Wannh of the Bottom of the Eurth or even the central Fire (if there he loads a Taing) may raife Vaponar, which pervading not only the Intervals and of the Control of the Control of the Control of the Control of Control of the Control of the Control of the Control of Control of the generies of the original but the Booles of the Strata them-felves, at length arrive near the Surface, where, being con-dended by the Cold, they glide along on the first Bed of Clays they neet withal, 'ell and Apertore in the Ground lets them out. M. do let Hire adds, 'That the Salis of Stones and Marcelle may consider.

cat. M. de le Here adds, That the Salu of Stones and Mineral may combine to the cleating and fixing the Vaguars, and the camering them time Warer. Way of Ex-bility and the camering them time Warer. Way of Ex-bility and the Combine of the Seaware or pive Minomins, VE-by putning a Iritle Heap of Sand, Affres, a Load of Brend, or the Richard of Sand and Sand and Sand and Sand of Warter the Sea about it. Here, the Warer in the Estim will rife to, or easy, re I poof fire Heap, it the fame Dalmers, and from the finer Principle, as tree Water of the Sea, Lakes, GS. lets, the fame with that of the Afcent of Liquids in Capillary Tubes, or between contiguous Planes, or in a Tube fill'd with Afties; all which are now generally accounted for from the Dockrine of Astrocline; ice ASENT, CAPILLARY, AT-TRACTION, ES.

SPRING, in Cosmography, one of the Scasous of the Xear; communities, is the Northern Parts of the World, on the Day the Sun enters the First Degree of Arie, which is about the 10th Day of March, and ending when the Sun

is about the 10th Day of Jennies, and leaves Geometri. See Season. Or, more firstly, and generally, the Spring begins on the Day, when the Dithaneo of the Sun's Merddian Altitude from the Zenith, being on the Increasing Hand, is at a Medium the Zenith, being on the Increasing Hand, is at a Medium. coincides with the Beginning of Summer. See Summer.

Spring in Physicks, a natural Faculty, or Endeavour. Bedies have of returning to their first State, after having been vicently put out of the faore, by compressing, bending them, or the like: This Faculty the Philosophers utually

them, or the like: I'm: Faculty the Philotophers insulty call the Bofiet Pavo, or Elifation? See Eleastric.

Fleat only jump to thole executive Heights, by means of a Springy Membrane, easily visible by a Bitterofocpe, and whereof we have a certicus Figure in Dr. Hock's Micrography. By the elastic Force of this Spring, they are enabled to leap 200 times the Height of their own Body. See

Fig. 8.

Name has provide for the regular going of the Section Name has provided for the regular going of the Section of Section of the Section of Section of the Section of Secti

your it makes to unbend itfelf. up waternes, tis a fine Piece of well-beaten Steel, coil'd up in a cylindrical Cafe or Frame, which by firetching itself forth, por she Wheels and the whole Movement in Motion, See WATCH.

The Spring of a Lock, Fiftel or the like, is a Piece of Steel violently bent, which beats back the Bolt, or firthes down the Cock, when fet at Liberty. See Lock,

STRING of the Air, or its Elaftick Force. See AIR and STICITY Sering a Mast; fo the Seamen call it, when a Mast is

crack'd, but not quite broken in any Part. Sering-Tide, is the increaling of a Tide after a dead

Spr. 110-7166, is the increaling of a Time after a dead Neip. Sec Time. The Spring-Times happen about Three Days before the Full or Change of the Moon; but the Top or Highelf of the Spring-Tides, is three Days after the Full or Change: then the Water runs highest with the Flood, and lowest with the the Water fulls signer; with the Frood, and cower with the Etb, and the Titler run more throng and fwift, than in the Neipe. See Neip, Flex, Ess, 25c. SPRINGE, a Seare or Device made of rwifted Wire, to catch Birds or final Beath.

SPRINGY, or elastic Bodies, are fuch, as having had their Figure changed by the Stroke or Percussion of another Body, can recover again their former Figure; which Bodies that are not Elastic, will not do. Thus if a Piece of Stee be bent any way, it will recover again its former Straitnels; but a Piece of Lead will shand bent in any Form. See

ELASTIC Bolies.

SPUNGE or SPONGE, a kind of Sea-Fungus or Mushroum found adhering to Rocks, Shells, &c. on the Sea-

fhore. See MUSHROOM.

The Ancients diffinguish'd two Kinds, Male and Female: But the Moderos make only one Kind; which, however, they diffinguish with regard to to its Texture, into Confe and Fine.

The Naturalifts have been embarafe'd in all Ages, whether to range Spanges in the Animal, Mineral or Vegeta-ble Family. Some wou'd have it a Concretion form'd of the Sea-mud and others an Animal, from its Motion of Con-traction and Dilaration.

The greatest Part of our Spanges are brought from the Mediterranean, though there are considerable Quantities from Viceria, an Island on the Coast of Mia.

The Diving or Fifting for Springer is there reckoned the top Quantities from Viceria, an Island on the Coast of Jiffe.

The Diving or Fifting for Springer is there reckoned the top Qualification in the Youth, who all get the better Wive as they excel more herein. To this Proof, the Maide refer the Preference among feveral Snirors, placing themselves on the Brink of the Sea, to be Witterfies of the Address of the Address of the Address of the Address of the San Orders of the Coast o each; and giving themselves as a Prize to the Conquerer, See Diving

The fine or finall Spanges are the most eftern'd; and usually come to us from Confiantinople. Their Goodnels confilts in their being very white, light, and the Holes small and close ; the larger and coarser come from the Coasts of

and close 3 the target and counter come trom the Coans of Barbary, particularly Timis and Algier.

The Symage is a very affeit Matter in the Atts. In Phy-fic it ferves to foment Parts inflamed. By Analysis, it yields a deal of volatile, fharp Salts, like other Sea-Plants, Taken inwardly it chooks; and is for that Reason cut finall, Taken inwarelly it choaks; and is for that Reason cut final, and fried or dipt in Honey, and given to Quadrupeds to kill them, which it feldom falls to do, by fwelling and preventing the Patlage of the Food into the luteflines.

In Spanges are found a kind of Stones call'd Combonlisters, below the Combon of the Worms in young Children, and taken in Powder.

Pyrotechnical Spunces, are made of the Mushrooms or fungous Excrefeences growing on old Oaks, Afters, Firs, &c. which being boil'd in common Water, tien

After, Pirs, On which come court in common water, and dred and well beaten, are put in a firing Lye, prepared with Sali-peter, and again dried in an Oven. These make the black Match or Tinder brought from Germany, used to receive and fullain the Fire struck from a

THE MADE, uted to receive and fulfain the Fire Struck from a Fint and Steel, Sec.

SPENCE, in Gunnery, a Rammer or Staff, with a Pice of Sneep or Lambakin about its End3 to serve for scooned of great Guns when discharged, e'er they be charged with fresh Powder. See Charge.

SPUNGING, in Gunnery, the cleating a Gun's Infelt with a Spinge, in order to prevent any Pares of Fice from remaining in her; which would endanger the Life of his, who should load her again. See Gun.

who flouid todd ner again, ose Gun. SPUN-20rn, among Sailors, the 22rm of untwifted Rops, whole Ends are feraped and beaten thin, in order to belt into the Ends of other Ropes, and fo made Iong as Occasion shall require.

SPUR, was anciently a Piece of the Armour of a Cavalier,

SPUK, was anciently a Piece of the Armour of a Cassiste, fatfield to the Talary, that is, the hind of that Part of the compleat Armour which cover'd the Legs and Peet. At prefent, the Spur is a Piece of Iron or other Metal, confifting of two Branches incompating the Cavalier's Metal,

confifting of two Branches incompatiting the Cavalier's Heel, and a Rowel in form of a Star, advancing our behind to prick the Hori

Louis le Desonnaire forbad Ecclesiasticks the profant ashion of wearing Spurs. Anciently the Difference between the Knight and Esquie

was, that the Knight were gilt Spurs, whence the Apption of Eques Auratus, and the Squire filver'd ones. KNIOHT and Esquire.

The Word is derived from the German, Sparen or Spare.

St URIOUS-

SPURIOUS Diffenfes, are fuch as in fome Symptoms can not be brought under any diffinct Head, and therefore are call'd by the Name of fome, with which they most agree; and hence, also, they are often denominated Bastards, Noth; as a Sparious or bestard Pleurify, a bastard Quinty, and the

a [perfects or logitary Plearity, a logitary Quanty, and the like. See Pleaveley, C. SPURIOUS Field, among Anatomitis, that which is of a Conditation quite different from all the reft; as the Figs of the Lips, Gums, Glans, Sc. See Flessi, Gums, Gelans, Esc.

Sec. SPUR. Way, a Horfe-way through a Man's Grounds, through which one may ride, by Right of Cufforn. SPUTUM, in Medicine, Ec. the Spittle, or Excrement voided at the Month. Sec Saliva.

An Examen of the Spatter, is of great Confequence in Phthifical Cafes; and Benner, in his Theatrenn Tabidorum, applies himself in a particular Manner thereto. See Phymisis.

The Spatum Suggistis, is a very dangerous Symptom in that Diffase.

that Directle.

SPY, a Person paid to watch the Astrons, Motions, &c.
of another; particularly as to what passes in an Army.

When a Spy is found in a Camp, he is immediately hanged.

Micompter Hay, an Emissished is an Honourchile Spy,
under Protection of the Law of Nations. See Emissander.

Henopyter, thy, in Tunismicor is a homosembody, and the second of the se

Mes, according to the General Pleefure, the Strength of the It shally conflict of their Troops, each of Fifty Mes, and it series exceed Two hundred; beaute a greater Number can be a strength of the Strength

RAL, EQUIANOULAR, &c.

To find the Area of a Square: Seek the Length of one Side;
multiply this by itfelf; the Product is the Area of the

Thus, if the Length of a Side be 345, the Area will be 119025: And if the Side of a Square be 10; the Area will

be 100.

Since, then, a Decempeda contains 10 Feet, a Foot 10 Digits, ifc. a figurer Decempeda contains 100 figurer Feet, a figurer Foot 10 figurer Feet, and figurer Feet 10 figurer Feet, and figurer Feet 10 figurer Feet 1

DIAGONAL, &C. Fer the Ratio of Squares; they are to each other in a du-plicate Ratio of their Sides. E.gr. a Square whose Side is double another, is quadruple the Square of the fingle Side.

## SQUARE of the Cube SQUARE of the Surdefelid } See Power.

SQUARE Number, the Product of a Number multiplied by ittelf: Thus 4, the Product of 2 multiplied by 2; or 16 the Product of 4 multiplied by 4, are Square Numbers. See Numbers.

Soe NUMBER.

Such Number is called a Source Number, because it may be ranged into the Form of a Square, by making the Root, or Factor the Side of the Square. See Root.

The Difference of Two Square Numbers, whose Roots are not Unity, is an uneven Number, equal to double

are not Unity, is an uneven Number the Root of the lefs, increas'd by Unity. Hence we have an easy Method of constructing Square Num bers for a Number of Roots procteding in the natural Series;

the double of the Root of the Amecodent increased by Unicy, the double of the Root of the Amecodent increased by Unicy, the Root of the Ro

Roor. Thus the Number 2, being that by whofe Multiplication into itself, the Square Number 4 is produced 5 is, in refpect hereof, called 2, square Roor, or the Square Roor, 6 is the Root to the Square Root, 60 is the Root to the Square Root, 60 is the Root to the Square Number 4 the Root to its 2 mean Proportional country and the Square Number. The Root Root Unity and the Square Number.

A Square Root confliting of 2 Parts, is call'd a Binomial; 20+4. See BINOMIAL.

If it confilts of Three, a Trinomial, as 6+2+t. See

TRINOMIAL.

TRINGMIAL.

Now, every Square Number of a Binomial Root, is demonstrated to be compounded of the Square of the first Part, the Product of double the first into the second, and of the Square of the other Part.

To entrail the Square Ross out of any given Number; for Extraction of Rosts.

Square, is also an Instrument made of Wood or Metal, ng to describe and measure Right Angles withal; such

A EF. (Tab. Geometry Fig. 42.).
It confilts of two Rules or Branches faften'd perpendicularly one of their Extremes. When the two Branches are move-sle on a Joint, it is call'd a Bevel. See Bever. at one of their Extremes

To examine whether or no a Square be exact, defcribe a To examine whether or no a Syttere be exact, deferribe a Semi-circle A EF, of any Length, at Pleatine; and therein, from each Extreme of the Disnuters A and F, draw Right Lines to a Point taken at Pleatine in the Periphery, as E: To the Sides of the Angle A ER, apply the Sytters, to as its Vertex may fall on F. If this be positive, that Sytems is

Geometrical Squars, a Compartment frequently added on the Face of the Quadrant, called allo Line of Shadows and the Face of the Quadrant, caucat and Line of Occasions and Syndrint. See Quadrant. The Quadrant of Magic Square. See Madic Square.

Square Battle, or Battalise of Men, is one that bath an equal Number of Men in Rank and File. See Battleton.

To form any Number of Men into a Square Battle, as fup-

To form say Number of Men into a Square Bankle, as fuj-pole 500, extend the neutral Square Rocco of 500, which is professional to the same state of 100 km seek. The Runk and File. There will be a Remainder of 16 Men, who may be difficed of a the Commander thinks left. Squares Endow, or holders Squares, in the Siliancy Art; Middle, for the Colones, Drama and Benggers fixed and correct by the Fixe every way, to keep off Horfe. SQUILLIFICE See Sciences. SQUILLIFE See Sciences.

Angina, and by us, popularly Quincy, a Difeate which flops the Freedom of Respiration and Deglutition. See RESPIRATION. Precious of Refigiution and Displittion. See Restrict Two.
The Sprintery countlis in an Inflammation of the Thomaty
and particularly of the Matches of the Latynes or Pharyas,
and particularly of the Matches of the Latynes or Pharyas,
from politing in add out of the Trackes, and the Food from
being fiveliated and conveyd into the Stomach.
The Sprintery is dividualion zero and Eprinter; the trans
of Pharyas in Carlo Stomach on the Stomach of the Stomach of the Sprintery in the Stomach of the Sprintery 
See ANGINA

The Word is form'd from the Greek and you, to Sufficiate.
The Squinancy is of all others the most dangerous, when the The Systimanes is of all others the most dangerous, when the Tumour is active preceivable on the infide nor the out. That appearing on the outfide is the most carable. In violent Systimanese, recourse finould be had to Laryngoromy or Broachosomy, which though rarely practified, may yet be used with Safety. See Larknovorow, 156.

SQUINTING. See Synamisseus.

ST, an indeclinable Term, chiefly ufed to command Silence.

See SILENCE. The Ramons had thefe two Characters wrote over the Doors of their Eating Rooms, as who should say Sed tace, or Silen-

titon tene Porphyry observes, the Ancients made a Point of Religion it, not to speak a single Word in passing in or our of

the Hoors, "STABLE-Owned, in the Foreft Law, is when a Perion is found at his Stand in the Foreft, with a Coofs-How, or Long-Bow, ready to fine thanding clock by a Tree with Grey-hounds ready to flip: It is one of the Four

Evidences or Prefumptions, by which a Man is convilted of intending to fined the King's Deery the other Three being Bast-berrord, History-band, and Dagdews. See forsour; between the Good of the Control 
We have none of it now, but what is (ophifficated; and what the Apothecaries call Statle, is no more than liquid

what the Appeleomies call Scale is no more than fiquid STAMHOUDER, STADHHOLDER, STADHHOLDER, STAMHOUDER, STADHHOLDER, STADHHOLDER, STADHOLDER, STADH

In feveral Cities, he has the fame Right, with regard to the Bourgher-maifters and Counfellors; as at Rotterdow, Dort, &c. He has alfo a Right to Caffror the Magistrates, and put others in their Room, when he finds it necessary for the

put others in their Room, when he finds it necessary for the public Good; upon giving a Reafon for the fame. By Article VI. of the Union of *Utreets*, the States con-flitute him Arbiter of all the Differences that may arife betwom the States of the feveral Provinces; or between the Cities and the Members of the States of the Province. To Clific and the Members of the States of the Prevince. To the Dignity of Stadebider, is indepently annexed, that of Captin and Admiral General of the Province; in which Quality, he names all the Obsers, and dispose of all the Military Clarges. The he, takes care of the Execution of the Ordinances of the States; and his Authority gives him a Right to receive and hear Embaltidous from foreign Princes, and even to find Embaltidous on his own privace Af-

The Office of Stadebolder is very Ancient: The Counts not being able to refide in Holland, appointed Stadthelders to command in their Abfence, in the feveral Provinces; betides a Governor General of all the Seventeen Provinces of the

William I. Prince of Orange, was Stadthelder of Holland and Zeelond, at the Time when the Dutch shook off the Standb Yook; which enabled him to contribute greatly to that happen Event.

that happen hiers.
In 1567, the Street thought fit to suppress the Office of
Statistically, by Edick; and refored it should never be confeed on any Perform for the future, but in 1672, Williams III,
Prince of Orange, astrewards King of England, being elected
Coppain and Admiral General by the States; from Months
afterwards, they revoked the Edick of Suppression in Lawre
Late Prince, who was declared Estrationsy Statistically as as Hothat Prince, who was declared Estrationsy Statistically as as Honour never confer'd before.

nour never cooler'd before.

Menage devives the Word from Stat, State, and Fourder, bolding, q. d. Lieutenant of the States; but he is mithaken in the Erymology: The Word being compounded of Mad or State, Place, and Fander, holding, in regard the Governor held the Place of the Counts, and repetiented them in their held the Place of the Counts, and repetiented them in their

STADIUM, an ancient Greek long Meafure, containing 125 Geometrical Paces, or 625 Fort; corresponding to our Furlang. See FURLIONG.

Eight of them make a Geometrical or Italian Mile; and 20, according to M. Dacier, a French League; according to

20, averening to Nr. Waster, a French League; according to others 14 mike the League.

Guillative compares that the Stadium was only 600 Athenion Feet, which amount to 566 French Royal Feet, or 604 Englis Fort; to that the Stadium should only have been 113 Geometrical Paces.

113 Geometrical Paces, I hat the Sadium was different in different Times and Places. See Measure.
The Word is found from the Greek, eden, Section 3 and, 'is faid, on this Octofon, that Hercules, after running fo fair at one Breath, flood fill.
The Greeks modifered all their Diffances by Stadia, which

they call'd sadragen.

STADIOM was also the Course or Career, wherein the Greeks run their Races. See GYMNASIUM. Virrovius deferibes it as an open Space 125 Paces long, terminated at the two Extremes with two Polts, called Career and Meta.

Along it was an Amphitheatre, where the Spectators were to fee the Athlete Exercise, Running, Wrestling,

There were Stala likewife, covered over, and encom-passed with Colomades and Portices, serving for the same Exercises in ill Weather. Captive Children used to run the Seedown, Ablanc

A more natural Derivation of the Word Statium, from stars, or Statio, than that popular one mentioned in the last Article, is drawn from the Athlete ftopping and reling, when at the End of this Courfe: Whence the Name might be applied to the fame Diffance, measured in any other

STAFF, an Inframent ordinarily ufed to reft on, in

should commissed them. The Steff is a kind of natural The Steff is all of frequently ufed, as a kind of natural Weapon, both of Officine and Defence. The Lacademousium enever wore any Swords in Time of Peace; but contented themselves with a thick, crooked Staff, which was peculiar to them. Among the Romania, INT. S. Extraoresis of offerers, Blows with a Staff were the gentleft Correction they gave their Slaves; lantiment as they received them over their their Slaves; lantiment as they received them over their Cloaths.

Among the Masters of Honour and Arms, 'tis held a greater Affront to be beaten with a Stoff than with a Sword; because the Sword is the Instrument of War, the Staff the

because the Sword is the Instrument of War, the Staff the Instrument of Outrage.

Blows with a Staff are very severily possified by the French Laws: By a Regulation of the Marthals of Fronce, in 1643, for Reparations and Satisfactions of Honour, 'tis adjudged, That a Person who shall strike another with a Staff, shall be impritted a whole Year; puries Sax Months Sigf, Thall be Imprified a whole Year; suries Sr. Mooths be moderated, gen paying 400 of Liver, a pipicable to the moderated, gen paying 400 of Liver, a pipicable to the result of the paying the strength of the paying th ftrack first with the Fish

Postoral State See Casses.
Augurel State See Littus.
Radius Astronomicus.

STARR, in Mufic, five Lines, on which, with the inter-mediate Spaces, the Notes of any Song or Piece of Mufic are mark'd. See Music.

mental objects, out on any song of each or name facility of the property of th

ino, &c.

130, 35°, in Servinja, kind d'àmal, whereas on mout Syray, in Servinja, kind d'àmal, whereas on mout Syray, in Servinja, kind d'àmal, whereas on insur Use, l'acutilité of Three Legs of Wood, pipel nogother at one Ead, whereas the Infirmmet is placei, and made peeded as the other, o ceare the Grand. It super Eadi SI'AGE, in the Modern Drauss, the Parc of Africa and SI'AGE, in the Modern Drauss, the Parc of Africa and Experimentaries, included between the First and the Securi-The Stope salvent to the "Projections or Turbifum of the threat Chatter. Some Theorem, Pararrens, Pacetter.

NIUM.
Laws of the STAGE, are the Rules and Decorums to be
observed, with regard to the Occonomy and Conduct of a
Deamatic Performance to be exhibited on the Stage. These
relate, principally, to the Unities, the Diffostion of the
Alba and Scenes, the Unravelling, &c. See Unity, Act,
Stage Contractions

Ads and Scenes, the Unraveuing, esc. one Unity Scenes, Catalana and Scenes, Catalana and Scenes, Catalana and Scenes, Catalana and Scenes, or STAIRS, in Building, the Stress whereby we affected and deficend, from one Story of a Houft to another. See Story.

The Dimensions of Stairs are differently assigned by Into Admiration of Matthe are differently slighted by different Androse in this however they agree, that they must not be more than Six, nor left than Four luches high; so one fets than 1,0 and fet than 1,0 lackes broad; a nor more than 16, nor left than 6 Four long, each Stair. But thick Measures that have only regard to fine Buildings, ordinary Hondes are excepted: Yet even in their, the Stairs are not to exceed Eight Checks in Height's nor left than Niche Inches in Breadth; a

por Three in Length.

To reduce the Dimentions of Stairs to fome natural, or at To reduce the Dimentions of Scient to Some nearest, or at leaft geometrical Sandre, Virturnate between the Properties at the Solden of a reclinique Triangle, which the action School expectful by the, Numbers, a, and a Jr. The fifth of the Solden September of the Solden September of the Solden September of the Solden 
Architects) must be but 5 ! Inches broad,
One Rule to be regarded in the making of Stairs, is, That they be laid according to the Italian Phrate, Can un tantino da Scarpa, i. e. fomewhat floping, or a little highest behind, that the Foot may, as it were, both ascend and descend at once; which, though observed by few, is found a secret and delicate Deception of the Pains in mounting.

STAIR-Caps, an Afcent included between Walls, or a Ballufrade, confliting of Stairs or Steps, with Landing-places and Ralls; ferving to make a Communication between the feveral Stories of a Houfe. See Stair.

The Conftruction of a complex Stair-Cafe, is one of the most curious Works in Architecture. The common Rules to

mod earnous Works in Archivelare. The common Rules to be observed threshy, are as follow; at That is have a stall, free Laghte to percent Arcidians of That is have a stall, free Laghte Space over Head be large and arry, when the Internat can be of Spage, and of Ventilation, in regard a Man Spread much Berath is mount-ing, at That is the Hallpeace, or Landing-place, be com-puted to the Common Common Common Common Com-lete Common Common Common Common Common Com-tract Common Common Common Common Common Common Com-tract Common Comm

as the Martinay occurrences, without replants of the Baldsing.

The Kinds of Stair-Cafes are various: In fame, the Stairs are fraight, others windings, in others both Ways, frome By Again, of fraight Stairs, called also Stay. Thought, other windings, the stairs, called also Stay. Thought, other called the stairs, called also Stay. Thought, other called the stairs, the stairs of the stairs of the stairs of the stairs of the stairs. The stair called also fixed or cachle Stairs, fome are Square, some Circular, or Philiatal. ene Elliptical.

And their again, are various; fome winding round a folid and others an open Newel

Laitly, of mise's Stairs, fome are call'd Dog-leg's: Others both wind about a folid Newel, and fly about a fquare, open Newel.

Stair-Cafes are of that Importance in Building, that we can't excuse the not giving a more particular Account of each

Sinsight Stains, then, are such as always fig, that is, proceed in a Right Line, and never wind, whence their De-

nomination. See FLYERS. nomination. See FLYERS.

Of the fe there are feveral Kinds; as \_\_\_\_\_Direct Flyers
or Flsin Flyers, which proceed directly from one Floor to
another, without turning either to the Right or Left; feldom sendars, without suring either to the Right or Left; fielden sind, except for Garter of Caller Johns.— Supera Figure and except for Garter of Caller Johns.— Supera Figure, we copes, having at every Corner of the Newel, a figure, had Garter had been concluded by the Carlot Caller Ca first Flight.

first Fight.

Writing 7x, 11st, are fuch as always critic, and sever fly:

Of their there is great for four Kinds, vice, restrict and an adverted for the first first for the first Kinds, vice, fish as wind about a tolial Newsl, the first Edge of each bring in a Right Lose, pointing to the Centre of the Newel; a commonly and Lose, pointing to the Centre of the Newel; a commonly and the Newel, the Fore fide of each being in a right Lise, pointing to the Centre of the Newel, as thole in the Manuscett, Lenten. Such as wind come of Selfo Newel,

only the Fore-fide of each, an Arch of a Circle, either concave or convex, pointing near to the Circumference of the Newel. And fuch as refemble the laft, in all other respects, Newel. And Inch as refemble the laft, in all other refpects, fave that they have an open Newel. Any of these entaints Stairs take up lefs Room than any other Kind. In Stairs take up lefs Room than any other Kind. In Stairs that wind round a folid Newel, Architecth make the Diameter of the Newel citize I of A; bot of othat of the Stairs offe, according as that is in Bignetis. If very finall, the Newel is het. In all 51 learns.

Newel is but 1, and if large 2, 15c.

In Scairs that wind round an open Newel, Palladio orders
the Newel to be 1 the Drameter of the Scair-ease; though the Newel to be it the Damester of the State-gas; I thingly the tree does not appear any Realton why the Newel here thousid there does not appear any Realton why the Newel here thousid the state of the Nouther of State is good to be the Nouther of State is good to be the Nouther of State is good to be the State is go an open Newd. They are much of the fune Name as a fermion Sritz, expering that in the oce, the Newd is a fermion Sritz, expering that in the oce, the Newd is a fermion Sritz, expering the Control of the Newdown Sritz, and the New Palladio mentions a Stair-eafe in Pompey's Portice at Reme, for on Columns, fo, as that the Light they received from above, might distribute itself to all Parts alike. ——Double abore, might didrikute irieff on all Feire alike. — Deather worked Nature, Somessi enteriore a Surf-orf-orf-this Ferm, made by Pinters del Pinter, and Tean Golfa, as Scientific Pinters del Pinters, and Tean Golfa, as Scientific that the Control of the Control of the Control of that one Pirton, here worked, and the first control, as fall over more. Dr Gerow delections a Model of this kind of Scientific, New 1 and both mike a partial Atom, and within the time Cylinder. The Newell in the Visible in which the time Cylinder. The Newell in the Visible in Canadies taked at the Beston and on the Sixte of the hellow, and built with long Apertures, to convey a ugus traus. Candles placed at the Bottom and on the Sides of the Newel, into both Cafes. — Spacingle winning States, Phaladae mentions a State-affe of this Form, in the Caffle of Cambridge mear Billys. I condits of four desireaffs, carried progress of the Caffle of Cambridge and Caffle of the so that the People of the one need not go up and down the Stairs of the other; yet being open in the Middle, they all ice each other pais.

The care order pall.

Mist Starms, are fuch as partly fly, and partly wind;

Mist Starms, are fuch as partly fly, and partly wind;

whence fome call them Hypers and Winders. Of these there
are feveral Kinds, as, — Deg-feyd Sairrs, which fift fly

directly forwards, then wind a Semi-circle, and then fly

directly backwards, parallel to that. — Symmer Hypers and directly backwards, parallel to that. Symare Plyers and Winders, have a figure Newel, either Solid on open, and fly by the Sides of the Newel, winding a Quadran of a Circle at each Corner. Solid and open Newel? Plyers and Winders, are of two Kinds; the one winds a Quadrant of a Circle about a Solid Newel, then flues by the Side of a figure open Newel; then winds again, by the Side of a folid

figurer open Newel; then wind; agin, by the Side of a foldt Newel; then files agin, and fo alternate;). The other files first, then winds, and then files agin, alternately, STALACTIZE, or STAGONIZE, in outstand History, a fast of filesy, figury lifeles, which hing down from the Topes a rhete of foreste, Carros el affortraence Carrossia and from the Roof of the Buildings, and Capitals of the Buildings, and Capitals of the State of the Of this Kind, are the State of State of the State of the the Manus Herithaldelite, the History for the State of the he Manus Herithaldelite, the History for the State of the Stat

cum , the Minera Ferri-flalactica, the Vitricium Capillare, the

comes the Allaura Everi-Induction, the Firnishum Capillare, the Firnishum Capillare, which incordates or line the Tops and Silles of Caree, Sfe. are manifolly formed of Excidentions or Excilitation of pertripoi places on of the neighborner Science of the Silles of the Silles of the Silles of the Hill, Mr. Zhechaus Intelles, might be formed by the Raine Stating through, and extrajing with in Imprepatation from the Silles of the Silles Deep key an impact the Silles of the Silles of the Silles of the Deep key an impact the Silles of the With a Silles that through to keep hair in a convenient

has Entralls taken out, and dried in dis O'ren, in his Feathers, with a Stick truit through to keep him in a convenient Pollute, may fevre as well as a live one. STALK, in Botany. SeeSyate of StALK, in Botany. SeeSyate of Stalk is diffinguished into fever set Kinds, etc. the Naked Stalk, which has no Leaves on Couled Stalk, that has Furrows or Ridge: # Hinged Stalk, which has Leaves on both Sides. Style Stalk, which in oft two ormore Colours, Ed. Colours, Ed.

STALKING.

STALKING, a Term of confiderable Import in Fowling; applied to a kind of Serten or Device to hide the Fowling applied to a kind of Serten or Device to hide the Fowling and must the Garac, while he general Kinda, etc. — A Salking Hodge, which is an artificial Hedge, two or three Yards iong, and a Yard and half high, made with final Wands, to be light and perable, yet builth don't like a real Hedge, with Stakes to Support it, while her Fowler takes his Aim,

his âim. Scaling Hopf, is an old Jade train dup for the Perpete, Scaling Hopf, is an old Jade train dup for the Perpete, which will greatly walk up and down as a lowed his re-hum, which will greatly support the perpetual properties of the Hopf, and the takes a limit from before the Perceptant of the Hopf, which is much better than Hopf could great for the Hopf, as which is the perpetual properties of the Hopf, as which is a limit of the Hopf, as which is a limit of the Hopf, as which is a large, and the Hopf, as which is a large, and the Hopf, as which is a large, and painted. In the Middle it is fail to a 50 Hipf, and the Four, to third them the Crossed while the South Hopf, as the Four, to third have the Crossed while the properties of the Hopf, and the Four, to third have the Crossed while the Hopf, and the Hopf,

Aim is raken.

Aim is raken.

For Change, when the Fowls begin to be nied to the Scalking Herje, and to know it, some Scalk with an Ox, Cow, Decro the like. Others use a Scalking Tree, and others a Scalking Bush.

Assimal Body, see the former control of the scale of STAMINA, in the Animal Body, are those simple, ori-inal Parts, which existed first in the Embryo, or even in the

gmai raris, which exitted hit is the Endoryo, of even in the Seed; and by whole Dillithichin, Augmentation and Accre-tion, by additional Juices, the human Body, at its utnoof Bulk is supposed to be formed. See Emmryo, Bory, &c. All that is effential to the Animal, are the Manning, which exist, in goog the rest being foreign, additional and even accidental.

The Stamina form to coincide with the Solids, which are

furprizingly fmall in Quantity. See SOLID.
The Word is Latin, and fignifies Threads.

STAMINA, in Botany, thois fine Threads or Capillaments growing up within the Flowers of Tulips, Lillies and most other Flowers, around the Style or Pistil. See Flowers and

Firstine Tops at an Commiss, gave both little Capibles or K. Chailly River, which is, "Gongler mixed states," when the Capible of the Chailly River which is, "General per mixed existence to the Chailly subsected M. Restaurer, who affirms as in the Memoirs of the Permi Readensy, but he could never discover any hipters on the Threads of the Phens Mermins, the property of the Chailly subsection of the Permi Readensy, but the Could not be unfolded. See Arlein.

In four cubialty Flowers, as the Noreign Digitals, 46.

In four cubialty Flowers, as the Noreign Capibles, 46.

M. Geoffroy observes the Stamins are exceedingly short; and in some Flowers there are no Stamins at all, as in the long Arifloschia, wherein the Apices are immediately fasten'd on compressions, wherein the Apiecs are immediately lattered on the Capillat, which indofes the Fruit, Is founce other Howers, as sholed Thittles, Lettice, Chicory, &c. the Apiecs are in-cloded in the Saramins a feveral of which usulting, form a little Take in Manner of a Scabbard, in the Indide whereof are the Apiecs, furnified with their Faring? The rest of the Cavity being raken up by the Pittli, which is a little Thread placed on the Embryoof the Seed.

bedig zicher up by the Phill, whofigh a little Thread placed on the EmBryon's Green Cont. 10 of the Samutes to be, as it were, to many executory Casals, for dicharging the growing Embryon of its reducted Palers, and of the Excension Embryon of its reducted Palers, and of the Excension Embryon of the Samutes of the Samutes and American Palers, and a shower former, align the Samutes as solder Us-Brand, Samutes of the Samutes and the Embryonic on Plants, and a shower former, align the Samutes as whether Us-Manner, analogous not that of almaling, attention the Use of the Samutes who to referree, in their fine capillary Casals, a Juice, Dadi, in the Tips of aplies; is thereon, when the Planta-rives at Marativy, dicharged, by the butting of the Apices, delicated into the Carrier, when the Planta-rives at Marativy, dicharged, by the butting of the Apices, defend into the Uterns, where being received, it impregnates and fecundifies the Plant.

and recuments use renar.

On this Prioriple, it may be faid, that the fame Flower contains both Sexes, which contribute each their Part to the Generation: That the Standings are the Male-part, and the Farring, which is always found of an oily, glutinous Nature, the feminal Liquiner, and that the Fiftili the Femile Part, which

rement Leguer; and that the fittil is the Pendle Part, which conducts the Sense to the Owe of Embryo's. See Generation of Pleast.
STAMINEOUS Floreers, among Botanitis, are fuch as are to far imperfect, as to want thoir colour'd Leaves, we call Pendle; and which only confift of the Stylus and the Stamina. See Floreers.

mina. See Frow 2.8.
Such Plants as bear these Stamissions Flowers, Mr. Ray
makes to constitute a large Grouss of Plants, which he calls
Herbe spice imperselful, spice operate, Staminosus. And these
he divides into such as,
Have their Fruit or Seed totally divided from the
Flower; which are such Plants as are taid to be of

different Sexes: The Reason of which is, that from the same Seed, some Plants shall arise with Flowers, and no Fruit; name occa, tome ranes shall arise with Flowers, and no Fruit; and one Fruit, and no Flowers. As Hops, Hemp, Sing, ing nettles, Spinach, Mccuralist and Phyllon.

2. Such as have their Fruit only a little disjoined from their Flowers; as the Ambrofa. Bardana Minor, Ricinze, and the Heliotropium Tricoccon.

2. Such as have their Fruit immediately contiguous, or

adhering to their Flower: And the Seed of theje adhering to their Flower: And the Seed of these 18 either.

I. Triangular , and of this Sort, some are lucid and shiring. I. Trienguar's and or this over, ione are outer and intensa as the Liquitum, Rhabarbarum, and Biftorta to which alia may be added the Perficaria: Others are rough and not flin-ing, as the Helborus Albus, Pegopyrum, Convolvalus Niger, and the Polygonum. 2. Such as have a roundfil Seed, 4, Intel flatted or competified, or of any other Figure but the former Triquetrous or Triangular one; and their have their Flower, or the Calyx of the Flower, adhering to the Bottem or Bafis of the Seed or Fruit; as the Potamogiton, Bitum Sylveffre, Parietaria, Atriplex, Blitom Sattvum, Ameran-thes, Hoclocerieus, and the Saxifraga Autea. 2. Such whose Flowers adhere to the Top of the Seed; as the Eeta, Afarum, Archimilla. And to these kind of Plants, Mr. Rey reduces also the Kaligeniculatum, Sedum Fraticolum, the Scoparia or Belvidere of the Italians,

Scopario of Belvioters of the Idahesis,
\$"1 AMP. See Fa. IN".
\$"EARITING Molls, or Knocking-Mill, an Engine used in
the Tim-works, to brails the Ore Intall. See Tim\$"EARITING DONS, in Building. See Punctures.
\$"EARITING DONS, in Building. See Punctures.
\$"EARITING DONS, in Building. See Punctures.
\$"EARITING DONS, building to the See Time Se

to the fame flody. See BANKER.

The Stander's and foll or my Delign of Horle; but must be the set of the see that the set of the set

SYMME.

SYMMMAN, in Commerce, the Original of a Weight, Measure or Coin, committed to the keeping of the Magistrate, or deposited in some publick Place, to regulate, adjust, and try the Weights of 60 by particular Persons in Traffick. See Measure, Wilson, 1864.

The Juitness of Weights and Measures, is of that Con-quence to the Security and good Order of Trade, that there mo civilized Nation but makes it a Part of their Policy to is m civilité Nation but makes it a l'art of their Policy to preferre the Equality thereof by means of Szendarás. The Roman and Jews even feem to have affixed a kind of reli-gious Worfflip to their Szendards, by laying them up in their Temples, as it were under the Eye of rheir Deirites. The Szendards of Weights and Mediaters in Deirites. The Szendards of Weights and Mediaters in Deirites, appointed by Migras Cheris, to be kept in the Exchapite, by a fpecial Officer, called the Celler of Comprehen of the

Market,

Matrick:
For Coins; the Standard of Gold Coin is 22 Carrats of fine Gold and 2 Carrats of Alby in the Found weight Troy; and the French, Spanifs and Flemiff Gold, are certy of the fame Finench. The Found Weight is cut into Forty-four Parts and a Half, each current for 21 Stullings. See GHINEA.

The Standard of Silver is 11 Ounces and two Penny-weight of Silver, and 18 Penny-weight of Alloy of Copper.

weight of Silver, and it Frensy-weight of Mitty of Copper, Whether Gold or Silver be above or below Streament, is found by allying. See Anasth, in Husbardty, are Tree, referred at the filling of Woods, be Growth for Timber. STANNARIES, are the Mines and Works, were Tim it adg and partied ja in Internatil, and Itelshere. See T18s.

There are four Courts of the Stammaries in Decompting.

and as many in Carmwall; and there are teveral Laws about, and Liberties granted to these Courts in several Acts of Parand Linewise granted to trace Courts in several Acts of Pla-liament, as in the Time of Edward I, and as abridged by Edward III, and in 17 Car. I. c. 15. STANZA, in Poetry, a certain regulated Number of grave Verfes, containing some perfect Sense, terminated with 13.1

a Reft The Word is Italian, and literally figuifies a Stand or Station, because of the Pause to be made at the end of each Stanza or compleat Sense.

What the Complex is in Songs, and the Strophe in Odes, the Stanza is in the greater and graver Pieces, as Epic Poems, Etc. See Courner and Strophe,

ESC. See Coppart and STROPHE, Indeed the Italians fearce write any Poems, but they divide then into Starzas. There are Starzas's of 4, 6, 8, 10, 12 Verfes, and Iometimes of an uneven Number of Verses.

as 5, 7, 8%. but thefe last are Janicowhat more difficult to execute, by reafts of the three Verles to one Rhime. The Friend-Bay it down as a Raile, That if the first Stance begin with a Mafectine or a Ferniante Verle, the Second is to begin and end with the farm. Every Stanza ought not only to contain a peried Serific, but to be terminated with some lively and ingoing our Thought, or fonce just and pertinent

Standard were first introduced from the Italian into the French Poetry, about the Year 1580, and thence transfer'd

Front Devery, about the Xue a root for the Judge and these transfers in the 15 gag, and these transfers in the 15 gag, and these transfers in the 15 gag and the 15 gag and the 15 gag and the 15 gag and 15 gag

See EAM.

The Stepte, is one of the Four little Bones failtened to the Tympateum of the Ear 5 first discovered and published, as Edisphira title as, by the Publish Bones, 1967, a Physician Charleston Stepteness of the Stepteness of the Stepteness Stepte

those Commodities. those Commounes.

Menage derives the Word from Staplus, which is found in
the Ripanry Laws, to fignify a Place where Julice is adminiffeed. Others derive it from the German, Stapel, or rather

Stapula, which Boxbernius derives further, from the German,

Sapelen, to put in a Heap.

Sarara also fignifies a City or Town, where Merchants jointly agree to carry certain Commodities, as Wooll, Cloth, Lead, Tin, &c. in order to their being commodionfly fold by Lead, Th

the Great.

In England, Staples were fettled and appointed, to be constitutely kept at Tark, Lincoln, Networdle upon Time, Nerweich, Wyffamigher, Conserving, Chichoffer, Winchelger, Exerter and Briffal; to which Places Merchanns and Traders were to easy Goods to tell in those Parts.

earry Goods to fill in thoft Parts.
The Angle Gammadistic of England, were chiefly Wood,
The Angle Gammadistic of England, were chiefly Wood,
The Principal Angle and the Company of the Company
The Principal Angle and we calling, are Anglendam for all
The Principal Angle and we calling, are Anglendam for all
the Battlet. Highing for those of the Wife Indias, Maddle
loany for French Wines, Dart for Rhenigh Wines and English
Collins for Principal Angles and Society
Collins for the Collador for Seath Methodisches, for

Cloth s, Forre in Zeland for Seatch Merchandines, Eff.
The Stephs in the Levans, all thy the Princh, Effectles
The Stephs in the Levans, all thy the Princh, Effectles
The Stephs in the Levans, and the Stephson
Market Rep God Willis Regalates and Margaines; and
whither they food Willis Regalates, and You's The principal
of these are Swayma, Seamonderia, Mappin, Spota, Cyprin,
of the Stephson
of the Stephson
Condition that Billing of the Arthophologo, See Tacroux,
STARA, in Altronomy, agencial Manc for all the heavenly
Bolles. See Heavens Physic.

The Stars are diffinguish'd, from the Phaenomena of their Motion, Sc. into Fix'd and Erratic.

Moston, Efe. into Fire's and Brratie.

Fratier createments of x-nax, are those whose Diffunces and Flaces, with regard to each other, are continually changing. These are what we properly call Education Dee Francis.

Fratier are the properly call Education Dee Francis.

Fratier Strate, and Blaining States or Guests. See Court.

Fire's Strate, call daile, by word Efficience, simply, Stray, are those which continually keep the fine Diffunce, with regard to each other.

Concerning the fix'd STARS.

The principal Points that have come under the Confideration of Aftronomers, are their Diffance, Magnitude, Number, Nature and Merion, Distance of the fix'd STARS.

The Fix'd Steer, are Bodies exceedingly remote from ns 3 for remote, that we have no Dillances in the Planetary Syltem Cocappare to them. See DistraNces.

Their immenfe Dillance is argued lene, That they have 20 effilight Parallise; that is, that the Dismeter of the Earth's Orbit bears no fenfible Primortion thereto; but they are fen very firm, in all the Points whereoff. Mr. Elamideat, indeed, forms to have discovered a finall Parallax : Sirius, e.gr.

he finds to have a Parallax of 20 Seconds, Admitting this

be finds to have a Phillike of a o Scorold. Admitting Pall, we have Date rounds be determine their Diffusor, a "thing hithrest ordering" of the Start Brazillas being had, and his most Diffusor for Start Brazillas being had, and his most Diffusor being 14377 Senil delineares of the Earth, the Diffusor of downs from the Earth will be found to \$34377-65 Senils of the Start Brazillas being the Start Brazillas being the Start Brazillas being the Start Brazillas Brazi

In this State he found the Sun's Diameter only ---- of his Di-ameter when feen with the naked Eye. Were the Sun's ameter when feen with the naked Eye. Were the Sanz Diffunce, then, 27664 times agreat so it it, it would be feen of the fame Diameter with Sirini; 6 that allowing Sirins to be equal in Magatinde with the San (which is a very reafortable Supportion) the Diffunce of Sirins from the Earth, and be found to be to that of the San from the Earth, as 27664.

On which Beinduck Civil will be exercised Service of the Contraction of the San from the Earth, as 27664.

be found too be to that of the San from the Earth, 8127662, to 1. On which Fraciple, Sirins will be 951005528 Semi-diameters dilient from the Earth, If it be upon, that thefe Methods are too precarious, to conclude any thing from them, yet this we can demonstrate, that the Sara are remoter than Sarawa; any, that they are wallly more remote than Sarawa; any, that they are wallly more remote than Sarawa; as Sarawa has a great Pa-rallax, and the Sarawa from the Sarawa and the Sarawa and Sarawa. Magnitude of the fix'd STARS.

Magainte of the first STARA.

The Magaintee of the first STARA, appear us be very uniformly which Difference rich, our from any directly in their Peron this Difference, the Carte Decound Children of the Carte Council Counc than the next Class, and therefore place them between the

Processes, for Inflance, which Ptoloney makes of the first Magnitude, and Tytche of the Second, Mr. Flamstead lays down as between the First and Second. Thus, instead of Six several Magnitudes, we have really

Six times Six.

Some Anthers lay it down, that the Sim's of the first Magnitude, are feen under an Angle of at least a Minate, but the Earth's Orbit feen from the phase Sixers, we have observed only subsends an Angle of 20 Seconds; and hence they conclude That the Diameter of the Sim's is vally greater than that of the Earth's whole Orbit.

The Latran wance within.

Now a Sphere, whole Semi-diameter only citials the Diffasce between the Sun and Earth, is Ten Millions of times greater than the Sun; confequently, the fix'd Stars must be much more than Ten Millions of times greater than

But here is a Missake; for the Diameters, even of the largest Stars viewed through a Telescope, which magnify, s.gr. 100 Times, subtend no sensible Angle at all, but are mere lucid Points.

The Stars are likewise distinguished, with regard to their

The Sorr are likewise distinguished, with regard to their Situation, into Highington Confederation, which are nothing has Affechalpses of tested mighbouring Start, confider 2 as a decimal, Sorr and demonstrated between 1 as 1 as a formed, see a superior of the sort of t

Number of the STARS.

The Number of Stars is valify great, ghout infinite; yet have Aliteratures long say, afternind the Number of their have Aliteratures long say, afternind the Number of their was a fine of the same than the first three same and the same three same and the same three same and the 
were reduced into 48 Conffeliations, and he laid it down, that if there fometiones appeared more in Winter Nights, 'twas owing to a Deception of the Senfe.

Ptelony added Four Stars to Hipparchus's Catalogue, and

Priceimy added Four News to Informents Caralogue, and made the Number 1026.

In the Year 1433, Ulieg Brigh, Grandfon of Tamerlone, in a New Catalogue he made, only gives 1017.

But in the 17th Century, when Altronomy began to be retrieved, their Number was found to be much greater.

To the 48 Confibiliations of the Arcience, were added 12 New ones, discovered towards the South Pole, and two to-wards the Nurth : Besides several others nor universally ad-

wards in North - Bendes leveral others not university as-mitted, as the Progress of Log. The Program Ods, US-Core, from his own Olderstriens, which Replet, from Producy and others, incredid to 11-fg. Ricitation to AdS, and Beyer to 1759: Dr. Halley added 373 object of by him, within the America Circle. Herelins, from his own Olderstrations, and the Olderstriens, Dr. Halley, made a Carbonge of 1888 50 Fers. And to Dr. Deling, the Core of the Core 3000 Start, all from his own most accurate Observations. Sec Catalogue.

The fame Author found above 188 in the Pleiades, Author sound above 128 in the "Philades. And Huggus looking at the Sar in the Middle of Orien's Sweed; inited of one, found it to be 12. Galillei found 80 in Orien's Sweed; 21 in the Nobuleus Ster of his Head; and 36 in the Nebuleus Star, Profits.

Changes in the STARS. The Changes that have happened in the Stars, are very confidenable a contrary to the Opinion of the Ancients, who hold, that the Heavens and heavenly Bodies, were inceptable of any Change, the Marter thereof being Permanent and Eternal, infinitely exceeding the Handrich of Diamondes, and not faiterpible of any different Form. And, in Effect, till the Time of Arifotle, and even 200 Years afterwards, there had no Change been observed.

The first, was in the Year 125, before the Incarnation; when Hipparchus discovering a new Star to appear, was first induced to make a Catalogue of the Stars, that Posterity, as we have observed, might perceive any future Changes of the

like Kind.

16 the Year 1573, Yesto Breds, observed mother new Sor in the Controlletion Colliserie, which was, likewife, the Control of his and lang new Conlinge. In Magnitude, 18 Magn

Dr. Keill takes those to have been all the fame Star 3 and does not know but it may make its Appearance a-new

core not know but it may make in Appearance a-new 130 Yearshence.

Rabriems discovered another new Star in the Neck of the Whole, which appeared and disappeared several times in the Years 1643 and 1662. Its Course and Motion, are deferibed by M. Bevilland.

by M. Passilland.
Simon Marius differenced another in Andromedes's Girdle;
in 1612 and 1613, though M. Passilland flay, it had been fein before, in the XVth Creaty. Another was observed by Kepher in Serpenterius. Another of the Third Magnitude in the Confiellation Organs, near the Bill, in the Year 1661, which dislayered in 1626, and was observed again by

STA

Headmin in 650, till the Year 1561, and again in 1666 and 1511 and Nature of the fix'd STARS.

For the Nature of the fire's Sters, their immente Different leaves as greatly at a lofs about it. What we can gather for certain from their Phenomena, is as follows;

certiin from their Phenomena, is a follows;

"That the feet Short are greater than our Earth. This is denositable than a Suppose two Short C and D (Tab. in denositable than a Suppose two Short C and D (Tab. in the Short C and D (Tab. in the Western As Fore in a D carrier in E. G. Q the support in D. But fines both more with the time Vester, while C deficible the Artic C Hay I have Short C deficible and William C and D to Be the Short C short in the Short C and D be left than the Earth, the Short C will not be far, in the Estern Enforce, when the other, G, is arrived as the Western Bor as this is contrary to Experience, it follows, that the Copy is being in L and S, and there fore in the Estern Enforce in L and S. and the Short C will not be fore that the Copy is being in L and S, and there fore in the Estern Enforce in L and S. and there fore in the Estern Enforce in L and S. and there fore in the Estern Enforce in L and S. and there fore in the Estern Enforce in L and S. and there fore in the Estern Enforce in L and S. and there fore in the Estern Enforce in L and S. and an time by Spectators in A and B, are greater than the Earth

2° The fix'd Stars are farther diffant from the Earth, then the farthelt of the Planets. For we frequently find the fix'd Stars, hid behind Sayara's Body; the highest of the Planez.

3" The first Stars fine with their own Light: For they are much further from the Sun than Saturn, and appear much first sun Saturn and appear much field than Saturn; but fince, nonwithfunding this, they are found to thine much brighter than Saturn, 'its evident they cannot borrow their Light from the fame Source as Saturn does, tris, the Sun : But fince we know of no other luminous Body befide the Sun, whence they might derive their Light; it follows, that they fhine with their own native Light. Hence t", we deduce, that the first Stors are fo many Suns; for they have all the Characters of Suns. See Sun.

Suns ; for they have all the Characters or Guiss.

2° That in all probability, the Start are not less than our

Sun.

3º That 'tis highly probable, each Star is the Centre of a Sydem, and has Planets or Earths revolving round it, in the fame Manner as round our Sun; i. e. has opake Bodies illuminated, warm'd and cherifin'd by its Light. See

System. How immenfe, then, does the Universe appear! Indeed, it must think be Indinet, or indinety near it. Set Universe. Affelier, 'to see Comics that each Spece. There is a Meride. Affelier, 'to see Comics that each Spece. There is myster of the fine Seafer or Sphere; unplease them all no be field in the fine Seafer or Sphere; unplease the other in the fine Seafer or Sphere; unplease the other is would appear twive or think rise as finall, finpoding their real Magnitude equal; whereas there is no Difference in their approach Magnitude, shifty bloffered, at all. But to this we oppose, that Higgert has not only flower, that Fire were of Humber are few as a fach Diffuscor. where other Bodies, comprehended under equal Angles, dif-appear; but it should likewife feem, that the Opric Theorem about the apparent Diameters of Objects being reciprocally proportional to their Diffunces from the Eye, does only sold while the Diameter of the Object has fome fensible Ratio to

4º The Stars which appear and disappear by turns, being always found to increase in Magnitude at their first Appearance and to decrease as they begin to disappear, and being like wife fill visible through Telescores, for some Time after they was this vituos tranoga l'electores, fer fome l'îne diet the alea olit to the niked Eye (of which we have vurous influsors in the Philosophical Trimpfallens) from 10 he so other this cherry phylicite obtains a fer in the charge of the cherry phylicite obtain; under son yeften flouding charles include to Dr. Acili's Opinion, eix That the Stars lott feith Philosophica, and different, by thich becaming covered with Madelle or Spors, fach as are frequently found to over-fpened the San-Sec Spors.

5° Those temporary Stars, which, upon their disappearing, have never been found to recurringing are probably conjectured to be of the Number of Countes, which make long Excuring from their Suns, or the Courtes of the upper planetry Syltoms, i.e. from the fact Stars; returning too feldom to have their Returns perceived. See COMET.

### Motions of the STARS.

The fix'd Stars have two kinds of Motions; one called the First, common or district Motion, or the Motion of the Pri-

must shirlder. By this they are carried along with the Sphere to the Control of t

about Thirty thousand Years, according to Prolomy; 25816

about Thirty thenfind Yann, according to Philosopy 3,5216 according to Philosopy 3,5216 according to Chilled. See Faure transcor of the Epsimon. In effect, the Latitude of the piol  $\Delta G_{\rm CP}$  are find, by the third of the piol  $\Delta G_{\rm CP}$  and  $\Delta G_{\rm CP}$  are find, by the the of the Moderns, continues fill the same; but their Longstude it by this forced Materian Surviya increding. Thus, a, c, y, the Longstude of Ox Longstude of Ox Longstude of the National Poil by the Philosopher to the 17° <math>g > a in Tagle by Aphiboration, a > a > a, in 156 by the Philosopher Longstude of the a > a and aeafily inferred.

eably interred,
"Twas Hipporchus first suspected this Motion, upon comparing the Observations of Tymocherus and Jrigillus with
his own. Prokeny, who lived Three Consuries after Hipparchis, demonstrated the Same by undensable Arguments.
See Longivens.

Some, 'tis true, have imagined a Change in the Latitudes of the Stars; but such an Opinion has little Countenance from Observation. See LATITUDE.

Tyeto Brabe makes the Increase of Longitude in a Cen-

tury 1° 23' 40" 12"; Flamflead and Ricciolus 1° 23' 20"; Bullialdus 1° 24' 54"; Hevelius 1° 24' 46" 50"; whence, with Flamflead, the Annual Increase of the Longitudes of the fix'd Stars may be well fix'd at 50".

From these Data, the Increase of the Longitude of a Star for any given Time, is casily had; and hence the Longitude

for any given Time, is easily bad, and hence the Longitude of a shor for any given Yarr, being given, in Longitude of String in Manghade Proposition of the String in Manghade String in Ma. Hamshee's Tables for the Year 150p being 9 of 9°, is it longitude for the Year 150p being 9 of 9°, is it longitude for the Year 150p being 9 of 9°, is it longitude for the Year 150p being 9 of 9°, is it longitude for the Year 150p being 9 of 9°, is it longitude for the Year 150p being 9 of 9°, is it longitude to your year 150p being 15°, if year 1

their profest Articles, ALLITODE, ACCENTION, DECLINA-TION, OCCULTATION, Ed.
The fewerd Stars in code Confidence, e.g., in Tauras, Bootes, Hercales, Ed., their Longitudes, Lemutes, Magui-mées, Names, Pleace, Ed. as for do y Ar, Flamitead in the Britanne Catalogue, for more the proper Article of each Confidence, Tawa wa, Booras, Harculas, Ed.
Yolears to Shown the fewerd fact Stars by the Globe; for GLOBE. The Parallan and Diftance of the fin'd Stars; for under

PARALLAX and DISTANCE-

Panalaka and Divraker.

Syran, in Perilication, a little Hexagonal Port, with Six Points or Sellines and Recentring lengthe linking one mother, They are tropesty made in Lines of Circumstallation, afterwoor othere Redoubts, See Resours.

Syran, in Pyrectohy, a Campolition of combutilities Mastern, which brings the See Resours.

Syran is in Protectory, a Campolition of combutilities Mastern, which brings and the see that the seed of the See Resours.

Sor are chiefly sided a real lower.

Sor are chiefly sided and Appendage to Rockets, a Namber of them being aftaily incloded in a Consist Cap or Over as the Hast of the Rocket, and currently on which to its are the Hast of the Rocket, and currently on which to its area.

ar the Head of the Rocket, and carried up with it to its union Altitude, where the 30 mt table give, are fixed around, and exhibit an agreeable hydrodise-disease of Sulphare, no of Antitudes and Antibert of Sulphare, to of Sulphare, to of Antitudes and Antibert of Sulphare, to of Sulphare, to Games of Sulphare, to of

Syan, in Heraldry, a Term frequently ufed, as fignifying a Moveable or Charge, frequently bome on the Shield, and the honourable Ordinaries

It differs from the Mallit, or Sparrowel, in that it is not pieced as this lat is. See Mexica?

It shally conflict of five Rays or Spekes. When it has a first shally conflict of five Rays or Spekes. When it has many the Germans and Ladiens, particular Merit Mallit of the Rays of th

STAR, a Badge of the Honourable Order of the Garter,

See GARTER. Order of the STAR, or our Lady of the STAR, an Order of Knighthood inflituted by King John of France in the Year 1352, denominated from a Star they were on the

Stonich, "Stonich and "Stonich" is in the Order in time Art did expression, by in a Millettine of Perfers Admirted, without any Diffredime. For which Reafan, Charlet VII, without any Diffredime. For which Reafan, Charlet VII, when Grand-malter thereof, quitted it, and gave it the Geweller of Grant, Kingher of the Watch at "Point, and his Cheveller of Grant, Kingher of the Watch at "Point, and his Account is contradicted by others, who will have the Order infitiented by King Rederi in 10.21 in Honour of the Hely Virgin, and to have falles into Differend during the Wars of Virgin, and to have falles into Differend during the Wars of

Juliation mentions another Order of the Stor, at Maffins in Sicily, call'd allo the Order of the Creftent. It was infiltrated in the Year 1268, by Charles of Anjon, Brother of St. Louis, King of the Two Sicilies.

St. Lettal, King of the 1 wo Statists.

Others will have it Inflituted in 14644, by Remetus Dake
of Anjan, who rook the Title of King of Statists. At least,
it appears from the Arms of this Prince, that he made some
Alteration in the Collar of the Order's for infliend of Fotoers

\*\*Lozer and Stars\*\*, he only beer "two Chairs, whence hung
a Grefcent, with the old French World Lee, which in the
Language of Reform, fignified Leis in Grefferts.

Initial Letters New with the Star in the Middle.

SYAn, in the Manage, White Start in the Northeast, are effected good Blanks in all Hearles, except White and Grey technique of the Manage Milker to Art.

Both Method of making Start, practited among the Dimerbor of the Manage of the flat Side thereof to the Place the Star is to be on, and keep it there Half an Hour. After taking it off, rhey anoint the Scalded Place with Ointment of Rofes: In a fhort Time, the Scarf Skin falls off, and White Hair grows up in their Room; but the Middle always continues bare of Hair, which

tocon; but the Middle always continues bare of Hair, which is the certain Characterilitie of an Artificial Star.

The Method meth ufed among us, is to flave the Hair from the Hair cits to be made on; then to apply a little Oil of Vitrid with a Feather, or the like, patting it lightly over the bald Place. This cats away the Roots of the former Hair, which will be freezeded by White. The Sore is

mer Hair, which will be fucceeded by White. The Sore is heal'd ap with Coppers and geren Ontiment. To make a black Star, on a White or other colour'd Horfe's Wath the Place to be changed, frequently, with Fern Roots and Sage beil'd in Lye; and it will breed black Hairs. The fame may be done, by beating four Milk, Galls and Ruft to-

gether, and anointing the Part therewith.

A Red Staris made with an Ounce of Aqua-fortis, a pennyworth of Aqua-vitæ, and Silver to the Value of Eighteen nyworth or Aqua-vite, and Silver to the value of Lightcom-pence, all heated together in a Glafa, and the Place assointed therewith. This immediately turns the Hair to a perfect Red 3, but it laths no longer than till the Horfe caft his Coat 3 when it is to be renewed.

STAR-BOARD, is the Right-hand Side of a Ship, as arboard is the Left:

Thus they fay, Starboard the Helm, or Helm a Starboard, when the Man at the Helm should put the Helm to the Right Side of the Ship.

Right Side of the Ship.

STARCH, a Fecula or Sediment found at the Bottom of STARCH, a Fecula or Sediment found at the Bottom of Veißis, wherein the walke or reisife Wheat has been fleeped in Water: Of shich Feeola, after feparating the Bran from it, they form a kind of Loares, which being dried in the Sun, or on a Furnace, is reduced into little Pieces, and 50 old fire Staron. which fold for Grand.

fold for Starch.

The best is white, fost and friable, easily broke into Powder. Such as require very fine Starch, don't content themselves, like the Starch-men, with the Refuse of Wheat, but us the finest Grain. The Process is as follows:

Method of making STARCH of Wheat.

The Grain being well cleaned, is put to termine the full of Water, which they expole to the Sun, when in its full of Water twice a Day, for the water twice a Day, for the control of the Staten When the fall of Water, which they expole to the San, when In in greated Heat; changing the Water twice a Day, for the Space of 8 or 12 Day, seconding to the Saston. When the Oran burils eafly under the Figure, they ladge is officiently by femented. The Fernemation perfected, and the Grain has foftered; it is put, landfull by handful, in a carraw Bag, to feparate the Flower from the Husts, which is done by rebbing and beating it on a Plank, ind seroit he Moonth of

the empty Veffel that is to receive the Flower.

As the Veffels are filled with this liquid Flower, there is feet miniming a top, a reddift Marca; which is to be carefully found off from time to time, and clean Water pat in bally fearm't off from time to time, and clean Water pat in it Place; which, after litting the whole together, is all to be firained through a Cloth or Sieve, and what is left be-hind, put into the Vetil with new Water, and exposed to the Sun for fome time; and as the Sediment thickens at the Bestrom, they drain off the Water four or five Times, by inclaining the Vetil, but without passing it through the Sieve-With the mounts at hoston. It is the Vanish which there is What remains at bottom, is the Starch, which they cut in Pieces to get out, and leave it to dry in the Sun. When dry, 'tis laid up for Ufe.

dry, 'tis laid up for Ule.

You'le Shareh, they take as much as is needed, and sleep in Water over Night, changing the Water four or five

The Starch-men using the Refuse of Wheat, only observe a Part of all these Things in their Process; but their Starch

falls far fhort of this. Stareb is used along with Smalt or Stone-blue, to sliften and clear Linnen. The Powder thereof is also used to whiten and powder the Hair. 'Tis also used by the Dyers whiten and powder the Hair. It said wied by the Dyese to dispose their Stuffs to take Colours the better. STAR-Chamber; was a Chamber at Westminster, former-ly so called, from its Roof being painted with Stars. See

CHAMBER.

HENTY the VIIth and VIIIth, ordered, by feveral Statutes,

that the Chancellor, affilted by others there named, should have Power in punish Routs, Riots, Forgeries, Embraceries, Perjuries, and such other Misdemeanors, as were not fuffi-

Perjairie, and loch other Millemensons, as were nor finite-ciantly period for by the common Lang, and for which he caused the property of the control of the common Language this Court, by 17 Cer Le, to was interely diffield, and 60 continents to this Descriptions of the Court of the Court, and STAR-LOTE, in proposed of from g to 8 Points, with Stallars and Re-carring Angele flashing one number gevery one of its Sider controlling from 12 to 25 Tathons, or Stallars and Re-carring Angele flashing one number as the East of Alex or that which is decayed, to review it gain. STATERIA Remannia, or Steelyard, a Name given to the Rome Educes. See 5 Terratan.

STATERA was also an ancient Silver Coin, weighing four

Aitie Drachms, or Half a Roman Ounce, It was worth about two Shillings or two Shillings and Two-pence Sterling. STATE, or Effore, an Empire, Kingdom, Province or xrent of Country under the fame Government. See Extent of

STATE, or Liftett, in Empire, Kungdom, Province or Envirsa, Kunstron, Ge.

The Store, or Storets of the King of England, include the Progrid Line Store, or Storets of the King of England, include the Progrid Lines and the 19th Intell Francism, as Progrids. Control of Store, including the Control of Francisco, Lorentzon, Storets, College, Store, and Anna Store, and Store, and Store, and the Store, and the Store, and the Anna Store, and the Store, and the Anna Sto

Affembly, the Deputies of each Province, what In this Affendby, the Deposites of each Pervice, what Number fower two Pic, have only one Voice, and according to the Color of the Colo Departies, under the Name of the States-General, who were always to refide at the Hogue, and who alone are now called States General.

Since that new Regulation, there have been two General Affemblies of the States of the Provinces; the former held in 1600 at Berg-of-Zeom, to confirm the Truce agreed on with the Arch-duke Albert, with the greater Solemnity; and the

latter in 1651.

STATES of Holland, an Affembly confifting of the Departies of the Councils of each City; wherein relides the Sove. originally, none but the Nobility and the Six principal Cities had Seats or Voices in the States. At prefere there are

the Deputies of 18 Cities.

The Nobility have the first Voice. The other Province of

the Union have likewife their States, reprefearing their

SOVERINGER

STATICAL Barofore. See Baroscope.

STATICKS, STATICE, a Branch of Mathematics, which confiders Weight or Gravity, and the Motion of Bodies arifing therefrom.

Those who define Mechanicks, the Science of Motion, make

Those who define Mechanicis, the Science of Motion, male Straintia's Member Herror(, see, the Pray which confident is Motion of Bodies aring from Gravity. See Grazverr.

Others make herr use of dirtical Softenions, referringed to the strainting from Gravity. See Grazverr.

Others make herr use of dirtical Softenions, a referring to the strainting of th

For the Lows of Staticas See Sarvity, Descent, St. Statical Barometer

STATICES, Statici, in Medicine, a kind of Epilepticks, or Perfors feiz'd with Epilepfies. See Erizepsy.

The Staticks differ from the Catalepticks, in that, thefi left have no Senfe of external Objects, nor remember any thing that paffes at the Time of the Paroxyfin: Whereas the Statist are all the while taken up with fome very flrong lively which they remember well enough, out of the Fig.

See EFLEATY.

STATION, in Geometry, Efc. a Piece pitch'd upon to make an Observation, take in Angle, Efc.

An inaccetific Heighter of Distances and up to be taken, by An inaccetific Heighter of Distances and the Distances known. In making Mapour Powinces, the Stationar are field on all the Himmesce, Efc. of the Controv, and Angle to then thence to the feveral Towns, "Villages, Efc.

In Surveying, the Influences in the adjusted by the Needle, to answer the Poinces of the Horizon, at every Steven, the Distance from the Hist Station to the medical, and and

Angle to be taken to the next Station; which includes the whole Bufiness of Surveying. See Surveying

In Levelling, the Inftrument is rectified, that is placed level, at each Station, and Observations made forwards and beckwards. See Levelling.
Station, in Affronomy, the Position or Appearance of a
Plance in the same Point of the Zodiac for several Days. See

PLANET As the Earth, whence we view the Motions of the Planets,

As the Earth, whence we view the Motions of the Pisett, is our of the Courte of their Orbits, the Pinest appear we proceed irregularly; being fornetimes from to go forwards, this is from Wett to Earth, which is called their 20 professor so go backwards, or from Eaft to Wett, which is called their Energy-deading. See Dis across and Revracoast. Now between thefe two States, there must be an intermedi-

ate one, wherein the Planet neither appears to go backwirds nor forwards, but to fland flill and keep the fame Place in her Orbit, which is call'd her Station. See Stationart. STATION, in Church Hiftory, is used for the Fasts of the 4th and 6th Day of the Week; that is, those of Wednesday and Friday, which many among the Ancients observed with

much Dev Thefe Fafts only held to a o'Clock in the Afternoon. See

FAST.

S. Peter of Alexandria, in his Gaussical Epifle, Cat. 15observes, that it was appointed in conformity with the suction.

Tradition, to fild weekly on those Days. On Weigniger, in
Memory of the Council the Sect took to put out Sarvates

Memory of the Council the Sect took to put out Sarvates

Destrip, and on Friday, on account of his Puffica, Sect
regard to which is fill had by many in the Church of England.

STATION is also used in the Church of Rome, for certain Churches where Indulgences are to be had on certain Days. See INDULGENCE.

Twes St. Gregory that fix'd the Stations at Rome, i.e.
the Churches where the Office was to be perform'd each Day
of Lent, and on Solemn Feast Days. 'These Stations is

mark'd down in his Secramentary, as they now flund in the Rowson Misfal; attaching them chiefly to the Patriarchal and Trular Churches: But though the Stations were fix'd, the Archdescond din of fall, at each Station, to publish to the People the following Station.

Syation is allo a Ceremony in the Remife Church, wherein the Prietts or Canons go out of the Choir to fing an Anthem before the Crudinx, or the Image of our Lady. This Ceremony is afteribed to S. Certin.

STATIONARY, in Airronomy, the Stare of a Planet hen it feems to remain immoveable in the fame Point of the

Solid Hardward and management in other on a range Calline. See Systems.

The Disearch being Source up proposed in and disearcher pages 3 statement, Now a Plainet will be form defining agent Statement, Now a Plainet will be form defining, in when the Line that join the Earths and Florest Comes, in when the Line that join the Earths and Plainet Comes, in when the Line that join the Earths and Plainet Comes, in when it lever partialle to intied. For all right Lines drawn from any Polast of the Earth's Orbit, parallel to one mother, below in lever parallel to intied. For all right Lines drawn in any Polast of the Earth's Orbit, parallel to one mother, below in lever parallel to intied. For all right Lines drawn to first any and the Company of the Dillance of the Company of 27°, and Mars at much general Pollance. Serious of 5 streamy 20 Days, Polytice a, Mars 2, From 1; and Mor-Serious 20°, in Maldice, a Berran, or Though the the Stream, contiling of a fary Schilforce relimbiling Sort.

See Herria.

Statuary, a Branch of Sculpture, employ'd in the
making of Statuer. See Statue.

Statuery is one of those Arts wherein the Ancients surpass'd
the Moderns: Indeed twas much more popular, and more
cultivated among the former than the lister. See Sculp-

"Tis diffrated between Statttary and Painting, which of the two is the most difficult and the most artful. See Paint

The Invention of Statuspy was at first very coarse, Leon Bat-The Invention of Statings was stirll very court. Less Blae.

PM Start, who has an expect Treattion on States, imagines

Productions of Nature, that, with a little Help, might feel

midpoint to respect the Fireur of flore Animal. The common Story is, Thur a Misid, full of the Idea of her Lover,

mon Story is, Thur a Misid, full of the Idea of her Lover

mon Story is, Thur a Misid, full of the Idea of her Lover

mon Story is, Thur a Misid, full of the Idea of her Lover

mon Story is, Thur a Misid, full of the Idea of her Lover

mon Story is, Thur a Misid, full of the Idea of her Lover

Story is a story in the Idea of the Idea of the Idea

Story is a story in the Idea of the Idea of Idea

Story is a story in the Idea of Idea of the Idea of Idea

Story is and Idea of Idea of Idea of Idea of Idea of Idea of Idea

The Idea of Idea In this Senfe we firy, "Phidias was the greatest Statuary among the Ancients, and Michael Angele among the Moderns. STATUE, a Piece of Sculpture in full Relievo, rep

ing a human Figure. See Floure.

Daviler, more Scientifically defines Statue a Reprefe Lawser, more Scientifically defines Statue a Repreferna-tion in high Relievon and Inflate, of fome Perfun diffinguiffed by his Birth, Merit or great Actions; placed as an Orna-neut in a fine Building, or exposed in a publick Place to pre-ferve the Memory thereof.

Status are form'd with the Chiffel, of feveral Matters, ss Stone, Marble, Plaister, Co. See Stone, Marble, CHISSEL, Sa

They are also cast of various Kinds of Metals, particularly Gold, Silver, Brass and Lead. For the Method of casting Svavues; see Foundary of Scarmer.

Desaltrs, the Son of Eupalannus, who lived not only be-fore the Siege of Trys, but even before the Expedition of the Agrangents, among many other norable Contributors afribed to him, is faid to bave been the Inventor of Statuss. And yet 'tis certain, there were Statuaries before him; only he was first found how to give them Action and Motion, and to make them appear as if alive. Before him, they made them with the Foct joined together, never intending to express any Action. He first loosened the Feet of his, and gave them the Artifudes of People walking and acting.

The Phonicians are faid to have been the first who erected

Statues to the Gods.

The Greeks fucceeded in their Statues beyond the Ramans; The Greek faccorded in their Starrie beyond the Ramons; how the Workmanhipsond the Foury of the Ramons Starries, the Ramon Starries of the Ramon Starries, the Ramon Starries of the Ramon Starries of the Ramon Starries, the Ramon Starries of the Ramon Starries of the Ramon Starries and Ramon Starries are unfaintly diffining third into four Kinday at the Part, are those feel than the Life; of which Kind we have The Starries of the Ramon Starries of Participation of Virus, Learning of Participation Starries of Virus, Learning of Virus, Learning of Participation Starries of Virus, Learning of Viru

the Services they had done.
The Third, of those that exceed the Life among which.

those which surpass'd the Life once and a half, were for Kings and Emperors; and those double the Life, for Heroes, The Fourth Kind, were of those that exceeded the Life rice or thrice, or even more, and were called Coloffin's See Colossus.

Every Starne refembling the Person It represents, is called Statua Iconica.

Status Romica.

Greek STATUS, is used for a Figure that is Naked and Antique 3 it being in this Manner the Greek's represented their Delicies, Athletee of the Olympic Games, and Heroes. The Resist on of this Nadiry, whereby the Greek Status are diffinguished, is, that those who exercised Wrestling, wherein the Manner of th the Greek Youth placed their chief Glory, always perform'd

The Statues of Heroes were particularly called Achillean Statues, by reason of the great Number of Figures of that Prince, in most of the Cities of Greece.

Roman STATUES. This Appellation was given to fuch as were closth'd, and which receive various Names from their various Dreffes. Those of Emperors with long Gowns over various Jirdics. Those of Emperors with long Gowns over their Armour, were called Statuse Palladates; those of Captains and Cavaliers, with Coass of Arms, Physicaster, Those of Soldiers, with Coass of Arms, Physicaster, those of Senators and August, Thalester, those of Magistrates with long Rober, Tigaster, those of the People with a plain Ta-nica, Tamienter, and lastly, those of Women with long Thesian Soldiers. Trains, Stolate. The Romans had another Division of Statues, into Divine,

The Komean man amount Invition of Matther, and Different which were those conferrated to the Goods, as Applier, Mars. Apollo, (Se. Herser, which were those of the Demi-Gods, as Herceties, See, and Anguel, which were those of the Emperors ; as those two of Gefar and Anguellus, under the Portice of the Capitol.

[Incl. Advance See Journal of Matthe Gooding on floor , as they of

Pedefirian STATUE, a Statue flanding on foot; as that of King Charles II. in the Royal Exchange, and that of King James II. in the Privy Gardens

Jamel II. in the Propy Gradest.

Equiptions Status, that reperienting from illustrious
Person on Horibacks, as that famous one of Merces
American statement, and those of King Chertel1, and III.

as Chemig Graf and in Seeks-Merket, Lunden.

Comité Status. Those are thoust citled, which are reprefeated in Charicus drawn by They or Syndrigs, that is, by weo
four the Chartel of the Chartel in the
or four Horists, of which Kind there were ferred in the

of four Hoffes; or which Kind there were fereral in the Create's Hipphagarouse, effe. or in Cars, as we fee on triumphal Arches in antique Medals. See Orrever, Miggariest Status, that which, under a human Figure, or other Symbol, reprefense fomething of another Kind, as a Part of the Earth, a Seafon, Age, Element, Temperament, Union of the Seafon, Age, Element, Temperament,

Hour, Se

Hour, Esc. Hydrastick Statue, any Figure placed as an Chroament to a Fountainor Grotto, or that does the Office of a Jet d'Este, a Cock, Pipe or the like, by any of its Parts, or by an Attribute it holds. The Sunc is to be underflood of any Autmal ferving for the fame Ufe.

# Coloffel Statue Perfem Statue Corganic Statue Statue Carratides.

CONTREVATOR (CONTREVATOR)

STATURE, HE Size of Height of a Mun; from the Latin, Saturn, of Sorte, or Stand.

Latin, Saturn, of Sorte, or Stand.

Stand Schemister of the Latin Scheme, He Montal Americally well askaped to the Circumstance of his Leidinee. He Montal he control to the Control of the Sorte of the Control of the Control of the Control of the Sorte of the Control of th

effeemed Gian

ethemed Gimm. Source of Men, Mr. Derham observes, in all probability the flam now, as at the beginning; a in all probability the flam now, as at the beginning is a first probability that the now of the probability of the p 3000 Years ago.

ave other and later Inflances to add from To these we have other and later Instances to add from Hakewell: The Tombs at Piss, which are some Thousands of Years old, are no longer than ours: So is Athelfian's in Malmibury Church; Sheve's in Paul's, of the Year 693, ಲೆಂ

The like Evidence, we have from the ancient Armour, Shields, Veffels, &c. dug up at this Day, E. gr. the Braß Helmet dug up at Metearum, fits one of our life; yet tis allowed to have been left there at the Overthrow of Afdernbal. Add, that Angulus was Five Foot Nine Inches, which was the Mesfure of our Queen Elizabeth; only the Queen exceeded the Emperor by Two Inches, Allowance being made

was the themse or our ligator handons, not yet the conwas the control of the control of the control of the Difference between the Rames and our Foot.

STATUS & Money, in sucice Records, all many and enjoy their Rights and Printiggs, and enjoy their Rights and Printiggs, and the control of 
the greace to be kept by the Mayor, chirt Watden, Ed. and the [fift by the find Circhs, See Bosser, 1994; 11. In Called, either popular in Systyre's Styffe, is to called, either popular of the Systyre's Styffe, the Conditional Control of the Systyre's Styffe, the Conditional Control of the Styffe, the Condition may forthwish have Execution Systems Styffe, the Condition may forthwish have Execution Styffe, the Condition may forthwish the Execution Styffe, the Condition Styffe, the Condition Styffe, the Condition Styffe, the Systyre Styffe, the Condition Styffe, the Styff

STAVERS, or STAGGERS, among Farriers, a Gid-dincfs in a Horie's Head, which ends in Madnefs. 'The fredintes in a little is rived, which ends in madness. Its the quently occasion'd, by turning out a Horfe to Grafs too foon, e'er well cold; where, by hanging down his Head to feed, ill Vapours and Humours are generated, which oppressing the ill Vapuars and Humonia are generated, when coppeting up-Brain, are the next Caulo of this Diffeal. Sometimes it comes by over Exercise in the Weather, which inflames that executive Enting, 65. The Signs of it, are Dimnerles of Sight, Recting and Socgering, watery Eyes, 85. At length, for very Ean, he beas has Head against the Walt, throatle it into the Litter, rifes and lies down with Fary, 85. The Michaels of Care are various y but they all begin with

Methods of Care are various; used any methods of Bleeding.

STAY, in the Sta Language, a big, ffrong Rope, faften'd to the Top of one Maft, and the Foot of that next before it, towards the Prow, ferving to keep it firm, and prevent its

towards are from, letting to keep it man, and per-falling backwards.

All Mafts, Top-mafts and Flag-flaves, bave their Steps is except the Sprit-faul and Top-maft. That of the Main-maft, is called the Main-flags. The Main-maft, Fore-maft, and those belonging to them, have also Back flass, to prevent their pitching forwards or over-board; as going on either fide her. See Back-Stays.

Hence, to Stay a Ship, or bring her on the Stay, is to manage her Tackle and Sails, to as that the cannot make any Way forwards, which is done in order to her Tacking

STEADY, is a Word of Command at Sea, for the Man at the Helm to keep the Ship Steady in her Courfe, and not to make Angles (or Tares as they call them) in and out. See TO hance Angular Market 
easily turned out upon lucifion.
STEEL, a kind of Iron refined and purified by the Fire with other logredients; which renders it whiter, and its

Steel, of all other Metals, is that susceptible of the greatest

degree of Hardreft, when well sumpered a whence in great degree of Hardreft, when well sumpered as whence in great The tree Mentined of making often has been greatly one-cedly, and the Palicki long platfull by counterfeir men. The following Method we have from Agricult's and in Palicki and the Company of the Company of the Company England Palicki and the Company of the Company good Strick, from the Time of the Roment, to Olsra England Palicki and the Company of the Company in a wint in a few of Some that early maket. This Manue, put by Intel and little intoo Covenile, first fill'd with Conrecal-tion of the Company of the Company of the Company put by the Company of the Company of the Company that the Company of the three bad them fire to fit theory with a three platful of the maket platful of the Company of the Compan The Workman is so file the melted Mattee offers, that the Pleece of Item may toke in the finaller Particle of the entitle Item, which Particles confournes, and thin the goodler one as the Iceo Pieces, and are, as it were, 2 Fernation to them, and make them tender. One of the Fieces is now taken out of the Fire, and put under the great Hammer, to be drawn out into Bars and wrought; and her as it is, planged into odd Water. Dut temper [4], it may again worked upon the Arrilly taken the long is, it is considered, whether in any case of the property of the control of the property of the

Fact it 100ks like Ison or whether it be whoshy condended and tumed into Steel.

STREL, in Medicine. See CHALTBEAT.

STEELYARD, in Mechanicks, a kind of Balance, call'd States, Romens, or the Romen Balance; by means whereof, the Gravity of different Bodies are found by the Use of easingle Weight. See Balance.

## Confirmation of the STEELYARD.

It confifts of an Iron Beam A B (Tab. Mechanicks, Fig. 35.) wherein a Point is affumed at Pleafure, as C, and on this a Perpendicular raifed CD. On the lefs Arm AC, is hung a Scale or Bason to receive the Bodies weighed: The Weight I is shifted this and that Way on the Beam, till it be a Counter-balance to one, two, three, four, &c. Pounds placed in the Scale; and the Points are noted wherein I weight as one, two, three, four, &c. Pounds.
From this Continuction of the Steelyard, the Manner of

From this Continuation of the Newloyd, the summer or uting it is apparent. But the Informent being very liable to Decets, is therefore not to be countenanced in Commerce. Spring Spraxivana, a kind of portable Balance, farring to weigh any Matter, from about one to forty Pounds. It is composed of a Basia Table, into which goes a Rod, and about that is wound a Spring of tempered Steel in a figural Form. On this Rod are the Divisions of Pounds and and about that is wound, a Spring or temper? Steet in a figural Ferm. On this Med are the Dirinfons of Pounds and Farra of Founds, which are made by faceofficely hanging on the Now the Spring being fairth of a yea Seem, to the bettern of the Rod, the greater Weight is long on the Hook, the more will the Spring be courseled, and, configurately, a greater Farred the Rod will come out of the Tube; a the Proporties of the Rod will come out of the Tube; the Proporties and proposed to the Spring of the Spring of the Spring of the spring which the Spring of the Tube; the Proporties when the Spring of the

of which greater weights are indicated by the rigures ap-pearing against the Extremity of the Tube. STEEPLE, an Appendage, raifed on the weitern End of a Church, to hold the Bells. See Church and Bell. Steeples are denominated from their Form, either Spires

or Houser.

The first, are such as ascend continually diminishing either Conically or Pyramidically. The latter are more Parallelispipeds, and are cover'd atop. Plat-form-like, in each Kind, there is usually a fort of Windows or Apertuate to let out the Sounds, and so contrived, at the same time, to drive it down

Moffitt, in his Treatife of Bells, treats likewife of Stopper.
The most remarkable in the World, is that at Pifs, which
leans all on one Side, and appears every Moment ready to falls
yet without any Danger. This odd Diffpalition, he observer, is not owing to a Shock of an Earthquake, as is generally imagined; but it was contrived to at first by the Architest;

imagined; but it was contrived to at first by the Arkuneary as is erident from the Ceilingr, Windows, Doors, &c. which are all in the Level.

STEERAGE, the AR of Steering. See Streening.

The Word is also sifed for a Place in a Ship before the Bulk-head of the great Cabin, where the Steers man stands

STEERING, in Navigation, the directing of a Veffel from one Place to another, by means of the Helm and

Rudder, See HELM and RUDDER.

Rudder, See Hillman and Rudden, who uses the least Mustine in patting the Helm over to and again, and that level with in patting the Helm over to and again, and that level with the seed of the seed 3° To Steer as one is bidden or coun'd; which in a prest of is the Duty of him that is taking his Turn at the Helm. See CONDER.

For the Theory and Effect of Secring; for Salling, STEGANOGRAPHY; the Art of forest Writing; writing in Cyphers, known only to the Perfors corresponding.

See CFF181.

One Anotest Vallette, Two thousand Years ago, as we are cold by Velylian, had increted no different Manners of watting for an on body but though the issue to be Socre, could be supported by the cold of the col

the fame as Affringents. See ASTRINGENT.

STEGNOTICKS, in Medicine, Remedies proper to close and ftop the Orifices of the Veffels, when strench'd, lacerated,

Ec. See Styptice.
Such are Pomgranate Leaves, red Rofes, Plantain Leaves, Tormentil Root, &c.

Stegasticks are proper in the Hemorrhoids, and other luxes of Blood.

The Word is form'd from the Greek styu, impedro, con-

fipio, I hinder, clot

The Word is found from the Greek etys, interfor, earSystem, Land State, and the American State, and the State St

See Pl. ART.

In Trees, the Stem is called the Trimk or Seek 5 in Latin, In Trees, the Stem is called the Trimk or Seek 5 in Latin, Caustier and Trincents. See Severs, 156.

In Herbs, the ordinarily called the Stalks 5 by the Latins, Caudis and Seepirs, when theight like a Column.

When fleaches, and ecopying on the Ground, as that of Numanilary, Sone Sathone call it Vinitation.

Numanilary, Sone Sathone call it Vinitation.

call'd Culment

cuild Golum.

The dross of the Plant, according to Dr. Grees, is no more. The dross of the man close of the plant and the state of the state of the state of the plant of the Stod, and which is further diluted as the Plant gows. Sor I was, Starts, Get Tranker which of the Starts of a Ship, is that main Place of Tranker which could be state of the Ship, and the state of the Ship, and the three cell it; is that is pieced in, right before the Fore-celler. This drow it is, that guides the Rake of the Ship, and this the Starts of the Ship and the three cells of the Ship and the State of the Ship and the

the Hind, who could call louder than Fifty Men) and pairs,

The Stautorophonic Horn of Alexander the Great is fa-mous; with this he could give Orders to his Army at the Diffunce of 100 Statis; which is above 12 English Miles. E SPEARING Trumpet. STEP. See Pace and Stair.

STEPS. See PACE and STAIR.

STAIR and Leapt, in the Manage, one of the Seven Airs or artificial Motions of a Horse; confitting, as it were, of three Airs; vive, the Pace of Step which is stars a streng; the raifing a Caree; and the whole finished with a Salt or Leap;
The Step, propely, parts a Horse on the Hand, and gives him a Rife to Leap; like one that runs ere he keeps, that he were are he helps.

him a Rife võ Leip; like oor chat runs ĉer he leups, toat he mit you the highest. He Rifder is not to gire any Aids or trêjan with a Lego, only to hold him well up with the ort rêjan with a Lego, only to hold him well up with the held of the least of t those of the Ramis Church have anciently given to such as held that the Eucharist was liable to Digestion, and all its Confequences, like other Foods. See SACRAMENT.

The Word is form'd from the Latin, Stevens, Dang, Card. Humber is his Answer to Nizer Petityrat, treats him as a Stevenswift, merely for holding, that the Eucharifi breaks the Faft; which Opinion he imagined led directly into Structure.

STEREOBATA, in the ancient Architecture, the Eafis or Foundation whereon a Wall or other Building is rais'd. See

This answers pretty well to the continued Socie or Basi-ment of the Moderns: Some confound it with the ancient Stylebata, or Pedelfal; but in effect, the Servebeta is that to the Stylebata, which the Stylebata is to the Spira or Base. OC STYLOBATA.

The Word is form'd from the Greek, sugardane, folid

Prop.
STEREOGRAPHIC Projection of the Sphere, is that
wherein the Eye is Supposed to be placed, in the Surface of
the Sphere. See Projections of the Sphere.
The Method and Practice of this Projection, in ell the
principal Cases, viv. on the Planes of the Meridian, Equinoctial and Horison, is as follows;

1° Steresgraphic Projection on the Plane of the Meridian.

Let ZQN E (Fig. 18) be the Moddlen, Z and N the Poles, as 40 for Moralith and Nidiry E Q, the Equincillal and Herizon J Z Y the equinocial Colours, and prine vertical cricle: Z 15 N, Z 9 N. Z 45 N, 25 ex et Hour-circle or Meridium, and silo Animath, because the Pole is in the Moralith and the Colour Colours of the Colours of the J Colours of the Colours of the Colours of the J Colours of the Colours of the Colours of the Integrat of their Dilance from Y 3 and then their Course or found by German bett Co-Germa, both ways, from their are found by Germa bett Co-Germa, both ways, from their are fixed by ferting their Co-ficains, both ways, from their forms of Interfaction with the Equative 5 in 5, and 9, v. v. forms of Interfaction with the Equative 5 in 5, and 9, v. v. forms of Interfaction with the Equative 5 in 5, and 9, v. v. by fetting the Hall-tangent of 31 Degree 30 Minness from 7 cach Way 3 them the Tangent of 11 Compstement, evis. 60 Degrees 30 Minness, each way from thereo on the Column 60 Degrees 30 Minness, each way from thereo on the Column 7 or 10 Declarations may be drawn. Or you might have fet the Co-ficance of the Parallel from the Centre of the Primitive wikth would all others found the firm Point for the Centre of the Parallel, whose Radius is equal to the Tangent of its Distance from its Pole. These Parallels in this Projection, are also Almicanters, or Parallels of Altitude; \$\pi\$, \$\pi\$ is the Ecliptick, which must be divided from the Division on the Scale of Half-tangents; but denominated according to the Signs of the Zodiac, reckoning 30 Degrees to each Sign.

2º Stereographic Projection on the Plane of the Eminoclial.

Let S C (Fig. 24) be the Meridian, and failitial Colure 3 E N the equinocial Colure, and Hone-reite of 6; I' the North Polis, 6 as, the Northorn Tepeisk, E fig. N the North Polis, 6 as, the Northorn Tepeisk, E fig. N the Fig. 20, 100 and 100 and 100 and 100 and 100 and 100 and ferting of the Secure of 2; Degree 2 p. Hienser from 5) and in Polis at at the interfection of the Polis Crick and Merid-dian, being the Place through which all Circles of Longl-unde main pais 3 and E X N the Heritan of London, which to deferrided thus: Out the Hell-Reagens of the Co-laintable, from the Control of the Co-laintable of the Co-laintable of the 100 and 100 an edecited that is der the Half-sugern of the Co-intrack, from P to Q, rep. 24, plus the Tracest of the fines, is from P to Q, rep. 24, plus the Tracest of the fines, is from P to Q, rep. 24, plus the Tracest of the fines, is from P to Q, rep. 24, plus the Tracest of the fines, is formed to the plus t

3º Stereographick Projection on the Plane of the Horizon.

First draw a Circle reprefenting the Horizon, and quarter it with two Diameters; then will 2 be the Zenith of the Place,

12 % 12 the Meridian ; 6 % 6 the prime Vertical, or Azimuth of Eaft and Weft ; (Fig. 25.) make % P = Half-anagent of \$5 % 20' (or Tangent of 19 % 15') P finall he the Pole of the World. Make Z E= Half-anagent of 51 % 30' (or Tangent of 25' 45')

State Z. E. Halt compared xy \*2 of coTrangum of xy\* of y) and E = Board & For 
the Zeoith and the learning section  $S_{\rm c}$  and the learning section  $S_{\rm c}$  and the learning section  $S_{\rm c}$  and  $S_{\rm c}$  be the Northwesth or upward from a. For the Island section  $S_{\rm c}$  is the Northwesth or upward from a term of the Section  $S_{\rm c}$  is the Section  $S_{\rm c}$  is  $S_{\rm c}$  and  $S_{\rm c}$  is  $S_{\rm c}$  in  $S_{\rm c}$  and  $S_{\rm c}$  is  $S_{\rm c}$  in  $S_{\rm$ 

SPIRALGROUNDERPY, DIALLING, &c.
STEREOGRAPHY, the Art of drawing the Forms of
Solids upon a Plane. See Solid.

The Word is form'd from the Greek, ries@-, Solid, and press. I deleribe.

STEREOMETRY, that Part of Geometry, which
strength how to measure Solid Bodies, i.e. to find the Solidity
or folid Content of Bodies; as Globes, Cylinders, Cubes,
strength Schinders, See Strength and South Park. I describe

Veffels, Ships, &c. See Solin and Solinity.

The Methods hereof, fee under the respective Bodies, as

GLOBE, SPHERE, CYLINDER, Co.

The Word is form'd from the Greek, sugair, Solid, and paren, Mesfure. See Cubature. STEREOTOMY, the Art or Science of cutting Solids, or making Sections thereof; as in Profiles of Architecture, in Walls and other Solids to be cut. See Section.

in Walls and other solids to be cut. Se Eucrios. The Word is formed from spelt, and rugh. Section. SIERILITY, the Quality of forething Barrers; in opposition to Fearing's Sec Barasans and Facus Internsity. Signify was held a girleous Affilktion by the Wires. As a second Signify was held a girleous Affilktion by the Wires. In monitrous Productions, that the Creation might not deep neural. Hence the Stritling of Makes, etc. Sec Monvras.

nerate: Hence the Strining or stunes, go-durts, gife.

The Strining of Mercary, fays the Alchymith, refembles that of Womon who are too cold and moilt; and who, by being parged and beated, would be raifed from their Strining, as Mercary is when parged according to the Rules of Art.

The Word is form'd from the Latin Strinits, of Strinit,

Barron.
STERLING, a Term frequent in the English Commerce.
A Penal, Shilling, or Verny Shreiger, Signies as much as a feet of the Commerce of

Coin was anciently lunck, that is time came to give Name to all the reit.

A Spilanta skeine the Veroet from Endelling, Cambled, The Spilanta skeine the Veroet from Endelling, Cambled, That is the Reign of King Raisenfell Monoy could in the Eall Farm of Germany, Joyan to be of Epichael Request in England, by reafte of the Parity thereof, and water called Enderling Monoy; as it is the Laisbearns of the Cointeg, were the asias feet from our development, which is Cointeg, were the asias feet from our development and the Cointeg, were the asias feet from the America of the Cointeg, were the asias feet from the America of the Cointeg, were the asias feet from the America of the Cointeg, which is not always which the other than the America of the Cointeg, to the Cointeg, the Cointeg of the Cointeg, the Cointeg of the Cointeg, the Cointeg of good and lawful Money, &c.

Sommer, again, derives the Word from the Soxon, Steore, a Rule or Standard; intimating, that this, as to Weight and Finences, was to be the common Standard of all current Mone In Stote, and fome other of our ancient Writers, Eaflerling

is used for a certain Coin, amounting nearly to our Silver-penny; and on fome Occasions we find the fame Word Ster-ing used in the general for any Piece of Money; it being observables, that, for a good while together, there was no other coin but Pennick, with which Sterings or Effective were become fynomymous: Much as among the Ancients, the Word Pomentain and Manustum were order. See Tensive, DENA-

Denaymin and remnant were used. See Fenny, Dena-rus, Numans, Ede.

STERN of a Ship, is all the hindermost Part of het, geography speaking; but properly, it is only the outmost Part of het, abult, See Strip, Asabry, Ede.

Syzars, among Hunters, is the Tail of a Grey-bound or

a Woit.

STERNOHYOIDEUS, in Anatomy, a Pair of Mußles
arifing from the upper and internal Part of the Bone of the
Sternum, and part of the Clavicle, and adjoining Part of the
first Rib, with a broad Origin; and which running from the
Afpera Arteria, Gandulæ Thyroideze, and Carrilago Seniformia, terminates in the Bafe of the Oe Hyosides. It draws the Bone ftraight upward

STERNOTHYROIDES, in Anatomy, a Pair of Muscles STERNOTHYROIDES, in Anatomy, a Pair of Muscles of the Laryms; arising in the Szernum, or Breast Bore, and terminating in the Cartilago Thyroides. They serve to draw down that Cartilage.

down that Cirtuige.

STERNUM, Prooft-lone, in Anatomy, a Bone that
THERNUM, Prooft-lone, in Anatomy, a Bone that
makes the Fore-part of the Breaft, and is fituated in the
maked the Risk. See Boxs.

In Adults, it confills of one fought Pieces but in Infants,
In Adults, it confills of one fought Pieces but in Infants,
In Adults, it confills of one four-five of Age, Kerkringian
talls up, he has never freen once than Six. They conting
the Confidence of Age; and are not very
continuous and the Confidence of Age; and are not very

Cartilagions will several scars to super a season of the control of the Extremity of the Strengton, at the lower Extremity of the Strengton, is a Cartilage, At the lower Extremity of the Strengton, is a Cartilage, of the Control of

being, as it were, couch'd upon it. STERNUTATIVE, or STERNUTATORY, a Me-

dicine proper to occasion Sterminitors, or Successing.

Stemminitories are of two Kinds, gentle and violent: Of
the first Kind, are Becony, Suge, Margoram, Tobasco, &c.

Of the latter, are Euphorbium, white Hellibore, Pellitory,

€\$¢.

Sternutatories have their Effect by their sharp, pungent Parts vellicating the inner Membrane of the Nofe, which is exceedingly fensible, and occasioning the Scrous Matter con-tained in the Glands of the Nofe, and in feveral Sinus's fituur. in the Bafe of the Cranium, and the Os Frontis, to be expell'd.

STEW, a kind of finall Fish-pond, the peculiar Service

STEW, a kind of small Fith-pone, me pecular curves whereof it, no maintain Fith, and keep them in Reddines, for the daily Uses of a Family, Use. See First.

The Fith hered in the large Ponds, are drawn and put in here. For two large Fonds of three or four Area spices, this adviteable to have four Stews, each two Roda winds, and three long. The Stews are distally in Gardens, or a large three long. The Stews are distally, and the best level here held the start level of the start level

The Method of making them, is to carry the Bottom in a continual Decline from one End, with a Mouth to favour the drawing with a Net. See Ponn. Snews or Stues, are Places anciently permitted in England, o Women of profess'd Incontinency, for the Proffer of their

Bodies to all Comers.

Bediet so all Comers.
Thefe over under Fatisher Salles, and Lawn of Discipling. Thefe over under Fatisher Salles.
The Word is probably between the present plane of the Manne.
The Word is probably between the prepare themselves for vectorial Acids, by Bathlangs and that this is not now.
STEWARD, to Resolution, and the probable of the Salles Sal

Room, and Wierie, Wind, or Keeper, et. a Lieuwann y etchn spignost in 1902 Edition. In the first she highed Officer of the Cowen; as having the Power of what Weel a Fig. Roy, the Fig. Roy. & Edition, of the Weel a Fig. Roy, the Fig. Roy. & Edition, and the Jowes. The common Lowers with him Magant Anglie Swapping. The common Lowers will him Magant Anglie Swapping. The common Lowers will have been the King and after him to the contract of the second way, immediately under the King and after him to the contract of the contr

to his Hand and the Trial, Etc. ended, he breaks his Smift, and which, in force Records, is called Gallhalds Transactions to the Hopked, is an Office: to whom much wide that of the Hopked, is an Office to whom much wide that did not some been fold.

and with it, ha Committion experse,

Jar 8 Serwars 19 of the Heights, is an Officer to whom

the State of the Kings Hour's normatives; no be rold and

and Servars of the Kings Hour's normatives; no be rold and

committee of the Kings Hour's normatives; no be rold and

committee of the Kings Hour's normative to the

Claspel, Canmber and Stable which me under the Lord

Chambertan, Martle of the Heffer, and Denot of the Chapel,

The Jard Stream's, by Virtue of his Office, judges of all

Exermities, an Frencies, Martlers, Felors, Boodfords, Ge
committee on the Torsion, Martlers, Felors, Boodfords, Ge
committee on Torsion, Martlers, Felors, Boodfords, Ge
committee on Torsion, Martlers, Felors, Boodfords, Ge
committee on Torsion, Martlers, Felors, Boodfords, Ge
tie Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Boodfords, Ge
Torsion, Martlers, Felors, Felors, Boodfords, Ge
Torsion, Martlers, Felors,

is ten maies all around the chief Tunnel of the Court (Low-dos, only, by Charter, exempted).

The fame Officer ministers the Oath to the Members of the Houle of Commons, at the beginning of each Parlia-ment; and at the end of the Parliament, adjusts the parlia-

mentary Expences. The Badge of his Commission is a white Staff, which he bears in the King's Presence; but which at other Times is

carried by a Footman bare-hea

centree by a Footman Infer-headed.

STEW AND of A Shift, is the who receives all the Victuals from the Purfer 5 and is to fee it well flowed in the Holds all Things of that Nature belonging to the Shift, but he in his Catledy: He looks after the Erend, and didribus cout the feveral Medica of Victuals in the Shift. He hash an Appartment for himself in the Hold, which is called the Stream's Rome.

Sciences's Mone.

STIGMATA, in Antiquity, certain Marks impecifd on the Left Shousder of the Solidies, with mile that the Souther of the Solidies, with mile that the Committee of the Solidies, with mile that the Committee of the Solidies, with the Solidies of the Solidi

iii. Soe Franceiscan.
Two ore Morning, about the Feeth of the Eculiatrice, in the Year 1724, that St. Emort, being at Proyer on Mount ofference, whiches he hd existed to with the Laboratomic ofference and the head of the Company cit. See FRANCISCAN.

Five Rays proceeded from the Five Stone date of the Perton credified, and were directed to the Came Five Parts of the Body of the Stint. Upon the Vision's disappearing, he saw the Marks of the Nails, 8%, on his Hands and Feet; the same as he had seen them in the langue of the Crucifis. This Hands and Feet were

Nails, Gr., on his Hunds and Feet , the laws, as he had one them in the larges of the Credit, in: Hunds and Feet were them in the larges of the Credit, in: Hunds and Feet were Nails were plants feen within the Birth as one side, and he Point elected, on an the cuber. On his group Sode, prevent plant and the Credit of the Credit of the Credit of the numerical blood, that then the Credit of the Credit of Feet to The good Man, we can sold, such laws and Feet were feen in the Life-time, manyer all his Bodes come, by feeted of the Robertscook, she affirmed it upon control to the Group Credit of the Credit of the Credit of the Credit had been compared to the Credit of the Credit of the Bodes of the Credit of the Credit of the Credit of the body by World and Wirning, and experted it is in the Payers, Andrean, Ge. composition of the Credit of the Credit of the Andrean, Ge. composition of the Credit of the Credit of the Andrean, Ge. composition of the Credit of the Credit of the Andrean, Ge. composition of the Credit of the Credit of the Andrean, Ge. composition of the Credit of the Credit of the Andrean, Ge. composition of the Credit of the Credit of the Credit of the Andrean, Ge. composition of the Credit of the Credit of the Credit of the Andrean, Ge. composition of the Credit of the Credit of the Andrean, Ge. composition of the Credit of the C

natherns, use. compoted in Henous of the Present,
After his Death, they were fren by Fifty of his Religious,
is well as by St. Clars and her Nuns, and an infinite Number
of Secularty many of whom felt them with their Hands,
to be the more certain.

to be the more certain.

A foliam Ferdi was hereupon appointed to be annually exherted, in Memory of the Martic, called The Ferd of the protection of the State of the State of the State of the State of the Control of the the State of the Control of the the State of the Control of the State 
STIBIUM, an ancient Name for Antimony, now feldom

fed. See ANTIMONY. STILE and Stiles. See STYLE.

STILE and Salite. See STYLE.

STILES, in Capterny, Gfr. are the spright Pieces,
STILES, in Capterny, Gfr. are the spright Pieces,
which go from the bottom to the top in any Winter,
STILLATTION 26 ft a are fash as are precased, by
Billimbers, in opposition to good by infinite properties,
STILLATARD, in Commerce. The Complexy of the
STILLATARD, in Commerce. The Complexy of the
STILLATARD was a Community, or Corporation of foreign
Mechann, childrich of at Lendor, the single oil, from the Piece
wither they had their Redduces, called the Suffer for are
the Budge, which was sligned them by Act of Parliments.

This Company was created in the Year 1215, under He ry III. in livour of the free Cities of Germany, who had been affiliant to him in his Wars against France. See Com-

MERCE.

The desired with the desired of all the English Manufactory and the desired with the forestern of the light, and English the frequency and English with the frequency of the judge, until English 1977. The desired with the frequency of the light, and English with the frequency with the desired with the de

the Part affected,

the Part attected.

Stimulants produce Pain, Heat, Redness, &c. They may be reduced to violent penetrating Deplicatories 4 gentle Sina-pujins, Vojicatories and Caufficks. See Sinapinm, Vesica-

TORY, &c. STING, an Apparatus in the Body of certain Infects, in manner of a little Spear; ferving them as a Weapon of Offence.

Otierce.

The String of a Bee or Wafp, is a curious Piece of Mechanistis. It constills of an hollow Tube, at the Root whereast, is a Bag fall of flarpy penerating Juleo, which in Strages, is injected into the Elest through the Yube. Within the Tube, Mr. Derbans has observed, there he two final thurs-bested Spears: In the String of a Waff, be two Highly Boards on the Side of each Spear, formewhat like the

Eight Beitel so the Side of each Spear, finerwhat like the Bentref of Fish-board. One of the Spear, finerwhat like the Bentref of Fish-board in the Singe or Sherth, Sie with its Pours a little before the other; to be ready, as fluind't fem-tode first durred men the Fish-which one for the present of the signal of the signal of the signal of the signal substrately pierce deported deteger, the Flexel's taking one and more hold in the Fish, after which, the Sheath or Sing fishous, no convey the Policia into the Wanad; which, that it may pierce the better, is drawn into a Point, with a "Bull Sin Edow har Peter, for the two Spears to once our

at.

By means of these Beards it is, that the Animal is forced to leave its Sing behind it, when diffurlyd, e'er it can have Time to withdraw the Spears into their Scabbard,
Time to withdraw the Spears into their Scabbard,
STENCER, a diagreeable Smell exhaling from a corrupted or other Bodys, and which is prejudicial to the

Nofe and Brain. See SMELL.

No.6 and Brein. See Sayta.

A following Breinly, sprilliply the Refulle either of difficult Lange, or of Rodenick Curns, 15th.

Refulle of Breinly, sprilliply the Refulle either of difficult Lange, or of Rodenick Curns, 15th.

Breinly, 15th.

Refulle of the Refulle of a deep Ulcer within the No.6, where can't find Soche, 15t. In Case, seconding to Goles, is a fluxy, parted Banour falling from the flux, or the Propring Manufactor.

STIFLENIN, Springerimes, among the Romens, fignified STIFLENIN, Springerimes, among the Romens, fignified with Arthonomic See Tax user. genullarity see the fance with Arthonomic See Tax user.

STIFLENIN, Division, the Coll Law, the A&O of Spring Lange, that is, of traving and omichaling of Cluston and CONYMACT.

COUNTRACT.

Stipulations were succently performed at Rome, with
Stipulations of Coremonics; the first whereof was, that one
Party Bould interrogate, and the other answer, to give his
Confent and oblige himself.

Stipulate, but we no Body could Stipulate, but

By the ancient Roman Law, no Body could Stipulate, but for bimfelf; but as the Tabellianss were publick Servants, they were allowed to Stipulate for their Mathers; and the Notaries fuccoding the Tabellians, have inherited the fame

Privilege, with a famil a foom the Latin, Stipule, a Suraw a The Washington, Suraw was grown the breakfar, in figure of a real Dilarcey. Shows was grown the breakfar, in figure of a real Dilarcey. Shows was grown the Joseph Which Callon is full restricted in the Res Part of Process, particularly at Priviles The Callon dways has been on them, and eight the like Moseley which they afterwards joyd a gain, no recognise that Promite. The April Inc., and another Law of the Improcess Priviles. STIRROP, a Real of Support for the Horf-camb Boot's ferring to keep this form in his Stat, and enable has to

ferring to keep him that to the second mount. See SADILE.

The great Art of a Cavelier in a Tournament, was to make his Antagonid floch his firm, but the Right Foot Stirrep For Combating, 'tis a Re other.

[Kk] Mattibiolis

For Stocks of Fruit-trees; the belt to Graft on; are those rais'd of Keruels of Wildings and Crabs of the most thriving

Though the Fruit always take after the Graft; yet the Stock has fome influence. A wild Stock is always found to

Steek his fome Influence. A wild Steek is always tound to enlive an dell Apple. See Esson APTINO. To have a Quantity of Steek to gotf on 5 old Trees are to be cut down within two Inches of the Ground, which will cause a multitude of Suckers to rife from the Roots. will caulé a multimée of Suckers to rifé from the Roots. When these are fine Haif a Yard, bey are to be covered up with Rod. Haif a Yard, bey are to be covered up with Rod. Haif a Wheter are to be conveyed into the Norter's, where, in a Yar or to be conveyed into the Norter's, where, in a Yar or to we, they will be roady to Graft. Chryz Orcels, "Planch Streets and "Four Streets may be thus middle that the way are profered. See Favr-Yfree, &C. STOCK-FISH or STOCKFISCH, in Commerce, a kind effected, slitch Fish of a greyth Alla-colear, only the Bolly

formewhat whiter. See F18H.

somewast watter. See Fisst.

The Commerce of Stack-fig is very confiderable in Holland, hoth from the great Contumption thereof in the Country, and from their Victualing their Veffels therewith. The faid to take its Name, from being as hard as a Street, or from its needing to be beaten with a Stick, to fit it for Rating. See

STOCKING, that Part of the Cloathing of the Leg and Foot, which immediately covers their Nudity, and directs them from the Rigor of the Cold. Anciently, the only Stockings in Ufe, were made of Cloth or mill'd Stuffs few'd together; but fince the Invention of knitting and weaving Steekings of Silk, Wooll, Cotton, Thread, &c. the Use of cloth Steekings, is quire out of Doors

The modern Stockings, whether wove or knit, are a kind of Tiffues form'd of an infinite Number of little Knots, call d Stitches, Leafes or Magues, intermingled in one an-

Keit Svoentsen are wrought with Needlen mude of po-lift diren or Ends Wire, which interwere the Threedo, pa-form the Maffice the Stricking conflits of. This Operation is a form the Maffice the Stricking conflits of. This Operation is call Kenting; as the invention whereast is were Restrict, on this ground, that the fift Works of this Kind came from theme. This added, that it was no this Account, that the Campany of Nordrige kentirest chibilith at the Paris in 15.7. No. 10. The Kind of Kentine. Kois Sypenings are wrought with Needles the Son of a King of Scotland.

Hove STOCKINGS, are ordinarily very fine: They are ma-nufactured on a Frame Machine made of polifit'd Iron; the mutactured on a Frame Machine made or possible drong structure whereof is exceedingly ingenious, but wishal exceedingly complex, fo that 'twere very difficult to deferibe it well, by reaften of the Diverfity and Number of its Parts; nor is it even conceived, without a deal of Difficulty, when working

before the Fac

belore the Fiece.

The Built and Frace have greatly consided the HosourThe Built and Braze have great year the Matter of
the Incoming of the Streting dear is that the Matter of
the Incoming the Built and the Matter of
the Incoming the Built and the Matter of
the Built and the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Matter of
the Mat

admired, and the vehicular revarious according to this shorts.

The Invention thus imparted to the Digilit 5 they became fo judges hereof, that for a long Time it was forbid, under pain of Death, to carry any of the Machines out of the filland, or communicate a Model thereof to Foreigners. But as twent a Preschasses fifth intrich do are Nation with it, to a twent of the properties of the as 'twees a Freechmens first 'inrich'd our Nason with it, for a Freechmens first curried; it Abrond 3 and by an extraordinary Effort of Memory and Imagination, made a Loom at Faris, on the Idea he had form'd thereof, in a Voyage be made to England. This Loom first fer up in the Year 1646, bas firred for the Model of all those fince made in France,

STOCKS, in Ship-Carpentry, a Frame of Timber, and great Posts, made ashore, to build Pinnaees, Ketches, Boats and such small Craft, and sometimes small Frigates upon. See SHIP and VESSEL

Hence we fay, a Ship is on the Stocks, when she is a build-

<sup>110</sup>A. STOICISM, the Doctrines and Opinions of Zeno's Followers, call'd Stateks. See Stroices. STOICKS, a Sect of ancient Philosophers, the Followers of Zeno's thus call'd from the Greek, 522, Portice, in regard.

Mattinint oblives, that the Turks have a knuck of Zoro field to tenth under a Portice or Plazas. See Plazasis.

2. Zoro field to tenth under a Portice or Plazas. See Plazasis.

2. Zoro field to tenth under a Portice or Plazas. See Plazasis.

2. Zoro field to tenth under a Portice or Plazas. See Plazasis.

2. Zoro field to tenth under a Portice or Plazasis. See Plazasis.

2. Zoro field to tenth under a Portice or Plazasis. See Plazasis.

2. Zoro field to tenth under a Portice or Plazasis. See Plazasis.

2. Zoro field to tenth under a Portice or Plazasis. See Plazasis.

2. Zoro field to tenth under a Portice or Plazasis. See Plazasis.

2. Zoro field to tenth under a Portice or Plazasis. See Plazasis.

2. Zoro field to tenth under a Portice or Plazasis. See Plazasis.

2. Zoro field to tenth under a Portice or Plazasis. See Plazasis.

2. Zoro field to tenth under a Portice or Plazasis. See Plazasis.

2. Zoro field to tenth under a Portice or Plazasis.

2. Zoro field to tenth under a Portice or Plazasis.

2. Zoro field to tenth under a Portice or Plazasis.

2. Zoro field to tenth under a Portice or Plazasis.

2. Zoro field to tenth under a Portice or Plazasis.

2. Zoro field to tenth under a Portice or Plazasis.

2. Zoro field to tenth under a Portice or Plazasis.

2. Zoro field to tenth under a Portice or Plazasis.

2. Zoro field to tenth under a Portice or Plazasis.

2. Zoro field to tenth under a Portice of Plazasis.

2. Zoro field to tenth under a Portice of Plazasis.

2. Zoro field to tenth under a Portice of Plazasis.

2. Zoro field to tenth under a Portice of Plazasis.

2. Zoro field to tenth under a Portice of Plazasis.

2. Zoro field to tenth under a Portice of Plazasis.

2. Zoro field to tenth under a Portice of Plazasis.

2. Zoro field to tenth under a Portice of Plazasis.

2. Zoro field to tenth under a Portice of Plazasis.

2. Zoro field to tenth under a Portice of Plazasis.

2. Zoro field to tenth under a Portice of Plazasis.

2. Zoro field to tenth under a Portice of Plazasis.

2. Zoro field to tenth me a supposed to have borrowed many of his Dogmas from the Phanician Philofophy, which many learned Man have flown was, itfelf, borrowed from the Jewife or Mafar Phi-lofophy; though it mail be allowed, there appear as many Talings in the Grack Philofophy, borrowed from Plate's and Secretic's School, as from that of Mofes.

Sterreit's School, as from that of Mofes.

Zion miking a randing Voyage for infinite to detail.

Zion miking a randing Voyage for indipressed a fitter from Forz, upon which, we are told, confining the Chapter of the More from the fitter of the Mose for the warm fower of the fitter of the Mose for the warm fower of the fitter of the Mose for the warm fower of the fitter of the Mose for the warm fower of the fitter of the Mose for the fitter of the natural Modelty to give in to the Cyale Impudence. From Crates, he had recourse to Xenterates

Polemon; and at length began to think of inftituting a new

To this Purpofe, a sed, Pertico, call'd from the Pictures of Poligorius therein, the painted Pertico, was pitch'd on Here uling to walk and philofophiary, he was foon attended by a great Number of Difciples, hence call'd Zrainsl, State. He became exceedingly reverenced at Alberts, for the Pro-bity and Severity of his Life and Manners, and the Confiftency biry and Severity of his Life and Minnens, and the Confillency thereof with his Doltrine; informed. In the Athenium of cered cered him, when living, a golden Crown, and afich in dubon his particular to the confidence of the Confillence of th

of the former Kinds, are as follows.

That there are certain sensologe, Comprehensions, which others call some to under, common bottoms of neutral control and the control of God's shabiting, and instrumed the control of the control Conflagration

Configuration.

For the Monitary of the Studie's 'reuse counted much in The Tor the Monitary of the Studie's 'reuse counted much in Tor the Monitary of the Studie's read to the Studies of Monitary in the multi of the Revent's Torset as wife Mon is always the fines, and always perfuji That a wife Monitary in the multi of the Revent's Torset. That a wife Monitary is always to the first, and always perfuji That nows but a wife Monitary with Monitary in the Monitary to the Studies of Monitary to the Control of Monitary in the Monitary that we can be compared with humidity. That now but a wife Monitary the contented with humidity That wife Monitary the contented with humidity. That we have a wife Monitary the contented with humidity That will be difficulty and the supplementary that all used I branes are including connected together. That all used I branes are including connected together than all used to the supplementary that the s might be loft or no, was horly disputed among them; Cleryfippus held it might, by Drunkenness and Atrabilis; Clearthes, that it could not, by reason of the firm zarraxidat,

Comprehensions.
They own of but one God 3 whom, however, they call'd by rations Names, as affine, Pairs, Tupiters, US, by which they ded not mean various librags; but vertices Powers and Red of not mean various librags; but vertices Powers and Red under the Name of Fairs, which Chrysphra delines to leek natural Sprice or Comprehension. This promotally following naturally following the proposition of Things mutually following the proposition of Things mutually followed affect by an immutually Nexus or Tie first from all Energies. Lally, the plack That the houns Soul farried after Desh. See Fax's, Ger.
STULL, SPOLIA, a Benezonite, as a Next of See See

STOLE, STOLA, a Secretoral Orumona, wore by the Remips Parith Prints over the Surple, as a Mark of Surple Facility to their reflective Churches; and by other Peters over the Alth, at exclusion of Most, is which Colls, if person or the Alth, at exclusion of Most, is which Colls, if person of the Most of the Most of the Remips Colls of the Most of the Remips Colls o

Flanders

'Tis fup Flouders and Italy, they always preach in States. "Tis fup-posed to be a Representation of the Extremities of the long Robe were by the ancient High Prietts. The Word is Greek, such, fignifying a long Robe or Vediment.

sud, fignitying a long Robe or Veilment.

The Steds of the ancient Romans, ESc. was very different from that now in Ufe 5 that being a kind of Robe firer for Wearner than Men; the 'twas held a Robe of Honour among all Nations. Kings themselves fornerines used it,

among an inations, using the mistives informations used it, and founcements believed it as a Reward of Virtue.

Green of the Stront, the cidelf Gentleman of his Mariety's Bed-chambers, whose Office and Honour it is, to pre-iest and par on his Majetly's first Garment or Shire every Morning; and to order the Things in the Chamber. See

Ban-Chamber.

Ison Committee. Server, an Order of Unipher influence by Order of the Server, and Order of Unipher influence by Order of the Server, though as no the matriciar Author, or Time of the Institution, we are in the Dark. The first Time we have no fit, is under Alphaping V, who monasted the Tiltone on 1416. Juffunsati cakes it to have been instituted about the Care 3323. Milliary Order as Vinite, Order of the Goldens Server, a miliary Order as Vinite, and the Care 3321.

thus called from a golden Stein which the rangest what over the Left Shoulder, reaching to the Knee, both before and be-hind, a Palm and a Hall broad. None are raifed to this Order but the Patricians or noble Vecetiant. Infinite observes, That the Time of the Inditution of this Order is

unknown, STOMAGH, Festriele, in Anstony, Efr. a hollow, membranea Organ, defined to receive rice Food, and convert like Food, and convert like Food, and convert like Food, and convert like Food, and the food of 
Spleen,
It has two Orifices, one at each end. The Left Orifice
is called eyear, 69, from reag, Mosath; and alfo neghes: This
is join'd to the Offichipagas; of which it it even to be only
a Continuation: By this Orifice, the Aliments enter the
Stemacis, where being dispetled, they aftered obliquely
to the Pjörnir, or right Orifice, which is united to the first
of the Intellines. See Processes.

of the Intettines. See PYLORUS.

The Normatic condition four Membranes or Coats; the first and immoit is form'd of short Fibres, which stand pendicularly upon the Fibres of the next Coat; they are to be seen plainly towards the Pylorus: when the Normaria is diffended with Mext, theref Fibres become thick and short. Whilft they endcavour to reflore themielves by their natural Whilft they endeavour to reflore themselves by their natural Salistiery, they commit the Caviry of the Sometic for the Statisticy, they commit the Caviry of the Sometic for the much larger than the red, being full of Paiss and Wrinkley and chiefly about the Pylenus; Thefe Plains retard the Cavir, that it run not out of the Sometic before it be Cavir, that it run not out of the Sometic before it be No. above final Calland which Capante a Liquor, which he is the Caviry of the Sometic, and helps the Com-cible of the Admirance of the Sometic and the Cavir collins of the Admirance of the Sometic and the Cavir is Cost in

called the Fineite Gameholfs, and thinner; it is alongother. The Second is much fines Such, and shide Northy.

The Second is much fines Such, and shide Northy.

The Third is Makeslar, being made of threight and occupate the Second Se

Digeftion of the Alineuts, is in great measure performed.

The fourth Tunic is common; it comes from the Peritoneum.

The Stomach fends Veins to the Portse, and Branches

In the tourist a tentile as somework to the Peers, and Brackers
tentil. The Brackers for the Peers, and Brackers
tentile and the Brackers for the Brackers for the Coline; all lying immediately under the fourist Cost.
The Epiths Patie of Nerves gives two condiderable
Branches to the Branche, which are firead much about the
Branches to the Branches which are firead much about the
allow proceeds the great Sympathy betwise the Exempt
Head and Heart; on account whereof, Fan Hilmaget thought,
when the Soal head its Seat in the upper Orlice of the

For the Metion of the STOMACH; Dr. Pitt in the Philofe Phical Translations, acquaints us, that in diffiching a Dog, he found the peritalitic Morinn of the Guts continued through the Statechy, the Pylorus, which is usually found as ultrough the Nomech, the Pylorus, which is usually tound as high as the Disphragma, being, in every Usolation, brought below the very bottom of the Scometh; to that he could manifelly observe a Constriction in the middle of the Scometh, at every Motion downwards, passing it, in, fa. 2s to be able to compress whatever was contained in its Cavity.

These Motions, he observes, were as regular as any he cremobserved in the Guts; and adds, That he has since observed

out a live on telling as Eaglest, villuss, etc. have only ne. Sec Cannivonous, Eff. STOMACHIC, a Medicine that firengthens the Stomach's old promotes the Office of Digettion. See Stomach. Oi this Kind are Wormwood, Rhubard, Mint, Maflic,

Alors, Pepper, Cinnamon, Aromatick Bitters, Sc. good Wine is also a Stomachic. STOMACHIC, in Austrony, is applied to the Arteries, Veins, &c. of the Stomach; call'd alfo Gaftric. See

The Sysmachic Veins terminate in the Trank of the Vena

Ports, and the Splenic Vein.

The Stomeshie Arreries arife from the Corliac

and community arrents arise from the Cociae.

The Scenacky Nerves come from the Eughth Pair,
STONE, in Navani Hiltory, a bard, folid, mineral
Body, neither fuffile nor melleable, form'd, in Sacceffiun of
Time, in the Body of the Earth. See Fossiz.

## Origin and Formation of STONES.

For the Origin and Formation of Source, M. Tierraffor, on the Remarks and the start of the Start 1702, proposed to the Regal Audienty, as we Theory.

On a carious Survey of the finused Labertinal Grave, the buddered, dast terval People had Improve thee Taimes when the Control of the Control

than by supposing the Cavities of the Letters fill'd insentibly, with a Matter issuing from out of the Substance of the with a Matter filling from out of the Subblance of the Rock; and which even tiffed in greater Abundance than was necellary for filling the Cavity. Thus is the Wound made by the Knief healed up, much as the Fracture of a broken Bone is confoldated by a Callus, form'd of the extravalated nutritious Jaice, which rifes above the Surface of the Bone: And this Kefemblance is the more just; as the Matter of the Lectices was found whitfill, and the Rock itfelf greyish. Something very like it, is observed in the Barks of Treer,

Sometiang very like it, is observed in the Barks of Trees, wherein Letters have been ear with the Knife; fo that the Poet had Reason to fay, That the Characters grew as the Trees themselves grew: Crefent ilke, orderts amores, M. Fourneter tupports his Opinion by Smilat Calusto apparently found in several other Chowes, which re-unite them of the Medicalements have the controlled.

apparently found in feveral solder Storet, which re-unite thum, siret, by Academt, they have been broken. In Freen their Olderwitton, it follows, that there as Storet Fed their Olderwitton, it follows, that there as Storet Fed that the final pulse which countries riven, freeze to rejoys their Parts when because he because the Animals, so the Ements of Tevera, when kepe up by Animals, so the Ements of Tevera, when kepe up by There is, then, no room to doubt but that they are orga-nized, as that they draw their northinos Jusice from the Earth. This Juice mult be first filtrated and prepared in their doubter, which may be here element as a kind of

their Surface; which may be nere circum's as a kind of Bark; and hence it must be convey'd to all the other Pare. "The highly probable, the Juice which fill'd the Cavines of the Letters, was brought thither from the bottom of its Roots; not is there any more Definctly in onceiving this, than in comprehending how the Sap floudd pass from the Roots of our largest Oaks, to the very Extremities of their highest Branches,

hopfeld Branches, the Breat of the Trees is exceeding the rand be consend, the Breat of the Brea

along the narrow Canals of these excessively hard Bodies, as well as through those of Finns, which are much less hard. See SHELD

Some Stones, then, mult be allow'd to vegetate and gro like l'iants : But this is not all ; probably they are generated in the fame Manner; at least there are abundance of Stoves, in the same wanner; a test three are abundance of Stoort; whole Generation is unconceivable, without supposing they come from a kind of Seed, wherein the organical Parts of the Stoort are wrapped up in little; as those of the largest Plants are in their Grain.

The Stones, call d carm Ananonis, Lapis Judaicus, Aprauta, thole of Velegue and Flarence, the leveral kinds of Pyrites, Sea Mushrooms, Crystals of the Rock, and an Infinity of other Stones, Suppose their feveral Seeds 2 as much as Mushrooms, Troffles, and various Kinds of Mostes, whose Seeds were never yet discovered. See Mushroom, Crearat,

Conal, Sc. How floodd the Corns Ammonis, which is constantly in How floodd the Cornt Manhours, which is contrainly in Figure of a Volate be torn'd outhout a Seed, containing that fame Structure in little? Who moulded it fo artfully? And where are the Moulds? Far from this, the & Kinds of Stants are found in the Earth, like common Flints. Nor were either Moulds or any thing like them, ever difeover'd. See CORNU AMMOUIS.

M. Tournefort examines the feveral Kinds of Stones abovementioned, and finds them under the same Necessity of Seed. Again, that immense Quantity of Flints, wherewith the

this Theory.

The Country there, for 20 Miles round, is full of roundish Plints; which are full tound in equal abundance, to whatever Depth you dig. M. Pervice, who first proposed the Generation of Severt by means of Seeds (though he took the ration of Stower by means of Seeds (though he took the Word Seed in a very different Stufe from M. Yournefor) fifth brought this extraordinary Campagne as a Proof thereof. In effect, how could be many fimilar Films be form'd t There is no sking they are coveral with the Words, with out afferting at the fame time. That all the Stoors in the Earth were nodes of a read-Earth were produced at once, which were to go directly con-trary to the Obiervations above-mentioned.

Among the Seeds of Stones, M. Tournefort observes, there Among the executed the state of the state of the Earth, but even became liquid. Thele, then, it that yet pelices of the Earth, but even became liquid. Thele, then, it that yenetrate the Pores of certain Bodies, grow hard, petrify and affaine the Figure or Imprefixon of the Body: Thus what we call

the Figure or impression of the Body: Thus what we call pellinists, Content, Myrallies, Objective, Myrallies, Edwinston, Lander, Myrallies, Object, Myrallies, Edwinston, Object, Myrallies, Edwinston, Objective, Statistics, Objective, Statistics, Objective, Objective, Statistics, Objective, Object grows like other Areass. 118 nighty probable that fuch Rocks as are only an Affemblage of multi-tared filins have been form'd by a Number or their liquid Seeda; in like Manner as the Quarries full of Spells; unless the Rocks have envellop'd their Bodies in their Growth. He adds, that there are Seeds of real Sours nelosed in the

certain Shell-fish; as well as that hard folid Matter deftin'd to the forming their Shells

Matter defined to the forming their Shelli, There is a particular Kind of Shell-filh, calld Pholos, which is never found my were but in Cavines of Films, which are always found exally feired to receive them. Now, 'it's highly improbable the Fifth flouid come and dig fich a Nithe to Phawe in; it much more likely, the Sweet they are found indotted in, were at fairly fort; and that the Butter they are form do, was organizely found in the Spause, in like Manner as the Matter which forms the Egg-fhell, is really found in the Seed thereof.

really found in the forch thereon.

From the works, be concluded, that the Sect of Storer, Derm the works, be concluded, that the Sect of Storer, Derm the works, be concluded from them white they are alive, i.e. while they consince to vergette as above. This Dulm tay be compared to the Sect of Terret Plants, in hold of Terret Capitaries, Modife, the Capitaries, Modife, the Capitaries, Modife, the Capitaries, and the Capitaries of the Capitaries, Modife, the Capitaries and Pebbers are among Direct, what Probably Fluts and Pebbers are among Direct, what Probably Fluts and Pebbers are among Direct, what Probably Fluts and Modified the Capitaries and Antienton believed, that Groups produced Storer is And Groupsy Nonlinears addit, that there were Anthone who were believed that Store made

"Ere nai a l'éxors yaus nai susuis spare, Poem. de M. Geoffrey accounts for the Origin and Formation of

M. Geoffeys accounts for the Ungan and Formation of Morei, in a different Manner.

He they have the Manner.

He they have the Manner of the Morei and Morei

metallic Patricles contained in Flints, give them their Colour, but their are only Accidency for Proof of which, be in-Huaces the Saphire and Emeralds of Accessive, which lose all their Colour by a moderate Fire conforming their metallic Patrs; but without any Damage to their Transference, they being hereby rendered mere Ceyfalia.

To view Rock Cryllal, indeed, one would not take it for Earth; and yet Earth it must be, not Water congest d, as the Ancients imagin'd. See CRYSTAL.

the Ancients imagin'd. See CRYSTAL.

Mr. Geoffroy conceives two Kinds of little primitive Parts
in the Earth: Thofe of the first Kind, are exceedingly fine; thin Lameller, equal to each other, or nearly fo. when these meet together, from any Cause whatev thin Lamelle, equat to exen orner, or nearly to. Now, when their meet together, from any Caule whatever, in a fufficient Quantity; the Regularity and Equality of their Figures determines them to range themicles equally and regularly; and thas to form a homogeneous Compound, which is very hard, from the immediate Contact of the Part, and very transparent, by reason of their regular Disposition which leaves a free Passage to the Rays of Light every Way; and this is Crystal. See Grystal.

The Para of the focood Kind have all kinds of irregular Figures; and mail accordingly form Affreshings that are Figures; and mail accordingly form Affreshings that are of Para of the first Kind 2 and all other Source of Mile-ture of the two kinds of Paras together: This hikatest is abclusely receifing, in order to mains and bad together the Confliction; without which they would col) make a Sain or Dall. Water, now appears the fitted Vehicle, to carry frying Springs, which increditate the Figure through which their Waters are conveyd, or even field Bodies I ald to them for fine time. The Water does not delifie to the carryle The Parts of the second Kind have all kinds of irregular Parts, it only keeps them in Fusion, as it does the Juices wherewith Plants are fed.

wherewish Plaints are fed.
This Water, these sharged with earthy Particles of the first.
This Water, these sharged with earthy Particles of the first.
This Water, the sharped with r the sharped with the sharped with the sharped with the sharped

Of these, some serve ment; as all those called

The state of the s

A Scheme of the feweral Kinds of STONES from Biftop

Stones are either Vilgar, Middle-priced, or Precious.

1. Vilgar STONES, or fuch as are of little Price, are diffinguishable by their different Magnitudes, Uses, and Cosfifteecc, into the

Greater Magnitudes of Quen, wied either about Passidings, and the passiding of the Workman, growing either in Corest Marille, and the passiding of the passidin

their Maffes; whether fuch as are set their Figure,

More knobbed, and unequal; used for the firiking of Fire, either the more common, which is left heavy to the left common, which is more beavy, as having fomething in it of a metalline Mixture.

3 Flint.
3 Marchafite, Fire-flone.

More round and even.

More round and even.

4 Pehble.

Roof, or Favement, being of a laminated Figure, either Natural or Facilities. 5 Slate

Metals, either for the

Sharpening

Sharpming, or trying of them

6 { Wher-flowe.

6 { Touch-flowe.

Polificing or cutting of them; being either of a more from your cutting of them; being either of a more from you and first, or of a more hard Conflittence.

7 Emery.
Lefter Magnitudes, either more, left or minute.

8 Sand.

2. Middle priced Syones, are either of a

Shining Politure, or capable of it; whether of a Simple white Colour, and more foft Confidence, I. Alabafter.
Sometimes White, fometimes Black or Green, and force-

times variegated with Veins, growing in greater or

2 Marble, Potphyry, Spotted with Red, upon a groupish Colour, or with Spots

of Gold-colour upon Blue.

Jafpis, Heliotrope.

Lazul, Azure Stone. Transparency, either ( Brittle ; whether Natural or Factitious

Cryffaline
4 Class,
Fisfil into Flakes, either greater or leffer.

5 Scienite, Mulcovia Glafs, Ifing Glafs, Spar.

Relation to Metals, attracting Iron, or making of Brass.

6 { Losd-store | Cadmia, Calaminaris;

Incombustible Nature

Incombutible Nature.

7. Amisams.

Strange Original 2 not being properly Minerals, though
uffally reckoned amongft them 5 but either a fubruarine
Plant, or fupporfed to proceed from a liquid Bitumen.

8 Coraine.

8 Ambett

3º Precious Stones; which fee under the Article PRECIOUS Stone. STONE is also a certain Quantity or Weight of Some Com-

A Stone of Beef at Landon, is the Quantity of Eight Pounds: In Herefor-fibire, Twelve Pounds; in the North, Sixteen Pounds. A State of Glaffs is Five Pounds; of Wax, Sixteen Pounds. Eight Pounds.

Eight Pounds.

A Steas of Wooll (according to the Statute 11, H, 7),
aught to weigh Fourteen Founds, yet in fome Places it is
more, in orhers left 3 et in Glosseyleybrie, Firten Founds,
in Herdyddirft Twelve Pounds.
Among Horie-Gourfers, a Steas is the Weight of Fourteen

Building STONE : Of this there are feveral Kinds; the Smilling Sroux: 10f this there are Several Kinds; the principal smore, as an Model, Free-Jose, Partheofisson, Rag-Jona, Allaholar, Free-Jone and common States; of sill which, coccept the resolution, where the resolution was consistent states; and the common states; of sill resolution, and the resolution of the present of the resolution of Parthand, and the commonly miled out of the Quarters in blager Model, that that, Some difficult of Quarters in blager Model, that that, Some difficult of the Charles of the Charles in the Resolution of the

the Quarter in logger Slocks than that, Some also call Rigate or Fire-flowe, Pers-flower.

Mr. Boyle observes, That a competent Knowledge of the Manner of the Say or Jusic bound in Stanes used in Building, is of the lift Importance; the fame Stane day out of the fine Quarty at one Seafon, being found to monider away in a few Winters, which day at another Season, will brave the Weather. or many Ages; and that there are others, which though the proper Scafon, yet make but ruinous Buildings,

if "efd at an improper Seaton.
The fame Author adds, That as there are fome fort of
Stones which will decay in a few Years, there are others will
not have attained their full Handack in 30 or 40 Years, or
even much more. See Poer-Mars.
For the drawing of Stone out of the Quarry: See

QUARRY.

Precious STONE PRECIOUS: Belevian Stone Eagles Stone OLONIAN, Jewish Stone JUDAICUS, ice STONE See Touch STONE Emery STONE EMERY: CALAMINARIS; Philosphers Stone PHILOSOPHERS. STONE, in Médicine, a Diferée call'd also Celculus, and Lubiasis and, occasionally, the Gravel. See Calculus, Lithiasis and Gaavel.

LITHINASIS and GRAVEL.

It confuls of a floor Concention, form'd either in the Blidder or Kidneys, which prevents the Diffung of Urina, and coefficion violent Pairs. See Baatona and Knowle.

The Green is generated, according to form Authors, of the active vifed Pairs of the Blood, harden'd, in courfe of Time, by the Heat of the Kidneys, a much after the manner as Brick. baked in a Furnace.

Dr. Quincy supposes the Stone generated of the harder Parts of the Urine, pone up by the Straightness of the Dacks, and brought into Contact and Cohesien.

and brought muo Contect and Contenen.

Elimilier scribes the States, foundings to the flow and
metallic Particles of our Foods and Drinks, which the Reins,
through Weaknel's and Relaxation thereof, cannot gieft; but
more ufually to the unequal Strength of the Kidneys;
Whence it is that we fee one Kidney breed Stoner, and the

other found

other found.

The Same in the Bladder, is first form'd in the Pcivis of the Kickeys, whence faling into the Bladder, it becomes agamented by new Lamelle or Costs. See Flatzy, at the control of the Bladder of the Same in the Kickeys, are, P. A. Bladder of the Same in the Kickeys, are, P. A. Bladder to the Same fails out of the Pcivis into the University of the Pcivis in the Pcivis of the Pcivis in the Pcivis of the of the Petvis into the Utexe, the Pala is executingly sums and racking, which plooks till either the Strue be got into the Ebidder, or ecuared again to the Petvis. \* \*In Indicality to the State of the Tettics. \* \*In Suprement State of the State of

the Blacate, the Urine necessis thick, urround, nuckins and in pear Quantities of the Store in the Blacker, are a Senfe The Daignoffics of the Store in the Blacker, are a Senfe of Heavinets in the Perincum and Inquital Region, a perpo-neal and moublefone Defire of making Water, which is a marp Fain, principally in the Gians of the Peris, whence have the Amar, But the function way of finding it, it by the Clash, who, by thartfling the Finger of Chiberton and Amarica, the property of the Company of the Company of the Company of the Chiberton and Amarica, the Chiberton and Amarica and Chiberton and Amarica and Chiberton and Amarica and Chiberton and Amarica and Chiberton and Chiber

of indings it, is by the count, use, by streaming the ranges or a Catheter up the Anna.

The Care of the Stone, is either by a Liquor that will diffolive or break the concrete Stone; fo as it may be evacuated. Piece-meal; which is called a Litheurispite, or by entaining the Capacities of the Veffels; or by the Operation of Cartings call'd Lithotomy.

We have yet no affured Lithontriptic known, how many foreer may pretend to it; the most noted, are Desfry's Elixir, Troping's Liquor, and Regar's Powder. See Lithon-

TRIPTIC.

The most valid Ours is by Cutting 1, the various Manners whereof, fee under Liversorus. Clesc, the toner has been known to make infer a Wayner of Clesc, the toner has been known to make infer a Wayner of Clesc, the toner are faund, nor only in the Rudder and Kistery, but all of in the primary Dalle.

Dr. Lipier oblivers, that Stones are faund, nor only in the Rudder and Kistery, but all of in the primary Dalle. The Clesc of the Lind, Liver, Lung, Vererick, institute a distinct of the Lind, Lure, Lung, Verrick, institute a distinct of the Lind, Lure, Lung, Verrick, institute a distinct of the Lind, Lure, Lung, Verrick, institute of the Lind, Lure, Lung, Verrick, Lure, Lu

Stones are diffinguish'd into three Kinds, White Red and Yellow; which last are the most usual. Deckers recommends existed Egg-fields as excellent in all Suppressions of Urine: Hamilton, Linsted Oil, and Mr. Boyle, the Herb Arlemore STONE-Blue, a mineral Preparation, properly call'd

STONE-Blue, a mineral Preparation property spaces, as States, Res States, in Antiquity, a family Pilor Monancia, STONE-Honge, in Antiquity, a family Pilor Monancia, or Solidatory Pilor, in Milled different on that City, annual one within another, found of them Twenty spits Fees High, and Seven broad, stiffnings others, talk careft their high, and fittend by Mortaifeta, for that the whole mult have ensured house tools of the the whole mult have another house tools of the stiffning others.

and faithed by Mornilés; fo that the whole mult have an-ciently lang togother. Anotheria et al. (1986), as to the Origin, UR, Orneletter, Ed. of this wouldn'the Patrick. Molt of them for the control of the Control of the Control of the the Spot; which is the more forbable, as we are perty well affared the Anciens bath & Art of multing Owert with Sand and at strong Linne or Commits; and as the Owest are too big for my Land Corrile; and tay are in a Patric, which for the control of 
ave risem brought miraculously by St. Patrick from Ireland, others, &c.

As to its Ufe, some Antiquaries take it to have been an ancient Temple of the Drilds, others of the Rangest, deficated

diesel or Gebrs, in which they are confirmed by in having grow up and become for to book to therefore, this farge control to the confirmed and the confirmed

In the Philosophical Transactions, we have Instances of fick Persons voiding factions Stones, Balls, &c. by Steel.

SOC ENCREMENT.

STOOMING of Wine; is a patting Bags of Herbs, or other Ingredients into it. See Winse.

STOODING, in Falsonry, is when an Hawk being upon her Wings, ar the Height of her Pitch, bends down violently to take the Fowl.

## STOPS in Grammar, See Points.

STORAX or STYRAX, a refinous odoriferous Gum, brought from Spria; whereof there are three Kinds, via. here if Sureas, Surea Galantia, and Girda de Area. Gum or The red Garea, Gum Garea Gum or The red Garea, Gum Garea Gum and in her Trank and Beggett Bernaches of a Thofan made in her Trank and Beggett Bernaches of a Two, call 30 ways, not entitle ou Claimo Tree. In Furth or the Size of a Filherd, "nd continue a white, only Merca, of a Smell prefetly like Storae. If I must be choden in Mait, of a reddifft Golony, fift and fir, and of an appealed Smell, bearing so Refenalment or liquid Storax

That in Cakes, in Bells, &c. is all fophifficated 5 and only a wretched Composition of liquid Storax, and the Impurities of the true red Storax and other Drugs. That in

toparties of the true red Sorres and other Drugs. That in Fouries in the Sorres were strong to t

It must be chosen in fine white Tears, very dry, and not bisser 3 fometimes its in reddiff Maffes, full of these whitth Tears, only mix'd with a ruddy Substance. These two Kinds are efteem'd excellent Pectorals, Stomachicks and Co-

phalicks. phalicks. Some is a little of fatheteen Rofe, of a profile.

Chief all consoled of tree. Oreas, common Rofe of the Fire, Oil and Wine, better with Water, into the Conditions of an Ungener. The Draggills in Get il 8 6287, to difficult it, and falls it for the better Price. Os short years of thought it, and falls it for the better Price. See Sec. 22.

by possing Water on it from Time for OTme. "It as all-agoldont in an Ungener which Experience has thewas to be STORICES, of Ord. Term, ZareyA, frequently wide by Nanzalikis, to fignify that Portrail Infinit, or natural Articlion, which all, or most Anisate bear their Young Carlesian, which all, or most Anisate bear their Young Carlesian, which all, or most Anisate bear their Young Carlesian, which all, or most Anisate bear their Young Carlesian, which all, or most Anisate bear their Young Carlesian, which all, or most Anisate bear their Young Carlesian, which all, or most Anisate bear their Young Carlesian, which all, or most Anisate bear their Young Carlesian.

See INSTINCT.

Affelding, which all, or ned Animals bear their Young,
This Story is a malinish Principle implanted by the
Allevile Centure throughout the Animal World, for the
Allevile Centure throughout the Animal World, for the
Allevile Centure throughout the Animal World, for the
theory of the Alleville Centure through the Alleville
and Allevily do they made their Young' and what Diagon
adminish, which as other timen (by the Rec of Man, Days,
Ge, will, for the files of their Young, expot themelites,
and the Alleville Centure through the Alleville
and Alleville Centure through the Alleville
and 
With what Tenderness doothers feek and prepare the Food for their Young, teach them to fuck, cherift or lall them to Reft, &c. like fo many Nurfes, deputed by the Creator to sake Care of his Creatures? And fall in Proportion, as they

Piety,

St. Ambruft, and after him Obass Magnus, observe of the
Came, that when their Parents, through old Age, are berge
of their Peathers, and left half naked, their Offsprin
fland around them, and cheifts them with their own
Peathers; that they feek Food for them; and when Stune
as it often happens, repairs their Decays, and reflects them
as it often happens, repairs their Decays, and reflects them so it often insperse, repairs their Decays, and reflores them to Strength again, they take them up by Tams, on their Wings, and shobituate their unpractified Limbs to their ancieta Art of Flying.

STOVE, in Bailding, a Hot-house or Room. See

STUVE, in Butting, a 100-boate or ROULD or FERR, CHIMNEY, Eff. at the Ancients afted to warm their Paulissis observes, that the Ancients afted to warm their Rooms with certain feerer Pipes, which came through the Walls, conveying Hear to several Parts of the House, from Walls, conveying Hear to several Parts of the House, from the Parts of the Parts of the Parts of the Parts of the bar it was certainly, both for Profit and USE, the Yoyand the German Stones.

STOVE, among Confectioners, a little Clofet well clofed on all Sides, wherein are feveral Stories or Rows of Sielves made of Wiars one above another, for the drying of Sweet-

STOWAGE, is a Place where Goods are flow'd or Isid up; or the Money paid for fach a Place. STRABISMUS, an ill Disposition of the Eye, which

makes it look a fquint.

This Indifficient confifts in a Retraction of the Ball of the Eye, towards one Side; occasion'd by a Convultion, or a Palife of one of its Muscles.

the Eye, nowings one fields acceptantly by a Coarolline, or a Palific of our of its Muldican.

It through the Coarolline of Coarolline of the Coarolline of

The Sweight at the Entrance of the Beltic, is call'd the Sec SOUND.

Saind. See Suvan.
That letween England and France, Le Fai de Calait, et the Chamil. The Streight of Bubbinnude, of Wigean, of Fifty, of Admin, of Davist and Bubbin, of the Inflament of the Chamilton of the Community of the Inflament of the Chamilton of the Chamilton thereof. See Inflament of the Chamilton of the Chamilton of the Chamilton of the Chamilton of Tradeout of from Marifac, See Texation of the Sizest or Tendent of from Marifac, See Texation of the Sizest or Tendent of from Marifac, See Texation of the Chamilton of Tendent of from the Chamilton opto Goods or Veille the Land of the Chamilton of the Cham

Waste.

STRANDED, (from the Stress Stream, i.e. a Shore or Ranks of the Sax or a great River) in when a Ship's by Tender of the Sax or a great River) in when a Ship's by Tender of the Stranders 
It arifes from the too great Acrimony of the Urine, which well-cating the Nervous Parts of the Bladder, occasions a con-tinual Inclination to urine.

New Borr, and other Liquers not well fermented, are The extreme Sharpness of the Urine, fometimes produces at Ulcer in the Bladder.

The Word is form'd from the Greek spaye, Gutta, Drop, and spar, Urine.

Some Authors confound the Strangury, which the Latins

Some Authors contound the Oreasyrry, which the Latins call Orine Stillicitism, with the Urine Incommentation.

The Difference between them, confits in this, that in the former, the Urine tomes away with Pain, in the latter, without. The former proceeds from the Aerimony of the Urine; and the latter from a Relaxation or Pality of the Sphinder of the Bladder, which cannot keep the Neck there.

Springer of the lindace, which cannot keep the Neck there-of clofe shut. See URINE.

STRAP, among Surgeons, a Sort of Band to stretch out
Members in the setting of broken, or disjointed Bones. See

BANDAOE.

STRAPADO, a kind of Military Punifilment, wherein the Criminal's Hands being tied behind him, he is holited up with a Rope, to the Top of a long Piece of Wood, and ler fall again almost to the Ground a, to that by the Weight of his Body in the Shock, his Arms are diffected.

Sometime by its numbers them Strateful, as more than the strateful and the strategies of the Strateful and the Strateful a

acety in the Shock, hit America conservation weight of his Smedime he is to undergo one Strength, a trong Conservation of the Strength of the Conservation of the Strength of the Conservation of the Strength 
of different varieties through the forced Bedie of Lyess period. See Early across the Body of the Early to comprehend See Early across the Body of the Early to comprehend the Brates, include all the Layers of Early Minerals, Strategy of the See Early S

pointed in that commodious Order, wherein they are now found; and that, as is allerfued, according to the Laws of Gravity; the lower fill heavier than the upper. But Dr. Leggle, in his Nazural Hilliony of Lancefloire, fipcaking of the Coal-pin, denies the Strate on De according to the Laws of Convision; of Medicing that the Strate there, are first a Bed of Marle, then Free-Stone, next loun-floors, then Coal or Chamnel Mire, then fonce other Strate, then

see net a field of Marle, hen Free-Bees, next looss flows, call again, fee and Mirt, the flower both Strain, the Color algain, fee and Mirt, the flower both Strain, the Color algain, fee and the Color and the Col

The Word is form'd from the Greek sparseyes, I lead an Army, STRATAR/THMETRY, in War, &c. the Art of drawing up an Army or any Part of it, in any given Geome-

STRATANATAMENTER, in Wor, Ge. the Art of the Control of the Contro

might be some Hostages, and Socurities for his Conduct and Fidding, The CATTON, in Chymiltry, an Arrangement of different Matters, in 'evend Strate or Layers, alternately a Book or Chymirty and marked in Books or Chymirty with 8 S & Tais Operation is utility with 8 S & Tais Operation is utility on inclining of Minerals or Metals with Silts or other Matters. See CACHINATION. To parify Cold by Cornomation, they Stratify Laming, Tay parify Cold by Cornomation, they Stratify Laming.

West. See Gold and Purification.

STREAM-Works, are certain Works in the Tin-Mines, when the Miners follow the Veins of Metal, by cutting

Tranches, &c.

STRENÆ, in Antiquity, Prefents made, out of Refped, on New-year's Day; and as a happy Augury for the enfuing

The ancient Lawyers derive the Origin of the Word hence,

That the Prefere were only given evir grouns, as Symmo-chus observed; who adds further, That the Use hereof was first limroduced by King Tairius, Romulas's Collegue, upon his giving, first together the happy Branches, which were the Prefiges of a New Year, in the bacred Grove of the Goddefi Strania.

Arctigues of a New Years, in the stered Grove of the Goldein
American's, Perion of Gold was given to the Empesor
every New Year's Day, by way of Stream. 20th Group observes,
New Year's Day, by way of Stream. 20th Group observes,
Perion of Dimbustra and Goratine year to the Kings of Hugary, whom they obey'd volumently.
The STILL'NC TILL, is concurne the Annual Gonomory. The
STILL'NC TILL, is concurne the Annual Gonomory. The
STILL'NC TILL is concurne the Annual Consciously.
The STILL'NC TILL is concurned to the Marie of
the fine Animal ar different Times, are demonstrated to be
in a triplicute Proportion of the Quantities of the Marie
of all the Mackles taken togethers; therefore, whatforever incentils Arregal, hourself the Farer of all the Maticks, and
Yes noverthinkmaling the Truth of this, the Quantity of
Blood only be forced in facility Groundinger, as no have
Yes forced in facility Constitution, and the Strength.
The Indicate Supercial in Gent Groundinger, as no have
Yes first the Strength Constitution of the Strength ConTen Golden Supercial of Periphical to hough it increased
Marie Till The Marie Constitution of the Strength ConStrength Till The Strength Constitution of the Strength ConStrength Till The Strength Constitution of the Strength ConStrength Till The Strength Till Soufferne's Calculation, yet it letter the Corogo's heads the crained Mitter, being whit rought to be excusted, for allow the Torsate of the Blood, as to make it unifs for mandault motion. Suppose the incredid Quantity to be jimind by an extraordinary Vicidity, the Quantity of final figurable Farts describing as the Vicidity, incredits, he Quantity of animal Systiat Separated in the Brins, will be letter and the Henrich of the Farter being in Proportion to the spatial better the property of the Pitters being in Proportion or counterpois the great Weight of the Blood, and for the Grangel with 6-diminishing. will be diminished.

well be dimutally distinction of the Blood, and to the ornegle Reliable process, that if the Blood be to Visitend, as an increase of Reliable process, that if the Blood de Nicasa at fich Blood and contained the Reliable process. The Reliable process is the Reliable process of the Mutches, as even writtend, as to help Digestion, and increase Greegel.

M. set at first, as a Collection of the Owney do it Must increase the Reliable process of the Reliable proces

though he observes, the Gondollers of Venice frech them the contrary Way, yet this is, because they chuse to lost the Advantage of Strength, to have that of seeing the Place they are going to, in the numerous Turns and Canals they there meet withal.

meet without.

The known by Experience, that a Horfe draws, hotizontally, as much as Seven Men; confequently, his
Strength will be 189 Pounds. A Horfe, as to publing forwards, has a great advantage over a Man, both in the Strength will be 189 Pounds. A Horfs, as to judding the words, has a great edwangs over a Mm, both in the Strength of its Muticiss, and the Disposition of the whole Strength of its Muticiss, and the Disposition of the whole strength of the Strength of the Whole Strength of Whole S

meter, which he tofs'd in the Air, and catch'd again like a Singer, which he tors on trick-trix, and extent a signal nace a Bull. — A little Man of Mentua, calld Redemas, could break a Cable. — Evisione Sturp's feech dup Suirs, an Afri loaden with Wood, and threw both hat the Fire. At Con-fentings[6], in 1581, one lifted a Place of Wood which Twelve Min could facer artie; then lying all along, bore a funtamelle, in 1826, one libred a Firec est viewe a vanue funtamelle, in 1826, one libred a Firec est viewe a vanue seem which Tam Man could har jud find him. — Go of Funtamelle, Brann of Affandelstane, could raile a Man off his Scar with his maddle linger, and fives a Casono not of its Case with the seem of the Case with the latest the seem of the Case with the latest finding a Man, who in that Figure out other Fire Harfer in his own Fram. — A gipmit Woman of the Nelterland, Team. — A gipmit Woman of the Nelterland, Team of the Case with the seem of the Case with the seem of the Case with the seem of the Nelterland, Team of the Case with the Seem of the

on the vital Actions; but the former, fach as confirm the Stamina, and maintain the Solids in fach a Condition, as to exert themselves into Action on all proper Occasions, with

to exert themselves mot Action on all proper Occasions, with the greateff Force and Vigour.

The continual Wafte, which conflant Motion makes in the Confliction, were it not for frequent and proper Supplies, would from wear the Body quite out. The Attritions and Abrafions of the circulsting Finids, would quickly carry away the Coast is which when circulate more one foremake from Abstences of the circulating Falials, would quickly curry away the Caushis which they circulate, we now formown fare author in their Campolition, which is fured to 2ll line, at the circulating the circulating of the circulating their circulating

Helticks where the fwith Motion of a thin, tharp Blood, wears away the Sublitance of the Body, inflead of nourilh-ing it; for they not only retard the inocdinate Motion; but gree fach a Weight and Confifteene to the Juters, as fix them allo for Nourilhment. There are likewife other Caufes, which may weaken the Solids, by admitting, or occasioning them to relax too much. Whatfoever therefore alts as a Stimulus, and criffs and correagest the Fibres into a more compacted Tone, which most auttere and pointed Bodies do, will remove fuch Weakness, and increase Strength: And as will remove tuch Weaknels, and increate Strength: And as alfo, too much Mofilure may contribute to fineh a Rehaustin, what has no other Quality but abforbing, and drying up fuch fuperfluous Humidities, may deferve, though accidentally, to come under this Denomination.

STRETCH: When at Ses, they are going to hold the Vandantial to Show they for Correct Engineer the Cheeve.

Yard, or hale the Sheet; they fay, Stretch forward the Sheet, mesning, that the Part which the Men are to hale by, fhould per put into their Hands, in order to their Haling.

STRLE, in the ancient Architecture, the Lifts, Fillets
or Rays which feparate the Striges or Flutings of Columns.

See List and FLUTING

STRIR, among Naturalifts, the finall Hollows or Chan-nels in the Shells of Cockles, Scotlops, &c. STRICTOR, in Anatomy, the fame 2s Sphintler. See

SPHINGTER.

STRIGES, in the ancient Architecture, are what in the Modern we call Fluirings. See FRUTING.

They are thus call d, as supposed to have been originally intended to imitate the Folds or Plains in Womens Robes; which the Latins call Striges.

The Filles or Spaces between them, were call Strie.

STRIKE, is a Measure, containing four Buffle's ; two of
which make a Quarter. A Strike of Flax, is as much as
can be hecked at one Handful.

STRIRE, is a SER Word varioufly ufed. When a Ship in a Fight, or upon meeting with a Man of War, lets down, or lowers her Top-fails, at least half-Mast high; they say, See

sowers ner Top-stalls, at feath nati-Mark high; they fay, Ste Striket, meaning, the yields or Submits, or pays her Devoir to that Man of War, as the passes by When a Ship touches Ground in a Shool-water, they say, Ste Striket. When any Top-mast is to be taken down, they fay, Strike the Gohmast. And when any Thing is let down or lowered into the Hold, they call it Striking down into the

for Striking within the King's Court, whereby Blood is drawn is, that the Criminal shall have his Right Hand struck off. in a most field and foleram Manner,
For Striking in Wostminster Hall, while the Courts of
Justice are fetting, the Panishment is Impersonment for Life,
and Forseiture of one's Estate.

ann a concrue of one's Eletate.

STRING, in Mufic. Sec Group.

If two Strings or Chords of a unifical Infirument only
differ in Length; their Tones, that is, the Number of
Vibrations they make in the fame Time, are in an inverted
Ratio of their Lengths.

Ratio to their Leights.

If they only differ in Thicknets, their Tones are in an inverted Ratio of their Diameters. As to the Tenfon of Strings, to measure it regularly, they must be conceived fitterth'd or drawn by Weights; and then, extrait parties, the Tones of two Strings are in a direct Ratio of the Square

the Tones of two Strings are in a direct Ratio of the Square Roots of the Weights which fitterth them, that is, e. gr. the Tone of a String flereth'd by a Weight 4, is an Oclave above the Tone of a String flereth'd by the Weight 4, "Tis an Observation of an old flanding, that if a Viol or Lute-fring be touched with the Bow, or Hand, another

Lanchring be touch'd with the Bow, or Hined, another Spring, on the fame, or another intrinment, not far from it, so that the street of the st

therefore an Onion.

If while  $\delta b$  is open, AB be fitted, the two Halves of this other, that is ab and bc will both tremble; but the matter that is ab and bc will be cafilly perceived, by remain at Reft.

This, Dr. Wallis tells us, was first discover'd by Mr. Wil-This, Dr. Wollst tells us, was first distorered by Mr. Wil-liam Noble of Merrin Gollege, and after him by Mr. Y. Tigut of Waddson College, distinct knowing that Mr. Noble had observed it befire. To which we may add, that M. Somoure, long afterwards, proposed it in the Reyal Andenny at Plartis, as his own Difform'd, by foune of the Rembers then pre-tent, that Dr. Walfin had publish di to before, he immediately lend, that Dr. Walfin had publish di to before, he immediately refign'd all the Honour thereo

STRING-Halt, is a finden twitching or flatching up of an Horfe's hinder Leg, much higher than the other, as if he trod on Needles; generally befalling the best mettled

Horieck.

Is frequently happens upon taking Cold, after hard Riding, or fore Lubour; effectivity by waffning them when too hot, which fulls the Blood, and 60 hormonts the Sincest, as to take away the Senie and Feeling of the Member. To Coure it, he middle Ven is taken up above and undernount to the Thigh; under which is tound a String, which is not occur away, and the Part and noted with Batter and one cut away, and the Part and noted with Batter and

STROAKING, a Method of Cure fome People have given into, in certain Difeafes; confifting in a mere Applica-tion of the Hand to the Part affected, in the way of Friction or Rubbing

That Friction has very confiderable Uses in many Diffcates, is allow'd. See Farchion.

Bur, asso the particular Efficacy of the Stronk of particular Allowy of the Stronk of particular Efficacy of the Stronk of particular Federacy as the letter Foundation for it in Nature. Esperience, indeed, affords fome 3 to which we don't know what to object.

what to diject.

Mr. Thermy, in the Philophical Templettien, gives feveral remarkable Indusers of Cares performed by that Bernard and the Care of the

owening, that mad ming to her teveral Years, in thight or all Means, the fame Streaker rubbing both her Keets, give her prefent Eafe, the Pain flying downwards from his Hand, till he drove it out of the Toes, after which the Swelling foun went abfolately away.

STRIKING. The Punishment appointed by our Laws,

Mr. Thoresby gives various other like Inflances, all among his Acquaintance; and adds, That when Mr. Greatrix fireaks only for Pains, he uses nothing but his finnd; but that for Ulcers, or running Sores, he uses Spittle on his Hand or See Touching.

Fingers. See Toucistica. STROPHE, in the Greek and Letin Poetry, a Stanza, or certain Number of Vertes including a perfect Sense; facceeded by another, confilting of the Same Number and Measure of Vertes, in the face Disposition and Rythmus,

Discers turn'd to the Lett, and that Meature endea, trey turn'd back again to the Right.

STRUCTURE, in Architecture. See Butletino.

STRUMA, in Medicine, Tumours arising most usually on the Neck; call'd also Serophule, and, popularly the Ecol,

on the Neck; call'd also berephate, and, popularly the Esi, or King's Hall. See Evr., from d, as some will have it, a first-male, because they grow infealibly, Srndline alfargons. The Greek call them grades, Sortes. STUC, in Mastory, time the Italian States, Esc. a Com-position of Lime and the Dark of white Marticle, pounded to-gether and fifted whereof Figures and other Ornaments of

Sculpture are made.

Scalpture are made.

This is what Pliny means by Mermoratum Opius, and Mbarium Opius. See Pl. ALST R.R. and Mosale.

STUPF, in Commerce, a general Name for all Kinds of Works made of Gold, Silver, Silk, Wood, Hair, Cotton or Thread, manufactured on the Lorm; of which Number are Vilvers, Breacket, Mohater, Sertin, Taffres, Caten, Songer, Reteren, and various other Kinds; explaind under their

Resemb, and various other Kinning explain a under mer-effective Articles of this Dillimetry. Surpr is particularly used, for certain Kinds of flight woulden Stuff, used principally for Linings and Womens wear, as Lingley, Resemb, Sc. STUM, is the Flower of Wine, fet a working. See

WINE, MUST, ESC.

Hence to Simm, is to put certain Ingredients into fick and decayd Wine, in order to revive it, and make it brisk. STUMBLING, in the Manage, Se. a Vice in a Horfe, either natural or accidental.

The Natural arises from the Sinews of the fore Legs being fomewhat too firright, which cramps the Horfe, and prevents his using his Legs with the necessary Freedom and Minshlanafe

The Way to cure him, is to cut him of the Cords, i. s. to make a Slit on the Top of his Nose, and with a Cornet, to make a 51st on the Top of his Note, and with a Corner, to raife up the great Sinews, to cut them afunder, and heal them up again with a proper Salve. The Accidental attics from a Splint, Wind-gall, being founder'd, prick'd, flubbed, gravel'd.

STUPIFIERS, in Medicine, the fame as Narcoticks and See OPIATES. STUPHA, or STUPE, the fame as Fomentation. See

FOMENTATION
STUPOR, a Numbrieß, occasioned by any accidental
Bandsge that stops the Motion of the Blood and nervous
Fluids, or by a Decay in the Nerves, as in a Palfy, 82STGIAN Liquers, a Term some Chymist apply to
accident the property of the Palford Spirits, from their Efficacy in delitorying or difficient
mixt Bodies. See Spirits.

STYLE, a kind of Point, or Bodkin, wherewith the Ancients wrote on Plates of Lead, or on Wax, &c. and which is still used to write on Iyory Leaves, and Paper prepared This is the Origin of all the other Significations of the

fame Word in English. STYLE, in Chiturgery, is a long Steel Infirmment, that

Form.

Tis used to be thrust in red-hot, in Cantile, and to be pull'd out again, immediately: The put in and drawn out faceoffirely, as often as is occellary. In order to do this, 'tis good to have two Styles, to be put in alternately. See CANULA.

STYLE, in Dialling, the Gnomon or Cock of a Dial, rais'd

Sytta, in Diallog, the Geomeon Code of a Ball, rain'd on the Plane thereof, to profect a Sadawa. See Grossow. Syttas, in Bossay, the Part siling up the enables of a "This we more simple call the Plane See Partie. Syttas, in Materie of Langaire, is a particular manner of Calvering a Ball. Thoughts in Writing, agreeably to the of Calvering a Ball. Thoughts in Writing, agreeably to the the Manner where the Westi continued according to the Laws of System, are arranged among themfores, tainably to the Genins of the Langaire, See Langaire.

determinate, which before was very vague and arbitrary, where many Authors, even of Nett, confounded it with Netton to the Netto

in the Syntax; but there is formething wanting in the Arrangement of the Words, to make them in the Genius of

Arrangement of the Words, to make them in the Genius of the Language; there is a Fault then, in the Style. Indeed, against what particular Rule of Grammar the Fault is committed, 'tis feare publishe to determine pre-cietly; the Tatte and Ufe of a Language being fo exceed-ingly delucts and precarious. This true, a Fault in Style, is not left a Fault against Grammar, than is a Fault in Systars', Oally the former is left precise and palpable than the latter.

the latter.

A very common Error in Grammarians, F. Buffer adds, is to confound two Kinds of Styles in one: The Grammarian Style, or that directed by the Rules of Grammar; and the Perfonal Osyste, which depends less on the Grammar, than on the Perion that writes; whether with regard to his particular Tafte and Genius, or with regard to his Matter, or the Kind or Character of his Work,

Amd or Character of his Work,
There are a great many Differences between the Two 3
the most eliental is, that the one may be diverified an inthe property of the theory of the contractions.

In effect, the "Pow" pay, and the other camor,
ing to the different Genule's, Hamosara, and Complexions.

Tis the Imagination that a fact, that conceiver, that propoles, and that expectes Things, according to its Character,
which is different in all Men, and which is no be varied, which is different in all Men, and which is to be varied, according to the particular Kind of the Work.

Hence arifes the Gay, the Grave, the Florid, the Jejune, the Copious, the Concife, the Poetical, the Epifiology, the Burlejque Styles.

Burlejund Styles are all Independent on the Gram-Thete Perjoind Styles are all Independent on the Gram-satted), and we have Authors, who excell in the one, yet are university districts in the other. The Perjoind Styles too, or ather of Rhenotic, that Art having tool directly with out. Thoughts, and Commune with our World by with our Thoughts, and Commune with our World by with our Thoughts, and Commune with our World by with Thes, however, may be fair, That Grammar is first from Perfectlies a, and these greatly flowed a Thirst with equal Perfectlies a, and the greatly flowed in the following Parial, and proportionally in others. Detts it a Leon, which all otherwise than they have a remaining some our of the collevenic than they have a remaining some our of the

Men are to undergo: For you cannot well range the Words to therwise than they here are, without agoing out of the Bounds of Grammar. Would you key, a Lew is Dienk, as the Bounds of Grammar. Would you key, a Lew is Dienk, as the Bounds of Grammar. But in the Perfequent Style, where the Insulpiant Sources to be concerned, this Sentence might be varied infinite Ways, according to the Kind of the Writing, whether Cornorial, Sources, (Ed. As, Dienko entire flower the Privace nor the Secretary (Ed. As, Dienko entire flower the Privace nor the Art Preser's Hall, Sele-quality are Manarati's Palace and Beggar's Hut, &c.

the Biggar's Hat, Ge.

Strict, in Oracy and Poetry, is refinained whosely to
what E Biggar calls the Profession Style,
what E Biggar calls the Profession Style
with the State of the Policiant
of the Diffusion,
which We West's Electricis in the practical Members or Pars
thereof; and Style, to the whole Composition.
The Matters of the Art, reduce the Kinds of Style to
Three, the Sublime, the Low, and the Intermediate or
orable Style, that confident is confident.

The Sublime, is that confifting in magnificent Words and Sentences; which, by its noble Boldners, ravifies the Hear-ers, and extorts Admiration even from the Unwilling Sce

ces, and excern Administation even from the Usevilling Sec SURLINE.

SURLINE.

SURLINE.

The Market Works, as Eyelfer, Dislayers and Surlives and Market Works, as Eyelfer, Dislayers and Surlives and S utrinfque particeps.

The fame Author calls it the Florid and Polifie'd Style : it being in this that all the Graces and Beauties of Language are principally to be used.

For the Choice of Style, in the General, 'tis the Matter For the Choice or Myse, in the General, its the intante is or determine it. Sum Style, tays (core, is to be chosen, as expresses great Things magnificently, middle Things moderately, and low Things subtly. But more particularly as there are three Branches of the Duty of an Orator, to as there are three Hranches of the Duty of an Orator, to teach, to delight, and to move; the fumple Style is used to teach, the Middle to delight, and the Subtime to move. Again, the fumple or love Style is fit for Comedy, the Sublime for I ragedy, and the Middle for Hiltory.

Cefer, 'tis true, rather used the Simple than the Interme-diate Style; but then he wrote Commentaries, not a History,

diese Style, but then he wrote Commentaries, not a littory, as is obtieved by fully.

Again, the finyle Style is fit for Bacolicks and Eclogues, the intersection Style for Georgicks, and the Subblims for Epicks; which triple Difference we cafily defery in Figil, though he fometimes mixes them all in the Esosistitist, ading the finyle Style in the Fifth Book, where he deferibes Games, and the Intermediate in the Beginning of the Poem. Care is still to be taken, that the Style be not flat and dull, on pretence of being fimple.

pretence of being furthe.

M. Bulleau observes, that in all Languages a mean Thought expressed in Noble Terms, is better liked than the noblest Thought expressed in mean Terms: The Readon be gives, is, that every Eody can't judge of the Force and Justiness of a Thought; but fearness and Bulleau of Thought; but fearness are find and the Words.

He adds, That the Words in different Languages don't always answer justily to one another; and that a noble Greek Term can't frequently be express'd in another Language, but by a very mean one. This we fee in the Words Affiness in Latin, Ane in French, and Aff in Boglife, which are the meanest imaginable, in those three Languages; yet the Word expressing that Animal,

has nothing mean in it, either in Greek or Hebrew, but is used in the finelt and noblest Passages.

in the fixeft and nobled Peffigors.
Add to this, that Languages are exceedingly expricious on this Head: A Bull, a Heifer, a Goat, a Boar, 15e. may be afed in the fublimed Paffigor, without debafing the Style's bar a Cow, a Sheep, a Hog, a Sow, 15e. would be intolerable. Shepherd and Herifants, are fine Words; Hog keeper and Cow-ward, which carry the fame Idens, vitious to the latt

Decree.

The chief Faults in Style, are, its being tumid and freedless 3 or cold and frurile 3 or fifth or toles; or styl and joints. A freedless Style, is that immediately fuelf with big Words and Sentences, fach are those Verses of the Emperor Nove, tidicaled

by Perfus.

Torva mimalkovis implerum Cornua Bombis Es rapsum Vitulo caput ablatura (uperbo Boffaris, Elyncem mænas stexura Corymbis, Ec.

A cold ot purile Style, is that which affects certain trifling Ornaments, cold Jells, remote and strain'd Allussons, re-dundant Descriptions, &c. Such, e. gr. as, A Contrar's riding htm[df: Maye galden than Gold, &c. Of this Vice, that Paffage of Virgil feems guilty.

Num Capti potucri capi ? Num incensa cremavit Troia Viros?

And that in Plutareb, and Diou Cassus; 'Twas no econder Diana's Temple spath is burns the Night Alexander was been a stated scales, statemay as for gene a Birth, could not be in the May to extinguish the Hennet. And that in Planuts, where a Perion is represented to exceedingly convense, that he would invoke Hennen and Earth, if he fave but a Grain of

would invoke Instead on Earth, IJ of you but the strend of Joseph Glories and of his latings.

A loof 55%, is that which was maning Articles, Numbers, 856, fishchates here and there, not connected or hang together. This is a Fasil to frequent, effectably in young Writers, that we fhall there diving inflatence of it Ornsment, Spring 85%, in the Addition mode a notable Diffinition of Spite, into The Arcients mode a notable Diffinition of Spite, into

The Anceste stude a notable Distinction of Mysle, into Learning and Jiffari.

An analysis of the Mysle of the Angel of the Angel of Mysle, or James and James of World are field to experts little Matter: Thus cilled, by the Gresk, from the People of Affs, who affected facts Rechardancies, in Opposition to the affected facts Rechardancies, in Opposition to the Anomic Swis, which is dillinguistly dby its exceeding Con-cificating and by comprehensing a deal of Matter under a few Worlds. See Location.

Words. See Laconic.

Such, a.g., is there exempted by the Landstranding, Such, a.g., is that Exemp, therething in Academy them with Firm and Sword 18, ft; that is, De fyso can the star reason 19 the finer to King Philly, downsaline fone excravagame Thing of them, i, see, so. Or that of Chemour's the Sparten General on the Ambibilide of Samus; Ait to what you have [sist, the first Part Limit remember, the matikal I dark unknighted to the Marchand 18 and 
Epiftle of Archidamus to the Elsi, who were preparing War Britte of Meanagers to the Elei: Tit gold to be quiet.
Or that of Cefor to the Roman Senate, after his conquering
Pharmacet, King of Powins: Vens, ends, ener; I came, I faw. I conquer'd.

I conquerd.

STYLE, in Theriffershow, the particular Form, or Musers of Proceeding as each Coart or Jurislitchen, agreeably to the Reas and Orders callshifth I benter. Thus we key, the Spill Reas and Orders callshifth I benter. Thus we key, the Spill Reas and Coart of the Privy Coareal. See Cita recease, I see Struct, in Made, the material of Singing and Composing. The Spile is, properly, the manner dot; Perfo has, clittle of Composing, of Performing or Techning, which is very different house the Coartest of Coartest and Coartest an

same de la control de la control certais de c'Ocarea, sont de la control certais de la control certais de la control certais control certais de la control del la control de la control de la control del la control de  la co fofter Passions.

Style Hyperchematics, is a Style proper to excite Mirth, oy, Dancing, &c. and, of confequence, full of brisk, gay

Style Symphonisco, is a Style fit for Instrumental Music : Sysle Symphosium, is a Style fit for Informational Madee. But a sea in Information being specifical. Effect, there are seen a furnament havin specifical. Effect, there are seen a furnament of the style of the styl

doons, Sc.

coons, Ec.

SYLE, in Chronology, a particular Manner of accounting
Time, with regard to the Retrenchment of Ten Days from
the Calendar, in the Reformation made thereof under Pops
Gregory XIII.

Style is either Old or New.

Style is either Olds or Neeu.

The old Style, is the fullian Manner of Computing, which obtains in Empland and fome other Proteflant States, who refused to admit of the Reformation. See Julian.

The new Style is the Gregorian Manner, followed by the Catholicks, in confequence of that Reformation. See Gra-

Hence, there arole a Difference of Ten Days, between the Old Style and the New, the latter being fo much before-hand with the former: So that when the Catholicks, e.gr. reckond

with the sumer; so mak when the Cathoucks, e.g., recean the 11th of Map, we only reckon'd the 11th of 11th Difference of Ten Days, was increased in the Ten Tips, to 11 Days, by reaffor that Year was not the Eiffersis in the Old Style, but was, in the New 15 to that the 10th Day of the one, corresponded to the 21ft of the other.

of the one, conréponded to the 14 fe of the other. There are fevared Places, however, where the new Sylk-hab began to obtain, even among Proteilants 3 and 3 fe au set the season of the control of the control of the control of the season. At the Brook of Retillon 18 post, it was decread, by the Body of Proteilants of the Empire, that Elevan Dyr fencule terretraction from the 40 drys, to accommodate the profession of the control of the control of the profession of the paid of the control of the control of the control of the paid of the control of the control of the control of the STILET STILETTO, a little, dangerous Petitle, Alffiller and the Hund, and thethy offel in necleans

Affaffinations,

Adathantons.
The Blade is ufailly Triangular, and fo flender, that the Woand it makes, is almost imperceptible.
The Object is firstfully prohibited in all well Policy'd States STYLITES, an Appellation eiten to a kind of Solitaries, who frend their Life, fested on the Tops of Columns, to be the better dispoid for Meditation, OS. See South ANY.
Of thee, we find feveral mentioned in activation with the state of the Column Of the'e, we find feveral mention'd in arcient Writers, and even as low as the IXth Century. The Founder of the Order was St. Simon Stylites, a famous Anchorite in the Vrh Century; who first took up his Abode on a Column Six Cubits high; then on a Second of 12 Cubits; a third of 22; Collate high; from on a occord or 12 Cupits; at mired or 22; and at late on another of 3.6, where be lived feveral Years.

The Extremities of these Columns were only three Foot in Diameter, with a kind of Rail or Ledge about that reached almost to the Girdle, formewhat resembling a Pulpit.

There was no ying down in in:

The Faques or devous People of the Ess, initiate this. The Faques or devous People of the Ess, initiate this Extraordinary, kind of List to this Day. See Faques.

THOMES, who call to this Day. See Faques.

THOMES, the College of the Or property of the Or property of the College of the Or property of the College of the Or property of the College of the Or property of the Or prope

PETRONOM OI.
STYLOGLOSSUS, in Anatomy, a pair of Muscles, running off sharp and sleshy, from the \*Preceptia Soyleides' whence destonding obliquely forwards, it is inferred into the Root of the Tongue. It serves to pull the Tongue up in the Addino of Despution.

STYLOHYOIDEUS, in Anatomy, a pair of Muscles fpringing from the *Proceffus Scylaides*, and infereed into the Basis and Horns of the *Os Hyosdes*; which it draws, laterally, appeared:
STYLOPHARYNGÆUS, in Anatomy, a pair of Muscles, arting round and sleshy, from the Procoffus Systeides; a and which in its oblique Descent, becomes thicker, and is afterwards expanded on the back Parts of the Fauces. It serves to aw up and dilate the Pharynx

STYPTIC, in Medicine, a Remedy that has the Virtue of flopping Blood, or of binding up the Aperture of a wounded Veffel. See Broon.

Vettel. See Broom.
The Service, Nettle, Schomon's Seal, Ele, are Styptickt.
There are various Styptic Waters and Powders of furnising
Efficacy, in most of which, Vitriol is the principal Ingredient.
The utual Styptic Water is made of Coloraba calcined, or
Vitriol diffolived with burnt Allum, Sugar-candy, the Urine

Vittol difforce with outst Anum, Sugar-Caney, the Crime of a young Man, &c., of a young Man, &c., of the Collection of the Control of the Con

made in Dogs where it answerd well.

M. Jønnregher obstreves, from the Analysis he has made of
Supplie and Adringent Plants, that Acids and Earths prevail
therein; though fonce of them yield an utimous Spirit. On
this Principle, he afforts, That their Salt is analogous to
Albam, and that there is fomewhat of Sal Ammoniac in
their Texture. Chymol obstreve, that this does not hold

STYRAX, in Medicine. See Syonax.

STYRAX, in necticine. See SYSRAX.
SUB, a Latin Prepolition, fignifying under; frequently
ufed, in Composition, in our Language.
Sub-Ergadier, is an Officer in the Cavalry, who commands
under the Brigadier; affilting him in the Difcharge of his

under the Etipolete'; summing min he the Lethensing on the Functions. Soe Brit addition.

Sub-Chautor, an Officer in the Choir, who officiates in the Ablence of the Chuntor, &c. See Chanyon.

Sub-Chauto, a Dignity in certain Chapters beneath the Dean. See Dran.

Dean. See Dr. An.

Sob-Price, a Claudral Officer, who affids the Prior, Sc.

Sub-Deacon, an inferior Minifler, who anciently attended at
the Alta, prepared the Sacred Veifels, Sc. and was inveited
with the first of the Holy Orders.

According to the Canons, a Perfon must be 22 Years of

Age, to be promoted to the Order of Sub-Deac

Age, to be promoted to the Order of Sub-Deacon.

The diffused among the Romaniffs, whether the Sub-Reaconbook he a Sucrament or not; in regard Sub-Deacons are ordained without Impofition of Hands, and that there is no mention made of them in Scripture, Yet Bellarmin holds the affirmative Side of the Quellion. By the Papal Canons, a married Man may be ordained 35th-Deacon y apon Conditions. his Wife confent to it, make a Vow of Continence, and shut herefit up in a Monattery. See Dr.Acon.
SUBALTERN, a fuborainate Officer, or one who difchriges his Post under the Command and Direction of another.
Such are Lieutenints, Sub-lieutenants, Cornets and Enfigus,

who fere under the Captain.

We also say Subaltern Courts, Jurisdictions, &c. Such are those of inferior Lords, with regard to the Lord Paramount, Hundred Courts, to County Courts, &c.

For the Subaltern Perfors in an Epic Poem, F. Beffu obferves, there is no Necessity to be very strict in preferving

crees, there is no executive to very line in practicing carry one's Character. See Characters, the ferromagnetic set of the participal wife, who did not all hold the finne Rank; but there were ferreal foliablers to the principal Wife. Grammar we also they is full after to Rhetoric. The Word is form'd from the

1.5% is 10<sup>th</sup> altery to Khetoric. The Word is form a groun car-Latin, flui, and alter, monther, any thing under the Arm-pit or Shoulder; whether Artery, Nerve, Vein or Mufels. Surezavies, in Anatomy, is a Mufele that arifect from the lower Side of the Clavicala, near the Accomium; and dene lower Side of the Clavicula, near the Acromium; and de-ends obliquely to be inferted into the upper Part of the first Rib, near the Sternum,

SUBCONTRARY Position, in Geometry, is when two fimilar Triangles are fo placed, as to have one common Angle, V, (Tab. Geometry Fig. 44.) at the Vertex, and yet their Baje not parallel. y, 1 and technically ±15 449.

Bale not parallel.

Thus, if the fealrous Cone BVD be focut by the Plane CA, as that the Angle at C=D; the Cone is then faid to be cut Subconvarily to its Base BA.

downwards and a-wry

A Conveilion herein is call'd a Spafmus Cynicus. In fome Perfons, it reaches to the Ears; and in others not; which is the Reason fome Folks have a Faculty of maving the Ears,

SUBDUCTION, in Arithmetick, the fame as Substructi-

SUBDUCTION, in Arithmetick, the fine as Subfraid-no- Dec Sustra-Action, who are Number or Quassity is contained in another, Twice 3 thus Tirre is faid to be &ul-adapte of 6, as is dealpofed 5. See Ravino. SUBJECT, a Perion under the Rule and Dominion of SUBJECT, a Perion under the Rule and Dominion of OF 28hJeff, frome are 6 by Birth, others by Acts of Naturalization. Anciently, the Lords call'd, absufferly, those who held Lands or Freso of them, or wold them any Hennige,

Suspect is also used for the Matter of an Art or Science; SWE JAC'T is also used for the Matter of an Art or Science; or that which it confiders, or whereon it is employed. Thus the human Body is the Subject of Medicine; and in this Sense, Anatomitis call the Eosly they are Difficulting, and whereon they read Lectures, their Subject. See On 1 ser.

The Subject of Logit, is Thinking or Restinging that The Matter of Logit, is Thinking or the Steining that Particularly in a Syllodism, one of the Terms of a Der Difficult is called the Subject, and the other the Airtifuse. See

Scc PROPOSITION one rangestrion.

In Poetry, the Subjet is the Matter treated of 5 the Event related, or fet in a fine View, and inrich'd with Ornaments. Suspect is also the Sublitance or Matter to which an Accident is added, See Acciousny.

"This Maxim, That two Contraries can never fubfift in the three Subjet."

The a District. Hear two Contrains was now a mean that fame dishleft.

SUBJUNCTIVE, in Grammer, the fourth Mood, or Many of the contraint of conjugating Verbs; thus call'd, because usually faibjoin'd to some other Verth, or at least to some other Particle, as I see what you aim at. Though this be true, &c. See

an. I fer within you aim at. Through hills be true, yet to be Moone, and the cally Language than spreetly has many Enhandered Mood, through the Ferrord, Stringle and Hattle has been fissed the result of the Hattle has been fissed the control of the Hattle has been fissed to the control of the Hattle has been fissed to the true and the Salmadfree been received from the Large and the other Germannia; it not being the different Ways of fignifying, which may be firmer the different Moods. See Chravary (Ed. SUELA FSARY, in Theology or Infrastructure different Moods, See Chravary, (Ed. SUELA FSARY, in Theology or Infrastructure different finely for the foliated products from the Moods, See Chravary, (Ed. Succession of the Control of the

fuse it to others. See GRACE.

Sublapfary is used in Opposition to Infralapfary. See In-

\*\*Pantarian\*\*, SUBLIMATE, a chymical Preparation, the Bulis whereof is Meccay, or Quick-fairer. See Manceux.\*\*
There are two Kinded Oddininar, Germfer and Gower. There are two Kinded Oddininar, Germfer and Gower. The Company of the

like little Needles, by being paß'd feveral times over the Fire, and through feveral Mattraffes.

To take away all its Malignity, it should be dukified at

least Thrice. leaft Thrice.

Cornérie Adalhimet is White, and faill of hining, cryftal-lin Veins. It causes at, under it find force Hundrig's to all one and it has a blooked Polifon, which cornôrs and delires yet the Burn of the Body with me to cornôr and clarest polification. The control of the Body with me to the Body with the Care of the Body with the Adalesception of the Care of the Ca

tion, only the Fluid Pares of Bodies are mifed; but in this, the Solid and Dry; and that the Matter to be diffilled may be either solid or Fluid; bet Sublimation is concerned only about folid Sabitances. See Distributions.

to enter social or finited jura Solidanarous in concerned only about folid Solidances. See DISTILLATION, the rest in the another Difference, namely, that Rasefildion, which is of very goest U (in 10 Hillistico, has hardly any Room in Subinastores jur the Subilances which are to be Subinered, being Solid, are incarpable of Rarefaction; and fo it is only implied can raise them. Honoger: it may now be immediated.

it is only implied can rathe them.

However, it may not be improper to inquire a little more nicely into the Reafon of fuch a Diversity in the Elevation of Bodies a why foure do aftend with a gentle Heat, and others are not to be raifed by the most vehement Fire: And fuch an Enquiry will more properly come in here, beaufe this Head contains all the Bodiecis of Volatility and Fixation. VOLATILITY and FIXITY.

ONE VOLKTILLY SIGH FRITY.

The Chaff of this Elevation, and Affort in the Particles of Bodies, is to be aferibed to the Fire; not only on the ascenar of Impaigle, but of another Property the Fire busy namely, to infinante itsfif into all the Interflices of these Ecodies, and thereby break the Cobelion of their parts, for that all they become divided into very finall Parts, if not at the first their parts of the cobelion of the parts of the pa into the finallell that Art can reduce them into

into the finallel that Art can reduce them into.

Particles than Steparsed and divided, Jofe much of their
Genvity. For the Genvity of the fame Particle decreasies
in the fame Proportion as the Cube of the Diameter is deficied.
Sappois, therefore, a Body, whose Diameter is 12: If, then,
it Diameter be made feld by 1, etc. 11, the Genvity of that
Body will be only 9 \$\frac{1}{2}\$, or thereabouts: A Body, therefore,
by being divided into very minare Corpalities, by every stilly

Add, that the Surface of a Body decreafes in a very different Manner from Gravity only as the Square of the Diameter is leffened. Where the Gravity decreafes, in fuch Diameter is leftened. Where the Gravity decreates, in fluch a Series, as is experted by the Numbers 1728, 1311, 1000, the Dimination of the Surface will observe this Proportion, orde, 1444, 121, 100 j and when, upon reducing the Diameter to 6, the Gravity becomes left than 2, the Surface will fill

to 6, the Grevity become left than 2, the Surface will thill amount to 6, the Grevity become left that the Grevity Green and Grevity Green and Green and Green and Green and Green and Green and Afrence to the Sulfmatter of Campbirt, Bennoin and Afrence to the Further and the Green and G

By this Contractor of Niture, was, that the Gravity of Dedote descrete in a triplicate, the the Surfice is a depli-care Proportion of their Districtes; it comes to spit, that Describes the Contractor of the Contractor of the Con-tractor of the Contractor of the Contractor of Harra-bon, hand the Contractor of Harra-bon, harmon Blood, of Vipers, Qr. being composed of very minuse Contraction, as it found by Experience, in or spit and Contraction, and the Contractor of the Con-tractor of the Contractor of the Contractor of the Con-tractor of the Contractor of the Contractor of the Con-tractor of the Contractor of the Contractor of the Con-tractor of the Contractor of the Contractor of the Con-tractor of the Contractor of the Contractor of the Con-tractor of the Contractor of the Contractor of the Con-tractor of the Contractor of the Contractor of the Con-tractor of the Contractor of the Contractor of the Con-tractor of the Contractor of the Con

mental content of the 
and renation.

This is what Leaginus, who has wrote expressly on the Subject, means by Sublime. The Definition, indeed, is not his, but M. Redisen's; for the Author writing his Book after another of Redistin, on the Subject, employ'd almost wholly in showing what the Sublime is, declined defining it,

smally in the wind with the Surfame is, declined defining is, as impossing in well on the property of the prop

so extraordinary a Turn of Expression, which shows the Obedience of the Creature to the Orders of his Creator, is nly Subume, and has fomething more than Human.
Luginus makes five Sources of the Sublime: The The First, a

La gines makes in és Sources of the Svédiuse: The Entl., accretimi Envirsio of Mind, which makes us think bergin. The Stoned, in the Pathetic, or that natural Velenous and covering simulated being the Svédiuse of the Svédi

HETIC, SC. SUBLIMING Post. Sec Aludels.

SUBLIMING Fort. See ALVELLS.
SUBLIMING ALL Glands, in Anatomy, two Glands under
SUBLIMING ALL Glands, in Anatomy, two Glands under
the Tongue, placed on each Side thereot. See TONGUE.
Thefe with the Sipoglouties filters a frozen Humon, of
the Nature of Salira, which they discharge by little Dalls
of the Nature of Salira, which they discharge by little Dalls
of the Nature of Salira, which they discharge by little Dalls
SUBMULTIFIE, in Geometry, &c. a Submultiple
Submutity, is thet which is econimed in a certain Namber of

Quantity, is that which is contained in a certain Number of times in another, and which therefore repeated a certain Number of times, becomes equal thereto. Submultifle of 21. Thus 3 is a

In which Sente, a Submultiple coincides with a Quees Part. See Quora Part. Submultiple Ratio, is that between the Quantity containd, and that containing: Thus the Ratio of 3 to 2t is Submul-

and that containing: Thus the Ratio of 3 to 2t is Submul-riples. See RATIO.

In both Cases, Submultiple is the Reverse of Multiple: 21, e.gr. being a Multiple of 3, and the Ratio of 21 to 3 a multiple Ratio. See Multiple

SUBMULTIPLE SUBMULTIPLE Subjuserparticular Submultiple Subjuserbipartiens Submultiple Subjuserbipartiens

SUBNORMAL, in Geometry, a Line which determ the Point in the Axis of a Curve, where a Normal or Per-pendicular, rais of from the Point of Contact of a Tangent

prodictaller, mild from the Point of Contact of a Tangent to the Carre, cust the Axis. See Corv., So, the Solvenmal is a Line, which determines the Point whether the Axis is use by a Line Billing perpendiculty to the Contact, Ping. 19, being a Tangent to a Carre in M, A and M R a Normal or Prepandicult to the Tangents the Line P. R. Intercepted between the Seminodana: P M and the Normal M R, is still the Solvenmal.

Heres, et al. in Particulus, as A M, 45. the silvermal of the Contact M and the Contact M R and the Contact M R and the Contact M an

to I.M., 29 In the Parabola, the Subnormal P.R. is Subduple the Parameter; and, confiquently, an invariable Quantity. SUBORDINATION, a relative Term, expectling the Degree of Superiority or Infectiority, between one thing and another.

There is a Series of Suber-dinations running throughout all Nature. In the Church, there are feveral Degrees of Sub-dination, as of Descous to Prieffs; Prieffs to Prelates, &c. The like are observable in the fecular State; In Offices of

The like are observable in the feculte State 3 in Office of War, Justice, 45c. and evan 1 in the Sciences, Tripmonettes in fabrificate to Geocenty; and in the Viruse, Additioner was Challing to Periodecade in the Viruse, Additioner was Challing to Periodecade in the Viruse, Additioner was Challing to Periodecade in the Constant Parks, 18 cm 1 of the Periodecade Challing to Periodecade in the Challing Infraeding or bringing in, a slid Winted, or corrupting or allusing a Fection to of the a Felf of Canada Parks, 18 cf. of IL C. S. is the silating to Periodecade in the Act of Canada Parks, 18 cf. of IL C. S. is the silating to Periodecade in the Act of Canada Parks, 18 cf. of IL C. S. is the silating to Periodecade in the Act of Canada Parks, 18 cf. of IL C. S. is the silating to Periodecade in the Act of Canada Parks, 18 cf. of IL C. S. is the silating to Periodecade in the Act of Canada Parks, 18 cf. of IL C. S. is the silating to Periodecade in the Act of Canada Parks, 18 cf. of IL C. S. is the silating to Periodecade in the Canada Parks, 18 cf. of IL C. S. is the silating to Periodecade in the Canada Parks, 18 cf. of IL C. S. is the silating to Periodecade in the Canada Parks, 18 cf. of IL C. S. is the silating to Periodecade in the Canada Parks, 18 cf. of IL C. S. is the silating to Periodecade in the Canada Parks, 18 cf. of IL C. S. is the Silating to Periodecade in the Canada Parks, 18 cf. of IL C. S. is the Silating to Periodecade in the Canada Parks, 18 cf. of IL C. S. is the Silating to Periodecade in the Canada Parks, 18 cf. of IL C. S. is the Silating to Periodecade in the Canada Parks, 18 cf. of IL C. S. is the Silating to Periodecade in the Canada Parks, 18 cf. of IL C. S. is the Silating the Canada Parks, 18 cf. of IL C. S. is the Silating the Canada Parks, 18 cf. of IL C. S. is the Silating the Canada Parks, 18 cf. of IL C. S. is the Silating the Canada Parks, 18 cf. of IL C. S. is the Silating the Canada Parks, 18 cf. of IL C. S. is the Silating the Canada Parks, 18 cf. of IL C. S. is the Silating

SCHERLEY, SUBPOEND, is a Writ, whereby all Perfors under the Degree of Peerage, are call'd into Chancery, in fach Criss, where the Common Law hath made no Provision, so that the Party can have no Remedy by the ordinary Course of

Common Law.

The Peers, in fuch Cafes, are called by the Lord Chancellor's Letter, giving Notice of the Suit intended against them,

lor's Letter, giving Notice of the Suit introded against them, and requiring them to appear.

There is also a Subjeans and reflictendation, for furnishing of Wintelles, as well in Changery, as in other Courts.

There is also a Subjeans in the Euchopeans, as well in the Court of Equity there, as in the Office of Pleas. For the North Subjeans in the Wintell Subjeans

charge the Party fummoned to appear at the Day and Place

affigued a Sub focus contain Rivorum.
SUBPOPLITARUS, in Anatomy. See PopLITARUS.
SUBPOPLITARUS, in Anatomy.
SUBREPTION, the Action of obtaining a Payour from
a Superior by Surprise, or by a falle Representation.

Subreption differs from Obreption, in that Obreption is a file Expectition of the Quality of a Thing or Pack, &c. And Subreption, a want of Expection; or a fraudulent Re-ciency or Conculment of a Thing, which would have reader'd the obtaining of the Favour more difficult. The Word is form of from the Latin, fibe, under, and repo,

SUBREPTITIOUS or SURREPTITIOUS, a Term applied to a Letter, Licence, Patent or other Act, fraudulent-ly obtain'd of a Superior, by concealing force Truth, which had it been known, would have prevented the Conceffion or

Grant.

The Benefit of Letters, Licences, Efc. is forfeited, when they are found contrary to the Informations given; they being then reputed Substyptitions.

Papal Bulls and Signatures are Null and Substyptitions, when the true State of the Benefite, the Manner of the Vacancy, and other necessary Matters, are not justly fignified to

Subreptitions differs from Obreptitions. See Subreptitions. Studies of full-fitteding a Person in the Civil Law, the Action of substituting a Person in the Place, and intititing him to the Right, of another.

In its general Sense, Subrogation implies a Succession of any Kind; whether of a Person to a Person, or of a Person to a Thing.

There are two Kinds of Subrogstions, the one Conventi-

There are two issues of contract, whereby a Ceeditor transfers his Debt, with all Appartenances thereof to the Profit of a

third Person, thard Perion, who discharges an antecedent Geditor; in which Logal Stolengation, is that which the Law makes in favour of a Perfon, who discharges an antecedent Geditor; in which Cafe there is a logal Translation of all Rights of the ancient Occilitor to the Perfon of the new one. This the Cavilians more utually call Stocession, as being wholly the Work of the Law, and to distinguish it from the occessional Stategation, which they also call Oxfore. See

conveniental distrigation, which they allo cut Ciffue. See
The Word is found from the Lattin, Subsequis, of set
Varb Rogers, which, armong the statices, Roman, Rajadied to
Varb Rogers, which, armong the statices, Roman, Rajadied to
Heart Company of the Company of the Company of the Company
being and by the Magilitanes. And an Laws made by the
white their guide, in a regard the Proper made them, upon
being and by the Magilitanes. And an Laws made by the
white their guide, a new, if they thought good on have the
Law whethy abouth of, Lee importance if only a Part of
or Amandanes were coded to in, Lee disposation in the Pitter of
Magilitanes were also did not proposed in the Pitter of
or Amandanes were coded to in, Lee disposation in the
Magilitanes could be, but by Contine to the Dought, see, or
or configuration, but by Contine to the Dought, see, or
or configuration, but the Contineer for Leepen or
the Bird and Side of the Seymen way. A Market and fine from
the Bird and Side of the Seymen way. A Market and fine from
the Bird and Side of the Seymen way. A Market and fine from
the Bird and Side of the Seymen way. A Market and fine from
the Bird and Side of the Seymen way. A Market and they contineed the whole Common, or Understand to it is indirected by a
SISSER/IPTION, the Signmen per six the bottoms of a
SISSER/IPTION, the Signmen per six the bottoms of a
SISSER/IPTION, the Signmen per six the bottoms of as

and draws it draws to the Sold of the Trunk.

SUBSCRIPTION, the Signature yet at the bottom of a Letter, Writing, or Influence. See Storatorax.

The Charth Hillency, we near with Influences of Subferiging, worse in the Blood of Fifter Carely. Natures, in the Cooking America, we was the Subject of Fifter Carely. Natures, in the Cooking America, that Either was deposited, flay, They Subject of Cooking, Watchin Hart Either was deposited, flay, They Subject of Cooking, Watchin Hart Parkey and Forder, and with the Hart Parkey and Colfin. The Hillence and Parkey Subject of Cooking Watch the List, America the wrone the Depole Blood of Colfy in the Hills of the Cooking Carely Subject of Colfy in the List, America the wrone the Depole Subject of Colfy in the List, America the wrone the Depole Subject of Colfy in the List, America the wrone the Depole Subject of Colfy in the List, America the worse the Depole Subject of Colfy in the List, America the worse the Depole Subject of Colfy in the List, America the worse the Depole Subject of Colfy in the List, America the worse the Depole Subject of Colfy in the List, America the worse the Depole Subject of Colfy in the List, America the worse the Depole Subject of Colfy in the List, America the worse the Depole Subject of Colfy in the List, America the worse the Depole Subject of Colfy in the List, America the worse the Depole Subject of Colfy in the List, America the worse the Depole Subject of Colfy in the Subject of Colfy in the Colfy in tion of Pyrrbus.

Suscarification, in the English Commerce, is used for the Stare or Interest, particular Persons take in a publick Stock, or a Trading Company, by writing their Names, and the Shares they require, in the Register thereof. Half the Com-merce in England is carried on in Subforphism. See Courta-

meter in Legglom's scarrice on in assignification. Occ OSER-NY, BUREAR, PSON, 25%. Office of the Model Subjeription, The French bave likewise of the Adlons of the Ledia Company. A Subjeription differs from an Adlon in in that the first is properly only an Adlon Segun, or an Engagement, by making the first Payment, to acquit the roll the Time limited; and chart the other is the whole Adlon, preform in all its and chart the other is the whole Adlon, preform in all its Parts. See Acrion.

Suscentivion, in the Commerce of Books, particularly fignifies an Engagement a Perfon enters, to take a certain Number of Copies of a Book going to be perinted; and the reciprocal Obligation of the Bookfeller or Fublisher, to deli-

wer the faid Copies on certain Terms.

The usual Conditions of these Subscriptions, are, on the Part of the Bookfeller, to afford the Books cheaper to a Sub-feriber than to another, by one Third or one Fourth of the

I U D

Price stud on the Pair of this itsure, nodewatch half in Money in Hand, and to pay thereit on the Enlivery of the Copiest, And Agreement equally destinangeous or the one and the others, and Agreement equally destinangeous or the one and the others, and the study familities of the hand o

propoted, for the reducation of the Larygonous by the Beautifiching, but now with equal Success.

All the other Books fince princed by Bulgferighton, are M. Ducker's Translation of Plataret's Lives; the Deferition of Verfaillet, and F. Daniel's History of the French

an interpolated, they are become exceedingly frequent; and their Frequency has rendered them liable to forme Abules. Subsequently the property of the state of th

# SUBSEQUIALTERATE SUBSUPERPARTICULAR SUBSUPERPARTIENS SECRETARIO.

SUBSIDY, in Law, any Aid, Tax or Tribute granted by Authority of Parliament to the King 3 on prefling Occasions of the State 3 levied either on Persons, Lands or Goods. See DUTY.

Such are the Land Tax, as 'tis call'd; which is usually at the Rate of three or four Shillings in the Pound, for Lands, and of two Shillings and eight Pence for Goods, &c. See

TAX. BY TAX OF T Heregeld, &c.

Hergold, 15c.
But upon the Lands becoming especific by the Desert,
King Exferints in the Text root, supred to pay them yearly
roose Ownshie for Recomption of Issee, which Som was
reported by the Recomption of Issee, which Som was
also required to the Recomption of Issee, which Som was
also required to the Recomption of Issee, and at English to
also required to the Recomption of Issee and
also reported to the Recomption of Issee and
also recomption of Issee and Supplies
Inspected on London and the Recomption of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the Control of Issee and Supplies
imposed on London as the London

imposed on Lanes; as trove on Gatta, Sang.

See Hidder. A seem of the seem of the Greek, Both these the Normans founctimes call'd from the Greek, Both these the Normans founctimes and forestimes, and fometimes from their own Language, Taillage, and forestimes, according to the Castom beyond-Sea, Subfidia.

and Justita.

After the Conquetl, these Subfities from to have been granted differently from what they now are; as every Ninth Facet, every Ninth Fleece, every Ninth Sheep, &c. Sometimes the Rate was every Tenth, and Contrinues very Effectant, &c. See Tenth, Fifthernth, &c. See also BENEVOLENCE.

In Frience, the King alone, by his own Authority, impro-Soffette on his People, at the own Difference. What the Company of the Company of the Company of the Soffette on his People, at the own Difference. What the Company of the Company of the Company of the by the design administration of the Company of the by the design administration of the Signature of the Disputy of themselves, and who, in relief to harroft, reader themselves, in themselves, and who, in relief to harroft, reader themselves, and themselves, and who, in relief to harroft, reader themselves, and themselves, and who, in relief to harroft, reader themselves, and themselves, and who, in relief to harroft in Signature of the themselves, and who, in relief to harroft in Signature, to the designation of the Signature of the Signature of the Signature, and prevent their being overcome by a public to the Signature, and Signature, the Signature of the Signature of the Signature, and Signature, the Signature of the Sig

[Nn] Thus Thus a Piece of Wax is a Subfleme; became we can conceive it as fubfilling of itfelf, and of its own Nature, without any Dependance on any other created Nature, or without any particular Mode, Form, Colont, Etc. See

without my Depoidance on any other created Nation, see Monra.

Monra.

Monra.

Symple minuting, that there is but one only designed in the control of the co

Jeweller commonly knows befere than a Philosopher. See DEFINITION.

The fine largest occentring the Operations of the Mind, etc. Thinking, Redeficing, Ed., which we concluding not to to Body, or be produced by it, we think them the Addition of four other Solightens, which we call Spirit, of whose four other Solightens, which we call Spirit, of whose four the Company of the Produced Solightens of Nation as of that of Body; the curb being but the fappoil of Solightens of the fingle folias we have from without; as the other of those Operations, which we experiment in ourflive within a Solightens of the 
Operations, which we experiment in ourfelves within a So that the Idea of Gerperas Subjease in Matter, is as remote from our Conceptions, as that of Spiritual Subflavor. Heace we may conclude, that he has the perfect I dea of any particular Subflavore, who has collected most of those fample Ideas which do exist in it; a among which, we are to reckon it active Powers and passive Capacities, though not

ttrictly fimple Ideas. Subflances are generally diffinguish'd by secondary Qualiies, for our Senies fail us to the Difference of primary ones, as the Bulk, Figure, Texture, &c. of the minute Parts of Bodies, on which their real Conflitutions and Differences

Sec PARTICLE. But fecondary Oualities are nothing but Powers, with re-

lation to our Senies. One Complex core of Corpression The Bleast them the one Complex core of Corpression The Bleast them the Senies Fifth, the Island or primary Qualities of Things, which are differenced by our Senies, but as Bulk, Figure, Moston, (etc. Secondly, the Senible fecondary Qualities, which are exching but lowers to practice that the senies of the Seni lation to our Senfes,

Befides the complex Ideas we have of material Sol-flances, by the simple Ideas taken from the Operations of our own Minds which we experiment in ourfelves as Thinking, Understanding, Willing, Knowing, &c. co-existing in the fame Substance, we are able to frame the complex Idea of a Spirit: And this Idea of an immaterial Substance, is as

clear, as that we have of a Material.

By joining these with Subflance, of which we have no By jaining thefe with Subfaure, of which we have no diffinith fides, we have the Idea of Spirit: And by puting together the Ideas of coherent, folid Patts, and Power of being mov'd joined with Subfaure, of which likewife we have no positive Idea; we have the Idea of

Matter. Further, there are other Ideas of Subflauces, which may be called Collection, which are made up of any particular Subfances; considered as united into one Idea, as a Troop, Army, 45c. which the Mind does by its Power of Com-positions. These coelective Ideas, are but the artificial dependant, into one View, the Street of Conces, and in-dependant, into one View, the Street of Conces, and in-dependant, into one View, the Street of Conces, and for-pulate of them united into one Conception, and for-pulate of the Concession of the Concession of the Street by one Name. For there are no Dings for remote, which the Mind etanox, by this Art of Composition, bring into one when the Concession of the Concession of the Concession of the world. Sec Convention of the Concession of the Concession of the world. Sec Convention of the Concession of the C See Composition

SUBSTANTIAL, or SUBSTANCIAL, in the Schools SUBSTANTIAL, or SUBSTANCIAL; in the Schools, fomething belonging to the Nature of Subfance.

This generally diffused, whether or no, there be fach Things as fully familial towards, i.e. Forms independent of all Matters, or Forms that are Subfances themselves. See

FORM. Supfantial, is also used in the fame Sense with Efficial of copposition to Activities in which relation, it gives room for abundance of Drittingue. See ELERNTIAL. SUBSTANTIVE, in Grammar, a Quality stribed up, Noun or Name, when the Object it designs, it confidered famply, in itself, and without any regard to its Qualities.

When the Object is confider'd, as cloath'd with certain Qualities, the Noun is faid to be Afjetfive. For a more palpable Criterion; All Nouns, to which one cannot add the Word Thing, are Subfautives, and all those to which Thing may be added, are Adjectives. See Ap-

Jacustus. E Tinglier ebdetves, 'tis a common Millake in Gramma-nians, to define a Norm dolighterien, to be that which do-ted the state of the state of the state of the state of the TDE Millake article bene, that finding all Sublitanes re-ported by Subfantires, they have call'd all Kinde of Noam, Subfantires. But it does not follow, that all Noam design Subfantires, witness the Noam Anticort. Lightness, the state which are far from carefuling Sublitanes, and yet are true Noam Subfantires. But the Subject flower of it flo, the DEA. nition is laudable.

Nouns Subflautives fometimes, become Adjectives; and Nouns Adjectives become Subflautives. In effect, the Na-Noman Augustiment Indirection, Sections Accidence of an Accidence of the Accidence of the Country of an Accidence of the International Country of the Country of the Country of an Section of the Country of the Country of the Country of the Country of Country of the Country of the Country of the Country of Country of the Country of the Country of the Country of the Country of Country of the Country of the Country of the Country of the Country of Country of the Country of the Country of the Country of the Country of Country of the Coun

but the Thing they properly figuify: yet we have fometimes known the Name of Cato taken Adjectively; as, This is to be Cato, indeed. Nor does Malborbe feruple to fay in French,

he Cata, indeed. Nor does Malkrebe freuple to fay in Henels, Plus Mars que he Mars de la Thrace. 2º Proper Names are sometimes converted into the Name of Dignities, 5% as Coffer, Angostus, 5%. In which Cale, they may be considered, in the same Light, as Nooms of the fourth Kind

fearth Kird,

3º Thois of the fectod Kind, are also fortetimes taken
Adjektively, as, He is much a Man, Ec. The third Kind
are Adjektive the meliciar Fee from Kind, all General
marinarian bern motored Stollandrivel; exception B. Bright,
Therm, Adolfactively. Be this as it will, they are frequently
used adjectively; Jie is more a King, and more a Philodepher has any of his Producedine.

Now for Adjectives taken fightarrively, a \* Tarciples.

Now for Adjectives taken fightarrively, a \* Tarciples.

The Company of the Company o

Now for Adjectives taken fulformienty, 2º Participles Peffire, are very erritly thus itsels, though we forther times lay, "The Level are left petity than the Levent; The mande a saling, "Let And, 2º Participles Active are sites full more rarely for Boldmarker. We farme even, e. gr. for the I coing, the Reading, but the Lever, the Reading that the Lever, the Reading and the Lever, the Reading that the Lover, the Reading and the Lever, the Reading last, the Opponen, Ec. 2º Tor Nissan Adjective, the learning the Man, we are only self-Sulfartirely, that are even become Sulfapience by Partann Malacreans, (Ec. OP Opinion) as book, prejustices

Ule 3 whether two to e men as regard Retigion; as commer-ragan, Mahometan, & Or Opinion; as Stoic, Peripatene, Cartefan, & Or Country; as the Finglife, France, Indicate Or the Temperambet; as the Melancholic, Palegnatis, Choleric, &c. Under the fame Rule, are likewife compre-

hended abundance of Adjectives, figuifying a Number of People agreeing in fome common Attribute; as, the Learned, the Great, the Devout, the Brace, the Diffedure, 26%. But Uje is here to be regarded; for we don't say the Elequent, as we say the Learned; but Elegant Writers, 26%. Tis Octions, and the Ear alone, that are to decide about the'd

Differences.

Differences, Again, Adjectives taken fishflamicesly, for other Things behie Men, are citter foused, to figurity a Number or Set of Things that have some common Quality, or to express an abstract Quality. In both which, as in those of Men, there are some authorized by Gustum, and others formed every Day on their Model.

erery Day on beir Model.

With regard to which lad, UKs, again, and the Ear, are to decide. Here All the Adjecthress of Colons, are used folighterinely as the White, Black, Green, E.G. Some of hold principles are the White, Black, Green, E.G. Some of hold principles are to the Colons and the Colons of the Pattern, and the Agent and the Colons of the Colons of the Pattern, and the Agent and the Colons of the Colons of the Colons of the Pattern of the Pa

Names are wrote after theirs in the Lift; to receive Signi-fications and Summons's made in their Abience.

'The Word is form'd from the Latin, fub, under, and

flatus, I appoint, establish Sussairura, in Medicine, a Drug, or Remedy that may be ufed in lieu of another; or that fupplies the Place of an-other of like Virtue, which is not to be had; call'd also a Suscendamenton. See Succedanton.

Succeedings. See Successantons.
The Root of the prest Centaurum, and Sometimes Manch's Ruborth, are sided as Soligitation to Misaposita. See Sufficient to Misaposita See Sufficient to Misaposita See Sufficient to Misaposita See Sufficient Sufficient See Suffici

left him.

Allifitation is a kind of laberiance, call'd Educiny, or Salifitation in expand the immodulate Inheritor has only related to the company of the C

See REMAINDER.

Among the Romans, there were abundance of these Fide Among the Romans, there were abundance of thefe Fidu-ciary Heirs; who enjoyd Inheritances, till they returned them into the Hands of the right Heir; and the Reafon why they did not likewife reflore the Fruits, or that the Feuits were not deemed to make a Part of the Inheritance, but only of the Thing, was, that the Fiduciary was obliged to rain the Risks, and to fand the Charge of the Culture of

Susstitution, in Algebra, Fractions, &c. is the putting

SURSTRUTEVIEW, in Algebra, Forditons, Gfe, is the parting in the Room of any Quantity in an Equation, from eather the August of the Company o

METIC.
The Doctrine of Subfiraction is as fullows;

#### To Substract a less Number from a greater.

1° Write the lefs Number ander the greater, in fach Man-ner, as that homogeneous anfere to homogeneous Figures, i.e. Unites to Unites, Test to Ten, 26: a we have directed under Addresses. 2º Under the two Numbers, draw a Line. 2º Subptack Security, Unites from Unites, Test from Test, Handreds from Hundrods, 5 beginning at the right Hand, and proceeding to the Left; and write the feveral Remainders in their correspondent Places, under the Line. 4° If a greater Figure come to be fubrrated from a left; borrow an Unite from the next Left-hand Place; this is equivalent to 10, and from the next Left-hand Place; this is equivalent to Eq. and added to the left Number, the Sulfrathins is to be made from the Sum; Or if a Cypher chance to be in the next Left-hand Place, borrow the Unite from the next further Place. By the Rules, any Number may be full reflect out of another greater. For Example; If it be required, from

9800402449 4743865263 The Remainder will be found 5056538196

For, beginning with the right Hand Figure, and taking 3 from 9, there remains 6 Unites, to be wrote underneath the Line: Going then to the next Place, 6 I find, can't be taken from 5; wherefore, from the Place of Handreds 4, I berow one, which is equivalent to Ten, in the Place of Ters3; and come of buildness, some the react on transference, a receiver of the control of t

For fixex 9 Penes cannot be fight-relief from 6 Penes 4 of the 6 Shillings, can is enterword into 12 Penes 1, by which the 16 Shillings, can is enterword into 12 Penes 1, by which the penes 1 Penes

the Subfiraction is justly perform'd : For Example ;

Substraction, in Algebra, is perform'd by connecting the Quantities with all the Signs of the Substahend changed 3 and at the fame time uniting fach as may be united; as is done in Addition. Thus +7s flubfractes from +9s, makes +9s - 7s or 2s.

In the Subfraction of Compound algebraic Quantities; the
Characters of the Subtrahend, are to be changed into the contrary ones, vie. + into -; and - into +. See QUANTITY.

To Subfrall Specious Numbers, or Quantities from one another; both those affelias with the same, and those with contrary Charalters.

10 If the Quantities defign'd by the fame Letter, have the fame Signs; and the less be to be fullfirstles from the greater; the Subfirstlies is perform'd as in common Arithmetic, e.gr.

$$\begin{array}{lll} sb+4d-f &=& 5b+4p-\frac{5}{4}\\ ab+d-f &=& 2b+1p-\frac{1}{4}\\ 3b-3d-0 & 3-+3p-0 \end{array}$$

2° If a greater Quantity be to be fulfirabled out of a lefa; the lefa mail be fulfirabled out of the greater, and to the Remainder, mult be 'prefa'd the Sign -; if the Quantities be afficked with the Sign +; or the Sign +, if they be affected with -.

16a+bb-9d = 16lib+2fb-9d 19a+3b-11d 19 +3 -11-1d-1b+2 -3- I

3º If the Quantities have different Signs; the Subfraction is converted into Addition, and to the Aggregate is prefix'd the Sign of the Quantity, whence the Subfraction is to be made : For Example ;

88-50+9d =8lib.-5+9d 68-80-7d =6 -8-1 28+36+168=2lib.+3+16

4° If the Quantities be expres'd in different Letters; they must be connected; only the Characters of the Subtrational must be changed into the contrary ones; For Example;

$$\begin{array}{ccc} & s+b-c & s+d \\ & s-c+f & c-e-g \\ & s+b-c-d+e-f & c+e-g \end{array}$$

Substraction of Logarithms
Substraction of Vulgar Fractions
Substraction of Decimals
See Practions.
Decimals.

SUBSTRUCTION, in Building. See FOUNDATION. SUBSTYLAR Line, in Dialling, a right Line, whereon the Style or Gnomon of a Dial is credted. See GNOMON. SUBSITIAN Law, in Dalling, a right law, whereon the Style or flormon of a Bill is received. See GNOMON.

In Polar, Horizontal, Meridional and Northern Diak, the Subsigher Line is the Meridian Line, or Line of 12 a Clock; or the Interfection of the Plane, whereon the Dials is delipsuated, with that of the Meridian. See MERST-

In Eafterly and Westerly Dials, the Substylar Line, is the Line of Six a Clock; or the Intersection of the Plane, where-on the Dial is delineated, with the prime Vertical. See Dias

DAGEN TANCEST, of a Gence, is the Line has decremented heartfellow of the Tangest with the Acids opt, when mouther lanerfellow of the Tangest with the Acid specification has Point wherein the Tangencus the Acids probability. A support of the Acid probability of the Acid

If it come out Negative, the Point of Interfection will fall on the contrary Side of the Ordinate, in refpect of the Vertex or beginning of the Abfeiffe; as in the Hyperbola, and Hyperboliform Figures.

And, univerfally, in all Paraboliform, and Hyperboliforn

And, universally, in all Patalonitoms, and raypercounters figures, the 3th effector is equal to the Exponent of the Power of the Ordinate, multiplied into the Abdish. Thus in the common Patabola, whole Propercy is p<sup>2</sup>=29. The Subsengent is in Length, equal to x, the Abdish multi-plied by 2, the Exponent of the Power of p.y, the Square of the Ordinate; that is, it is equal to twice the Abdish; and by the former Xule for Paraboliform Figures, it must be Thus, alfo, in one of the cubical Paraboloids, where parameters, The Length of the Sub-rangent will be a of the

PANNINGLY, Inc Length of the Man-Augent with be 3 of the Aboliti, Thus in the Figure, you will be 6 that the San-Augent in any Carve is a Line, which determines the Interfection of the Tangent in the Axis.

SUBTENSE, in Geometry, a right Line, opposite to an Angle, and prefuned to be drawn between the two Externation of the Arch, which mensimes that Angle. See

ARCH. The Subtense of the Angle coincides with the Chord of the Arch. See CHORD.

the Arch. See Choon. The new rechanged the Subtenfe of the right Angle, is equal to the Squares of the Subtenfe of both the other Angle, is equal to the Squares of the Subtenfe of both the other Angles is by the 41th Prop. of Endist. This wonderful Property of that Triangle, was first discovered by Psychogoras, who in the Trainfper of Joy, hereby occasiond, facrificed a Heatomb. See TRIANGLE. The Word is form'd from the Latin, fith, under, and tendo,

SUBTERRANEOUS, fomething under Ground. See FOSSIL. Naturalists talk much of Subservaneau Fires, as the Caufe

Volcano's, See FIRE and VOLCANO.
Subterranson Winds, as the Caufe of Earthquakes. See EARTHQUARE. Mr. Boyle gives us an Inflance, from the Differtation de Admirand. Hungar. Aquis, of a lange Subterrancous Oak

dug out of a Salt Mine in Transfilvennia, so hard, that it could not easily be wrought on by Iron Tools; which yet, being exposed to the Air out of the Mine, became so rotten, that in sour Days, it was easy to be broken and camalled.

that it nour Jays, it seems to be records and cannoted between each skipper between each skipper. That the Tees turned on of the Earth, by the Breaches at 16/69 Thorrock and Diegoslam, though probably no other than Ader, and interrog has Ages ago, in a rotten, oncy Mould, were fe exceedings and the could make that the things of the could make the things of the could make the transfer of the could make that the things of the could make the could make the could make the transfer of the could make the could m

be crumbled between the Fingers. SUBTILE, in Physicks, intimates a Thing exceedingly from

SUBTILE, in Physicks, intinasts a Thing exceedingly frag-fine, and delicate; fach as the Animal Spirits, Vg. the EHIR-of codorous Bodies, gg.c. are fupporfed to be. See EFFLUYI, One kind of Matter is only more flatilite than another, in that being divided into finaliter Parts, and those, too, more agirated 3 on the one hand, it makes the Refishence to other Bodies 3 and on the other, infinants itself more celly im

The Carrefiaus fuppole a fabrile Matter for their first Ex-

ment. DE CARTESIANISM and BLEAKENT.
This they hay down as forecredingly Fine, that it proteins the minute Poers of Glafs and other folid Bodies; and from this they account for mod of the Phanomens of Naure. See Vacuum, Planum, Suction, 26t.
Yet they don't precend to prove the Existence of this Matter, otherwise than by Confequence. See Matteria

Subtilis.

SUBTILE Matter. See MATTER.
SUBTILIZATION, the Act of fabrilizing, or rendering any thing finaller and fubriler; pericularly, the diffolying or changing a mixt Body into a pure Liquor, or a fine Powder

Powder,
SUBTRIPLE Ratis, is when one Number or Quantity is
constitude in another three times; thus 2 is fail to be 58th
Constitude in another three times; thus 2 is fail to be 58th
SUBURBICARY, in Epither given to those Provinces
SUBURBICARY, in Epither given to those Provinces
of India, 16th, which composed the saction Discords or Parts
eather of Ratins. See Provinces.
The Term is form'd from the Latin, fish, under, and strik,
Giv. They were also forestimes call divisionsy Provinces.

The Term is some afficient call'd Distance Provinces.
Authors ufailly reckon Ten of the & Submission Provinces;
Authors ufailly reckon Ten of the & Submission Provinces;
whereof Lady, from the Pp to the Heet made Seven, and
the lifts of Sicily, Sardinia, and Corfus, the other Three.
Yet Submission will have the Submission Provinces confined
the Energy in the Neighbourhood of Rome, to which the

to those Four in the Neighbourhood of Rome, to which the Authority of the Pracect of Rome extended; and these he makes the Limits of the Diocese of ancient Rome. See F. Sirmend takes the other Extreme, and comprehends all

F. Girnsel takes the other Extreme, and comprehends all the Wilf under the Name of Sadariciaries, Previnces. Refuse the Wilf under the Name of Sadariciaries, Previnces, Carlos the Wilf under the Name of Sadariciaries of the Sadariciaries of the Paper, in the Sarch Chann of that Council, by Wijne, That he had the Care and Interduces of the Sadariciary Provinces. Hence, the different Sentiments of Anthone, with negation the Sadariciary Provinces (near of Anthone, with negation the Sadariciaries). Sadariciaries of the Sadarica of the Sa

Superirure

Superivers, Subfiture and Succeloneum, are of equal Import, unless, with fome. Authors, we chufe to ute Subfiture, where a Simple of like Virtue is put for another; and Succedenseum, where a Compound is uted with the fame Innovation. The Word is formal from the Latin, Succeed, so fucced,

SUCCENTURIATE, in Anatomy. See RENES 500-

SUCCENTURIATION, the Act of Subflituting. See SUCCENTURIATUS, in Anatomy, a Muscle, call'd

alfo Pyramidalis. See Pyr AMIDALIS. SUCCESSION, in Philosophy, an Idea we get, by refledling on that Train of Ideas confrantly following one snother in our Minds when awake. See IDEA and MODE.

The Diffact between any Parts of this Sunceffora, is what we call Direction. When this Sunceffor of Ideas calle, we have no Perception of Time or Duration thereof; but the Moment we fall after, and that wherein we awake, from

Moment we this succept, and that whereast is connected. So D'URATION.

They, who think we get the Idea of Sucception from our Observation of Mostein by our Senies, will come into Mr. Lock's Sentiment, above, when they confider that Motion produces an Idea of Sucception to otherwise, than by producing a continued Train of diffinguishable Ideas. Motion

A Man that looks on a Body moving, perceives no Motion, nlefs that Motion produce a confiant Train of faces for leas. But where-ever a Man is, though all Things be

at rell about him, if he Thinks, he will be con Succession, in Aftronomy.

Succession, in Aftronomy.

The Succession of the Signs, is
the Order wherein they follow each other, and according to
which, the Sun enters, incerfively, into one, then into another, call'd, also, Configuence.

This Order is express'd in

the two following Technical Verfes;

Sunt Aries, Taurus, Gemini, Caucer, Leo, Virgo Labraque, Scorpius, Arcitenens, Coper, Amphora, Pisces.

When a Planet is direct, it is faid to go according to the Octor and Succiffing of the Signs, that is, from Joint to Cauran, 3G, whose Recrogaced, it is faid to go contray to the Succiffin of the Signs, vib. from Genium to Yasara, then to Joint, 3G. See Siron. Succession, in Law, implies a Right to the Univerfal-ity of the Etiteds left by a Defined.

lity of the Effects left by a Detunct.
Of this, there are feveral Kinds, ab-inteflate, inteflate,

A Succession, ab-intestate, is that, a Person has a Right to by being next of Kin, which is, what we call, being next Heir at Law. See An-Internation.

A testamentary Succession, is that, a Person comes to by

Virtue of a Will Virtue of a Will.

Succeffice in the direct Line, is that, coming from Aftendants or Defeendants. Collateral Succeffice, is that, coming by Unkles, Aunts, or other Collaterals.

by Unkles, Aunts, or other Collaterals.

A jacent or abordon'd Succession, is a burthensome or vexatious One, which no Body will accept of. There is no real Succession in Benefices; for here, no Body Inhents. Successions were anciently divided into Noble and Bate.

In Effects, that cannot be divided, as Kingdoms, &c.
the Succeffor falls on a fingle Head, which is usually the
eldest Son of the Decasted, as being supposed an indivisible
Representative of his Father. In Effects, that are divided, Representative of his Father. In Effects, that are divided, all the Children represent their Father, "Twas on this Francisch, M. Carvira observes, that each of the Sons of Procein had the Sons of th

SUCCESSOR, a Person who has a Right to hold the Place another held before him; whether he arrive at it by

Place another hete octore him; whether he hartye are it by Election, Collation, Interitance, or otherwise, Coar Hiltorians tell us, that Queen Elizabeth coald never bear to hear of a Succession. The King of the Romans is Prefamptive Succession for the Empire. The Canonitis fay, a Coadjutor is a necessiary Succession to a Prelatare; a Refig. Coadjator is a necellary Surceffor to a Prelature; a Refig-inatary to the Refigmant.

The Civilians Iay, a Titular Ufn-fructuary, can do no-thing to the Prejudice of his Susceffor.

SUCCINUM, in Pharmacy, Karabe of Amber; a bitu-minous Juice or Refin, which from a Floor grows hard and height. See Amaria.

Should No. In Transach, Advance of subset 1 a disabilities. See Annas.

The Whitell, and mad Tristyname; in accounted large, The Whitell, and mad Tristyname; in accounted large. The Whitell, and made and the subset of the second to compact to open and yield to no manual laborations; though force have a great Opinion of it, as a Bar it is recruit, that when Phasmacy exante from it, if of wonderful Efficiery, effectally in nervous Cafes.

The a powerful Subseties, informed that filt Theolor Mayron observes, in the Philiphphenia Magnelland, large Bad thereof, moderately her, be finall frest till they take him off, and made men, if he drait of the Decotion of SUCCURINE Mote. See Ances.

SUCCURING Mote. See Ances.

SUCCURING SUCCURIA, a Term and so figurity a Succession, who affiness the Super of a Woman, sink, as fool, large and the Allerdon of the Succession of the S

lies with a Man.

Some Authors ale Leavilus and Succedus, indiferiminately j
but they cought to be diftinguished a Leavilus being only properly used, where the Demon is fupposed to be in Porn of
a Man, and, as fach, lies with a Woman. See Incurus.

SUCCUIA, in Mechanicks, a bare Axis, or Cylinder,
with States init to move it round, without any Tympanami.

See Ax18. SUCCUS Pancreaticus See PANCREATIC Juice. Succus Nervofus

SUCKERS or Off-fets, in Agriculture, Gardening, Sc. are young Shoots, that proceed from the Root of a Tree, and are of the fame Kind and Nature with the Tree from which they spring; for fineh as grow from Trees railed by Gratting or Inocalation, follow the Nature of the Stock. See En-GRAFTING.

They foundtimes put forth near the Body of the Mother a neg Jonactimes pait forth near the Body of the Monha-plant; but other Sakehr at more Pilantee are left a yet the iomner removed when there is leaft Sap in the Top, and per-ferring what Fibous Roots are upon them, often perfora well. When they are taken ap, the Ground is to be well opened, and if they grow from the Body of the Tree, or great Roots, they must be care off clofe to the Stom, and fet preferrly. See Forces.

prefeatly. See STOCK.
It forwards much the firinging out of Stockers, to best
the Roses of Trees, and first them in fome Place.
SCOCKION, the Act of Sockers, or of drawing up a
SCOCKION, the Act of Sockers, or of drawing up a
Fluid, s. Air, Water, etc. by the Mouth and Lange,
Air is fixed in by the Madicies of the Theories, and Abdomine,
difficulting the Centry of the Lange and Abdomine,
officienting the Centry of the Lange and Abdomine,
collection to Socker and Control of the Control of the Control
of the Control of the Lange and Abdomine
confice to be a Constrobalizer to the external Li rate of the
confice to be a Constrobalizer to the external Li rate of by which means the Air melasten reservan, as ranned, and confer belance to the external Air, which, of confequence, is driven in by the Preffure of the Atmosphere through the Moath and Nodriis, See Restraction. Air is fack drivengh a Pipe, in the fame Manner as with the naked Moath: It being here all one as if the Moath the naked Moath: It being here all one as if the Moath

were extended the Length of the Pipe,

were extended the Length of the Fipe.

The Stiffino of heavetr Lajoures is performed after the fines Manner, e.gr. in lying prone to drink out of a Spring, Sir. the Lajou are spikel color to the Starface of the Vater, for a to pervent any Paffings of the fair between them; eiter the Carryt of the Addomen, Efc. being differeded as before, in the Preflare of Air incumbent on the Surface of the Water with-

Perfluce of Air incumbent en the Surface of the Water with-out the Cincenteries of the Meash, preculting one that out the Cincenteries of the Meash, preculting our the four the Cincenteries of the Cincenteries of the Cincenteries of the factor principle as Water in a Pump. See P. 103. In factor, a barry Julion, at Water, though, a Pipe, the lenger the Pipe is, the grown Difficulty in South in the Alexander Pipe II. The Rechoo of this gard for some per-pensive in Hydrodinistics, that Ended prefit according to Pro-, in the cutmon like relief College. The Cincenteries of the Pilat why greater or left Difficulty, at their Althoudes are left, one at their Albertadies are for jit two teach Collamne to concride.

the one twice as high as the other, and that other twice as the one twice as high as the other, and that other twice as thick as this first; shough the very fame Quintity of Water is to be field at through the Pipe, and the Force of the Air to railie is be exactly the fame, in both Cafes; yet there will be required a greater Difference of the Air Nifus of the Mufcles, to raife and fuck the former than the

From what we kave faid, it evidently enough appears, that what we call Stiffies, is not perform d by any active Beauty in the Mount, Lungs, 3%, but is performed by the mere Im-pails and Prefluce of the Aumosphere. So h. 1.—

in the Mouth, Lungs, 56, but is perform'd by the meet minpulse and Profilese of the Annophism. See Ann. Inpulse and Profilese of the Annophism. See Ann. Inpulse and Profilese of the Annophism. See Annophism of the
bore Axis or Cylinder, with \$6 a Term in Machinella, forebore Axis or Cylinder, with \$6 a Term in Machinella, for the
SUDAMINA, Brite Pimples in the Skin, like Millet
SUDAMINA, Brite Pimples in the Skin, like Millet
Route Like Annophism of the Annophism of the Annophism
SUDATORY, a Name given by the ancient Romans, to
their Swearing hondres, Grantisma Still Annophism
SUDATORY, a Name given by the ancient Romans, to
their Swearing hondres, Grantisma Still Annophism
SUDATORY, a Name given by the ancient Romans, to
their Swearing hondres, Grantisma Still
Sudamina Still
Sudami

The Sudatory was a Species of their Hypocausta.

HYPOCAUSTUM.
SUDOR, in Medicine, See SWEAT.
SUDOR, Anglicenus, or the Englis Sweat, is an Epidemic
Diffale, first perceived in England, in 1445.
Twas, properly, a fort of Plague; thus call'd, because
attended with an extraordinary kind of Sweat.

It made its Return four Times in the Space of 66 Years, viz. If made its Return rour 1 mess in the space of 60 Lears, 90%, in 1966, 1517, 1528 and 157, 1528 and 157, 1528 and 157, 158 and 157, 158 and 157, 158 and 158 Retorety. If he fairwised 24 Hoars, he was file. Few People clapsed of it at first too mach Care, and too little, were found equally defined to.

The Patient was to wait, without flirring, either in his Bed, or in his Cloaths, according to the Condition Nature

Bed, ser in his Counha, according to the Condition Nature was flarpriced in a vision barbeling bill meister with Executive was flarpriced in a vision barbeling bill bed by the condition of the

At its Return under Henry VIII. in 1516, it was as gene-neral, and as dangerous as before, and again difappeared all

At the third Attack, in 1528, 'twas lefs fatal; infomuch that Bellay, Bishop of Bayanne, then Ambassider in [Oo]

England, who Sweat like the reft, tells us, that of Forty thousand Souls, feiz'd with it in London, only Two thousand died. In 1524, it pas'd over into Ireland, where it kill'd SUDORIFIC, in Medicine, a Remedy that causes, or See SWEAT.

To the Class of Sudorificks, belong, 10, all Things that oving violently through the Body, attenuate the Humours, and accelerate their Motion.

2° Such Things, as at the fame Time diminish the Re-fiftance in the Sudatory Vessels about the Cutis. To which some add a third Kind, vie. such as absorb the Acidities of the Blood, and thus for at liberty the Matter of the Sweat.

The first Intention is chiefly effected, by a copious drinking of very hot Waters; by Acids drawn from Vegetables by Fer-mentation and Distillation; or those of Fossils, attenuated by monation and Diffilliation, or thole of Folfis, attenued by repeated Diffilliation, or floolify if their be drunk ruled with few Water; by Mindish, bed viotate and fixed, diluted in Water; by Mindish, bed viotate and fixed, diluted in Water; but compand Said, diluted in Water; but themselve, as Solitium Displayminium, fixed Sulphur of Technique; Benezich Mindred, Displaymini Martan, Displaymini Martan, Displaymini Martan, Displaymini Martan, Displaymini, Mindish, Said, conyi, Cimatuna, Catomitia, Saffena, Capillan Fuerett, Crisa, Diffuny, Esparcium, Gennian, High, Lared, Mart. Lock, Relinany, Lagoratori, Gennian, High, Lared, Mart. Lock, Relinany, Lagoratori, Saffena, Cariban, Lagoratori, Saffena, Martinater, Bialigardiam, Orwitstan, Eds. The Second is chiefly efficked, by cleanfing the Skin, by expertest Lesina, Bartis, and Frifinian i, by relaxing the Catastrous and Substatements Velficia, which is the thore by the Water Epiralish all over the Body, the Head excepted, by the Water Epiralish all over the Body, the Head excepted, and the Cariban Saffena, and the Cariban Saffena, Saffen

by increasing the external Heat about the naked Body, as by the Warmth of a Bed, a Vapour-bath, &c.

The Third is effected by Abforbents, as Corals, Crabs-Eyes, Diaphoretic Antimony, Bezoard, &c. See each under its er Article.

proper Article.

SUET, a kind of Fat, found in Sheep, Ozen, Hogs, 165.

SUET, a kind of Fat, found in Sheep, Ozen, Hogs, 165.

SUET, a kind of Fat, in the white we call Lidow, which neited down and clarified, makes when we call Lidow. Assuming, see, diffiningalli four Kinds of Fat in the Body of an Anmal. The first, which fixes itself, and after melising, cook into a very firm Confidence, they call Bott.

This binned in greated Abandance in the lower Belly, and about the Kindsey. The Word is formed from the Latin,

about the Kidneys. The Word is formed from the Latin, Statestins, 4 Str., Statestins, 4 Str., Statestins, 4 Str., and the Lating The Kidneys machines a Their Leiding, she then State or The Kidneys The Richards and Statestins, 4 Statestins,

after first metings it down with 3 links (301 of Olives, no make the Pattle the folier may make manageashing. Sufficient Grace, it a lating of Allinance God given to Main, we enable him on a lating or Allinance God given to Main, we enable him on the control of 
From these Principles, which are generally admitted by all Seets, however different in other respects, it follows, that there is some Affiffance of God which Man resists; some, uner as some Assusance of God which Man refills; some, wherewish Man does not ade, wherewish yet he might at 5 or some, whereby he does Evil, by which he might do well. "Tis this Affiliance that is call'd Sufficient Grace; because sufficiently no make us aft, though we don't at with it.

fufficing to make us att, though we don't att with it.

SUFFITUS, or SUFFITUSITION, in Medicine, a
thickift Powder, We, prepared of odoriferous Plants, Games,

We, which being thrown on Coals, the Vapours or Steam
thereof, are received by Smelling. See Fews a a row,

SUFFOCATION, in Medicine, We a Lot or Obfruction

of Respiration, Sufficialist fometimes arife from a too great Abundance of Blood thrown on the Lanes, or the Musicles of the Laryns, and preventing the larges of the Air; as is the Cafe in Squinancies, fufficating Cscarris, Peripneuronies, &c. See Squinan-

The Fumes of Wines, or fireng Beers, when boiling, cause Suffication, by interrupting the Circulation of the Blood.

And the fame may be observed of the Furnes of Lime, where with Walls are whitened; and those of Charceal, Antimony,

with Walls are wateried; and those of Chercoot, Antimory, Sulphur, Vittle and Spirit of Nine.

The Sufficient mader Water, is owing partly to the Paffage of the Air being flooped up, and partly to the Irruption of the Water into the Breath. See Discovering.

The Sufficient of the Words or Marrise, is a Difficie pretty.

The Marrise Sulphur See Survey of the Survey of the Survey of the Sulphur See Su promotes Sweat. See SWEAT.

Suddriftchs only differ from Diaphoreticks, in the Degree of
their Action; the one promoting fentible Perfpiration, the
other infentible. See DIAPHORETICES.

The Sufficientian of the Womb or Matripe, is a Difficial pretty frequent in Women, call'd allo, First of the Mather.

In this, the Patient imagine's a malignant Vapour rifigure from the Matrix, and 6 prefiling against the Lungs and the Diaphragm, as to prevent the free Motion necediary to Re-

fpiration

spiration. Its true Caule, is a Convulsion of the Muscles of the Laryns, which straighten the Wind-pipe, and prevent the Airs passing into the Lungs. Hence it is, that Hyldric Woman feel Constrictions in the Throat, as if one were stranging them with Cord. See Hydranarc.

them with a Cord. See HYSTRIC.
In Fisses, they dispatch their People that are raving Mad,
by fufficating them between two Pillows.
SUFFR AGAN, in the Ecclefialficial Polity, a Term spiled to a Biffhop, with refrect to his Arch-Biffiop, on whom he depends, and to whom Appeals are made from the Biffhoph
Official. See Bissor.

Official. See Institute.

In this Senfe, the Archbifhop of Cauterbury has Twentyone Suffragast; and the Archbifhop of Tork Four.

The Term was never heard of before the VIIIth Century.

The Term was never heard of before the VIIIth Century. Some diffuguith between Bilosp and Suffrages that Diematur Holispin and Archiefpings Suffragai Est affiliar Fenematur Est Suffragais is discustor quie earum Suffragais cauffe Esclofastice justicanture. Spelman. Others fay, they are call d Suffrages, becaute when call d by the Metropoliton to a Synod, they have a Right of Suffrage or of Voring, or because they could not be conferrated without his Suffi

Superacan is almufed for a Chrespifeopus, or an Affiliant-Bifhop, or a Condjutor, who has a Title, in partitus infal-lium, and affilis another in the Discharge of his Function, or

mittely, or a Consquent, who can be king, in particular impac-ditioning as in limited in the Ablience of that other. These feet one call Sulfisters Blights. every littleng and Architoge By Stames is Plany store, or the view, and fices the Eligibes Sulfinguists, the Seaso of Relidences wherein, and the Plany sulfreguists, the Seaso of Relidences wherein, are in the first sulfreguists, the Seaso of Relidences wherein, are in the season of the season of the Season of Conservings, the Architecture of the Season of Season of Season of the Linear, arChitecture, for Paralleles, and Galiffert, Sansalman, may mad in the like of Hights, (Season, 1997), the Season of the Linear, arChitecture, for Paralleles, and Galiffert, Sansalman, man, and in the like of Hights, (Season, 1997), the Paralleles of the Virginia of the Arch-denotes in the Season of the Paralleles of the Virginia of the Chitesture, are immediately therefore to the Virginia of the Districts, as are immediately therefore to the Virginia of the Districts, as are immediately therefore to the Virginia of the Districts, as are immediately therefore to the Virginia of the Districts, as are immediately therefore to the Virginia of the Districts, as are immediately therefore to the Virginia of the Districts, as are immediately therefore to the Virginia of the Districts, as are immediately therefore to the Virginia of the Districts, as are included to the Virginia of the Constitution of the Manufacture of the Constitution of the Constit

C SCRUTINY. The Prefident of the Affembly usually collects the

Suffrages.

The Word is form'd from the Latin, Suffragium, which saciently fignified Silver, as appears in the VIIIth Novel of Juftinion: Ut Judices fine Suffragio fant; and the Vith Novel: But emerit prefularum per Suffragium, Epitopatus is Ordina

Exchibition servicia.

Suffreger of the Soint, in the Remode Coards, are the Prayes and Inserections they are improved to make to God, in Soint Coards, are the Prayes and Inserections they are improved to make to God, in SI-FERANCE, in another Calones, was a Deby, or Refrie of Time the Lord granted his Validi, for the Fastermance Flesty and Homejee, for a to Gonera him from any foold Sciente. See Savrez, Vasast, Fra, 65.

The Word is slid under fee 2 Debay which the Lord genes his Validis, for the little mined of leve or identicates the policy with the Carolina of the Coard Coards of the Carolina of

bottom of the Stalk; fuch as Lavender, Rue, Sage, &c. See PLANT, TRAX, &f. SUPFUMIGATION, in Medicine, a Term applied to all Remedies that are received into the Body in form of Fumes, i.e. of Smoak or Perfumes. See Smoar. Their are composed of different Mattern, according to the Nature of the Diffuse.

Soffirmigations are intended to forten tharp, ferous Humours, to provoke or check the Courfe of the Menfes, to raife a Salivation in venereal Evils, &c. The Word is form'd from the Latin, fub, under, and fu-

mus, Smoak. SUFFUSION, SUFFUSION, in Medicine, an overflowing of fome Humour, flewing iteld in the Skins particularly that of the Blood or Bile. See Brussins.

That Rednefs ordinarily arising from Shame, is only a Sampling of Blood appearing in the Cheeks.

The Jaundice is a Saffinjen of Bile over the whole Body.

See TAUNDICE,

SUPPUSION is also used for a little Film or Pellicle, form'd in the aqueous Humour of the Eye, before the Pupil; call'd, also, A. See CATARACT.

SUGAR, Saccharum, a very fweet, agreeable Juict, ex-prefi'd from a kind of Canes, growing in great Plenty in the Lag and Woft Indies; particularly in Madera, Brafi' and the Cambbee Iflands

A Quittien not yet decided among the Boussille, Ser-whether the Aericans were sequelated with this Content was whether the Aericans were sequelated with this Content be fine? What we can gither from the Opinions and Arguments of the one Parry and the other; is, 'Utait if they know the Cross and the Juice, they did not know the Art of Condenting, Hartening and Whitening it, and, of confequence, know nothing of our Jagore.

bothing or dur aggar.

Some ancient Authors ferm to mention Siger, under the Name of Indian Sair's but they add, that it one'd out of the Canso dittiffs, and there harden'd like a Guns, and was even fitable between the Teuth, like our common Sait; whereas, our sie expendid by a Machine on purpole, and congulated by the Fire.

the Pire. Theirs, Salmaqius relis us, was refreshning and lookning, whereas ours is hot, and excites Third. Hence, some have imagined, that the ancient and modern Sager-Plaint were different: But Markelout, on Diogenies, C. 75. makes no doubt they were the fame; and others are even of Ominon, that ours has alexative Virune, as well as that of the Ancients.

that cans be a siscative Virue, as well as that of the Ancients, and that is purpose Finitia.

The Generality of Authors, however, agee, that the ancient 35gar was much better than the Modern; as confifting of only the finelt and matured Parts, which made themselves a Parlinge, and were condended in the Airs.

The Interpretates of Poticious and Storpius, cell Sugar, Speatium; a the Porjeans, Tabasti, and the Intilians, Mannicolated and Parlinge, and the Porjeans, Tabasti, and the Intilians, Mannicolated and the Porjeans, Tabasti, and the Parlings.

Salmafins affures us, that the Arabs have had the Art of making Sugar, fuch as we now have it, above 800 Years. Others produce the following Veries of P. Terentiss Vario Atacinus, to prove that it was known before Jefus Christ.

Indica non magna nimis Arbore crescis arundo, Illius extentis premitor radicibus bum Dulçia cui nomente fucco contendere mella.

Another Quefficion among Naturalitis is, Whether the Steper Clease be originally of the Holl Indies so whether they have been translend shidar from the Lind 1 for the Leader of the first first Lind 1 for the Leader of the first first Lind 1 for the Leader of the Leader of the Leader of Lead ducing it into Sugar.

#### Culture of the Sun An. Cane.

The Ree of a Rult, whence this suffix Juckie is drawn, refembles to thoic others we fix in Monfflis, and on the Edges of Lates; accepting that the Shirl of the Her in Juni and Albert and Shirl of the Her in Juni and Shirl of the Her in Juni and Signer-Reed is fully, and the frongeous Matter or Fifth it commins, very jucky, hough that in a generate of the Degran Her in He

with Leaves. with Louves.

The Ground fit für Suger-Canet, is that which is light, fold and finengy; Jiying on a Defects, proper no carry of its Water, and well rund to the Sun. They utally plant about in Piccos, cut a Poot and Half below from the Tup of the Plower. The das condinately pie in Ten Months, though fonetimes not till Hifteen, at which Time, they are found quite fail of a white, faculated Marrow, whose is expected.

the Liquor whereof Singer is made. When ripe, they are cut, their Leaves cleared off, and they are carried in Bundles to the Mills. The Mills confift of Three wooden Rolless, covered with Store Plates; and have their Moeion either from the Water, the Wind, Cattle, or even the Hands of Slaves. ce Sugan-Mill.

See Swo Ak-Mill.

Two Rules belonging hereto are, That no Cenes above four Foot, or under two Foot and a Haif long, be fent to the Mills; and, That no more Canes be cut rhan can be conveniently prefed in 24 Hoars; in regard they will heat, ferement

by period in a 4 Hours is requel they will bent, forecast and grow flux. The property of the Control of the Con

### Preparation of Sugar.

The Julie, in the next Plete, is purified in a fecond Copper 5 where a brisker Fire makes it boils and all the Time the cading up of its Soura is promoted by means of africing Lys, composed of Line-water and other logardisms. This does, the purified and Earn and In a third Boiler, where is a call a kind of Lys, that attilish in puriging it; coilcides output in longerities, and makes then in its orthe Gurface;

whence they are taken with a Skimmer.

From the Third, 'tis removed to a Fourth Boiler, where the Juice is further purified by a more violent Fire; and hence to a Fifth, where it takes the Confiftence of a

Syrop.

In a Sixth Boller, the Syrop receives its fall Cockion 5

Syrop.

In a Sixth Boller, the Syrop receives its fall Cockion 5

and here all the Impurities left from the former Lyes, are
taken away by a new Lye, and a Water of Lime and Allom

Cali rate it. In this laft Cauldon, where is fearer found one
Third of what was in the First; the reft being wasted in

Scun. Man parling, faccificity, a Number of Coppen, the Noger Jule: a parling, faccificity, a Number of Coppen, the Noger Jule: a parliced, thicked, wall enclored is to be converted into any of the Kinds of Noger bereative mentioned. The Sistor of the Great Coppen study diministher, from the first to the slat j such being familited with a Farnace, to give at Heat proportionable to the Degree of Cochion the Julec has received. In form large Agort-Works, thereare also particular Coppers, for the builting and reporting the Scans.

## The several Kinds of Sun An made in the Caribbee Islands,

F. Labor mentions Seven different kinds of Sugars prepared in the Caribbeet, viz.

Crude Sugan, or Mulconade | Royal Sugan Strain'd or Brown Sugan Strain's or Fromu Sucan in Barth's or White Sucan in Powder Refined Sucan, either in Sucan of cearle Syrap Sucan of the Sum. Powder or Loaves.

Crude Sudar, or Algoritade, is that first drawn from the sice of the Cane, and whereof all the rest are composed. The Method of making it, is that already described as

for Sugar in the General We need only add, That when taken out of the fixth Copper, 'tis put in a Cooler, where filtring it briskly together, tis let thand to fette, till a Cruft, of the Thickneis of a Crown-piece, be form'd thereon. The Cruft form'd, they fire it up a again, then put it into Veffels, where it flands to fettle;

till it be fit to Barrel,

call h for to Barrel. On the Arman harder, a Street is a Bremston in the rate Gapp. Though 'the Barrel on the rate Gapp. Though 'the Barrel on the rate Gapp. Though 'the Barrel of Barrel

in the Sun, and barrel it up,

Earth'd Swcan, is that which is whiten'd by means of

Earth laid on the Top of the Forms 'tis put in, to purge it-

The making of this Sugar, is begun after the fame manner as that of raw Sugar; except that they only use the best Canes in it;

that they work with more Care and Nicety; that when

that thry work with more Core and Nicery, that when the Liques in in the fifth Gooper, the Alben they part in, as piret or rotating mind with Linux the first of 
may be feum'd off.

The Forms being left to fland 15 Hours in this State, the Holes at the bottom are then unfloped, to give a Paffage to the Syron, and to determine it to take that Way. When enough of thefe Forms are fill'd, to fill a Stove, which ufually con-tains Five or Six hundred Forms; they wifit the Sogar in all trans are or this handered forms a time year the Softer in all the Forms, to camin the Quality between, and to fee if it quit the Form stiffs; that I croy child have the Blank and the Form stiffs; that I croy child the property of the motivation of the property of the motivation of the property of the motivation of the property of t

inch or use Engley where option are of voirious Kinds; the good Gualities of each whereof, are, that they don't tings the Water, that they let it filtests eafily through, and that they don't inhibit the fairly ferr of the Signer. Ever part it has flow, the Complete of the Signer Ever part the Edward and the Signer of the Signer of the Afficiants the Earth's it on the Bosers all the Windowski Afficiants the Earth's it on the Bosers all the Windowski Chi-

applied, in the Confidence of a Pulp.

Aftion as the Earth is on the Steper, all the Windows of
the Refining Room are thus, that the Air and Hest may not
dry the Earth. When 'it's quite dry, which usually happens
in nino or ten Days Time, 'it's taken off; and after cleaning
the Surface of the Steper with Bruthes, and raking in up an
Inch deep, and again laying it Level as before; they give it a

inch deep, and again laying it Level as before; they give it a fectord Earth.

The Whitenels of the Sigar of each Form, is forn from the field Earth, Experience thewing, that a Scoond or Third Earth don't make the Sigar any thing whiter, but only whitens the Head of the Loaf. When the fectord Earth is taken off, they clean the Surface of the Sugar with a Bruft, and with a Knife loofen the Edge of the Sugar, where it flicks to the Form, that neither the Form nor the Sugar-Loaf be damaged in taking out the latter. The Windows are now open'd, and the Forms left to fland Eight or Ten Days to dry. While the Sogar is draining in its Forms, a Stove is prepared

to receive them.

The Stove being fufficiently heated, by Means of the Furnace therein, Loaves are taken out of the Forms one after another; and fuch as are white from one End to cother than the function of the Forms one after another; and fuch as are white from one End to cother than the function of 
are carry'd to the Stove, as are, alfo, the rest, after cutting off what is not white, to be farther resin'd.

what is not write, to be tarther refin'd.
When the Loaves are all rang'd in the Store, a moderate
Fire is made for about two Days, during which Time, they
visit every Part of the Store very carefully, to fee that every
Thing is in good Order, and to repair any Thing that may

After these two Days, they shut the Trap-Door a-top of the Building, and increase the Fire. Eight or ten Days and Nights continu'd violent Fire usually suffice to dry a Stove of Sugar.

evigine common of uncerta rive usuary nature to dry a Sover When they signed infiliciated your hery open the Taper. Door, and claufe a hot dry Day to pound the dager, which pounded, 'the part op in Barrels, and well redder down a ris par in, that the Barrels may held the moor. It is part in, that the Barrels may held the moor. It is part in, that the Barrels may held the moor. It is part in, that the Barrels may held the moor. It is part in, that the Barrels may held the moor. It is part in the sound the sound of the the making of know. It is the the sound the sound the sound to the sound the farth the sound the sound the sound the sound the sound for that the sound the sound the sound the sound the sound for the sound the sound the sound the sound the sound the farth the sound the sound the sound the sound the sound the farth the sound the sou

powder'd Allom.

Sunan of Symp. There are three Kinds of Symps that
run from Sugar. The first from the Barrels of raw Sugar,
which is the coarteft of all 1. The feom, from the Porms or
Moulds after they are perfeasted, and e'er they receive their
Earth: The third, that coming from the Porms after they
have had their Earth y which last is the best.

The coarse Syrops should only be used for Ram; but agar being grown dear, Endeavours have been used to make sme hereof, and that with tolerable Success. They are furl fome beroot, and that with tolerable Succels. They are said clarifyd with Lime-Water, and, when boilfyd are put sp-in Bartels, with a Styger-Cane in the Middle, to make them purify themcleves. After twenty Days, a Quantity of coarle Earth is thrown in, to make "cm caft the Remainder of their Syrup, and lift cm to be returned into raw Sugar. The Distrib and German Refiners, first taught the Islanders how to run their Gyrop into crude Sugar.

to sum their Syrop isso caude Signer.

The fecoul Syrop is wrought footowhat differently + After
face Opport via so be build in it half full, eight or rea Quant
ful Copport via so be build in it half full, eight or rea Quant
ful Lune Water us earl in a "That housed with a being
full control of Lune Water us early in a sum of the foot
some, P. Lador takes the former Meritad to be the form
more, P. Lador takes the former Meritad to be the form
may be Earth'd alone, or, at least, with the Heads of
Lucrey, the dry'd live, and fided to the Kinds of Signers, and
with the raw Signer.

For the chiral drypny, after boiling and formaning it is the

with the raw Liggor.

For the third Syrey, after boiling and fearming, it is the formers, they put it initiately into Coolers, the Betorne where formers, they put it initiately into Coolers, the Betorne where they are the second of the second to the second to the second to the coolers of the second to the sec

The refi is prisoned on the fance manner as lather careful Lather and Hellins plents, per category, in continuous many and the careful Lather and Hellins plents, per category, mention of longer, and the careful Lather and Hellins plents, per category, framed degrees, and the Master of this degree. He was to be a support to the Master of this degree. The careful lather than the careful la

weak Chalk-Water; and fometimes, to make it the whiter, and prevent the Lime from reddening it, they use Allom-Water.

Water.

This they datify three Times, and pafs as often thro' a
clofe Cloth, using the very best Earth. When prepared with
these Presentations, 'tis whiter than Sone, and lo transparent,
that we see a Finger toaching it, even thro' the thickel Part of the Loaf

that we lee 3 mger booking it, even there the checkel that Seen as Comp. This is better made of earth'd Sogne, has refed d Signe, in regard the former is freezen, than refed d Signe, in regard the former is freezen, than the checked that the checked the seen as the checked the chec

they call a Drop of fome Effence in, when the Sogar is put-

sing into the Férms.

This Method of making Sugar-Candy is that of F. Labor, pullivid in the Caribbers: The Method in Europy, defented by Fount, is fornewhat different.

White Sugar-Candy they make of white refined Sugar, belief with Water time a thick Syrop, in a large Feel. The candidd in a Store, whither the carry'd, included in bath of the Candy with little Kode, about which the Cryptals with little Kode, about which the Cryptals.

The Fire of the Stove is kept equable for fifteen Day

after which, the Sugar is taken out of the Peels to be dry'd. Red or brown Sugar Candy is made like the white, except that they only use brown Sogars and earthen Pors.

Bariey Sucas, is a Sigar boil'd till it be brittle, and
then call on a Stone anointed with Oil of sweet Almonds,

and form'd into twifted Sticks, about the Length of the Hand, and the Thickness of a Finger.

and toffus under the fall thank and the Thickness of a Finger.

It thould be build up with a Decochion of Barley, whence it trakes its Name, but in Lieu thereof, they now generally use common Water, to make the Stager the finer. To give it the brighter Amber Colour, they formerimes call Suffronting into it. Tis found very good for the Cure of Colds and

Secans, of Refer, is white Sugar clarify'd, and boil'd into a Conflience, in Rose-Waters, when boil'd, they form it into Lucenges, fonetimes into little Hall, of the Size of Feas, by keeping it thring till it be cold and dry. Tis repared good to form and allay Actimonate, ge.

## SUGAR of Saurn See SATURN.

SUGGESTION, the Act of furnishing one with a Thought, or Defign, or of infinuating it artfully into his

In the Civil Law a Testament is faid to be made by Sug

in the Cort Law 1 lettament is state to what a made by obg-pfilms, when fris made by Surprise, and contrary to the In-tention of the Tellaton. See TRYAMENT.

If Suggestion be provide, the Tellament becomes mill. Articles and Legacies of Suggestion are not admittable against a Tetlament wrose with the Tellator's own Hand, which is

a Telement wore with the Telentor's own Hand, which is better faightful.

SUIT, or SUTE, Selfa, in Law, (from the French Stite, a Slowing one concher) is add in direct Scalls. Read and Professel. The Law of the Walter of the State of Concept State of 
4º. Suit Custom; when I and my Ancestors owe Suit time out of Mind. 50. Suit Real, or Regal ; when Men come to the Sheriff's

urn or Leet.

60. Sais fignifies the following one in Chafe, as Frage

Suis. Laftly, Sui Great Person. Suit fignifies a Petition made to the King, or any SULPHUR, in Natural History, a fat unchuous Mineral Sabstance, fusible and inflammable by Fire, and not diffolu-ble or miscible in Water. See Fossiz.

ble or miscible in Water. See Fossit. It is particularly call'd Foffs, or Mineral Sulphur, to di-flinguish ir from the Sulphur of Metals, or of the Philos-

phers. See METAL.

Sulphurs make a particular Class of Fossils, divided into

Solid and Floid. The Solid Sulphurs are, common Sulphur, or Sulphur properly to call'd, Arfenic and Ambar. See ARSENIC and

pedry fo cult'd, Allemen tool changes over consistence con-linear control of the control of the control of the con-linear permittens, Nofetha, and Olean Terro, See. See Breveners, Plasmarters, Permittens, Nofetha, See. See Breveners, properly fo cult'd, or Drimptone, is of three Kinds, the From the tracelled, as bringhous; is of three Kinds, the From the tracelled, as bring field at it is there early the Miles: It is a kind of greyth argillous Clay, which cally takes Fire, and, in barring, entile alton gla-phorous Smill. Its Colour occidions its being Guntiums of Tory, and the Colour occidions its being Guntiums of Tory, and the Colour occidions in the grey colours.

call'd Grey Sulphor.

Tis chiefly brought from Stelly; and is but little uted, except in four Galenical Compositions, and to fulphur Wine, to make it keep in Carriage.

The best is forf, finnoth, firable, and shining, of a Mouse-Colour, and not too full of Smell.

Calour, and not too full of Smell.

Mittered Supplem; call'd also Zullew Supplem; is a Kind of hard, earthy Bitumen, of a finising yellow Colour, a strong slinking Smell, easily taking Fire, and distorting.

"It's found in great Quantities in the Neighbourhood of Valcason orburning Mountains, at Velavius, Attns., etc., yet is

it likewise found in its particular Mines; and we have very good from several Parts of Holy and Switzerland, the the belt is that of Mutra and Nicerogue in America.

Tis from this Sulphur, that the Common Sulphus ased in

Gunpowder, and un divers other Occasions, is drawn, by Means of Fire and Whale Oil, which diffolying it, 'tis pour'd into Moulds; and thus form'd into those Cylinders we find it in.

we find it in.

This Common Saidshor, is either better or worfe, according
to the Refinery it comes from. That of Holland has a long
Time had the Vogue; the fecond Place has been given to
that of Vories, and the third to that of Marifellis; but the
Order feems to have been finee chang'd, and that from Mar-

Order feeling to have been more changed, and tout from man-feilles is now in the first Place.

It is chosen in large thick Cylinders, of a golden yellow Colour, very brittle, and when broke, appearing all brilliant,

as if Crystallized.

se it Cytallized.

Beidde the Uje of Salphur in the Compelition of Genpowder, whereof it is one of the three langerdersts, and that
which makes it take Fire for readily, (See Genevon na.) viis
of fone. Ufe in Medicine, and more in Caymiltry. Tis
life sided we whitening Silken and Woodles Stuffs to which
End, the Vapour thereof is contrived to be received by them,
See Biggarding.

he Vapora allo whitens red Rofes, and even young Rooks, taken our of the Neft, and expos'd thereto, become pericely white, It has the fame Effect on Gold; which is to be reflected to its Colour by boiling it in Water with Tartar. reflored to its Colour by bouling it in water with larta.

The Chymical Analysis of Sulphur is very difficult; its

Principles being so volatile, and withal so fast bound together, that they either file all together, or are diffipated and

loft in being feparated. M. Homberg, however, has at length found the Secret of feparating the Principles, and of faving them at the fame Time. He finds it contitts of an Acid Salt, an Earth, an oily, bituminous, and inflammable Matter, and ufually a little

Metal.

The three first he finds, by a long Series of Operations are in pretty equal Quantities; but the last, which he finds to be Copper, inconsiderable. The Acid, he adds, is exactly the same with that of Vitriol; the Oil thick and red actly the fame with that of Vitriol; the Oil thick and red as Blood, appears to be the unfammable Part, and that which conditures the Chymical Principle Sulph'ss, but that it retains fome heterogeneous Matter in the Operation. The Earth is extremely fix'd, and unalreable by the litrongeth Fire,

ceeded as before,

Agan, he found that fixed Salts, as they are Acids ab-forb'd in Earth, ferve for two Principles at once, and need nothing but an inflammable Oil to make Salphar: And even norhing but an initianimable Oil to make Sulphur: And even in Lieu of this Oil, M. Greffler imployd, with citual Suc-cels, Charceal, Pit-coal, and other Soilds. Indeed, Mr. Beyle and Gansher had before made common Sulphur, and that by Mixrares, foch as M. Greffley de-ferfrees, but they were both mittaken as on the Reaton there-

of the one concluding, that the Sulphur he thus got, had been contained in the fix'd Salts, and the other in the Coal; neither of them dreamed, that 'twas the Mixture of the three Principles that produced the Mixt.

three Principles that produced the Mixt.

However of Surprims, are the pureft and finest Part of
Sulprim, gain'd by evaporating Sulprim, by Sublimation, or
burning it in Pots made for that Purpote; and gathered in
the Capital of the Cacathit, where the Vapour Ricks. See

the Capital of the Coreatis, where the Vapout Hesta. See From X.

STATES AND SEED AN

Dust well fifted.

By adding fix'd Nitre, or Sal Polychreft, to the Flowers of Sulphur, we have the white Flowers of Sulphur.

of Suppeur, we have the white Flowers of Sulphur.
Magilbery, or Balm, or Milk of Surntux, is Sulphur
diffolied in a fufficient Quantity of Water, with Salt of
Tattar; and precipitated by Means of a Spurit of Vinegat,
or Some other Acid. See Magisters,

"The called Math of Sulphur from its Whitesefs and Habra of Sulphur, or of the Long, from its excellent Usin DM-Gardy, from the Long of th

by fome called, Golden Sulphur,

by some cance, viscos oneputs, Surprise of Metals, called alfo, Surprise Metalleway, or Sulphur of Metals, called alfo, Sulphur Figuri, is afed among the Chymiths and Alchymiths for a peculiar Matter, which enters the Composition of all Metals, See Maya L. Metals are suppos'd to consist of two effential Parts, or

Principles; Mercury as the Bafis, or Metallic Matter; and Sulphur as the Binder or Cement, which fixes the fluid Mercury into a coherent malleable Mass. See Mayal and MERCURY.

Some of the latest and best Chymists, particularly Mons. Homberg, will have this Sulphur to be no other than Fire. See Fire, Gold, Burning Glass. SULTAN, or SOLDAN, a Title, or Appellation given

SULTAN, or SOLDAN, a Title, or Appealson given It had it Rik used Authorised Son of Shelfeights, the first Engineers of the Dynairy of the Generalist, towards When that Prince going to Steglets on toucher Kelly of Covernor of that Province, who afficied the Sovernigary; not be the Covernor of the Province, who afficied the Sovernigary; not before kind, delivered the Keys of the Nervice, and owned has his Solders, that is, the Level or Community of the Covernigary and owned has his Solders, that is, the Level or Community of the Covernigation of the

thence to the Turks. In the Rassas Ceremonial, we find mention made of a Solder, or Marshal, who is to attend the Pope when he

es in State.

marches in State.

SULTANA, the Wife of a Sultan. The Favourite Sultana is called Hhofeki-Sultan, i. e. private Sultana.

The Sultana Queen is the Emperor's chief Wife. The cld Sultana Nother of the Emperor reigning, is called the Sultana Felida. Sultana Felida. Sultana Felida. Sultana Felida. Sultana 
SUM, in Mathematicks, fignifies the Quantity that arifes from the Addition of two or more Magnitudes, Numbers,

From the Analiton of two or more magnitudes, Numbers, or Quantities together. See Annyrion.

This is found must called the Appropriet 3 and, in Algebra, it is saisally denoted by the Letter L, which stands for Zuma, or Stums 1 and formerimes by the Letter S.

Sure of an Equation, is when the absolute Number being hands are after the called Ed. with

Surs of an Equation, is when the ablolute Number Being brought over to the other Side, with a contrary Sign, the whole becomes equal to O: This Des Cartes calls the Sam of the Equation peropord. See Equatrons, as also in the Feparation of Eliack Morocco, and other Leather, See

Monocco.

It confilts of the Leaves and young Branches of a Shrub, not unlike the little Service-Tree: The Leaves are longifts, pointed, and hairy: The Flowers grow in Cluffers, and are poented, and harry: The Flowers grow in Clufters, and are red, like our Roles. Its Fruit is a Kind-of Grape, of a very aftringent Quality; and its Seed almost oval, and in-cloded in Capillae of the like Figure. The Antients used them, intend of Salts, to feasion their Meats withal; whence the Lestins call the Tree Retar. Obje-

from its Use in the Dreffing of Leather: 'Tis also Rhus Corioria. 'Tis the Arabs call it Sumac. called Rhus Corioria.

SUMMARY, an Abridgment, containing the Sum and Substance of a Thing in a few Words.

The Summary placed at the Head of a Book, a Chapter,

a Law, or the like, is very uleful to the Reader, to facilitate the Understanding thereof.

A Recapitudation, is to contain a Summery of the whole preceding Diffeourie. See Recapitulation SUMMATORIUS Calculus, the Method of famming differential Quantities; that is, from any Differential given, to find the Quantity from whose Differenting the given

Differential refults.

This Method we more usually call, The inverse Method of Fluxions; and Foreigners, Integralis Calculis. See Calculus Integralis, and Fluxions.

SUMMER, one of the Scafoes of the Year, commen-cing, in these Northern Regions, on the Day the Sun enters Cancer ; and ending when he quits Virgo. See SHASON,

Or, more strictly, and univerfally, the Symmer begins on the Day when the Sun's Meridian Distance from the Zenith the Day when the Board on the Day when its Diffance is a Mean betwirt the greatest and smallest.

The End of Summer coincides with the Beginning of

Winter, See WINTER. Winter, Dec Winter, is a large Store, the fift that is laid over Columns and Pilafters, in Engineer to make a cross Vault; or 'tis the Store which being laid over a Piedroit or Column, is bollowed, to receive the first Hance of

a Plat-band. The Word is form'd from the French, Sommier, which guifics the fame Thing.

guifies the fame Thing.
SUMMER, in Carpentry, is a large Piece of Timber, which eing fappeated on two Stone Peers, or Polls, ferrer as a clinet to a Door, Window, 195.
There are also Summers wied in various Engines, 195.
erring to fulfain the Weight, 195.
SUMMERS, in Building. See Bress-Summers and

SUMMARKO, in someone, from the first of any Body; at of a Triangle, a flyrmind, a Podmore, (26. See Van ra., The Word is stomed from the Process, Source, while figurities the first Thing, SUMMONEY, or SUMMONTON, or Apparite, SUMMONEY, or SUMMONEY, at a certain Time at SUMMONEY, and seems the seems of the Charge enhabeted against them as SUMMONEY, in a suffer to the Charge enhabeted against them, as SUMMONEY, in Law, a circing or calling a Profit on as SUMMONEY, in Law, a circing or calling a Profit on a SUMMONEY, in Law, a circing or calling a Profit on a SUMMONEY, and Law, a circing or calling a Profit on a SUMMONEY, and Law, a circing or calling a Profit on a Summary of the Charge of the Cha

Evidence, &c. This is the fame with the Vocatio in Jus, or the Citatio of the Civilians: Hence our old Word Summer, or Sum-

Summons in Terra Pesita, is that made on the Land hich the Party, at whose Suit the Summons is feut out,

feeks to have. Summons ad Warrantinandum, is a Process, whereby a

Voucher is called. See Voucher.

Summons, in War. To filmment a Place, is to find a Dram, or Trumpet, to command the Governor to furrender or, in Defect thereof, to proteft to make an Affault, and to lay all in Fire and Blood

SUMMUM Bouton, in Ethicks, the chief Good of Hu-man Nature; or that, which, by its Enjoyment, renders truly

man Nature; or that, which, by its Enjoyment, renders truly and compleatify happy.

The Schools diltinguish this chief Good of Man, into that which is simply and adequately (6, and beyond which there can be no other; and into a lesser and subordinate one, which is in fome measure attainable in this imperfect

State.
This last they call Faliciess Viatorum; and the former Falicitas Comprehenforum, SUMPTER-Horfe, is an Horfe that carries Provisions and

SUMPLEARING, is an assess.
Necediaries for a Journey.
SUMPTUARY, Laws, see Laws made to reftrain Excelin Apparel, Furniture, Esting, &c.
Molt Ages and Nations have had their Sumptuary Laws;
Journal of the Continuity, French, &c.

and fome retain them mill, as the reserious, arenes, or "Tis observed, that no Laws are ever worse executed than

Sumptuary Laws.
The Sumptuary Laws of that ancient Legislator Zaleucus, are famous: By these it was ordained, That no Woman should go attended with more than one Maid in the Street, except flic were drunk : That flie flould not go out of the City in the Night, unleft file went to commit Formations of the City in the Night, unleft file went to commit Formation: That the flouid not wear any Gold or Embruider's Apparel, unleft file purposed to be a common Strumpet. That Men fhould not wear Rings or Tiffues, except when

And we finded nor wear kings or a lines, except when they were a Whoring, Ed. The Beglip have had their Share of Sumptuary Laws, the "all repealed by a Statute 1º Jac. I. or obloket. Under King Henry IV. Combides tells us, Fride was got fo much into the Foot, that it was proclaim'd, That no Mar

much ruto the Foot, that it was proclaim d, Y has no Mars found near Stors above the These bread at the Tex. Ad-their other Garments were so short, that it was enabled, 25 Ed. IV. That no Person under the Coodition of a Lord, should, from that Times, were any Mante or Gown, suith of field Langth, that, shanding upright, it should cover his by Afembers and Busticks.

Among the Romans, the Sumptuary and Cibary Laws were reasong use reasons; the Samprinary and Charry Laws were very numerous: By the Lew Orchis, the Number of Guetle at Fealts was limited, the without Limitation of the Charges thereof. By the Families Law, made Twenty-two Year afterwards, it was enabled. That more than ten Ar's should not be fixed at our ordinary. Each D. We had the head of the Charges that the Charges and the Charles of the Charges and the Charges and the Charges and the Charges and the Charges are the Charges of the not be from at any ordinary Feaft: For the foleran Feafts, as the Saturnalia, 55c. an hundred As's were allowed; Ten of which, Gellius informs us, was the Price of a Sheep, and an

hundred of an Ox nunared of an Ux.

By the Dillian Law, which was preferr'd eighteen Years
after, it was decreed, That the former Sunsymary Laws
floudd be of Force, not only in Rowe, but also in Role
And that for every Transgression, not only the Mailer of the
Death. SUN, Sol, in Aftronomy, the great Luminary which enlightens the World, and by his Prefence, conflictes Day. See Day.

The Sun is ufnally reckon'd among the Number of Planets ; but that he ought rather to be numbred among the fix's Start, will be flown in its Place. See STAR and PLANET.

According to the Copernican Hypothesis, which is now generally received, and which has even Demonstration on its Side, the Sun is the Centre of the planetary and cometary System; round which all the Planets and Cometa, and our Earth among the rett, revolve, in different Periods, according to their different Diffunces from the Sun. See this Huftrated and Demonstrated under the Article PLANE. See this Morson

But the Sam, though thus eas'd of that prodigious Motion, whereby the Ancients imagined him to revolve daily round our

Earth; yet is he not a periectly quiefcene Body.

From the Phanomena of his Macula or Spots, it evidently appears, that he has a Rotation round his Axis; like that of appears, that he has a Rotation round his Axis just that or the Earth whereby the natural Day is measured; only flower. Some of thefe Spots have made their first Appearance near the Edge or Margin of the Sun, and have been from forme time after on the opposite Edge; whence, after a Stay of about 14 Days, they have re-appeared in their first Place, and taken the fame Courfe over again; finishing their entire Circuit in 27 Days time; which is hence deduced to be the Period of the Smis Rotation round his Axis. This Motion of the Spots, is from East to West, whence we conclude that of the Sim, to which the other is owing, to be from West.

Wifting Tackle.
For the variess Appearances of the Solar Spots, their Coufe,
Eo. for Macrus, and Stores.
For the summed Mation of the Sun round the Earth; Tis
easily thrown by Alteonomen, That the annual Motion of the
Earth will occibe for then Appearance, viscopis in the demonflatated that there is no floth Thing.
A Speciator in the Sun, would fee the Earth move from A Spectator in the Som, would fee the Earth move from West to East, for the same Reason as we see the Som move Weft to East, for the farms Reaton as we tee the Man move from East to Mys. And all the Pharmonean refuting from this annual Morion, in whichforcer of the Bodies it be, will appear the farm from either. Let S, for Intlanc (Tab. Altronomy, Fig. 39.) represent the Som, ABCD the Barth's Orbit, which it passes through from Weft to East, in the

Space of a Year. Space of a Leit.

Now, a Speciator in S, viewing the Earth at A, will refer
it to the Point of the Sphere of the Stars, 'T: When arrived
in B, the Speciator will fee it, as in the Point S; when in C,
as in the Point . She till after its whole Chruit, it will be
again feen in 'T. Thus will the Earth appear to deferibe the
whole Ecliptic, and to pash, facetificity, from Sigo to

Suppose, now, the Spectator removed from the Sun to the Earth, which imagine in C; the Diffance of the fix'd Stats, we have shown, is so vait, that that of the Sun is but a Point to it. The Spectator, therefore, now fituate on the Earth, will fee the fame Face of the Heavens, the fame Stars, Sewill fee the table rate of the Heavens, the half states, etc. as before; the only Difference will be, that as before he imagined the Earth in the Heavens, and the Som in the Centre; he will now suppose the Sun in the Heavens, and the Earth in the Centre.

the Earth in the Course. The Earth in the Course. The Earth, therefore, being in C, the Spechator will fee the fixe in  $\Upsilon$ 1; and the Spechator being carried along with the Earth, and purishing of this amount Mocion, which is the Earth in Earth i and g: This will appear to have moved in the concave Surface of the Heavens, through the Six Signs, \(\approx\), \(\overline{\text{N}}\), \(\overl the fame Orbit or Circle in the Heavens, and in the fame Space of Time, as a Spectator in the Star would fee the Farth deferibe the fame.

Earth deferible the fare. Heads a first that apparent Motion of the Sun, whereby he is feen to advance, infinishity, roward the eathern Suns it homes, that if more than the suns of the Suns, that if we will be got more to the Best of the Sun, and the Sun will be got more to the Best of the Sun, and the Sun will rise and its before him. For the foured Phenomenes registrate from the Sun's appearent Motion, or the Benth's real Motion, at the Elevishy of Days and Night, of Sunjain, 15.5. See Eastern.

## Nature, Properties, Figure, &c. of the Sun:

1° As the Solar Spots are fornetimes found to flay Three Days longer behind the Sun, than they frend in paffing over the Hentifibere vifible to us; we evily deduce, that they don't adhere to the Surface of the Sun, but are at fome Diffance therefrom.

2° As the Spots frequently rife and vanish, even in the midth of the Star's Dilk; and undergo several Changes, both

realt, but all the Gueffs too, should be liable to the with regard to Bulk, and Figure, and Denfity; it follows:

Realty, Sol, in Altronomy, the great Luminary which again different with the spin different spin diffe

segin different.

2 Hence it Bould solow, that they are form'd out of the
2 Hence it Bould solow, that they are form'd out of the
Gloods. See Varous, Coron, 157.

4 Since, then, Bohaldson proceedings from the Sin, ride
4 Since, then, Bohaldson proceedings from the Sin, ride
is force Bohaldson proceedings from the Sin, ride
is force Bould society and the dealers a thoman, and reasing, like our Assurighter. See Avanous rate,
and, like our Assurighter. See Avanous rate
and the Since Bould society the Single Single Single
in the Soine Exclusions, full book again to the Soine, Where
the Soine Exclusions, full book again to the Soine, Where
Assurighters Single Si

Atmosphere, and the San himself. See RAIN, HAIL, ME-Atthorpacte, and the sum nament. See RAIN, FLAIN, PLAIN, PLAIN, PLAIN, PLAIN, PLAIN, PARTON, U.S. 6° Since the Revolution of the Spots very near the Sum; it follows, That the Spots do not revolve round the Sus; but follows,

that the \$100, together with his Atmosphere, wherein the Maculæ are, move round their common Axis, in an Interval reactive are; more rought rear common rays, in an interval of about 27 Days; and hence it is, that the Spots near the Limb, being viewed obliquely, appear narrow and oblong.

"Since the Sm, in every Sinuston, appears like a circular Disk; its Figure, as to Senie, mult be Spherical; and though we flash thereafter thew; That it is really Spheroidical.

though we fluid bereafter flee, 'That it is really Almbors make Beiden the Maltonie or dark joyan 'Everla' Almbors make Beiden the Maltonie or dark joyan 'Everla' Almbors make "Sow's Disk; and those generally larger, and very different men the Macalle, both in Figure,' Daration, Ed. Thefe Faculer, Kircher, Schimer, Ed. take the Exp.— Thefe Faculer, Kircher, Schimer, Ed. take the Exp.— The Faculer, Kircher, Schimer, Ed. take the Exp.— The Faculer, Kircher, Schimer, Ed. take purpleas the Face of the Mons at full of Vokation's, Eff. But Hoggers, using the bell Telesloper, could never find any lack Things,' though the has footnitives field certain Haces in the Macaller

though he has sometimes speci certain places in the Machine themiclees, more lucid than the reft. But these do not feem owing to any kindled Matter, which were fearce con-filtent with their Duration, and their frequent Change into Macules; but to the Refraction of the Shy's Rays through the thinner Exhalatious, when as the Groffer, in their Neighbourhood, intercept the fame. See Faculas.

go That the Subfrance of the Saur, is Fire, we thus prove:

The Sim shines, and his Rays, collected by concave Mirror one some times, and und Rays, concetted by concave Mirrors, or convex Lewis, burn, continue, and melt the most folial Bodies, or elfe convert them into Afhes, or Glafs. Wherefore, as the Prorec of the foliar Rays is diminished by their Divergency; in a duplicate Ratio of the Ditlances recipro-Divergency, in a duplicate Rant of the Dillance recipro-cally aleasy the victim, their Dece and Effect is the inner, and the state of the state of the state of the state at fact Dillance from the daw, where they were equally dende. The shortly sky, theretoire, in the Neighborstone form the most vectors of the state of the state of a form the most vectors of the state of the state of the form the most vectors of the state of the state of the form the most vectors of the state of the state of the form the most vectors of the state of the state of the form the state of the state of the state of the land of weetness the whole Body of the other field, as Indeed, whetches the whole Body of the other field, as Indeed, whetches the whole Body of the other field, as the state of the state of the state of the state of the as there are no other Marks, whereby to dillingsiff. First form other Body, but Light, Hear, Newer of Borrungs for what Body and the state of the state of the first the state of the state of the state of the state of Botte the Models was found to set the folds Endaled of Bine the Models was found to set the folds Endaled

9° Since the Maculæ are form'd out of the folar Exhala-

tions, it appears, that the Sun is not pure Fire, but that there are Heterogeneous Particles mix'd along with it. 10° The Figure of the Sun is a Spheroid, higher under the Equator than about the Poles. This we prove thus: The San has a Morion about his own Axis, and therefore the folar Matter will have an Endeavour to recode from the the Glar Matter will have an Endeavour to recede from the Centres of the Circles wherein it mores; and that, with the greater Parce, as the Periphenes of the Circles at generate, the Poles, continually decreate; it therefore the Glar Matter, though at first in a spherical From, will endeavour to recede from the Carter of the Equator, further than from the Centres of the Parallelt. Centres of the Parallelt. The Stack, it floropoid to be uniform throughout the whole its Stack, it floropoid to be uniform throughout the whole

Confequently, fince the Gravity whereby it is reason a int Space, is fupposed to be uniform throughout the whole Sms; it will really recede from the Centre, more under the Equator than under any of the Parallels. And hence the Sms | Diameter, drawn through the Equator, will be greater some a manneter, crawn through the Equator, will be greater than that pating through the Pole, i.e. the Som's Figure is not perfectly Spherical, but Spheroidical. See Spheroidical I for the Parallax of the Sun's Tellanacian.

For the Sun's Tribane: As the Determination thereof

Let the Sun's Diffusor: As the Letermandon thereof depends on that of the Farallax; and as the Sue's Barallax is not found without a long, operofe Calculus; So, Aftrono-nomers don't agree much about either of them. The mean Diffusor of the Sus from the Earth, fome make 7490 Diameters of the Earth, others 10000, others 12000;

others (2000) bet allowing M. die Hier's Frainlix of &; the Shriv Intendity of the Harris and distoning that of Coffice only a 450 th to the Shriv Intendity of the Shriv Intendity Intendity Intendity of the Shriv Intendity 
SUNDAY, the First Day of the Week a thus call'd by our Idolatrous Ancestors, because for apart for the Worship

the Sun. of the Sum.

"I'is now also call'd the Lard's Day, becase kept a Feast
in Menory of our Lord's Resurrection on this Day; and
Sabbath Day, becase is shiftmeet, nuder the new Law, in the
Place of the Sabbath; in the old Law. See Sanaariv.
In the Breviary, and other Offices, we meet with Sanaday
of the first and fecond Class; Those of the first Class, are

Polm, Baller, Advent and Whit-Sunday, those of Qualimo-do and Quadrigofimo; each whereof, see under its proper Article.

Those of the second Class, are the common Sundays. sciently, each Studey in the Year had its particular Name, which was taken from the Introit of the Day; which Cuffern has only been continued to fome few in Lent; as Reminifcere, Oculi, Letare, Judica

It was Confamine the Great, that first made a Law for the Observation of Sunday; and that, according to Eugebins, appointed it should be regularly celebrated throughout the

the Observation of Dunley, and ther, according to Dullelius, the Regulary indexend changelous cities. Before him, and even is this Time, they observed both Elemen Empire.

Before him, and even is this Time, they observed both failure that the Before him, and even is the Time, they observed both the Control of than Christianity.

SUNDAY Letter. See DOMINICAL Letter. SUN-Hewer. See Tournsole.

SUN-FECTOR. SEE 10URNSOLE.
SUDVETAURILIA, or SOLITAURILIA, a Sacrifice
among the asscient Rossess; wherein they offer'd Three
Victims, of Three different Kinds, viz. a Bull, a Ram and

Livy describing it, calls it Successarilis, as composed of Sas, Ovis and Taurus, the Names of the Three Victims facri-ficed. Dion. Halicarnasseus describing the same, calls it Solitaurilla, in regard 'twas required, that the Victims were intire, and without any Defect; Solita, or folias, in the Language of the Ofis, fignifying Integer.

SUPERBIPARTIENS
SUPERPARTICULARIS
SUPERPARTIENS
SUPERQUADRIPARTIENS
SUPERTRIPARTIENS See RATIO.

SUPERCARGO, a Person imploy'd by the Owners of Ships, to go a Voyage, to overfee the Cargo or Lading, and to dispose of it to their best Advantage, for which Service he is allowed good Provision, because the Trust reposed in him, is very considerable. SUPERCILIUM, in Anatomy, the Eye-brow. See

Supercition, in the ancient Architecture, the upper-soft Member of the Cornice, call'd by the Moderns, Corons, Crown, or Larmier.

Mr. Evelyn conceives, it should rather have been called Stillstelaum, Thip, to denote in Office of Sheltering the Order from Rain, 15c. See CORONA and LARMITER, SUFFREILIUM, is also used for a square Member under the upper I one in some Pedeitals. Some Authors consound it with the Tota (15cl.).

SUPER EROGATION, in Theology, what a Man does beyond his Duty, or beyond what he is commanded to do. The Romanisi stands up strenuously for Works of Super-

gregation; and maintain, that Evangelical Councils are fuch. By means hereof, a Stock of Merit is laid up; which the Church has the Difpofal of, and which fine diffributes in Indulgences to fuch as need. See INDUCENCE. The Reformed Church don't allow of any Work of Steper.

erogation; but held, with the Apoffle, That when w ergates; but held, with the Apollie, That recken we have one our belt, over helv supprishels betwarts. See Mann. SUPERFETATION, in Medicine, an Afre-Conception, or a froud Generation, hyperiang when the Mother, sheety pregnant, conceives, of a later Cottien; to that the bests at once Two Feature of unequal Age and Bulk, and is delivered of them at different Times. See Binz'en, Conception, Farus, Co

We meet with Inflances of Superfetations of Women, in Hippocrates, Arifolde, Pling, du Laurens, &c. But they are much more frequent in Hares and Sows. An Instance of an extraordinary Kind of Superfetation, we have in Barthelin; who tells us, That a Danife Girl was

born big with Child.

born big with Child.

Monoslar, a German Physician, adds, That in 1672, the
Monoslar, a German Physician, adds, That in 1672, the
Monoslar Physician, in Teuringia, was delivered of a Girl
Big With another; whereof the was delivered in Eight Disp
Time; and which was Baprised, and died a Day atter her

Mother. The Naturalists hold, That Female Rats are frequently born with young Rats in their Womb, in the King of Deswark's Cakinet, is fen an Egg, in the middle whereof is another Egg perfelly formul. See Eco. We mere with fomething like a Superfession in Flanss too; there being a kind of Lemon found to grow inclosed in the In the History of the Royal Academy of Sciences, for the

The ratios of the Anna Andermy of Sciences, for the Year 1909, mention is made of a Letter from a very confiderable Magiltrate, to the Academy, containing a very remarkable fulfiance of a Superfession 4, a Batcher's Wife of Asia being delivered in that Year of Nine Children, each about Two Days after other, all well formed and airc.

The Word is form'd from the Latin, Sufer, over, and fetter, Embryo. SUPERFICIAL Content. Sec Superficies, Area and

SUPERFICIES, or SURFACE, in Geometry, a Magni-superficient as having Two Dimensions; or extended in tade, confidered as having Two Dimensions; or extended in Length and Breadth; but without Thickness or Depth. See DIMENSION.

In Bodies, the Superficies is all that prefents itself to the Eye. See Bonv.

A Superficies is chiefly confider'd, as the external Part of
A Superficies is chiefly confider'd, as the external Part of
a Solid; when we fipcak of a Surface fimply, and without any
regard to Body, we usually call it Figure. See Figure 2.

2. See Figure Superary cases is that comprehended be-

tween Right Line A Curvilinear Supervictes, that comprehended between

Curve Lines. See Cunve. Carve Lines. See CUNVE.
A Plans SUPERFICISE, is that which has no Inequality,
but lies evenly between its boundary Lines. See PLANE.
A CONDUCTOR SUPERFICIES, is the exterior Part of a fisherical
Body. See CONVEX.

Body. See Convex. A Concave Surface, is the internal Part of an orbicular Body.

The Measure or Quantity of a Surface, is call'd the Area

The Measure or Quanty.

The finding of this Martine or Area, is call'd the QuadraThe finding of this Martine or Area, is call'd the Quadratree thereof. See Quadrantum.

To Measure the Striptus of the several Kina's of Bodiet, at
Your Speens, Cours, Paradlalephid, Pyramids, Prifunt, Const,
Speens, Calva, Paradlalephid, Pyramids, Prifunt, Const,
See Strumm, Cours, Paradlalephid, Ge.

See Strumm, Cours, Paradlalephid, Ge.

Line of Superficies, a Line shally found on the Sector, and General Scale. See Scales.

The Description and Use hereof, see under the Articles

SECTOR and GUNTER'S Scale.
SUPERFINE, in the Manufactures, a Term ufed to exrefs the fuperlative Finencis of a Stuff.

Thus a Cloth, a Camlet, Efe. are faid to be Superfee, when made of the finest Wool, Silk, Efe. or when they are

the finest that can be made. the fineft that can be made.

The Term is particularly ufod among Gold Wist-drawer.

For the Gold or Silver-wist, which after being drawn through

an infinite Number of Holes, each left and left, is, at length,

brought not to be bigger than a Hair. See Gold-Wist.

SUPERINCESSUS radens Son Stilling.

SUPERINCESSUS radens Son Scilling.

SUPERINCESSUS PROCESSUS SUPERINGEN

SUPER. Inflitution; is one inflitution upon another; as doing of that which ought not to be done, but which, in Ap if A be admitted and inflituted to a Renefice upon one Title, pearance of Law, ought to be done, were it not for that Caule and B admitted, inflituted, Get, by the Preferancian or whereon the Witt is granted. Thuse, Affair, repealer, and

another.

SUPERINTENDANT, in the French Cultons, an Olicica who has the prime Management and Direction of The Term and The Term and The Term at 10 feet and 10 feet for the first form and the Cycer's Family, who has the chief Administration of the Hoshfold. They have all of a Superintendant of the Buildings, and a Survine of the Works among us, and the Administration of the Country of the Country of Count

of Commerce. SUPERINTENDANT, is also au Ecclefiatical Superior in feveral Reform'd Churches where Episcopacy is not admitted; particularly among the Latherans in Germany, and the Calcinifis in some other Places.

The Superintendant is, in Effect, little else but a Bishop soolly his Power is semewhat more restrain'd than that of our Bishops.

He is the chief Pafter, and has the Direction of all the inferior Pafters within his Diritrict or Diocese. In Germany they had formerly Superintendants General,

In Germany they had tormerly Superintendants General, who were fuperior to the ordinary Superintendants. These, in reality, were Archbilliops; but the Dignity is sunk into Dissule; and, at per sent, near but the Superintendant of Wirtenberg assumes the Quality of Superintendant General.

SUPERIOR, something raised above another, or that has

a Right to command another. Thus an Abbot is call'd the Superior of an Abbey; and a

Thus an Abbet is call'd the Superior of an Abbety is and a From the Superior of a Convent. See Sance, I.G., The Convention of the Convention of the Convention of the Thies But a Superior may be represented Superior who con-flicted him shall, yet without the Superiority's being me-dience that such yet without the Superiority's being me-dience the Superiority of the Purpey is not in Englishing, as suffered to the Superiority of the Purpey is not in Englishing, as SUPER/URANE; Amirculty, when a Criminal confer-tored, give no convention to the Superiority of the Con-trol of the Convention of the Control of the Control of one or more Witnesdia, and yet the Crime to necession, that the Control of the Control of the Control of the Con-trol of the Control of the Control of the Control of the thin as call Control or Control of the Control of the Control of the thin as call Control or Control of the Control of t

that he was convected by the Carns of many house winesces; his was call d Superjorane. SUPERLATIVE, in Grammar, an inflexion of Nous Adjectives, ferring to augment and heighten their Significa-tion, and to flew the Quality of the Thing to be in the

tion, and to linew the Quantry of the Lining to be in one highest Degree. See Dacaga. In Egyphy, the Superhairor is a facility form'd by the Addition of #\text{if}\_1 as Richeth, Helech, 25c. Rarely by the Addition of #\text{if}\_2 as Generalifitino; more frequently by the perfaining of megi, as Most Hosourable, Most Amable, 25c.

The Premed are generally fore'd to form their Superhairors, by prefaining of the \$\text{in}\_2\$ for most norm of mer, and forestimes of the \$\text{in}\_3\$ for mercanises 
fort.

The Holious and Spaniards have great Advantages over them in this Reliped; a their Language abounding with magnificent Words to exaggerate Things withal; yet the Hebras are more prior than the French in this Reliped; as having the Contractions of the North International Contraction of the North International Con

are more poor than the French in this Refpect, as having neither Campbarieves for Superlaviest.

They use to experts their Degrees by the Particles jour and mean', fometimes by the Preputition min, and form-times by re-doubling the Words; which is what we frequent-ly find in the Vulgare.

SUPERNUMERARY, fomething over and above a

fix'd Number. In Several of the Offices are Supernimerary Clerks, &c.

to be ready on extraordinary Occasions, &c.
There are also Supernamerary Surveyors of the Excise, to be ready to supply Vacancies when they fall, They have but half Pay.

but half Pay.

In Mufic, the Supernumerory, call'd by the Greeks Professionsoness, is the lowest of the Chords of their System 3 answering to a, mi, Ia, of the lowest Octave of the Moderns. See Programmanomenos and Diagram.

SUPER-pargation, in Medicine, an excellive, over-violent Parging. See Purgarion. Furging. See Purcarrion.
A Man who had taken Powder of Diacarthamus inwardly, was fent by it to Stool an hundred times; and was cured of the Super-purgation by a Pound of Capon-Broth, an Ounce of Sacchaum Rofatum, five Grains of Laudanum, and the

of Sacchamin Rotatom, tree Grains of Landonseid, and Yolk of an Eggs.

In lieu of Landonam, they forestimes use a Drachm and a half of new Treacle. Surraet.

SUPERSCAPULARIS inferior; call'd also Infrosfinia-

rus ; a Muscle that helps to draw the Arm backwards, It covers all the Space that is between the Spine, and the covers all the Space that is between the Spine, and the Teres minor; and is inferted into the Neck of the Hu-

SUPERSCAPULARIS superior, in Anatomy, a Muscle call'd also Superspinatus. See Superafrantus, Superspinatus Superafra di divers Cases, importing, in general, a Command to flay or forbear the

dong or nat worch ougat not to be done, but which, in Appearance of Low, ought to be done, were into for that Caules whereon the Wirt is granted. Thus, a Man, regularly, is to have Surrey of Paces, against him of whom he well fower her a start is and the Julice required hereunts can't deny at the start is and the Julice required hereunts can't deny at ceither in Canor Farry be formerly bound to the Peace, either in Canor Farry be formerly bound to the Peace, either in Canor Farry be formerly bound to the Peace, either in Canor Farry beginned to the Peace, and the Peace of the Peace, and the Peace of the Peace, and the Peace of the Peace of the Peace, and the Peace of the Peace, and the Peace of the Peace, and the Peace of the Peace of the Peace, and the Peace of the Peace of the Peace, and the Peace of the Peace, and the Peace of the Peace of the Peace, and the Peace of the Peace

deny, SUPERSTITION, an extravagant Devotion, or a Re-ligion ill directed, and ill conducted. See REFIGION.
"Twas a Fixed of Subgrigation in the ancient Remaint, to observe the Flight of Birds, the Entraits of Victims, 25%.
"The Devote Maries and the Superscript of the Subcritions.

objerve the Flight of Birds, the Entralle of Viction, 85: The Roungle Firlis make a fine Penny of the Supervision of the Penple; Monf. Thiers has an experie Treastle of portuinest Popularies. Women, be objerve, are actually more inclind to Superplition than Impirely. Photocock and acceptance of them, the Superplition is work than Atherian. The Panillament adorted by reveral Connects for the Superpli-ting the Manney Berlin of the Superplition as work than Atherian. out, was to fast a Month in Prifon.
SUPERVISOR, fignifies a Surveyor, or Out

It was formerly, and is still amongst some, a Custom, ef-

It was tormerty, and is titil amongit fome, a Cultom, et-pecially of the better Sort, to make a Spreyerpfor of a Will, but it is to little Parpolé 4 as being now to carelelly ex-cented. However, the first Intendment might be good, that he should supervise the Executors, and see he Will truly perform'd.
SUPINATION, in Anatomy, the Action of a Supinator

Mustle 3 or the Motion whereby it turns the Hand, so, as that the Palmis litted upwards towards Heaven. See Supinator. SUPINATORES, in Anatomy, two Muscles of the Arm;

SUPINAT ORKS, in Anatomy, was maticles of the army to one called Supinator longist, the other Supinator longist, and the supinator longist, the other Supinator longist. The first arries by a fieldly Beginning, three or four Finers Bertal Horosche Charles and Carterian Part it is inferred by a pretty broad Tendon. The fall comes from the external land tip supple Part of the Ulless and building sound the Dadison.

Ulna, and passing round the Radius, is inserted into its upper and fore Pare, below the Tendon of the Biceps. These apper and fore Fart, below the Tencon of the Biceps. I new tern the Palm of the Hand upwards, SUPINE, in the Latin Grammar, a Part of the Con-jugation of a Verb, of like Effect with the Infinitive Mood, See Varn, Moon, Septems, the one in nam, whole Commission is ablive and markes Mexico as days nathrate.

Signification is active, and marks a Motion, as date nuprime ; Signification is active, and marks a Motron, as hor imprine a the other in a having a pattive Signification, as horrordom Auditu, Ed. The Supinet have neither Number nor Perfon. Perfonding the part their Name, Isya Trobits, and after him Fossius, qued as ingular Supinorum Ed etiderum howantum on ma habitut confust. Or, according to Prifesian, greet unscans.

Foliati, quas da infar Sopiacom el cristram homesta acme habet configir. On, excending to Friendin, que majenta
un a participit i pilette que inpina applitus (un intra participit i pilett que inpina applitus (un intra participit i pilette que inpina applitus (un insure participit i que inpina applitus (un inpina applitus insure participit i que inpina applitus (un inpina applitus insure participit i que inpina applitus (un inpina applitus inpin

SUPPLEMENT, in Matters of Literature, an Appendage to a Book, to impply what is wanting therein. See Pa-

Frenßemins has wrote divers Supplements, to reflore the Books of feveral ancient Authors, Part whereof had been The French also use the Word Supplement for a Kind of

The remed also are the word dispressions for a king or Tax, or After-paymens charged on Lands, Officer, 8cf., that are pretended to have been fold beneath their Value.

SUPPLICAVIT, a Writ fifting out of Chancery, for taking the Surery of Peace against a Man. It is directed to the Tailor and Society of the Comments.

the Julices of the Peace, and Speriff of the County; and is grounded on the Statute 1 Ed. 3, which appoints, that certain Perfora shall be assigned by the Lord Chancellor to take Care of the Peace.

take Care of the Feace.

SUPPORTED, in Heraldry, a Term apply'd to the uppermost Quarters of a Shield, when divided muo feveral Quarters thefe feeming, as it were, flapfored or fetfaind by those below. See Quarters, the horizontal property of the Company of the

by those below. See QUARTER D.
The Chief is also faul to be furforred when it is of two
Colours, and the upper Colour takes up two Thirds of it.
In this Cafe it is furforpered by the Colour undernathies.
SUPPORTERS, in Heraldry, Figures in an Archivement, placed by the Side of the Shedl, and Keening to
first on the Colour undernathies.

Support of the Colour independent of the Co

[opport, or hold up the fame, See ATCHINVERGERT, SINIELD, SE.

The Supporters of the English Atms are a Lion and an Unicon; form of the former Kings had a Leonard and an Unicon; others Griffons; others Ragles. See Anna.

The Supporters of the Erwest Anna are Angels, which are faid to have been first introduced by Thillip VI; bits De-

[ O q ]

vice being an Angel over-throwing a Dragon: The Dragon being at that Time the Device of the King of England. Those of the Prince of Manage, are Augustin Monks: Those of the Family of the Urfail, Bears, in Alludon to their In Eugland, none below the Degree of a Banneret are al-

low'd Supporte

Some make a Difference between Tengus and Sub) Some make a Director of State of Assistant, the called To-sear; when by two, they are called Supporter. See I assan; SUPPOSITION, in Mailer, the using of two Sacceffice Notes, of the Same Value, as to Time, the one whereof being a Discotof, Japposis the other a Comord. See Hax-

MONY. The Harmony, Mr. Maleabu observes, is always to be full on the accented stars of the line, or late store, he we then the content accented stars of the line, or late store, he we have been content to the line. This transfers the O. Discords, followed by Coxcords, makes what we from the French cell superfiers. See Coxcords and Literature. See Coxcord and Literature. The start proceed gradually from Coxcord to Discord is, where the Farty specced gradually from Coxcord to Discord is, and Discord for incord, the intervenous Discord for incords, the intervenous Discord for incords.

me have proceed gradually from Toxocord to Difford a paid Difford for Coxocord, she metrevening Differed forting control as Transition to the following Coxocord.

Annotace Kind is, when the Farts do not proceed gradually annotace Kind is, when the Farts do not proceed gradually Difference of a Third.

Difference of a Third.

A third Kind, like the feeced, it, when the rifing to the Difford is gradual, but the deficionling from it to the following.

A fourth Kind, very different broad at head of the second of the process of th

A fourth Kind, very different from all the reit, is, when the Distort falls on the accuract Parts of the Madium, and the Riding to it is by the Dillates of a fourth. In which Calc 'its hidsurdy necessity to follow it immediately, by a form of the property of the out Offices, and only form a Transition into the Concord. Serventry, or it antimetels. See Fourtroom, then the Property of the theory of the Property of the Prop the Difford falls on the accented Parts of the Meafure,

where the Difease does not allow thereof.

where the Difetile does not allow thereof.

The Jains tall it Belants, because accinetly made in Figure of an Acorn.

To the Composite, forestimes solded Powder of Scim-To the Composite, Colorwith's Eco.

On four Occasion 'tis made fittingly of a Care of Boot.

On four Occasion' tis made fittingly of a Care of Boot.

To go the Amos, to irriste the Sphinkler Mufcle, and oblige it to estudy the Amos, to irriste the Sphinkler Mufcle, and oblige it to estudy the Parkersons.

extrude the Excrements, SUPPLESSION, in the Carltons, the Excladion of Annihilation of an Office, Right, Rent, &c. From the Latin flux and Fromes, I frest mader.

SUPPLESSION, in Grammar, an Omission of certain Words in a Sentence, which yet are necessary to a full and perfect Confirmation; As, I come from my Father's; that is, from my Father's House. Suppression is a Figure of Speech very frequent in our Lan-guage, chiefly used für Brevity and Eleganoc. Some Rules

relating hereto, are as follow : 1º. Whenever a Word comes to be repeated in a Se

relating, merets, see als names no be repeated in a Sentence offerst the moce, "in the [ph/ph/fel T-law et by T. histories in you have been proposed in the proposed based in your beautiful proposed by the proposed based on the proposed based

See Pus

The Change is begun by a Diffipation of the most fabric and spirituous Parts of the Blood: What is left behind. and spirituous Parts of the Blood; What is just standard thickers and parties by little and little; that is, its Suls and Sulphurs differange themselves from the groffer Parts wherein they were embarrafed. These Parts thus differanced, and thus were embarrafed braifs and break each other, and thus shey were embarrabled. There Parts than difengaged, and adding on one another, bruile and brusk each other, and thus excite a Fermentation, which interalls the Heat of the Party whereby the Marter is further digisled, and a Pain and Ten-finn produced. At length the Blood loffs in Colour, and bo-comes quite white, by the Mixture of its Acid, Riphurous Adasties, when mix'd with Acids. See Discassing, See Property Akaista, when mix'd with Acids. See Discassing, See Discassing

The Word is form'd from the Latin, flib, under, and pass, SUPPURATIVE, a Medicine that promotes Suppuration. See SUFFURATION

Suppurations are all hot; by which Means, increasing the of the Part, they refolve the Humout into a Pts. See

Such are Mallows, Lilly-Reois, Drachylon, &c., SUPFUTATION. See Cost putation.
SUPRALAPSARY, in Theology, a Perfon who holds that God, without any Regard to the good or evil Works of Men, has refolved, by an extend Detree, to fate fone, damn others.

daim others. Such are also call'd Antelepfories; and are opposed to Such are also called Antelepfores; See Sublines and Infralepfores; See Sublines Albert According to the Surface of force tion is Homo creability of labelity, and according to the Sub-

lapfaries, Homo creatus & lapfus

lappares, Humo creatus 19 septus.

The Supraisplaries form, in one fingle abfolute Decree, to confound two feveral ones which ought to be diffinguished;
The one, the Conditional Decree preceding the Fore-fight of the Man's Obdedience, or Difforderince to the Grace of God, The other, the Abfolute Decree following this Fore-fight. Sec DECREE.

See Die fall.

See Die fall.

The Frederick Program and Hole Andrew Drecer price to The Frederick Original Sin, in common with the Spire. Indiginaries, but diffinguish themselves from them, as 18, from the Light-legisteris and 50-geliefly is in that their Abfoliate Decree includes the officing of fulficient Menza of Salvanion to the Reproduct 50 shifts as to the Boins of Fower, nothing intulers but they might be first. See Grance. The Common Comm

SUPRASPINATURS, in Anatomy, a Matche thus cattle from its fiethy Origination, at the upper East of the Being of the Scapula, above the Spine, to the upper Part whetroof it is connected, as allo to the Ruperior Rib of the Scapula, whence marching along the upper Interferquium, or this Part of the Scapula, which it fills, it patfics under the Aeronium and Articulation of the Humerus. It helps to lift the Arm

SUPREMACY, in the English Customs, the Superiority of the King over the Church of England, whereof he is esta-blish'd Head. See King.

The King's Supremacy was first establish'd by King Henry The King's correctney was next citabilist dry sang reserge VIII. in 1534, after breaking with the Pope. It is fince confirmed by feveral Canons, as well as by the Articles of the Caunch of England's and is past'd here are Outh, which is requir'd as a necessary Qualification for all Offices and Em-ployments both in Church and State; from Perfors to be ordain'd, from the Members of both Houses of Parliament, &c. See OATH

shirtle, from the Members of both floodies of Parliament, 26, 587. This Highter of Spreamer chiefry on Guillian in the fallowing Articles, 1, That the Arabibhops of either Province causes flowmen the Blinkop and George to Geoscotics, not read, and the state of the Arabibhops of their Province causes flowers than 10 to 10 t

SURBATING, among Farriers, is when the Sole of a SURBATING, among Farriers, is when the Sole of a gainst the Ground in travelling without Shoes, or going in hot, fandy Lands, or with a Shoe that hurts the Sole, lies

Sometimes, it happens by over-riding a Horfe, while your

Sometimes, it happens by over-ricing a Horfe, while young, or his feet are hardred 4, and fermione by the Hardred The Struck Hardred The Hardred

SURCHARGE of the Forest, is when a Commoner put more Ecatis in the Forcit than he has a Right to See For Est.
SURCINGLE, a Girdle, wherewith the Clergy of the SURGINGLE, a virilic, wherewish the Clergy of the Church of Englemal failally twin-Cidifock, SURCOAT, a Cost of Arms, to be wore over other Armour. Sec CoAr of Arms.

SURD, in Arithmetick, so irrational Number, or Quantity; or a Number, Ge that is incommensurate to Unity, Soc Irrational Number.

See Fratiental Number.
When any Number or Quantity hath its Root proposed to be extracted, and yet is not a true figurate Number of that Kind 4 that is, if its fupare Root being demanded, it is not a true Square I if its Cabe Root being required, irieff be not a true Cabe, or, then it is impossible to affine, either in whole Numbers or Fractions, any exact Root of inch Numbers or Fractions, any exact Root of inch Numbers.

ber propos'd. And whenever this happens, it is usual in Mathematicks, to mark the requird Root of such Numbers or Quantites, by prefixing before it the proper Mark of Radicality, which is \( \frac{1}{2} \): Thus \( \frac{1}{2} \): signifies the Square Root of 2, and

"1.5, or y 1(1), f5, fignifies the Cable Bee of 15.
White Bloops, because they are immediate on be experted in Numbers exactly, (for no effable Number, either largest or Faction, multiply di noi trieft, en or ever produce 2; or besing multiply'd Cabically, can ever produce 16) are very percyt called Sayri Roois.
There is also suother Way or Nostano now much in Ufs, whereby Rooss are expected eithour the Radical Sign, by whereby Rooss are expected eithour the Radical Sign, by

their Indexes: Thus, as x2, x3, x4, coc. figuify the Square

Cube, and 5th Power of x; fo x, x, x, fignify the Square Root, Cube, & of x,

The Reason of which is plantenough; for Since v: x is a Geometrical mean Proportional between 1 and x, fo a is an Arithmetical mean Proportional between o and 1; and

as an arithmetical mean proportional between q and 1; and therefore as 2 is the ladke of the Square of ss, ½ will be the proper Index of its Square Root, ½ft. Observe also, that for Convenience, or Brevity's Sake, Quantities or Numbers, which are not Shrids, are often exprefi'd in the Form of Surd Roots, Thus, V:4 V: 9

Divinion, USC) which now results to person, congit not to be ignorant.

Surfat are either Strupfe, which are expressed by one fingle
Terms or Compound, which are formed by the Addition or
Substraction of simple Surfat: As \( \vert \cdot \cd

Subtraction of simple startic:  $A_1 \vee x_2 + \psi \cdot x_2 \vee x_3 - \psi \cdot x_4 \vee x$ 

So also, if 3 were to be brought to the Form of  $\sqrt[4]{}$ : 12, you must raise 3 up to its fourth Power, and then prefixing the Note of Radicality to it, it will be v . 81, or 81

which is in the fame Form with \$\fomega : 12. And this Waymay a fimple Sard Fraction, whose Radical Sign refers only to one of its Terms, be changed into another, which shall respect both Numerator and Denomination. nator. Thus  $\frac{\sqrt{12}}{25}$  is reduc'd to  $\sqrt{1\frac{2}{25}}$  and  $\frac{5}{3}$ , to

 $\sqrt[5]{:\frac{125}{4}}$ ; where the Radical Sign affects both Numerarator and Denominator,

rator and Denominator.

Zi preinte finish Sturch, having lifteras Ratical Signs, (which are call'd Heurengeneal Sursi) to others that may deathed he leaves the surse of the Surses by the surse surses of the Wester by their greated common Divisor, and fet the Quotients under the Exvidents, is the multiply dade linearce revieways by each other's Quotients, with its proper lanks. Then involve the Powers of the given Roses afferency according to the lanks of each which Quotients and before those Products, prefix the common Radical Sign before found.

To Reduce V: a a and V: bb 2) 1 : 4 4 2) 2 : 6 8 4:00 V:aaaa

To retinee Surds to the lensest Terras possible: Divide the Sare Is the greated Square, Cabe, Binganane, Cife, or any occle rapiger Power, which you can divider up to contain the same which you can divider up to contain the same that the same thad the same that the same that the same that the same that the sa depress'd to 2 v : 3. Also v : 6 b 7 will be brought down

others on the fame Subject.

SURETTO of the Pence, (fo call'd, because the Parry that
was in star, is chereby secured) is the acknowledging a Bond
keeping the Parce. See Penners undiged of Record, for the
keeping the Parce. See Penners undiged of Record, for the
This Parce, a Justice of the Pence may command, climatity or as a Minister, when commanded thereto by higher chattoerity or as a Justice, when he doth it of his cown Power, deCourse of the sound Manarize differing that hater.

Course of the sound Manarize differing that hater.

rivéd trou his Commution.

Surrey of les goal daterate, differs from this; that where as the Parce is not broken without as Affray, or tach like a to Surrey do les goal to any be broken by the Number of a Main's Company, or by his or their Weapon, or Haneel.

SURPACE, in Commenty. See Town Transcript.

SURPACE, in Builpointen could by Exaction Basing Comment. It: 10 and 
VENER SEE PLENTINDS.

SURPRIVE Water, is a Water diffill'd from Poppies, and ther Herbs, proper to cure Indigethions.

SURGE: The Sailors call a Wave or Billow of the Sea Surge: Allo, when they are heaving at the Capitan, if the

a Morga a Alfo, when they are heaving at the Couplan, if the Citle happen to file beat a little, they fay, The Calle furgers, SURGERY, See Christopera V. SURGERY, See Christopera V. Surgers and Couplant Term (SURNAME, a Name added to the Propose of Surgers and Surgers a

Twas the Roman infiliationduced the Utie of Hereditrys Names; and that on Occasions of their League with the Soliton's, for the Confirmation whereof, it was spreed, That Soliton's the Confirmation whereof, it was spreed, That Roman Names, to be the own. Tache new Names became Family Names, or Bressmer, and the old Ones continued perforal Names. The former where call'd Generalized perforal Names. The former we call'd Generalized and the Names of Processional, See Parasite When these some the wild summer the Procession and the When these some the wild summer the Procession and

MAN and COONOMEN.
When they came to be used among the French and English, they were call'd Str-manus to Sir-manus, not because they are the Names of the Sire or Father by bas, according to Gambian, because they are super-added to the personal Name; or, arther, with Du Canget, because at first, this Family-name was wrote over (Sur) the other Name thus:

was water over (2007) the other Saint Insis: Louis.

Join Illea of Sameans; the Helvers, to keep up the Memory of their Talba, afed the Name of wher butter, with the Golfman, Sie. In the Great, Name of which pattern, which was the Golfman, Sie. In the Great, Named with Saint of Declara to the Great, Named with the Saint of Declara, Declara the Saint of 
as, of Owen, Owen of Harry, Harry of Rhofe; and the Info, Mec, as Dounis Mac Neal, Neal Mac Con, Sc. and the old Normans, Fire, as John Fire Rebert, Rebert Fire

See Manage and Angeles and Ang

different Names, oiz. Namen, Ognomen, Januario their different Names, oiz. Namen, Ognomen, Januarien; but thefe laft were not Herodicary; being, in effect, a kind of Nick-names, if that Word be indifferent with respect to Good

Notestament, if that Word is additioned with religied to Good and Evil.

The three party here been interested by later Times.

In the control of the party here been interested by later Times.

In the control of the party we find that Edgar was called the three-three by Estimate, the Chartes's Estimate, Incepting Hardet, Hard

Dock, moth of bear mater from Places, with the Addition of the

 $\mathcal{G}_{BB}$  Tillet maintains, That all Sin-mames were given by way of Sciriquets, or Nick-mines; and adds, That they are all fightfann and intelligible, to thofe who undertried the ancient Dialects of the feveral Countries. The greatest Part of our Sin-mannes, and those of greetest Account, Combiden fnews, are local, and borrowed from the Places in Normandy, hrews, are local, and corrowed trans the Places in Normandy, E.G., where the refrective Perfons, who came over with the Conqueror, and fifth bore them, had their Politelions, or their Birth, I dach as Mariner, Warren, Albagen, Percy, Dievereux, Tauke vil, Need, Tracy, Montfert, E.G. He adds, That there is not a Village in Normandy, but gives Name to Geme Earnily in Legisland. Others were taken from Places in

finne Family in Logland. Others were taken from Places in Explant, as Africa, Mitters, K. Son old beit; Buller's or Mother's Christian States, with the Addition of Son-Though many were theremost from their Trade, as Shirth, Corposing, Yeeffer, Wheney, Fuller, US., others from their Corposing, Yeeffer, Wheney, Fuller, US., others from their victors in the Health of Complexion, is Early, fig., 1998, 1998 or Zind's others from Bibls. 24 West, Fast, 96, 1998, 1998 or Effect, as Lands, 1997, 1997, 1997.

there is Lamby Harty Co. others from the Winds; others from Saints, &c. SURPIUSAGE, in common Law, fignifies a Superfluity, or Addition, more than needeth; which fometimes is the Caufe that a Wirt abareth.

Iris fornetimes also applied to Matter of Account, and de-tes a greater Disbursement than the Charge of the Ac-

compant amounted to.

SURREBUTERS, in Law, a fecond Reducter, or a
Rebutting more than once. See REJUTER.

SURREJOYEDER, is a fecond Defence of the PlainHiff Aftion, opposite to the Defendant's Rejoynder. See REJOUNDER.

SURRENDER, an Influence in Writing, tellifying.
That the particular Tenant of Lands and Tenences for Like or Years, doth fufficiently confern and agree, That is, who has the next or immediate Remainder or Reversion thereof, thall have the preferr Effate of the time in Posterion; and that he yields and gives up the fame to him; for every Surrenser ought, forthwith, to give Postession of the Things furrender a.

There may also be a Surrender without Writing, whence, a Surrender is divided into that in Deed, and that in Low. Surrender-in-Deed, is that which is really and fensible

perform'd.

Spirmed-re-Dields, is that when it really said sensibly Spirmed-re-Dields, is the Intendence of Lew, by ways of Confequent, and not Actual. As if a Man have a Leafe of Sensin, and changing the Term, he accused on the Leafe of Sensin, and changing the Term, he accused on the Company of a new Leafe. There is allo a cultionary Narronder of the Copyholds, as may be from to Reb pp. Leafers. Red., They are payment as Room of accubing medical control of a littlenge or liftings. Room of accubing medical control of a littlenge or liftings. Connection. See leaves, Fourth Scale, The Connection. See leaves, Fourth Scale, and the Connection of the

SURSOLID Prollem, is that which cannot be refolved, but by Curves of an higher Kind, than the Conic Sections. See

by Curves of an higher Kind, than the Coulé Settions. See
E. gr., To define a regular Endeago, see Figure 6.
Electa Sides in a Circle, it is required to deferbe an Hofelas
Hofelas and the County of the County of the County of the County
Hofelas of the County of the County of the County
Hofelas of the County of the County of the County
Hofelas of the Hofelas of

The First is what we properly call Surveying. The Second we call Plating or Provaiting, or Mapping: And the Third, Coffing up.

The First, again, confists of Two Parts, viz. the making of Observations for the Angles, and the taking of Measures

for the Diffances.
The former of thefe is performed by fome one or other of

The former of their is printmed by fome one or other of the following lightments, even the Theolofic, General framework, the the Theolofic, General framework, the Company of the Company

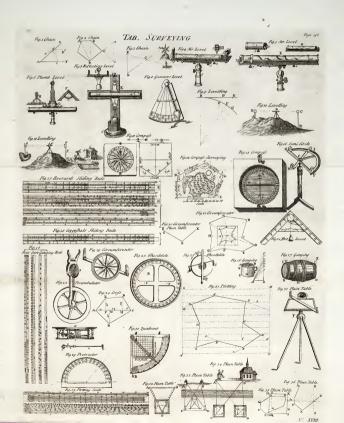
eich whereof; ite under ill respective Artivas, braats eich ParkARULTAND, brack of Georgeist, is proform? by mass of the proform of the profo

Are is or Contents of thefe feveral Figures, by the Rules of livered under the Articles A Rea. Talanoura, Soyana, 55°. Surveying Croft, is an Infrument little known, and life under in England; though in France, &c. it ferres in litu of a Theodoline or the like Infrument; It conflits of a lenter of the conflits of the conflits of the conflits of the conflict of the conflict of the conflict of the conflits of the conflict of the con a Theodolire or the like Instrument; It consists of a breat Circle, or rather a circular Limb, graduated, and again di-vided into Four equal Parts, by two Right Lines cutting each other at right Angles in the Centre. At each of the Four Extremities of the Lines, and in the Centre are fixed Sights. The whole is recounted on a Steff.

The whole is mounted on a Staff.

Surveying Wheel. See Perameulator of Way-

SURVEYOR, one that hath the Over-fight and Care of confiderable Works, Lands, &c.



As, the Surveyer General of the King's Alemes; Surveyer of the King's Bechnings, Surveyer General of the Works; Surveyers of the Highways, Rec.

Surveyers of the Highways, Rec.

Surveyers of the Misting, is an Officer of the Mint, while Buthneth is to be the Bullion cut one; and that it be not altered after the Delivery of it to the Micter. See Mints.

and COINAGE.

and Goracea.

Severyton of the Namy, is an Officer, whole Butleric is to know the Suite of all Stores, and fee the Want singuled; the Name Severyton of the Suite of all Stores, and fee the Want singuled; the Bostrienian and Gerganteric Accounts. See Navy and the Butlerich of the Suite of Su

Thing, SUSPENSION or SUSPENSE, in Common Law, is a Temporal Stop of a Maria Right.

Temporal Stop of a Maria Right.

As when a Outgoirey, Neat, (for the pricting of the Unity As when the Company of the

confiderable Fault, See Censure and Excommunica-

"Tis of two Kinds, triz. ab Officio, and a Beneficio. Suffenfan ab Officio, is that whereby a Minister is, for a Time, declared unfit to execute the Office of a Minister. See OFFICIO.

OFFICIO.

Suffenções a Tenticio, is when a Minister is, for a Time, deprived of the Profits of his Benefices. See Britericio.

Where the Fault is more Nocerious, the two Kinds of Suffençõess are Gonzelmos poined; and the Perion [infraestes do Officio, and a Tentific likewist. See Derrivarious.]

Suspension, the Act of preventing the Effect, or Courfe any thing, for a certain Time.

The principal Point urged in the Philosophy of the Scep-ticks and Pyrrhenians, is a Suffension of Mind. See Scar-

itids and Pyrroumans, is a Sufference of Mina. See Series, Francisculars, (Ec., in a fluori Trace the consending Parties agree on, for the Burkel of their Dark, the waiting for Success, or the Order of their Mallers, (Ec. In Reservice, Sufference is a keeping the Hener strenties and doubstrial; in expecitation of what the Sycaler will conclude in an, O God i Darbon fit not user objective. Lifety, excluding the Conference of the Sufference o Sin to thee.

Suspension, in Mechanicks. Points of Suffension in a Ballance, are those Points in the Axis or Beam wherein the Weights are apply'd; or from which they are fulfended. See

SUSPENSOR. Tefliculi, in Anatomy, a Mufele call'd SUSPIRACE, See GREMASTER.
SUSPIRAL, a Spring of Water, passing under Ground towards a Conduit or Cittem; also a Breathing-Hole, or Venti-

duct. See VENTIDUCT. SUTE, See SUITE.

SUTPL. See SUTPL.
SUTPLEY in success Cufforms, the South Door of a SUTPLEY in success Cufforms, the South Door of a SUTPLEY in the SutPost SutPley SutPost SutPley SutPost SutPley SutPost Sut Porches are built at the South Doors of Churches. See Poacst.
SUTURE, SUTURA, to Anatomy, a particular Kind of
Junchare, or Articulation, of certain Bones in the Animal
Body; thus call'd, as refembling a Seam. See Articu-

LATION.

There are two Kinds of Suttres; the one call'd the true or genuine Suttres; wherein the Bones are indexed like Saws, and reciprocally received into each other.

"On the Color of Fouriers, or funenumous Su-

The other, call'd the fulfe, or fourious, or fquammous Su-tures; wherein the Bones are laid over each other, like the Scales of Fishes.

The Bones of the Cranium are ufually join'd by three genaine Sustres; the Covenal, reaching across from one Temple to tother. See Coronal.

The Segistal, joining the Offa Parietalia. See Sagittal.
And the Lambdaidal; thus call'd from its refembling the Greek A. Lambda,

Befides thefe, is a fourth Sottore, of the spurious or squam-mous Kind, supposed, the fallely, to have no indentures: It joins the Odd Temporam to the Os sheemoides, Occipitis, e.e. and is also call'd the Temporal Satures: See Squam-

Notes: My lifetime well us. That in Profit 'is frequent to Wantel Hillerian well us. That in Profit 'is frequent to whole one fold Boar, yet win end in the Swall, but the whole one fold Boar, yet win end to Credenia Juscepa one of the Good Board of the Credenia Juscepa one of the Good Board of the Good of

and Conferentives,

and Compressives.

Instrustive Severar, is thus call'd, becam'd, by rejoining the Edges of a Wound, and keeping them together by the means of a Thread ran aerofs them with a Needle; shey grow together, and incarhate as before. See Bracan Nature.

This, they full-divided into five Kinds, vic. the Interrupted, Intertwifted, Pinn'd or Feather'd, with Classes, and the Dry

Stater. Of the Five, two are perfectly diffued, viz. the feather's Stater and the Saurer each Claffy, as being too barinrous, and at the fame Time unnecessary. The First was called Phint's, when little Pin were made use of a 2nd feather's, the Denah of Vestaco Call.

Pland, when inthe Fine were made all of a and fasther's, when the Barrels of Feathers or Quills.

To perform it, two or three Needles, threaded with a double Thread, were pasfed through the Lipps of the Wound, as a Finger's breadth from each other, and a Pin or Feather put in the Stirch; and another Pin or Feather bound with the Ends of the farm Thread; that the Feathers might keep the Victoria. We would obline your limits of the Parties of the farm Thread;

Ends of the fame a needs; that the Feathers might keep the Lips of the Wound clofe trogether. To perform the Second, they had large, crooked Claffs, pointed at each Ends une of which they thrulf into the apper Part of the Wound, the other into the lower, to bring the

Part of the Wounds, the count mile was a real to all the together. Let a depth experts a perfect of the property of the Wounds, where present of the property of the property of the property of the Wounds, by moderate Competitions, and writing out the Wilmes of the Wounds, by moderate Competitions, and writing out the Wilmes of the Wounds, by moderate Competitions, and writing out the Wilmes of the Wounds, by moderate Competitions, and writing out the Wilmes of the Wounds.

Restrictive Surumas, were those wherewith they endea-voor'd to flop the Flux of Blood from large Wounds, where any confiderable Vessels were cut.

would be sold the server of th the very Defign of finds a Source is blameable: For Imposing the Wound for excellify fewed up, but no Blood could efeate inrough the Lips thereof; yet will it fill flow out of the Veffels; and will thus be farced to make its Way within the Intellines of the Muckles, by which means the Part will feell, ret and gangene. Test the Sourcest Sources, Sources Tellowson, in All preferred for Wounds of the Intellines: The Company of the Company o

The shar cell'd, because the Schmers safe the same, in f wing up the Holes made by the Bauchen, in thosing off the Schmer, up the Holes made by the Bauchen, in thosing off the Schmer, the Holes of the Schmer shared whereby the Lips of year, that had not make a substantial same and the Lips of year. In this case, the same shared by the Bauchen, now, fuffice, evenue, in these call'd, beautify the Bauchen, now, fuffice, the same shared when the same shared when a much after the fance Mannes as the Thysina does the thread had been a much after the fance Mannes as the Thylon does the thread had been shared as the same shared when the same shared with the sa

All the Sutpres hitherto mention'd, are made with Needle and Thread: Beside which, there is another Kind, call'd dry Sutures, which are perform'd with Glue or Size; or other

dry Mitters, which are personned with usine of ouze; or usuer propore visions Mitters.

The dry Mitters is ordinatily made with finall Pleese.

The dry Mitters is defined like a Saw, 60 that the Teeth may fall between each other, and the whole Row may be cloud. The Cloth, before it is cat into this Form, is fixed with some proper Emplaisher, in order to its firm

Adheson.

The Plaifters thus prepar'd, being out into the proper Form, are apply'd on the firm Fielh, according to the Length of the Wound, reaching from it to the Difference of tome Inchess, and after they are dry'd, or well faften'd to the Part, the Lips of the Wound being approach!d, they may conveniently be held the Wound being approach'd, they may conveniently be held together by the Anne in that Poliuse.

This kind of Susure is principally ufed to Wounds in the I has knos of Jastier's hypercology uses on Woodal's In the foc, to prevent enflightly Gents: "I'm likewise convenient when the Fibres of the Mufcles are cut a-croft; and when the Fibres of the Mufcles are cut a-croft; and when the other Kinds of Sairarts, the Strickes ought always to be taken at a Dophy propersionals to that or the Wood, of Care being had in a stud the Nerves as much as position. Gentlement of the Company of the Choice of the Condy, and Woodal Company of the Choice of the Condy, and the long Woonad Company of the Choice of the Choice of the Condy, the Company of the Choice of the Choice of the Choice of the Company of the Choice of th

tong woonas ney are pert pegun at the moss; but in hose ones at the Middle.

SWABER, the Title of an inferior Officer on Board a Man of War, whose Office is to see, that the Ship be kept

cat and clean, In order to this, he is to fee her wash'd well once or twice a Week at leaft; effectally about the Gun-Walls and Chains. He ought to burn litch, or fome fach Thing, now and then between Decks, to prevent Infection; and to acquaint the

kerween Decks, to prevent infections, and "o acquaint the Capsain fifth of an are raily and officialty."

SWALLOWING. See Decentritions.

Some Report.

Swallowing and the Capsaint fifth of the Swallowing and Swallowi

"Vickuds are ground y set the Stomtcha of Men being "wey different, his no refainable to fault they flowed be very different," his no refainable to fault they flowed be "I lowe," adds he, one Mr. K.—, who for many "I lowe," adds he, one Mr. K.—, who for many "Tean Faulderal" disor of ten every Day, nearly all logs at Tean Faulderal" and the "I lower they have a super and partial Tampifferent goal and the super and t

SWALLOW-tail, in Fortification, is a fingle Tenaille, atrower towards the fortify'd Place, than towards the Country. Sec Queve d' Hironde.

Country, See Quert al Historica, in Joinery and Carpentry, a particular Way of failtening togetime two Deccent Thomber; him as that SWAN-Mert, See Kuca is Amen-Jent, SWAN-Mert, See Kuca is Amen-Jent, SWAN-Mert, SWAN-Mert, SWAN-Mert, Mille, and Gromer, Meeting) a Court touching Matters of the Fuettly keep by the Charter of the Decett Intice in every Year, before the Verdourn, as Judges. See FOREST.

This Court is as incident to a Forest, as a Court of Pic-

This Court is as incident to a Forett, as a Court of Pic-powder to a Fair. Sec Court, a long and broad Band to bind up any difficat Member, or Part. See BANDAGE. SWBAT, a Mositure iffuing out of the Pores of the Skins of Animals, thro' too much Heat, Exercife, or Weaknets, or through the Aktion of certain Medicines call'd Substraficks.

Stepar is either the Confequence of an Acceleration of the Blood's Motion, by Stimuli, or Exercife 3 or of a Relaxa-tion of the Pores of the Catis, by means of either where-of, the Matter which before prefpired intentibly, is now

of, the Matter which boften perighted intentibity; to now rendered fending, See Pragaryan Trous, The Senners is the Cafe in Natural and Meelicinal Newart, and the latter is muchol, finding, and cold Orners. Carlo and the Carlo and the Carlo and Carlo and Carlo and which are forcad over the whole Ambiest of the Body; and farmilly, Cach, which a Ven, Arters, and Newey, Seedies and exceeded Dadl, that o'the Orlice whereoff the News is sail our work of the Carlo and the Carlo and the Carlo and the theory of the Carlo and the Carlo and the Carlo and the byte Senter is eccasionally such the Carlo in Senten-byte Senter is eccasionally such as the Carlo and t

See MILLIARY Gland

The Surger thus fecreted, is various, according to the Variety of the Weather, Soil, Sex, Age, Temperament, Emonstories, Diet, Time of Digettion, Sec. as in the Utine.

See URINE.
In a found Body, Swest is scarce ever found, but from :
Fault in fome of the fix Non-naturals: Its immediate Ef

feet is always hurtful; By Accident it fometimes does good. The Phyficians order Sweats in cold and inveterate Dig. eafes, as the Paliy, Rheamatifin, Sciatica, and many other Difeafes. Difeafes frequently have their Crifes in Sugars,

Sweating is indicated by the Beginning of a critical Sweat to carry off the Difeafe; by the Tenuity of the morbid Matter difpered thro: all the Veffels, as in the Plague, a venomous Rite, the French Difeafe, e'er yet fix'd; by the particular Temperature of the Patient, and by various Ch. structions to be remov'd in the feveral Parts of the Body particularly in fubcutaneous Difeafes, the Itch, Pfora, I

particularly in inocutaneous animato, more of all Quadrupcks, as Matthéodus relia as, That the Sweat of all Quadrupcks, as Metrics, Affer, etc., is venements; and that that of other Besits is unwholfome. Tackemins adds, that the Sweat of Hories, particularly, is to acid, that it plexes the frongest and firmet Boors, that are Proof against all Water, Sour and Sweat of the Sweat of Cata never feetins, how but and inmett Boots, that are root against as ware. Some Naturalities affirm, that Dogs and Cass over frient, how he foever they be, because they are not found to have any Pores in the Carticle. See Poar. English war. See Supon. Anglicanus.. SWEEP, among Refiners, the Almond Furnace. See

SWEEF: The Scimen call the Mold of a Ship, when the egins to compals in at the Rungheads, the Sweep of her, or as Sweep of the Fattock. egins to con

the Sweep or the Frances.

Sweeping as Sea, fignifies dragging along the Ground, at
the Bottom of the Sea, or Channel, with a Tree-fluk'd Grap-nel, to find fome Hawfer or Cable which is flipped from an

SWIMMING, the Act or Art of fuffaining the Body in Water, and of advancing therein by the Motion of the Arms, Lins, Sc.
Man alone learns to fining; all other Animals have it natu

Man 30 folio cuasu or year.

Man 30 folio cuasu or year.

A famong the scalent Greek's and Romans, Swimming made
for effectual a Part of the Diliphine of their Youth, that so
represent a Man prefely year desi and undeasteet, they side to
fay percentually, he bud neither learned to read zor to friety,
ming, not the First, as is generally insagind it for this Resfirst History are consecuted as the second of the second tim Fifthes are more throng and mulculous in that Fart, than in all the reft of the Body's, according as we find it in all other Animals; the motive Farts whereof are till the ftrong-th, as the Thighs of Men for walking, the Pecton's Mutche of Birds for Flight, Ed. See Favine, Ed.—The Manner wherein Fithes row themselves forwards by

the Tail, is well explain'd by Borelli de Moss Animal. Pass t. cap. 23. The Fins of Fiftes only ferve to keep the Body r. cap. 23. The Fins of Fifthes only ferve to kee well pois'd and ballane'd, and prevent Vacili

First. "Program has published a sarious Piece in Frends, call! Let at & Riger, the has of obviousing, demonstrated by Fi-gures. Believe him, Ecoward Digity, an Englishmen, and Kribelat Wirman, hand haid down the Rales of his Aret Theorem has done little more than copy from them... Part of the Company of the Company of the Company will be a fine of the Company of the Company of the Company will be called a fine of the Company of the Company will be other Alamine, were they not prevented by Fear, which like other Alamine, were they not prevented by Fear, which

magnifies their Danger.
We have abundant Experience against this: Throw any
Brute, newly born, into a River, and it feeings: Throw as
Infant in, e'er yet capable of Feer, and it feeings not, but is

Infanctin, efer yet crapble of Fort, and li 'finite root, belli dirwowl. din in, that the humo. Marine differs very pre-tably in 16 stretcher and Configuration from that of Britist and particularly, which is very extended inner; in the Startes and particularly, which is very extended inner; in the Startes of its Centre of Gravity. In Man, the Head is well as the Body's 1 by readin the Head is ferrally with a very off the Body's 1 by readin the Head is ferrally with a very off the Body's 1 by readin the Head is ferrally with a very off the Body's 1 by reading the Water by its own Cortivity, In Who was a few of the Body's 1 by reading the Water by its own Cortivity, and with the West, the Man Gent Govern, and a Body and the Water by its own Cortivity, and with the West, the Man Gent Govern, and its Body and the West, the Man Gent Govern, and its Body and the West, the Man Gent Govern, and the West of 
and Hands, 'tis enough to flir them, and to use them as Oars to conduct the Veffel.

so conduct the Vedici.

Switzstarto Midden v. Vedici of An, inclovid in the Switzstarto Midden v. Vedici of An, inclovid in the Switzstarto Midden v. Vedici of Ani, inclovid in the Indian being the Switzstarto. Rev the Air in the Bidden being more or jed compered to Rev the Air in the Bidden being more or jed compered to be with the Switzstarton v. Rev the Air in the Switzstarton v. Rev the Air inclose the Switzstarton v. Rev the Swit

And if the Fifth be deeper in the Water, its Bulk becom-ing lefs by the greater Compression of the Bladder; it will still remain commensurate to the Gravity of the Water in

If the Fifth be higher than the middle Region; the Air dilating itself, and the Bulk of the Fifth confequently in-creasing, but not the Weight; the Fifth will rife newards, and reft a-top of the Water. red a sipo of the Water.

"The problets for plant falling, can note in low are "The problets for plant fine fine. A No. 27 delivers, which is most fifthen, there is a modified Channel feating from the Gallets to the planting Blatder, which cloablets from the fall could be proposed as the conveyance and that there is a medicate Power in the the Coordinate of the planting Blatder and Coordinates of the line is list. The fine Anaber adds, it is confirmation of the Docknes, that 'es found, if the featuring Blatder of any Bestrom, and can rather laptors on earlier life." And but in flat-fifthe, as Sois, Plais's, fee, which is always growling at the Boston, fine is not flatform at all.

at the Bottom, there is no journment misself at an at SWINE-Fox. See Pox. Swine-Fox. Swin

Species, which were to be mounted which both Hands, which in the Dury they could brandfill for instrusly, are to creat the first white the strength of the American Country, and a first of Wooden Sware, which would do a straight and a first of Wooden Sware, which would do a straight and the strength of field a Langeth, determined by Authority. The succine Countries gave Smars to their Sware's Typedy was that the Countries to Demandal time to Offensio, Sec. ST. Straight Sware and Swa

bic, which is when the Word is increased by a Syllable and the other Temporal, which is when a fhort Syllable be-See AUGMENTATIVE.

COMENDATIVE.

SYLLABLE, INGERMENTATIVE.

SYLLABLE, INGERMENTATIVE.

OF, a Syllable is a Complete Stouch, are in one Fresh, confliting either of a Yowel alone, or of a Yowel and one or more Complete in one Fresh, confliting either of a Yowel alone, or of a Yowel and one or more Confloants, not exceeding either. See Yowen, Con-

SOMANY, Ele-gealiger defines a Syllable to be an Element under one Accent; that is, what can be presounced at once. Prificiam, more intelligibly, eliki it a Comprehension of fe-veral Lectors falling under one Accent, and produced at one Morion of the Breath: But Steme Germannars reject this Definition, as excluding ill-Syllables of one Lector. Company of the Com

individual Sound. See Voice.

In every Wood, therefore, there are as many Sylladies as there are vocal Sounds; and is many word Sounds, as there are vocal Sounds; and is many word Sounds, as there are vocal Sounds; and is sufficiently are composed Words; each whereof requires a suitable of the sufficient of the support of the sufficient of the su

Gr.

The Word I derived from the Greek exceedy, Affernillage,
The Word I derived from the Greek exceedy, Affernillage,
Depthy I werk jit were to be wifted, we had niced and fetted
Regite to determine the precise! Number of Spillation in our effect
And there are even four with tropy distincts in their effect.
And there are even four with tropy distincts in the regited.
And there are even four with tropy distincts in the state of th

Segar, mro water.

Wooden Cow.

Sometimes 'tis made of Canary, in lieu of White Wine a in which Cafe the Sugar is spar'd, and a little Lemon and in which Cafe the Sugar is spar'd, and a little Lemon and the state of the Sugar is spar'd, and a little Lemon and the state of the s

in which Cofe the Sugar is Fyard, and a little Lemon and Nameng add in lice to H.

To pressure it the best W.-p. Wijot, and the Misse of the Committee of Mills. For White to three of Mills. For White Wills or the Committee of t

where, shere fininding to fetic two or three Hours, 'to fit noest,' SYLLEPISI, to Frammar, Lift 140 Generally, is a 21-SYLLEPISI, to Grammar, Lift 140 Generally, is a 21-th of the Control of the Control of the Control of the World Interest 140 Generally 140 Generally 140 Generally into the Words, but to the Senfe, Sec Concernor. The Sylleffit, thys an ingentious Author, is a Figurative Confluence, which agrees more with our Ideas, thin with the Words; and with respection more of the Senfe or Ideas in the Mind, than the Terror therefore.

Other Authors make it a Disproportion, or Unsuitableness

in the Parts of the Difcourse, Voffins will have it the Agreement of a Verb, or Adjective,

nor with that Word next it, but with the most worthy in the Sentence; as Row & Regins beats.

Some Authors call the Syllepsis, Synthesis. See Syn-

Some Antone call the Ayrioph, symmyn, one over-"The a Figure of very condicated by the fire well under-tificating of Antones Accordingly, designed divises it into case Kinds, fingle and relature. The fingle Agriffeld is to the Control of the Artificial Control of the Agriffeld of Number, or both: The relative Splitply, is when the Reta-tive is referred on Antoneoders, which is not expected a best to relate the Artificial Control of the Agriffeld of SYLLOGISM, to Logic, and the whole having the Pro-ting of the Agriffeld of the Agriffeld of the Agriffeld SYLLOGISM, to Logic, and having the Pro-ting of the Agriffeld of the Agriffeld of the Agriffeld SYLLOGISM, to Logic, and the Marter and the whole allow I) Demonstration. The Agriffeld of the whole allow I) Demonstration and the Agriffeld of the

Paralegiftic. See DIALECTICAL, APODICTICAL,

cd's it take, moder an Appetrance et areals, orbipue, or 
prometigile. So DELACETICAL, PONOSICETICAL, and 
prometigile. So DELACETICAL, PONOSICETICAL, and 
prometigile. So DELACETICAL, PONOSICETICAL, and 
prometigile. So de la comparation of the 
An often at the Mind obferte any two Notions to agree to a third spike in do one in two Propositions; it immediates that one of them agrees, and the either difference in the 
throat of them agrees, and the either difference in the 
throat of them agrees, and the either difference in 
the difference of them agrees, and 
the difference in the spike of the 
throat of the difference in the 
throat of throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of 
throat of

inferring the third: Tho' they are both call'd Sumptiones, becaule attum'd for the Sake of the third, and both Pre-miles, as being premis'd to it; and for the fame Reason both are call'd Antecidents, only the first the Mejor, and the latter the Minor. See Assumption, Premistra, Major,

latter the Minor set assurer 100s 1 acknowledge.

The third is call'd the Conclusion, as being the Close of the whole Argumentation; and founctimes Complexis, as including the two Nocloses, before feparately compar'd, and lattly, Marin, because it follows from the Americans, and lattly, Marin, because interval from the Frenite by Marin of the Illattie Particle Eng. therefore, Ge. So Concerned

of the illarice Partiale Eyg, therefore, §6. See ObversaScare State Control of the principal Partial of a Syllegini, in these safes, that the both the Propulsion and Affingation conditions of a Subject and Annabase; yet the Subject and Annabase; yet the Subject and Annabase; yet the Subject and Annabase; which was a subject and a reason of the Condition. See Suspice; and Arranuva. Again, in the Internet above removed, Animal Reing and the Subject and Annabase; who have been also also the Subject and Arranuva. Annabase subject and Arranuva. Annabase subject and Thinks, we call'd Environment or Transa and yet Subject.

The princer Exercise, and the Arranuva help. See Subject the princer Exercise, and the Arranuva help. See Subject the princer Exercise, and the Arranuva help. See Subject the princer Exercise, and the Arranuva help. See Subject the princer Exercise.

the greeter Exercising, and the Artitrolate Ize (q).

The and Extra shorter Simple or Compound; may either be Categorical, as that sheady influenced; wherein both Premitie are Publitive. See CATRODAYCAI, Or, Hygherbried, wherein use or both of the Premities are Gupfeled, wherein use or both of the Premities are Gupfeled, as, At if the Sim Binst, 'till Day,' but the Sim dash plant; therefore it is Day. See Extra construction.

sees joint; iterefore 'its Day. See Hypothetical. Or, malegical, w. At the Bafe is to the Calumn; fo is Juffice to the Commenceath's but if the Bafe be excluded with the Calumn is overtural's; therefore if Juffice be taken away, the Cammonteath's is overturals. See Analosical.

Or Diezemie, or Disjunctive; as, Either they mean to Please or to Profit; but they don't aim to Please; therefore they don't aim to Profit. See Diezewyte.

The most convenient Form of a perfect Syllegifin, is to have the Medium in the Middle, placed between the Subject and the Attribute; as in the Inflance above-mentioned. Of this Form, there are two Figures; the one Coherent, or Conjunct and Affirmative, founded on this Canon, That what agrees with any thing likewise agrees with that, wherewith this necessarily agrees.

with this necellarly agrees. The other leaves or Disjunct and Negative, founded on this Canen, That what agrees with any thing, diffagrees with the wherewith this diffagrees. Of each of ence Figures there are three Modes, via. General, Particular and Mired.

See Moon and Floure. A Syllegibs, wherein one of the Premifes is suppressed; but so as no be understood, is called an Entlymanne; e.g.r. Every Animal Thinks; wherefew Man Thinks; wherein the Proposition, Man is on Animal, is understood. See Ex-THYMEME.

The Demonstrations of Mathematicians, 'tis observed, are only certain Series's of Enthymenes; so that every thing in Mathematicks, is concluded by Syllogistin; only omitting such Premifes as occur of their own accord, or as are referr'd to by the Citations. See Demonstration.

The Contentions. SEC DEMONSTRATION.
For the USe Syllegiffs is for Reason, Mr. Lock observes,
That of four Things, which Reason is employd about, eve.
the finding out of Proofs; the regular Diffeosition of them,
fo as their Connection may appear; the preciving their Conmonths of the Proofs of the Proofs of the Proofs
affills in one, eve. the shewing the Concession of the Proofs
affile in one, eve. the shewing the Concession of the Proofs any Inflance.

of any Indiance.

Nois is to if any great Ufe even here; i fince the Mind can pencire fuch Comecons, where it really is, as easily, any, pretended to the Comecons, where it really is, as easily, any, pretended to the come of the comecons of the comec firms may be put together in, as to know which of them does certainly conclude right, and which not, and upon what lude right, and which not, and upon what Grounds they do fo.

The Mend is not rought to rothon by their Rudes Is I has a nature Faculty, of perceiving the Coherence of inchestore of its lickes, and can range them right, without fisch perspecies (Expertitions, Ado, that to five the Washend of a natural range of the second of the The Mind is not taught to reason by these Rules: It has

Connexion they have, and fo is able to judge of their In-ference, without any need of Syllegifus at all. Nor must be be omitted, that Syllegifus are as liable to Fallacies, as the the control of the co

all composed after this Manner. Quintilian extends the Use of the Word to any Writing

Swintillas extends the Use of the World way thing door in halfe, and on the Spot.

The Word is Latin, and literally fignifies Forth; whence in their Ufe, in our Language is, meraphorically, to expendent of the Company of the Compan various Subjects; as a Forest is an Assemblage of Trees of different Kinds.

SYMBOL, a Sign, Type, Emblem or Representation of any moral Thing, by the Images or Properties of natural Things. See Sign, Type, Sec. Thus we fay, the Lion is the Symbol of Courage; the

This we say, the Lion is the symmer of Courage; the Pellican of paternal Love, gene among the sancient Hebreu, Symbols were in great Repute among the sancient Hebreu, and effectably among the Egyptians; and ferred to cover a great Part of their moral Mylleries; being used not only to represent Moral Things by Neutral; but oven Natural by

Natural

Symbols are of various Kinds; as Types, Assigna's, Parables, Fables, Allegories, Emblems, Hieroglyphicks, &c. each whereof fee under its respective Article Enioma,

PARABE N. FARLE, E.C.

The Word is found from the Greek, superson, Conjugate

The Chingle Letters are most of them Symbol, or Significative. See LETTER.

The Symbols in Algebra, &c. are various. See CHA-

Medalliths apply the Term Symbol to certain Marks or Medalith apply the Tem Symbol to certain Makes or Archivang posture overall Perlines, The extendibution of the certain Derines. The Archivang posture overall Derines. The title Interprete, is a Sign or Symbol of the Gourcian Arthur Line French and the Court Line French and Fr

Herefees.

Though it be a common Opinion, that the *Symbol* is the Work of the Apoffles 3 and though, on the fouring of fath Opinion, we call it the Apoffles Creed, yet, the Pin observed, there are several very cogent Arguments to render the Opinion.

highly improbable.

In the Empres' Library, is a Greek MS of the Symbol in the Empres' Library, is a Greek MS of the Symbol of the Apollet, who are fail to have composed each Article: The First is attributed to St. Peters, and are that excellence to Andrew, Heart Major, John Thomas, James Minos, Philip, Bartholomews, Mastilews, Simon Thedats and Martinia.

But the Teltimony of that M S, does not much confirm the Opinion, that each Apolite composed an Article of the Sym-bol; yet the Opinion is, at least, as old as St. Lee, who

forms to have believed it.
Authors are in doors, why the Name Oymole flouid be
given this Compendium of the Articles of the Carliflian Falsh
Same By, "first tealfd", as being the Mark of Chesheddies
of a Christian. Others derive it from an Affendhy or Cortended to the Carliflian of the Carliflian s to have believed it.

SYMBOLICAL

SYMBOLICAL Column Symbolical Philosphy } See { Column Hierodlyphic,

Classes Bleantrian, Ethiology (b. - Aborry, that the Agryption last we way of designative critication, and Agryption last we way of designative critication, and reits: One by the Virens of Animals, Hests, gf. et so ofte by Comercia Flerence: Then, the Sim and Bins year expe-fenced, and the first Manner, by the Binste and Bins year expe-fenced, and the first Manner, by the Animals which had Qualitone correlepading thereto; and after the focus of SYMMETRY, the Relation of Bounling in the Height, Longth and Breadth of the Pera necessity to compose a beau-tiful Waker.

Symmetry, according to Fitzerian, confiits in the Union and Conformity of Relation, of the Members of a Work, to their Whole, and of each of the feparate Parts on the Beasty of the entire Works, Regard being had to fone certain Menical Fare: to that the Body is framed with Symmetry, by the Relation the Arm, Elbow, Hand, Fingers, &c. have to each other, and to their Wools.

each other, and to their Whole.

Symmetry, arises from that Proportion, which the Greeks call

Analogy, which is the Relation of Conformity of all the

Parts of a Building, and of their Whole, to fine certain

Mosfires; whereon depends the Nature of Symmetry.

In Architecture, we call Uniform Symmetry, that where

the Ordonnance reigns in the fance Manner, throughout the

the Ordonnance colleges in the fance Manner, throughout the

that the Bourson, could Defaultie Communers that where only

whole Pourtour; and Refective Symmetry, that where only the oppoint Sides are equal to each other. The Word is form'd from the Gresk, sw, with, and parter, Mediure.

Medium:

SYMPATHETIC, fomething that has a Sympathy, or
that acts by Sympathy. See Sympathy.

SYMPATHETIC, is particularly applied to all Difference
which have two Caufer; the one remote, the other near.
In which Senfe, the Word is opposed to Likepathetic. See

IDIOPATHETIC.

Thus, an Epilepsy is faid to be Sympathetic, when produced by a remore Canfe; i.e. when the Diforder in the Brain, embarrafe'd, and, as it were, mired with Blood, is preceded duced by a remote Cante; t. e. wasar to the Blood, is preceded embarrised, and, as it were, mired with Blood, is preceded and produced by form other Differs.

There is a Symptothesic Palpitation of the Heart, and an Hiopathetic one. There is but one dispathetic ones. See

PARTITATION.

Among Caymits and Alchymits, the Term Sympathetic is principally applied to a kind of Powder, and a Sort of

Ink.

SYMPATHETIC Inks, are fuch as can be made to appear and difappear very fuddenly, by the Application of fomething which ferrate work by Sympathy. See INK.

Of thefe, we have fone very curious Inflances and Experiments, given us by Lemery and Mr. Royle; to the following

The first we now was very uniform assumption and a common first was a common way to the first was a fi

The fact that prepared with ear all clien as common this left Lispore, dry it, and nothing will appear. Over the Place, were when yealing with the Man James in Helpore, where they apilited with the Good Lispore it is either the state of th

with the Solution, nothing will appear. Boil Gells in Water, and dip a Limon Rag in the Decotion, and with it rub the Place before writ, and it will appear labels and leighber. Rob bit to wer again with Spirit of Vitrol, or in Oh, and the Writing will diappear again. Rub it over again with Of Turrax per Delaquisms; the Letters will appear again, but a matter of the spirit of th of a yellow Colour

of a yearow Colour.

SYMPATHETIC Gender, a Powder once very much famility fupposed to have this wonderful Property. That if foread on a Cloth dipt in the Blood of a Wound, the Wound would be cured, though the Patient were say Number of Miles

This Powder, M. Lemery tells us, is nothing but Roman Vitriol, open'd by the Sun-beams penetrating it, and im-perfectly calcining it, in the middle of Summer.

But it is now generally allowed a mere Piece of Charletanery, whatever Sir. Kenelm Digby and others before him and after, plead in its Fayour.

pleed in its Freuer.

Six Kandah, in an expect Treatife on the Subject, where the given lattices of Curus performed by it, accounts for the ten given lattices of Curus performed by it, accounts for the search and sow the Spirit of The Subject of Spirit of The Subject of Spirit of the S

with the Spirits of the Blood and Visits, "Thus the Spirits of the Blood finding their Source spin, receiver into their font five Sast, and being joined with the virtuality Spirits, Bert to the Condition of all this fine Generality. The Bert to the Condition of all this fine Generality, the Generality of the Spirits, that the Generality of their in the Enger Dilines, what to Enceraptore (a) fine in the fine of the Condition of the Condition of the Generality of the Generality of the Condition o

The Word is form'd from the Greek oir, with, and mod. Pattion, 4 d. Com-pattion, Fellow-feeling.

Symphothy is also used with regard to inanimate Things; intimating some Propension they have to unite, or to act on

one another. one another.

In this Senfe, Naturalifts fay, there is a Sympathy between the Vine and the Elm; between the Load-Stone and Iron; the two Poles of a Load-Stone, &c.

Inou, the two Pelec of a Lond Scene, the Arrival Pelecular Scene Alumber have wree on the Sympathics and Antipathie between Animals to the gested Fact of what they by site holds to the Step Scene Alumber of Scene and Welfs Guts; A Lane, they fay, being firming with rather two Kinds of Chonds, they can never be two-gibt into Tune with each other. Such allo us that of God Chonds and confident of the Chonds of Chonds of Scene and Chonds of Scene

The Achymitts talk much of the Porndar of Sympathy. See Symparture Opender.

Symparty, in Medicine, an Indifferent Symparty, in Medicine, and Indifferent Symparty, in Medicine, and Indifferent Symparty, in Medicine, and Indifferent or Faulther for of nucher; whether is be three the Afflicance of Some Humour, or Vapour fent from Glewhere; or thro' the Want of the Indian cace of some Matter necessary to its Action. See Consense.

care of four Matter necellary to its Atlion. See COMMENT
For the New and EPRI of Sympathy, in the Principlica
of Modern. See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Monveran.
See Mon of Parts.

[Sf]

The Word is Greek, σύμφουμ, and fignifies a natural Coherence or Connection SYMPHONY, in Mufic, a Confonance, or Confort of feveral Sounds agreeable to the Ear; whether they be Vocal or Instrumental, or both; call'd also Harmony. See Han-

MONY and CONSONANCE. Some Authors restrain Symphony to the fole Masic of In-firaments: In this Sense, say they, the Recitative's in such an Opera were imolerable, but the Symphonies excellent. See

South. Supplying of the Austiness were no further than to the own viceous re inflammant for to Liuffen for they had so fact. Thing as Madic in Parts, as it very well provided by M. Perrantia, at least, if ever they keep fact a Thing, it must be allowed to have been lost. See Syvanuzia. We will be allowed to have been lost. See Syvanuzia. We will be allowed to have been lost. See Syvanuzia. We will be allowed to have been lost. See Syvanuzia. We will be allowed to have been lost. See Syvanuzia. We will be allowed to have been lost to be allowed to have been lost. See Syvanuzia. We will be allowed to have been lost to be allowed to be

and Melony.

The Word is form'd from the Greek cor, with, and pains,

SYMPOSIAC, an Entertainment, or Convertation of Phi-See BANQUET. lofophers at a Banquet. See BANQUET.

Plutarch has feveral Treatites which he calls Sympofices ;

or, The Banquet of the feven Sages, &c.
The Word is form'd from the Greek, exprisors, Convivium,

SYMPTOM, in Medicine, is ordinarily confounded with Sign, and defined an Appearance, or Conjunction of Appearances, in a Difease, which shew or indicate its Na-

ture and Quality, and whence one may judge of the Event ture and Quality, and whence one may judge of the Leven thereof. See Sing, Dietriem is held a Symptom of a Fever; and Pain, Waking, Drowfineli, Canvallism, Supprecision of Urine, Difficulties of Bereathing and Swallowing, Ought Oliguit, Naules, Thirth, Swooting, Fainings, Lonfoneli, Oliffereiti, Drycef and Blakhoti of the Tonger, are held the principal Symptom of Difficulties, or mit and accurate

The principal of Influence of the American Companies of the Management of the Manage Difeafe. See Disnass.

If it arise, after the same Manner, from the Cause of the Difease, it is call'd a Symptom of the Cause. See Cause. If it arise from some former Symptom as its Cause, it is

call'd a Symptom of a Symptom. Whatever happens to a Difease, from Whatever happens to a Distale, from any other Gauses than thole mention<sup>2</sup>, is more properly call<sup>2</sup>d an Epigenesia. Hence it appears, that thele former Symphonia are really Distales themselves, very different as to Namber, Effect, Efe. Tho', after the Ancients, they may be conveniently enough; reded to Paulus in the Familians, Exercitous, and

Retentions.

Under the fift come all Diminutions, Abolitions, Increases, and Depravations of Animal Actions, particularly with regard to Hunger and Tripf, Steeping and Waking. See Huwers, "Hunar, Sel. Under the Geond come, Naughets, Venntings, Lieutries, Gities Affellions, Discretess, Difference, Bios Poffant,

Under the third, come the Jaundice, Stone, Dropfy, Fe-ver, Ifthuria, Strongury, Affilma, Catarrh, &c. Each whereof fee under its respective Acticle, Hungan, Nau-

DIARRIMA, JAUNDICE, DROFSY, SFA, LIENTERY, STA, LIENTERY, DIARRIMA, JAUNDICE, DROPSY, SYMPTOMATICAL, in Medicine, is a Term often used to denote the Difference between the primary and fe-condary Causes in Difference server from Pain is faile to be Symptomatical, because it arifes from Pain only; and therefore the ordinary Means in Percenage one, in Suc Cales, to be had recourse to a but to what will remove the Pain a or when that ceafes, the Fever will ceafe, without any direct

Means taken for that. Means taken for that.

SYNARESIS, in Grammar, a Figure, whereby two
Syllaides are united in one; as ususen for Volonzent.

SYNAGOGUE, a particular Affembly of Jeres, met to
perform the Offices of their Religion; a fit the Place where-

in they meet, See Jaws. Some Authors take the Uto of Synogognes to be of no old

flanding among the Jews ; and maintain, that 'twas not till after their Return from the Babylonift Captivity, that the Opinion first got Rosting, that the Worship of God was not for refirstin'd to the Temple at Jernsfeton, that it could not be held any where elfe. The Confequence of which new Opinion was, that the Jews began to build them Symaggnesi nail their Cities. Others hold, that there were Spragggues even in the Time

Be this as it will, no Affemblies of the Tens appear to

have been call'd *Synagogues* till a little before the Coming of *Jefus Chrift*; who is laid to have preach'd in the Middle of the Symmeteric.

There were teckon'd 480 Synogogues in the fingle City of Jerufalem.

Genijdiev. et ili Spraguer fabilitieg u London, Judger-Live arraine, Apigona, Mari, Araine, Amerika, The Word is Groot, overspot, Alfambly, SYNALEPHA, in Grammar, Acouttefilon, or floren-ing of a Syllable, in a Latin Verfe. See V. ranz. It is performed various Wayay fornicyally, by the finother-ing fone Vowel or Diphthong at the End of a Word, by Rectino of another Vowel or Diphthong at the Beginning

SYNAUCHE, in Medicine, a kied of Squinancy, where-in the internal Muscles of the Fauces, or Pnarynx, are ge-

tack'd. See SQUINANCY.

When the external Muscles of the same are seiz'd, it is

call'd a Paralymenche. See PARASTNANCHE.

The Word is form'd from the Greek, sig. with, and dryes.

to prefs, faffocate.

SYNARTHROSIS, in Anatomy, a kind of Articulation or Jointure of the Bones of the Body. See Articulation

Tion.

The Synarthrofts is when the Bones are bound to fast together, that they are render'd immoveable with regard to

"Tis divided into three Kinds: The first, Sutures; which is a divided into three Kinds: I he hrit, Shitter's which is fometimes in Form of two Combs or Saws, the Teeth whereof enter within one another; and functions in Form of Scales, one Edge lapping over the other. See Survum. The fectood Kind is call'd Harmannis; which is when the Bones meet in an even Line, whether is be right or circular. See HARMONIA

The third, call'd a Gamphoft, is when one Bone is fixed into another like a Nail or Peg into a Hole. See Gom-

To these three Kinds of Synarthrofts, some add several others, as Symphists, Syntenosis, and Synamensis. See Sym-PHISIS, Sc.
The Word is form'd from the Greek, sly, with, and offer,

Articulus, Joint. SYNAULIA, in the ancient Music, a Contest of Pipes,

SYNAICLIA, in the asciret Mufic, a Coneft of Fipes, performing alternative, without Singuing. Ancients had pro-perly any fach Tuing as Influencessi Mufic, that is, Mufic composed wholly for Influencess whose as Singuing sys-egotics the Parlice of the Synashis from Attenuess. See goots the Parlice of the Synashis from Attenuess. See SYNCATROCHECHM, in Logic, is used for a Word, which figuifying little or nothing of intell, yet when jumed with others, adds Poter theretos as all, nume, cer-jonied with others, adds Poter theretos as all, nume, cer-

No.

SYNCELLUS, an ancient Officer in the Family of the Patriarchs, and other Prelates of the Eastern Church. ratinarcus, and other freiates of the Laitern Church.
The Syneclius was an Enclediatite, who liv'd with the Patriarch of Conflatinople, to be a Witness of his Conduct; whence it is, that the Syneclius was call'd the Patriarch's Lye, because his Business was to observe and watch. Eye, because his Butnets was to ourser and water.
The Word, in the corrupt Greek, fignifies a Person who

lies in the fame Chamber with another The other Prelates had also their Syncelli, who were Clerks living io the House with them, and even lying in the same Chamber; to be Witnesses of the Purity of their

Manners. At length the Office degenerated into a mere Dignity;

At length the Office degenerated into a more Dignity; and there were made dynatill of Churches. At fall it is to came a "life, and was bettow'd by the Empireor on the Predicts brandities" whom they call? Predicts dynatiles, whom they call? Predicts dynatiles who the state of the Churches and th

SYNCHONDROSIS, in Anatomy, a kind of Artical tion of the Bones of the Body; being a Species of Sympto-

Sec Symphisis. ps. See Symphisis.

The Symbonizagis egnifies the Union of two Barrs by Means of a Cartilage 5 in which Manoer the Ribs are joiled to the Sternaun, and the Parts of the Os Publis to one another.

The send is form'd from the Greek, eve, with, and genders.

Can Ic W. ie W. RONISM, the being or happening of fereral "ilage. a the fame Time.

SYNCHWord is form'd from the Greek, & and XEPG.

Things.;

The happening or performing of feveral Things in equal Times, as, the Vibrations of Pendulums, &c. is properly call'd

call'd Hichronifm, the' fome Authors confound the two. See

ISCHMONISM.
SYNCOPE, in Medicine, a deep and fudden Swooning 3 wherein the Patient continues without any fenfible Hear, Motion, Senfe, or Respiration; 3 series with a cold Swot over the whole Body, and all the Parts turn pale and cold,

as if dead. as it dead.

There are Feveral Caufes of Syncopie's: 1º. Too great an Eshandition of Spirits; as after long Diete, exceffive Exactnoss, vicient Exercise, long Estinions, 10º.

1º. The irregular Motion of the Spirits preventing their dae Indus into the Parts; as founcimes happens in Fear, wash, and other violent Fallions.

Wath, and other violent Fallions.

2º. The III Constitution of the Spirits preventing their days and the spirits of the Spirits of the Spirits preventing their spirits.

o. An ill Constitution of Bloud; as in Cacochymies, or in Persons who have taken something that either dissolves or coagulates the Blood. . Secret Discases, as Abscesses, or Polypus's of the

In very numerous crouded Affemblies, People fornetimes fall into Syncopes, thro' the hot, thick, impure Air they

Some Women are liable to them upon the Smell of Musk,

Some Women are name to them upon the Smell of mark, Gret, Ed.

For Syncopies, give volstile Spirits and Aromatics, Heuristi recommends Treade Water, and Cinnamon Water and Ennuller the Volatile Salt of Vipers, Spirit of Sal Ammoniac, Oil of Ambar, and fonettimes Bleeding.

The Word is form'd from the Greek, 80s, with, and simlus,

SYNCOPE, in Grammar, is an Elifion, or Retrenchment f one or more Letters, or Syllables from a Word.

of one or more Letters, or Syllables from a Word.

As when we live y Virmin for Primmin and moment size,
As when we live y Virmin for Primmin and moment size,
Systocore, in Music, figuifies the Division of a Note;
Systocore, in Music, figuifies the Division of a Note;
Systocore, in Music, figuifies the Division of a Note;
Systocore, in Music, figuifies the Simming of Anne of the Order of Anne is fail to the Company of the Music Simming of Systocore in Vine by one half.
SYNDERSULY, in Anatomy, is functioning wid for a

Ligament. See LIGAMENT.
In Grammar, it is ufed for a Conjunction, See Con-The Word in the original Greek, surJusuis, fignifies a

The word in the original Greek, ordersials, figuifies a jurious together. SYNDIC, in Government and Commerce, an Officer in France, intruffed with the Affairs of A Give, or other Community; who calls Meetings, makes Representations and Solicitations to the Ministry, Magistracy, See, according to the Eastgency of the Case.

The Symile is appointed to answer and account for the Conduct of the Body; makes and receives Proposals for the Advantage thereof; controls and corrects the Failings of particular Persons of the Body, or, at least, procures their

particular Perions of the Hody, or, at least, procures their Correction at a publick Meeting. In effect, the Symile is, at the fame Time, both the Agent and Cenfor of the Community.

Almost all the Companies in Paris, &c. as the University, Companies of Arts and Trades, &c. have their Syndies; and so have most of the Cities of Provence and Language.

So have most of the Cries of Provense and Language.

Strans is also and for a Perion paperson to Gleist rose common Affair, whereis he himfelf has a Share; as happens particulty among fervent Centions of the language particulty among fervent Centions of the language and the Cention of the C Syndicate comes by Turn to fixteen Persons, all chosen out of

Syndicate comes by then to harren 18 and the Council of Twenty-five.

The Word is formed from the Latin, Syndicut, and that from the Greek, sirshule, which fignifies the fame Thing.

SYNDROME, from sordefun, Concurles, a Combina-

tion of Difeates SYNECDOCHE, in Rhetoric, a Figure very frequent tong Orators and Poets. See Figure.

There are three Kinds of Synesdoches: By the first, a Part is taken for the Whole; as the Point for the Scord;

Part is taken for the Whole; as the Young for the Scowy's, the Roof for the Houfe; the Sails for the Schip, Rc.

By the fecond, the Whole is used for a Part: And by the third, the Matter whereof the Thing is made, is used for the Thing itself; as Steel for Scows, Silver for Money,

To which may be added another Kind, where the Species is used for the Genus, or the Genus for the Species.

The Word is Greek, form'd of overstranger, I take toge-

SYNEDRIN, or SYNEDRION. See SANHEDR SYNERPHONESIS, in Grammar, an Union, or Collifion of Vowels, whereby two Syllables are pronounc'd as one. Sec SYLLABLE.

Tis much the fame Thing as Synalopha, or Synarofis. SCC SYNALESHA, 60%. SYNEUROSIS, in Anatomy, a kind of Articulation, or

SYNEUROSIS, in Acatemy, a kind of Articulation, or Jointer of the Bone. See ARTICULATION.

The Syneurofis is recken'd a Branch of the Symphifit; and is, when the Bones are connected together by a Ligament: as is that of the Os Femoris to the Os Ifshism; that of the Patella on the This. See Symphies.

The Word is form'd from the Grook, oir, with, and roles,

SYNOCHA, and Symochus, in Medicine, are Terms bortowed from sortyse, fuffines, I support, or hold up; or sortyse, continue, I continue. The Practice of Authors, with regard to these two Words, is whimsical enough: Lite-rally they both signify the same Thing; yet is the former ased to signify an intermitting, and the latter a continu'd See FRYER.

SYNOD, in Aftronomy, a Conjunction, or Concourse of two Stars, or Planets in the same optical Place of the Heavens, See Contunerio

SYNOD, in Church History, a Conneil, or Meeting, or Affem-bly of Ecclefiafticks, to consult Matters of Religion. See

Of these there are four Kinds, viv. General, or Occume al, where Bishops, Sc. meet from all Nations. See OLCUMENICAL

National; where those of one Nation only come together.

Provincial; where they of one only Province meet. And

Discession; where those of but one Discession meet. See CONVOCATION.

The Word is form'd from the Greek, worsels, Affembly.

SYNODALS, or SYNODIES, were Pecaniary Rents
(commonly of two Shillings) paid to the Biflup, at the Time

of the Annual Synod, by every Parochial Pricit.
For the Biftops used to hold their Dioceian Synods, and

to vifit all at once; from whence these Synasals are accounted amongst the Bishop's Procurations at this Time. connect amongst the Bibliop's Procurations at this Time.

SYNONALIS 2564; it but related and rural Deams were at
first for called, from their niforming against, and attesting the
Disfinedres of the Chergy and Foodyels in the Episcopal SynodBut when have the Chergy and Foodyels in the Chipforpal SynodBut when have the Chergy and Foodyels in the Episcopal SynodBut when have the Synody and Synody and Synody and Synody

Symbolical Witnesses, who were a Sorre impaned by Jury, confitting of a Frietl, and two or three Laymen for every Fally though at leaph two for every Discoett were annually cholers; till at last the Office came to be devolv'd on the Church-Wardens, Some think our Quest-men, who are Affistants to the Church-Wardens, were call'd Sides men, quast Synod-

men, See Sides-Afen. SYNODALE Inframentum; was the folemn Oath that thefe

Synopale. Infirmmentum, was the foltom that that their Symmical Witchies took, a so our Church-Wardens now are from to make their just Prefeatments. SYNODICAL, functioning belonging to a Synon. Thus Synofical Letters, are Circular Letters wrote by Synois to the ablent Prelates and Churches; or even those general ones directed to all the Pathinia, to inform them of

what had pass d in the Synes.

In the Collection of Councils are abundance of these Sydical Letters. SYNODICAL Month, is the Period or Interval of Time,

GYNODICAL Month, is the Period or Interval of Time, wherein the Moon, departing from the Sun at a Spand or Conjunctice, returns to him again. See Moon, Kepter found the Quantity of the mean Synodical Month, 29 Days, 12 Hont, 44 Minutes, 3 Seconds, 11 Thirds. See Month.

MONTH. This Period is also call'd a Lunation; in Regard, in the Course hereof, the Moon puts on all her Phases or Appear-

ances. See LUNATION.

SYNOD's-Men, or Telles Synadales. See Singa-man.

SYNOESIA, in Antiquity, a Featt celebrated at Aibens, in Memory of Thefens's having united all the petty Communities of Airiae, into one fingle Commonwealth; she Seat whereof was Aikens; where all the Affemblies were to be held. See LUNATION

The Feaft was dedicated to Minerus; and, according to the Scholiaft of Thucydides, was held in the Month Meta-

gittion.

TSTN Char House and Epidet applyed to a Word or

TSTN Char have been lemont, or Signification with anoment that has the bane lemont, or Signification with anoment and the significant lemont of the significant conline of Symposium Terms in the fame Periode, but this
is to conderms all Antiquity. So far is the Use thereof
ion being vicious, that 'list frequently accessing a set of

the profilm of the first sheeth out the Reimbliance of the

periodic if the first sheeth out the Reimbliance of the

periodic is first sheeth out the Reimbliance of the

prettion It the first sketch out the Retendance of the Thing it represents, the Sympoymes that follows, is, as it were, a second Touch of the Pencil, and faithes the Image. Indeed they must be used with a deal of Difference and Oc-comorny. The Silb must be raised and brighten'd, not fluid? or loaded with Sympoymnor Terms. They must be used as Charles and the scale of the Retrieffice has two seconds. Ornaments, and to render the Expression the more forcible, Systemysed on Systemysted's.

But, the Systemysted's.

But, the Systemysted Words be laudable, Systemystems

Phrafte are inexcutable: The Reason is, that two Systemystems Phraftes keep the Mind at Reft, and let it flag and

ment thrace of the languistic structure of the languistic structure of the structure of the fame Signification, are made Use of to amplify the As abitt, evafit, effigit, he went off, he efcap'd, he run

away. The Word is form'd from the Greek, ob, with, and soons.

SYNOVIA, in Medicine, a Term used by some Authors for the nutritious Juice proper to each Part. See Nutral-

Others use it for the Gout, and other Discases arising from a Vice in the nutritious Juice.

Others reftrain it to the coxing out of the nutritious Juice

theo' the wounded Parts. Van Helment defines it a kind of transparent Mucilage, like Seed, such as issues from the Legs of a Calf upon cur-

SYNTAGMA, a difposing, or placing of Things in an orderly Mannet. The Word is Greek, sirraysus

SYNTAX, in Grammar, the Conftruction or Connection of the Words of a Language into Sentences, or Phrases. See

ORD, SENTENCE, PHRASE, O'C. Or as F. Bouffer more accurately defines it, Syntax is the

Or, in F. Zweifer' more accurately defines it, Systems in the Manner of combining one Word with mother, with regard to the different Terminations thereof, preferrid by the foliate of the different Terminations thereof, preferrid by the foliate of Some Authors, as M. Friegale, of P. Condonal with MSPergy Some Authors, as M. Friegale, of P. Condonal with MSPergy The Collice of Journa, in to condition the annual Suitable-The Collice of Journa, in to condition the moder to make them agree in Geoder, Number, Perfon, Monde, 167.

To officed in any of their Divans, is called to efford againful generacy and fatch kind of Officence, where groufs is called to officed a Sadelogia and when more Highly, 3-Mirmfully. See

call'd a Subseque; and where uson engine and its contract and of Suran Asias.

The feveral Pars of Speech, are, with regard to Language, what Abaresia are with regard to a Boilding. How the part of the subsequence of the s

There are two Kinds of Syntax; the one of Concord, wherein the Words are to agree in Gender, Number, Cafe,

and Person. See CONCORD.

The other, of Regimen or Government, wherein one
Word governs another, and occasions some Variation therein.

See RECIMEN-

See RECEIMEN. The first, generally speaking, is the fame in all Languages, as being the natural Series of what is in Use almost every where, the better to difflinguish Distourie. Thus, the Difflinguish of two Nombers, Singular and Pural, has rendered it necessary to make the Solitantive agree with 

to have a Concordance or Agreement between the Sublitan-tive and Adjective, in Genders as well as Number's And for the farm Reafon, the Verbs are to agree with the Noma-and Procomain Number and Perfon. If a say Time we mere with any thing that ferms to contradict before Rela-tiva by a Figure of Speech, i. e. by baving from Word undertinoid, or by confidering the Thoughts rather than the Words themselves. See GENDER.

The Sentax of Government, on the contrary, is generally The System of Government, on the contrary, is generally arbitrary; and, on that Account, differs in most Language, for Instance, forms their Regimen by Cafe;, as the Latin and Greek others use Parsides in lica thereof; as the English, French, Italian, Sysnifo, Sec. Sec. Case and PARTICLE

CASE and PARTICLE.

One or two general Rules, however, may be here noted, which are of Use in all Languages. 1°. That there is no Nominative Case, but has a Relation to some Verb, either express do or underflood; since we never speak merely to express what we conceive, but to express what we think

without making a Shew of the Riches thereof, or heaping of what we conceive, which is done by the Verb. See NOMINATIVE-

20. That there is no Verb but has its Nominative Case 20. That there is no vero but has its Nonmarive Cale either express'd or understood; for the Office of the Verb being to affirm, there must be formething to affirm of; which is the Subject or Nominative Case of the Verb; the before

nd an Accufative Cafe

and an Accutaive Cafe.

SYNTECTOR, in Medicine, a kind of Colliquation of
the Solida of the Body for his drequently lappen in lipwhering a farty lipignoses is vaided with the Exercisest by
Stool. See Consequently and the storement by
Stool. See Consequently or expating of feveral
Things regelate as the making a compound Medicine of
forest famile lagredients, See
The World is found from the Greek sit, with, and bisn,
The World is found from the

SYNTHESIS, in Logic, &c. a Branch of Method, opposite SYSTRESIS, in Logic, Co. a Design of stress, opposite to Analysis. See Martino. In the Symbolic of Symbolic Method, we purfue the Truth by Reafons drawn from Principles before effablished or affum'd, and Propositions formerly proved 4 thus proceeding the Confusion.

of Accessed a drame them, includes observed extractions of the plant of the control of the Corclation.

Such as the Michael in Earli's Elements, and and Demoulerston of the accional Albarron of the Corclation.

Such as the Michael in Earli's Elements, and and Demoulerston of the accional Albarron over Proportions.

This Michael was also call Configuration over Proportions.

This Michael was also call Configuration, on exposition of the Configuration of the Configurat

The Word is form'd from the Greek, siv, with, and isis,

SYPHILIS, is a Term used for the Lucs Venerea. See ENEREAL

Some will have it from our, cum, with, and sulfa, Amer, or Amicitis, Love or Friendship; because it proceeds from the infectious Intercourfes of Lovers in Coition. Others will have it from the Name of a Shepherd fo called, who was remarkably afflicted with it.

However, fome Authors of Note use the Term; and Precessories a famous Italian Physician, gives it for the Title of a fine Poem, which he wrote upon that Diffemper-

SYPHON. See SIPHON.
SYRENS, SIRENES, in Antiquity, Asermaids, or certain fabulous Beings, repreferred by Oxed, &c. as Sea-monflets, with Womens Faces and Fiftes Taile; by others, deck'd

with a Plumage of the gayeft Colours.

They are supposed to have been the Three Daughters of the River Achelous; and call'd Parthenope, Ligas, and Leucolia.

Honer only makes mention of Two Syrens; but other teckon Five. Virgil places them on Rocks, where Verich are in danger of splitting. Pliny makes them inhabit the Poare in danger of thirting. Plusy makes them inhabit the Pro-montery of Minerus, near the Illand Cafpra. Others fix them in Sielly, near Capt Pelowir. Casadan fays, they inhabite harmonious Rocks; that they were channing Mondres; and that Sailors were wreck d on their Rocks without Regree, and

that Sailors were wreck'd on their Rock's without Regret, in series expirite fingureur: Dades maint Pologo Street, Expirite Def Cipter Roll, the Sailor Street, Street

Love and Music; which are the three most powerful Means of seducing Men; and hence so many Exhartations to avoid the fatal Syrens Song. Probably 'twas hence, that the Greeks fetch'd their Etymo

Probably 'twas hence, that the Green setten a twee Leymo-logy of Syrm, viz. from supd, a Chain, as if there was no getting free of their Enticement. Others, who don't look for notch Mystery in the Fable, Others, who don't look for much Mystery in the Fable,

maintain, that the Syress were nothing but certain close Places in the Sea, where the Waves whirling furiously round, feis'd and swallow'd up Vessels that approach'd them too near.

them too near.
Lallly, others allow them to have been certain Shores
and Frencentories, where the Winds, by the various Reverand and the Pattingers. This probably unighte the Chright of
the Syrvas Song, and of the giving the Name of Syrvas to
the Street Song, and of the giving the Name of Syrvas to
the Street Song, and of the giving the Name of Syrvas to
the Street Song, and of the giving the Name of Syrvas to
the Street Song, and of the giving the Name of Syrvas to
the Street Song, and the street Song, and the Street
Song, and the Street Song, and the Street
Song, and the Street
Song, and the Street
Song, and Street
Song, an of Birds.

SYRINGE, an Inftroment ferving to imbibe or fuck up at Quantity of any Fluid, and to expel the fame with vio-

lemee. The Syringe is made of a bollow Cylinder, as ABCD (Tab. Hydrolfaricks, Fig. 36.) firmfined with a little Tube at bottom, EF. In this Cylinder, is an Embody, K, made or at least cover'd with Leather, or other Matter, that easily askes Moistrace; and for filling the Carry of the Cylinder, as that so Air or Water may pass between the one and the other. This F. Water is Market P. Table Company of the Cylinder, as that so Air or Water may pass between the one and the other. This F. Water is Market P.

one and the other.

If, then, the little Tube F be put in Water, and the Em-bolas drawn out; the Water will afcred into the Cavity left by the Embolas: And upon thrulling back the Embolas, it will be violently excelled again through the Tube E.F: And still, the greater Impetus will the Water be expell'd withal, and to the greater Diffance, as the Embolus is thrust down with the greater Force, or the greater Velocity.

This Ascent of the Water, the Ancients, who supposed

This Alcent of the Water, the Ancients, who fupposed a Fleumy, artitlated to Nature's Abborrecce of Acacum:
But the Moderns, oncer reasionably, as well as more intelligibly, attribute it to the Preliation of the Atmosphere on the Surface of the Fluid. See Aia and Vacuum.
For, by drawing up the Embolia, the Air left in the Cavity of the Clylinder mult be exceedingly ratified 3 for that being no longer a Counter-balance to the Air incumbers on the

being no longer a Counter-balance to the Air incumbent on the Surface. of the Pfull g that prevails, and forces the Water rhrough the little Tube, up into the Body of the Syrings. In effect, a Syrings is only a fingle Pump, and the Water aftends in it on the Sime Principle, as in the common fuck-ing Pump; whence it follows, that Water will not be raifed in a Syrings, to a Height exceeding 31 Feet. See Pemp

and Sucrion.

SYRINGES are of confiderable Ufe in Medicine and Chi SYRINGES are of confiderable Use in Medicine and Chiragery. By them Glytters are administred: Injections of medicinal Waters, USe, made into Wounds, USe. They also ferve to inject colour d Liquors, melted Wax, USe, into the dried Veffels of the Parts of Animals, to them the Diffusion, Texture, Ramifications, USe, thereof. So its JECTION.

JECTION.

The Word is form'd from the Letin, Syrinx, Pipe,
SYROP, in Pharmacy, an agreeable Liquot, or Compofition, of a moderately thick Confiltence, extracted from
Julice, Tindletres, or Waters of Fruits, Flowers, or Herbs boil'd, and featon'd with Sugar, or Honey; and taken either

for Health or Pleasure.

There are various Kinds of Syrops, denominated from the various Fruits, &c. they are extracted from; as Syrop of Violets, of Elder, of Wormwood, of Poppies, &c. Emetic Syrops, Lienteric and Antinephritic Syrops, &c. Chologogue,

Syreps, Limetein and Anturalprinis Syreps, Sec. Caleggius, Phicaggius, Syreps, in a Syrep, then But whereout in The Syrep of Sefer is a Syrep, then But whereout in Syreps, with Jucus or Bughin, some contract from prince Falician, Suppost to be the Inventor theory. The Word, Hange derives from the Larius Syreps, or the Arbo Schried, which Signifes Patien. Others derive is from the Greb, song. I dawn, and riche Jucc, Sharen thinks the Word might come from the Greb Zueles, Syria, in regard the Ekond of Liquery were man in Ule samey. an egan used kinds or Liquots were much in Use among the Syrians, a very delicate People; the he thinks it should rather be derived from the Arabic Strapp, which fignifies the fame Thing as Syrop, or from Sark or Strab, a Potion, or Medicinel Drink.

D. Herbeles observes, that the Words Syrop, and Sherber, or Sorber, all come from the Arabic, Scharab, which figui-fies any Kind of Drink in the general. See Shear Bett.

STROP of Allemes
SYROP of Discontinu
SYROP of Capillaries
Councy of Lemon
Councy
Counc SCARLET.
DIAGODIUM.
CAPILLARIES. SYSSARCOSIS, in Anatomy, a particular Species of the Kind of Articulation call'd Symphifit. See Synt-

PHISIS.
The Syffercoft is a natural Union of two Bones, by Means of Flesh or Muscles: Such is that of the Os Hyoides, and

The Word is Greek, compounded of sir, with, and one SYSTEM, in the general, a certain Affemblage, or Chain of Principles and Concinfions: Or the Whole of any Dockrine, the feveral Parts whereof are bound together, and follow or

depend on each other.
The Word is form'd of the Greek, Zioque, Compo-

In this Scale, we say, a System of Philosophy; a System of Mostow; a System of Fevers, Etc. The Divines have framed abundance of Systems of Grace: The Systems of intermediate Science, and Predetermination, are invented to explain that of Grace. See GRACE, &c.

Among Physicians, some follow the System of Measi and Acid; others that of the sour Qualities, &c. Dr. Woodensel accounts for most Things on his System of the Bile.

Des Carres's System is held very destructive to Religion.

Des Carreiro Officer to the Active System of Atoms; which was that of Democritus, followed by Epicares, Lucretius, Ge.

that of \*\*Democritis, tonowed by Lepteuris, Laurettis, Ges. Sec Corps; Section 5.

Six flace Neutran's Doctrine of Colouts; M. Leibnicks
Protegas, and form Discouries of M. Juffen, to the Academy of Sciences, to show that there are Rodies, whose Paris demy of Sciences, to Index that Index are months, whose are not to be defined by any natural Agents; are very favourable to the System of Gassens. See Arom.

Experiments are the Materials of Systems; An Infinity are

Experiments are the Materials of Syjess: An Infinity are required to build one. See Experiment.

System, in Altronomy, an Hypothefis or Supposition of a certain Order, and Arrangement of the feveral Parts of the

Universe; whereby Aftronomers explain all the Phanomens, or Appearances of the heavenly Bedies, their Motions, Changes, See, call'd, aifs, the System of the World, and the Sator System. See World. Sylless and Hypothelis, have the fame Signification; unless,

System and Hypothetis, have the fame Signification; unleds, perhaps, Hypothetis to a more particular System 5 and System a more general Hypothetis. See Hypornass. Some late Authors, indeed, furnish a freither Distinction of An Hypothetis, fay they, is a mere Supposition, or Fixtions, founded rather on Innegiation, than Reason: A System is Some late Autores, induced, turnsiti a trether Littuations. An Hypothesis, fay they, is a mere Supposition, or Fictions founded rather on Imagination, than Reason: A System is only built on the firmed Ground, and mised by the feverest Rules: "Tis founded on Astronomical Observations, and Physical Caufes, and confirm'd by Geometrical Demonstra-

The most celebrated Systems of she World, are the Ptolo-maic, and the Copermican; to which may be added, the Tychanic: The Occonomy of each whereof, is as follows;

Tylements: The Occompy of each whereof, Is a fallows; "Probanus Stress place the Erink Reft, in the Conrect of the Universe; and makes the Haven revolve round the Stress of the Conference of the Conference of the Universe; and makes the Erick Reft of the Erick Reft of the Conference of the Confere Copernican System, places the Sun at reft, nearly in the Centre of the Softem a excepting for a vertiginous Motion about his own Axis. See Sun.

about his own Axis. See Sure.

Around him, more from Woft to Eaft, in feveral Orbits, fifth Moreary, then Venus, the Earth, Mors, Jupiter and Sature. See PLANEY.

About the Earth, in a peculiar Orbit, moves the Moon a accompanying the Earth, in its whole Progrets round the Sun. See Moon.

And after the same Manner, do four Satellites move round Jupiter; and Five round Saturn. See SATELLITES.

Spilier, and Twe neard Spirier. See Expression 2.

Athwart the planest Spirier do the Counte move road the Sun, only in very occurried Orbits, probably Parabola's, and the Sun, only in very occurried Orbits, probably Parabola's, and a sun formed Spirier. See Spirier Spirier, are the first Strin, which have all a proper Motion from 1987 to 126. See 5 viz. 26. Spirier. Spirier, and the little Relation the spirier to be row, being reported on mrower Bounds: The Strin, by their immonit Dilatons, in the little Relation the spirier to be row, being reported on Part thereof. This highly probable, that each Sun, is, it fell, which is the spirier by the road of the Spir

World, and the Inarrentity thereof: Hence arrise a Sylven or Sylpens. See Universals, the deficition, it is most inscine in the World. "Furst the first that we know of, introduced into Green and Landy by Pythologories Sylvens, it was not made and Ages, it was actiful the Pythologories Sylvens, it was actifued the Pythologories Sylvens, it was actifued the Pythologories Sylvens, it was actifued to the Pythologories Sylvens, it was actifued as a support of the Pythologories Sylvens, whence is new Appellation, of Sylvensium Sylvens, see Corrantons, one control of the School Control of the Pythologories Sylvens, see Corrantons, one for the School

For the Occasions of the Copernican System; for the Scheme theroof, Tab. Altronomy, Fig. 44. Tychonic System, in most respects, coincides with the Coper-

stream except in this, that, fupposing the Earth to be fix'd, its Orbit is omitted, and in lieu thereof, the Sun's Orbit is drawn round the Earth, and made to interfect the Orbit of Mars; that Mers may be nearer the Earth than the Sun. Mars; that Mars may be nearer the Earth than the Sun But as there is not any Reafun, or Foundation in Nature, for But at there is not any Reafun, or Foundation in Nature, for find a manifeld Sills; and at the Author was only led thereo, from a silperalitions Perliadion, that to disposite the San at Reaf, and the Early to more, it concepts of the Perliadion o

not contound the two Systems. It he resources Grie, indeed, is the Gayer and more Figurative; but a Pagan God makes but a miferable Figure in a Christian Poem. The System of Poetry, Benkeurs observes, is, itself, wholly Fabulous and Pagan. System, in Mufic, a compound Interval; or an Interval composed, or conceived to be composed, of several lesser; such

Syrayat, in Madic, a composed loterval or an Interval composed, for concern of the composite, of Sevent latter; factor of the composite, of Sevent latter; factor of the Composite of Sevent latter; factor of the Marie Lawrent, and Composite one Agine.

The Word is borrowed from the Ameient, who cell a fingle learners, a learner of the Marie Lawrent for the Composite of the Compo entroits.

There are feveral DiffleClions of Systems; the most re-markable is, into Castimons and Incantinous. Continuous Systems, are those constiting of the Parts, as are fit for Mulic, and those Parts, placed in faich an Order between the Extremes, as that the Succession of Sounds, from one Ex-treme to the other, may have a good Effect. See Cox-

CINNOUS.

CINNOUS.

Associations Syftems, are those, where the simple Intervals are Inconciumous, or ill disposed between the Exercises. A System, again, is either Particular or Univerful. An moiverful System, is that which contains all the particular Systems belonging to Music, and makes what the Anticuts call the Disposiumon, and we the Scale of Music. See Scale.

The Ancients alfo diffinguish Systems into Perfett and Interfect. The Disdispason, or double Octave, was reckon'd the perfect System, because within its Extremes, are contained Examples of all the simple and original Concords, and in all the Variety of Order wherein their concinnous Part ought to be taken; which Variety conflitutes what they call the Species be taken; which Vancey conflitutes what they call the Species or Figures of Conference.

All the Syspens, leds than the Distinguish, were reckned Laskerfeit.

The double Others was also called the Systems Maximum.

Imperfeit.

The double Other was also called the Systems Maximum, and Immutatum 3 because they took it to be the greatef Extent of Difference of Time that we could go in making Medody a though some added a Fifth to it, for the gruent Systems : But the Dapastion, or simple Others, was recked at the most perfect, with relief to the Agreement of its Extreme 3 for that how many Octave Sorrer ware put in the greateft System, they were

World, and the Immensity thereof: Hence arities a System of Systems. See UNIVERSE.

See UNIVERSE.

See The definited. Is the most ancient the most ancient the second of t of, conflicted the Genera Meladia, which were fub-divided

of, continued the Genera Abidoas, which were fibeliance, in Modelians, the Contraction of the Heart STATE of the Heart I was a transfer of the Heart I was a transfer of the Heart I was the Modelians of the Heart General STATE of the Heart General STATE of the Heart General Modelians of

forcibly experfed into the Onlines of the Anteries. See Must Chair we all the Excess's Occuration of the Heart, when exposite State to which is call'd the Displays, or Distantion of the Heart. See Displays Chairman of the Heart. See Displays Chairman of the Heart. See Displays Court from the Online of the Heart could be of the Heart of the H

Silling.

Silling.

SYATON, in Adroxomy, a Term equally utild for the Conjunction and Opposition of a Plante with the San. See Conjunction and Opposition of a Plante with the San. See Conjunction of the Plante World is formed from the Growt, Google, Gospitzific, On the Planten of term the Growt, Growth, Growth, Growth, Charles and Conjunction of the Con

Quadraneas, the Addition of Gravity is no have whole Gavity is a 10 18/35. See Quanta Trust,

2º. In the Sysogist, the disluthing Force is directly as the Diffuser of the Indoor them the Earth, and invertely as the the Sysogist, the Gilvering Force is directly as the the Sysogist, the Gravity of the Moon towards the Earth, recreding from in Cente, in more diminifold, than according to the invested Ratio of the Sysaes of the Diffuser feat Sysays, the Gaptaneas, the Gravity of the Moon from the Sysyays to the Quadrature, the Gravity of the Moon for the Gaptaneas of the Gaptaneas

See Gn.x1vv.

§' Fattber, in the Syngjier the Moon's Orbit or Clade round the Earth, is more course than in the Quadranuers for which Readon the Moon is led fidther from the Earth's the former than the latter. When the Moon is to the Gypt gids, her faffille to publicavaler, or are entrogende. See the Third the Common is to the Gypt gids, her faffille to publicavaler, or are entrogende. See the Third the Common in the Gypt gids, her faffille to in the Gypt gids, the Nodes more in When the Moon is in the Gypt gids, the Nodes more in common faffill, then flower and flower; all they see come entering the Robot in the Robot is in the Quadrature. See

Laftly, When the Nodes are come to the Species the Inclination of the Plane of the Orbit is leaft of all. See In-CLINATION.

Add, that these several Irregularities are not equal in each Spriggs, but all somewhat greater in the Conjunction than the Opposition. See DISTURBING Force, Se.

A Confonant, and the ninetcenth Letter in the A Contonant, and the mnetcenth Letter in the Alphabet. See LHTYER.

The T, in Sound, bears a near Refemblance to the D, for which Reason they are often put for each other; and Monthless even railies those who farapled to write the one indufferently for the other; as at for as, for

write the one indifferently for the others as as for as, for for feel, hauts for hand, Ee.

The T is one of the five Conformants which the Albbet & Dangener calls Palestal, and which are D-T, G-K, and N:
The four first whereof have the same Relation to each other, as the Labials B-P and F-P have. D, for Instance, baring the same Relation to T, that B has to P, or Y to F. Son PAGATAL.

PAGATAL

Seem 4, for 4, the fame Author observes, is a Letter of a strong

Seem 4, for that a feeble one cannot be pronounced before

ir: Thus ro too, the Supple of 1989, the F of 1100

changes the b, and strengthens it to the Sound of a c, fo

we fay relians; as in the pteterperfect Tenfe rexi, that we fay relians; as which we pronounce rekfi. Tamong the Ancients was used as a Numeral Letter, figuifying 160; according to the Verse,

#### T quoque centents & Sexaginta tenebit.

When a Dash was added a top, thus, T, it signify dido, ooo-when the Tribunes approve of the Decrees of the Se-nate, they testify d their Confent by subjectibing a T. T, in Music, is sometimes used to mark the Tenor. See

"In Jin Mode, it foundtiese used to mark the Tenor. See Transa.

1. Markey, it foundtiese used to mark the Tenor.

1. Markey of the Markey of the Markey, he Markey, not admirted to the Benefit of the Clergy, flat be marked within, on the Benero of the left Thomb. See Struck, and the Markey of the left Thomb. See Struck, and the Markey of the Community of the Community of the Markey of the Markey of the Community of the Markey of the Markey of the Community of the Markey of

still 3 and it to be cause on the 11 and to 51, 2010 100 17, the condy to finew that he was an Abbet.

TABACO. See Tonacco.

TABBY, in Commerce, a kind of coastle Taffary, water'd. It is masufictured like the common Taffary, excepting that 'tis litenager and thicker both in the Woot and Warp. See Tarpary.

See Tapaary.

The Watering is given it by means of a Calender, the Rolls whereof are of Iron or Copper, variously consuce, which bearing suequally on the Stuff, reader the Surface thereof unequal, io as to reflect the Rays of Light differently. See CALENDRA.

TABBITING, the patifing a Stuff under the Calender, to make a Repredentation of Water thereon, is on a Tabby.

OC CALENDER.

See CALENDER.
"Tis usual to tabley Mohairs, Ribbonds, Sc.
Labbying is perform'd without the Addition of any Water
or Dye; and furnishes the modern Philosophers with a
fitting Proof, that Colours are only Appearances. See

TABELLA, or TABLETTE, in Pharmsey, a folid E-lefbary, or Composition of several Drugs, made up dry, and form'd into little Squares; more usually call'd Lesenger.

and ferrird into little Squares proce unfully call'd Livingri.

Beautical Confection, Plants, Statt, Eg. are diffieldly,
in Sugar, and made into Viziole's as tobic of the Juice of
Livingrian and the state of the State of the Juice of
Livingrian and the Livingrian and Confection and Confecti

75. Mearins. Xe did the two differ in this; that the Notaties only drew up, and kept the Minutes of Ad's and Initrometits on Paper, and in Notes, or Short-hand; whereas the "Sidelili-ent delived them engogist do Parchment, in full executory Form. The fame pet the Seals to Contracts, and renderd them authentic.

The Doneitic Clerks of the le Thiellisms, who, at first, wrote under chem, in Proctic of Time came to be called Notation, See Norman to the Thiellisms of Rome of the Company of the Thiellisms of Rome of the Doneitic Company of Command the Thiellisms of Rome of the Doneitic Command of the Command of the Command of the Command of the Thiellisms of the Th

seins i, for Signatures were one then in 'Use. See State-State Communication of the Communica

The Week is form'd from the Initial Talemandum, a Tent. Reful of Thansanceas. See Science 12.0.

Reful of Thansanceas. See Science 12.0.

Reful of Thansanceas. See Science 12.0.

Reful of Thansanceas. See Science 12.0.

Reful of The Initial Scien

to Vene

tion to Venery.

The Patient has neither a Pever, nor Lofs of Appetite 3 but a Senfation, as if there were a Number of Pfinites running from the Head, down the Spinal Marrow 3 and Marrow 4 and the he evacuates, either by Urine, or Stool, there flows a liquid Marrow 11 before.

he evacuates, either by Usine, or olong, these heavy, and his Matter like Semen.

After any violent Exercise his Head is heavy, and his Ears tingle; and as length he dies of a Lipyria, i.e. a Fever, where the external Parts are cold, and the internal burn as

Anteringo; a food in cogin in each of a Lypyna, L.A., a Everg, L.A. a Everg, L. and the inner time. See ELT-FRAIS.

TABLEA I UNE, in Shationy, a Division or parting of the See Electron of the Company o

TABLE, Tabula, a Morenble, studie under of Wood, or Obene, Gruperock on Filters, or the Lies, for the commendation of Filters, when Lies, for the commendation of the Stock Beach of the Tabernache for the Lysing of the Stock Beach on July 18 to 18

room among the bravelf of the Nation.

The Raund Table, which gave them their Title, was an Invention of that Prince, to avoid Diffutes about the upp-rand lower End; and to take away all Emulation as to Place.

Lefty affores us, he has feen the Table at Winchester ; At leaft, tays he; if we may believe the Keepers thereof, who fill flew it with a deal of Solemnity. He adds, that the Names of a great Number of Knights wrote around it, form to confirm the Truth of the Tradition,

Larrey, and feveral other Authors, make no Scraple to relate this Fable, as Matter of Hilbery; but that 'tis Fable is certain; F. Papulroch having shown, that there was no fuch Thing as an Order of Knights before the Vlta Cen-

Cambden observes, that the Table at Winchester is of a Combien observe, that the Table at Finiciples to its armount make modern than the Vini Coccury. The resultant much more modern than the Vini Coccury. The resultant much make the resultant for s that for the resultant forms for the resultant forms fars, reas under the Empire of Frederic Barbergis, that the Empire of the Result Table full began for the Resultant full began for the Resultant for the Resultant full began full began full began for the Resultant full began full bea

to be talk'd of: Others attribute their Origin to the Factions of the Guelphs and Gibellins. K. Edward built a House call'd the Raund Table, the Court whereof was 200 Foot in

TABLE, in Architecture, a finouth fimple Member, or Ornsment, of various Forms; but most usually in that of a

A Projecting Table, is fach a one as flands out from the Naked of the Wall, Pedellal, or other Matter it adorns. - Raked Table, is that which is hollow'd in the Die of a Pedefial, or elfewhere, and which is ufually encompaied with a Moulding. Rezed Table, an Emboffment in a with a mounting.— Resect table, an Emboliment in a Frontifistee, for the putting an Infertition or other Ornament in Sculpture. This is what M. Perrants anderstands by Mounts in Virtualist.— Crown'd Yable, that covered with a Cornice, and wherein is cut a Baffor Relievo, or a Free of black Marbie inervalated for an Infertition.—

Products of Action the mixture is nyther and the Conference of the Conferenc Rufficated Table, that which is pick'd, and whole Surface ems rough, as in Grotto's, &c.

Plain Table, a Sorveying Instrument.

TABLE, in Perspettive, is a plain Surface, suppor'd to be

See PERtransparent, and perpendicular to the Hurizon. "Tis always imagin'd to be plac'd at a certain Distance between the Eye and Objects, for the Objects to be repre-ferred thereon by means of visual Rays passing from every Point thereof, thro'the Table to the Eye.

Point thereof, theo' the Table to the Eye.
Whence it is also call? Perspective Plense. See Plane.
Tarle, in Spaceway. The Cranium is faid to be compored of two Zables, or Laminez, i.e. 'tis double; as it is consisted of two Boose, laid one over another. See Caa-

Table of Pyrkagarst, call'd also Multiplication Table, is a Square, form'd of an hundred letter Squares, or Cells, containing the Products of the feveral Digits, or fimple Nombers, multiply'd by each other. See MULTIFLICATION.

As 'tis abfolutely necessary, those who learn Arithmetic have the several Multiplications contain'd in this Table, off

by Heart; we have thought fir to subjoin it here : with an Example, to flew the Manner of using it.

TABLE of Pythagoras, or Multiplication Table.

| _   | _  | -   | _  |     |    |     | _   |       |          |
|-----|----|-----|----|-----|----|-----|-----|-------|----------|
| 1   | 2  | 3   | 4  | 5   | 0  | 7   | - 8 | 9     | 10       |
| -   | -  | -   | -  | -   | -  | -   | -   | Miles | -        |
| 2   | 4  | 6   | 8  | 10  | 12 | 14. | 16  | 18    | 20       |
| -   | -  | -   | -  | -   | =  | -   | -   | -     | -        |
| 3   | 6  | 9   | 12 | 15  | 18 | 21  | 24  | 27    | 30       |
| ren | -  | -   | -  | -   | -  | -   | -   | -     | -        |
| 4   | 8  | 12  | 16 | 20  | 24 | 28  | 32  | 36    | 40       |
| -   | -  | -   | -  | -   | -  | -   | -   | -     | -        |
| 5   | 10 | 15  | 20 | 25  | 30 | 35  | 40  | 45    |          |
| -   | -  |     | -  | 1-  | -  | -   | -   | -     | when     |
| 6   | 12 | 18  | 24 | 30  | 36 | 42  | 48  | 54    | 60       |
| -   | -  | -   | -  | 1-  |    | -   | -   | ~     | -        |
| 7   | 14 | 21  | 28 | 35  | 42 | 49  | 56  | 63    | 60 70 80 |
| _   | -  |     | 1- |     | -  | -   | -   | -     | -        |
| 8   | 16 | 2.4 | 32 | 40  | 48 | 56  | 64  | 72    |          |
| -   | 1- | I — | -  |     | -  | -   | -   |       | -        |
| 9   | 18 | 27  | 36 | 45  | 54 | 63  | 72  | 81    | 90       |
| -   | 1- | -   | -  | -   |    | -   | -   | -     | -        |
| 10  | 20 | 20  | 40 | 100 | 60 | 70  | 180 | 00    | 100      |

Example: Suppose it were required to know the Product of 6 malitylyd by 8: Look for 6 in the first borizontal Column, beginning with 1; then look for 8 in the first perpendicular Column, beginning with 2; then look for 8 in the first perpendicular Column, beginning likewise with 1; the Square or Cell wherein the perpendicular Column from 6, meets with the horizontal one from 8, contains the Product requir'd, viz. 48.

Louis of the Twelve Tables, were the first Set of Laws

of the Ramans; thus call'd, either by reason the Ramans then wrote with a Style on thin, wooden Tables, coverd with Wax; or rather, because they were engraven on Tables or Plates of Copper, to be exposed in the most noted Part of

Place of Copper, to be exported in the more notice part of the public Forum. See Law.

After the Expulsion of the Kings, as the Remonst were than ample enough to take in the various Costes that might fall between puriosite Perform; twent relived to adopt the ball and wilest Laws of the Greeks. The Computer of the con-

and wife! Laws of the Greeks.

One Hermodern's was fifth appointed to Translate them;
and the December's distributed compiled and reduced them
into Ton Yebles. After a world of Care and Application,
they were at length enacted and confirm dby the Senate, and
an Affembly of the People, in the Year of Rowe 303.

The Library Very below the Care of Rowe 304.

an Antennoyor the Feople, in the Year of Rows 303.

The following Year, they found fone Things wanting therein, which they fupplied from the Laws of the former Kings of Rows, and from certain Cafforns, which long Us had authorized; a thefe being regreen on Two other Fables, made the Laws of the Vocelve Tables, fo famous in the Rowson Confederation of the Vocelve Tables, for famous in the Rowson Confederation of the Vocelve Tables, for famous in the Rowson Confederation of the Vocelve Tables, for famous in the Rowson Confederation of the Vocelve Tables, for famous in the Rowson Confederation of the Vocelve Tables, for famous in the Rowson Confederation of the Vocelve Tables, for famous in the Rowson Confederation of the Vocelve Tables, for famous in the Rowson Confederation of the Vocelve Tables, for famous in the Rowson Confederation of the Vocelve Tables, for famous in the Rowson Confederation of the Vocelve Tables, for famous in the Rowson Confederation of the Vocelve Tables, for famous in the Rowson Confederation of the Vocelve Tables, for famous in the Rowson Confederation of the Vocelve Tables, for famous in the Rowson Confederation of the Vocelve Tables, for famous in the Rowson Confederation of the Vocelve Tables, for famous in the Rowson Confederation of the Vocelve Tables, and the Vocelve Tables, for famous in the Rowson Confederation of the Vocelve Tables, and the V 

strial Lewis, those we change and them, See Discontinuous and them, See Discontinuous and them for program of Law should have perillied this strength of Timer. We have, now, nothing of it, but a few Fragments dispersed in divers durthers. J. Goldstria is a few Fragments dispersed in divers durthers. J. Goldstrian for collected them together, and we have that in Acidem's rad former other Authors. The Lexin is very old and bathouse, and remarkably to the Lexin is very old and bathouse, and remarkably to the Lexin is very old and bathouse, and remarkably to the Lexin is very old and bathouse, and remarkably to the Lexin is very old and bathouse, and remarkably to the Lexin is very old and bathouse.

New TASLES, Tabule Nove, an Edict occasionally pub-listed in the Roman Commonwealth, for the abolishing all Kinds of Debts, and annualling all Obligations.

It was thus call'd, in regard all antectdent Acts being deftroy'd, there were nothing but new ones to take Place. centroy d, there were nothing but new ones to take Place. Tall, a suncey feecaliers. A Table Diamond, or other precious Stone, is that whose upper Sorfice is quite flat; and only the Sides cut in Angles : In which Sorfic, a Diamond out Table-easily is used in opposition to a Diamond cut Facerwife. See DIAMOND

See Drawonn.
TARES of Gelfs. See Care of Gelsft.
TARES of Gelfs.
TARES of Gelf See Concordance.

TABLE Rents. See Born Londs.

TABLE of Houses, among Altrones, are certain Tables ready drawn up for the Affiltance of Prachitoners in that Art, for the creding or drawing of Figures or Schemes.

TABLES, it Malletomatick, are certain Systems of Numbers of the Schemes.

bers, calculated to be ready at Hand for the expediting Aftronomical, Geometrical, Sc. Operations.

Altrosomical, Geometrical, Écé. Operations.

Afromanical Tansas, na Computation of the Modern

Places and other Phenomeno of the Planes, both Primary

and Sheemalays, See P. Jansay, Servatary and Mosou.

The Primary of Planes of the Planes, both Primary

and the Reverse. See Passays, Servatary and Mosou.

In 1252, Afforder XI. King Line of Longer agree with

the Reverse. See Assacratory.

In 1252, Afforder XI. King Colff, understook the

International Colff, and the Colff, understook the

Afforder Tallet, no which that Prince himself profit is Prince.

Prince.

But the Deficiency of these was soon perceived by Par-backins and Regiomorrouss; apon which Regiomantman, and after him Waltherns and Womerus, applied themselves to coelestial Obstervation, for the further amending thems and atter him Watterns and Wenerus, appace teemsteve to coelettial Observation, for the further amending them; but Death prevented any Progress therein. Cofernicis, in bis Books of the Caeletial Revolution, in-fleed of the Alphenheu Tables, gives others of his own Cal-culation from the lazer, and partly from his own, Observa-

From Copernicus's Observations, and Theories, Fras. Rein

From Optimizario Obiervation, and Theories, Poef, Reie-bidia stiercourds compiled the Praesian Talles, which have been primed formal Times, and in feweral Pittees. "Fight & Brade, onen in his roads, and the second of the Pittee of the Pittee of the Pittee of the Pittee of the termined him to apply himself with 16 much Vigore to Car-cidid Observation. Tot all he did theory, was to adjust the Mexicos of the Sun and Mone; though Leopassations, from the fange, not through the feweral Finestine William of the Pittee of the Pittee of the Pittee of the bill of the Information of the Pittee of the Pittee of the Bill of the Information Desiry Volley; and Kyleri Bleevile, from the fange, in 16-5; wohlich the Readshirtz Ediles." from the same, in 1627, publish'd the Ruselphine Tables, which are now much efferm'd.

Their were afterwards, Amus 1650, turned into associate from, by Maria Cavitta, while Altrasonical Tables, compercioning the Elitoid of Replane Physical Hypothesis, and associate the American State of the Part of the American Cavita and Translation of Logarithan is often the Randighton Goldanie in Ser gazzyl improved.

After arter made a like Attempt in his Articoconical Inflitution, publish in a folicy and the Energyl in particular whose Abringment of the Randighan Valdet was period to a Laton Version of Darris Agriconica Cantina, publish in a Carter Agriconic Cantina, publish in Service Agriculture Cantina, publish in Service Cantina, publish in Se

a Latin version of Street I syromomic Lawsins, paining in 1795.
Lamburgiar, indeed, endeavour'd to differed in Russi-phin Tables, and fram'd perpetual Tables, as he calls them, of the heixenly Motions; but his Attempt was never much regarded by the Aftronomes; and our Country-man Horrox, give an abundant Check to his Arrogance, in his Defence of

give in abundant Check to us arrogouse, in us about the Kefelrian Africanny. Nor was the Authority of the Rudolphin Tables impired by the Philades Tables of Bullialans, the Brinneaute Labes of Vincent Wing, calculated on Bullialars's Hypothetis, or the Britanni's Bables of Severas, or the French cons of the Count also Vigens, or the Caroline Tables of Series, all cal-

callated on Dr. Batta's Hypothesia; or the Nevalinagilite Tables of Riccident.

Among their, however, the Philosate and Caroline Tables are effected the belt; informed: that Mr. Whitton, by the Advice of Mr. Flamilited (a Person of undoubted Authority in tack Cales) thought fit to fullyon the Caroline Tables to

his Aftronomical Lectures.

The lated Fables, are the Lindsvicious, published in 1702, by M. de la Hire, wholly from his own Observations, and without the Affishance of any Hypothesis, which before the Invention of the Micrometer, Telescope, and the Pendulum Charles and Micrometers, Telescope, and the Pendulum Charles and Micrometers and Charles and Micrometers.

Invention of the Micrometer, TeleGope, and the Pencilian Check, was held impedible.

Another Set of Tellor, the Micrometer Weld in adults.

Another Set of Tellor, the Micrometer Weld in adults.

Another Set of Tellor, the Micrometer Weld in adults.

The Telectrocking to people file the Poblic the Intervent Weld in the Pencil Tellor and the Pencil State of Advancemy, will here to be an any Body that that their Newlor. The Author's Nime, and the perfect State of Advancemy, will here to be like the Pencil State of Advancemy, will here to be suffered to the Pencil State of the Weld State of the Weld State of Advancemy, will here to be suffered to the Pencil State of the Weld State of Tellor Weld State of the Weld State of Tellor Weld State of Tellor Weld State of the General State of the State of the General Sta

Laxadromick TABLES, Tables of Traveries, used in Na-vigation for the easy and ready Solution of Problems, and Cales therein. See TRAVERSE.

capation for the soft real reason, we astrong, used in Na-Gin stereds. See IT AVEAU.

TABLE, in Hendry, Costs, or Efectionous, centricing nothing but them Colour of the Field, and not charged with any Bernder, and the Colour of the Field, and not charged with any Bernder, in Conference of the Colour of the Field and the Colour of the Field and Table IT. TABLET, in Patrices, etc. See Trans.

TABLET, in Patrices, etc. See Trans.

"TABLET, in Patrices, etc. See Trans.

"The Die door by the Chicosyabee of the First of the Common Piece, where every Day of the next Trans, since of the Common Piece, where every Day of the next Trans, since of the Common Piece, where every Day of the next Trans, since of the field of the common Piece, where every Day of the next Trans, since of the field Colour, and the patrice of the field Colour, and like with editions to the Serial of each Country, a Common of the field Colour, since Serial of each Country, and like-with editions to the Serial of each Country, and like-with editions to the Serial of each Country, and like-with editions to the Serial of each Country, and like-with editions to the Serial of each Country, and like-with editions to the Serial of each Country, and like-with editions to the Serial of each Country, and like-with editions to the Serial of each Country, and like-with editions to the Serial of each Country, and like-with editions to the Serial of each Country, and the Serial of each Country and the Serial of the Serial of each Country and the Serial of the

Pretense:
TACAMACHA or TACAMAHACA, a kind of refrom Gum, diffilling from the Trunk of a very large Tre,
growing in New 390-13 bei, in greated Hundanne, in the
filand of Matagajam. See Gest.
"Tis not neithe our Poplar Tree, only bigger and tiller,
its Lexuse froil and green, is Fruit vol, of the bine of our
Walmart, exceedingly Refrom, and centaining a Some like

our Peaches.

our Fesches.

The Wood of the Tree makes good Timber for Ships, and the Gam it yields, ferves for their Caulking; though its chief Ule is in Medicine.

There are three Kinds of Tecamacha; the Sublime, call'd allo Tecamacha in the Mails; and Tecamacha in the Mails; and

Tacamacha in Tears.

\*\*Zacamacos in Tesrs.

The First, is the natural Refin, as it falls of itielf, without any Incificen made in the Tree: The Good is day, reddiffy, transparent, or a biner Tatte and a strong Smell, refembling that of Lavender. The Handers gather it in little Goards cut intwo, and coverd with a Palm Less.

The Tacamachus in Tears, and in the Mafi, are those which flow from the Tree through locifions: They must be chosen dry and clear, and their Smell refembling that of the first Kind.

first Kind.

Gunn Zetzensteht is found good for digetting and refleiving
of Turners, and altituding Fairs. Burnt upon Gosh; his
poiled to the Edyl in found of a Burnt upon Gosh; his
poiled to the Edyl in found of a Buritan, and likewise poiled to the Edyl in four and a Buritan, and to the Naze of the Noxe
for Pairs in the Head, Definitions of Rikum upon the
Taront, and Inflammations of the Eyes, as also in the Torch
exist. It is of 6 follower and promisers, as Novem, that is of
the Head and the State of promisers, as Novem, that is of
point a superior of the State of the State of the State
of the State of the State of the State of the State
of the State of the

perfet lumours; and is accounted circums, over its which are Scrophulous.

It is likewise used externally in Architects Plans, with Success in effect, the Incient wie it for all Kinds of Pains. Schrafer affirms, That he has feen intolerable Pains in the Leg removed by it.

TACHEOGRAPHY, or TACHYGRAPHY, the Art

Leg removed by A. Bell's, or TACHYCRAPHT, the Art of this or there was a sum of the order order of the order

Yearse, writing.
TACK about, in Navigation, a Term used at Sea when a Ship's Head is brought about, so as to lie the contrary

Stupp. Head is brought about, to as to lie the contrary.

To effect this, then of it make her flory which done, the
is find to be faul. They then let refy and dade, i.e. let the
is find to be faul. They then let refy and dade, i.e. let the
study to the study were before.

TACKLIK, or TACKLING, in Navigation, healthe all
the layers of contragge of a Silty, which their furniture,
TACKLIKS in a Silv, are fund it Royer arming in three
TACKLIKS in a Silv, are fund it Royer arming in three
TACKLIKS in a Silv, are fund it Royer arming in three
TACKLIKS in the Silv, are fund it Royer arming in three
TACKLIKS in the Silv, are fund it Royer arming in three
TACKLIKS in the Silv, are fund it Royer arming in three
TACKLIKS in the Silv, are fund it solved friend on
Hooks to hang Goods upon, that are to be heavy distort
the silv, are silved in the silv, are silved in the
Tacklik beinging to the Mails, ferrings a Silved's to the Tacklik
Tacklik beinging to the Mails, ferring as Silved's to be the with
the Silved's the silved of the Silved's the silved in the
Tacklik beinging to the Mails, ferring as Silved's to be the wind
the Oblumes are boiling in and our 1. Her
Tacklik the Silved's the Silved's the Silved's to the Silved's the Silved's the
Tacklik beinging to the Mails, ferring the silved's the Silved's to the
Tacklik beinging to the Mails, ferring to the Silved's to the
Tacklik beinging to the Mails, ferring to the Silved's to the Silved's the
Tacklik beinging to the Mails, ferring to the Silved's to the
Tacklik beinging to the Silved's t

Tarke, and the Burnett. See BURNETT.

TACTICKS, the Art of difforing Forces in Form of
Battle, and of performing the military Motions and Evolutions. See Evolution.

Thosa. See Evolution.

The Greeks were very skilfal in this Part of the military Art, having publick Professors of it, call'd Tattle, who taught and instructed their Youth therein. Æstan hath a particular Book on this Subject; and there is a great deal of it in Arrian, in his Hillion of Alex. Ali and in Masuritats, and Leo Imperator

Voffins de feient, Mathemat, mentions 24 ancient Authors on the Subject of Tacticks.

The Word is form'd from the Greek = \$\pi\_{\mu}\$, Order.

The Work is family from the Greek weign, Order, TACTICA, as I said the time Are of investing and make TACTICA is a I said to the Care of investing and make Arrows, Stones, Fisch-bills, girk by mense of Sings, Boon, All Counter-police, See MacRIES. A Marches of Sings, Boon, and Counter-police, See MacRIES. A March Machiner, and we have them deferred and designed by Julyton. TACTIL, or TACTIL, o HEAT, COLD, HARDNESS.

TACTION in the Schools } See {FRELING.

TÆNIA, or TENIA, in Architecture (from the Greek resus, a Bandelet, or little Band, call'd by the Lasins Vitta, Feßis, Zons, and Cornes), a Member of the Doric Architerave, refembling a figure Fillet, or Ruler, and ferving in lieu of a Cymntian. See Doate and Cymntyum.

Zimbary cells it Lifet; but Pallatio utes the old Name

Tenia, See LISTEL.

Temis, Sec Lavrat.

"Philistate fray, total in the Man and somethy the Proposition of the Proposition of the Proposition of the Proposition of the Triglypin, Lean Baphill, Milleria calla the Temis, Regules and Epicity, Lean Baphill, Milleria callatte the Temis, Regules and The Proposition of the Man and Temis of the Control of the Proposition of the Pro

See SELK and STUFF

There are Tafferies of all Colours; and flriped with all Kinds of Stuffs, as Gold, Silver, Silk, &c. others checquer'd, others flower'd, others in the Chingle Point, others the Hungarian; with various others, to which the Mode, or the Caprice of the Warkmen give such whimsteal Names, that it would be as difficult, as 'ris wielets', to reheard: them r-befieles that, they fieldom hold beyond the Year wherein they

The old Names of Taffesies, and which still subfist, are Taffesies of Lyons, of Spain, of England, of Florence, of Arignum, &c.

The chief Confumption of Tafferies is in Summer Dreffes for Wamen, in Linings, Scarves, Coifs, Window-Curtains,

There are three Things which contribute chiefly to the Perfection of Taffstier, evs. the Silk, the Water, and the

The Silk is not only to be of the fineft Kind, but it must

The Sik is not only to be of the hneft Kind, but it must be work'd a long time, and very much, e'r it be nifed. The Watering, befide that it is only no be given very lightly, feems only intended to give that fine Luftle, by a peculiar Property nor found in all Waters. Laftly, the Fire, which is puffyl under it not by the Water, has ins puritual Manner of Application, whereon the Perfection of the Stuff depends

very inch. As you of Lours, in head the first further of the MOLERN As you of Lours, in head the first further of the the Coxfine of it. Offants, it from a going backwards in the Coxfine of it. Offants, it from a going backwards in the World, and not had been converted in the control of the are maning pear of it brivenes his Torch. a<sup>2</sup>. From his having wet It with his Saliva, which had fenerching gluinous in it: And g<sup>2</sup>. From its having been hearded by the natural worth of his Mouth. All it his he excured upon the heard Varieth he made; and immediately sequif of immonific Keles to the City of Lyon the Kepention in full other to the City of Lyon the Kepention in full other to Variety in the World.

Twell may use conceive be a for a first 1.5 and 1.5 a. first 1.5 a. fir

maintain, of giving the Golfs to Legistre better than any Tayli not, or concept, by the list delib than carious, it is give her its Dickription of the Bogine countried by Offento to give the Golfs of Legistre, to said it adhasser of applying to give the Golfs of Legistre, to said it adhasser of applying the Golfs of Legistre, to the concept that in-free of Legistre, to the concept that in the Golfs of Legistre, but were the said Legistre, and concept that in free of Legistre, but were for a legistre, and concept that in the said Legistre, and concept that in the said Legistre, and concept the said Legistre that the said Legistre, and the said Legistre that said Legistre tha

Foot. The two Machines prepard, and the Teffety mounted, the Lattite is given it by rubbing it gently with a Pelchus or Fullmatin Claffs of fire Cohn, as it rolls from core Beum to Fother; the Fire, at the finne Time, being carryl under neath ire day; it. As from a the Piece has its Luffer, the part on new Beums to be threehd, a Day or two 3 and the former this laft Preparation is reposted, the more it increates

For black Taffeties, the Luttre is given with double Beer, and Orange or Lemon Juice; but this laft is the leaft proper,

as being apt to whiten. The Proportion of the two Liquess, is a Gallon of Orange Juke to a Fint of Bert, to be foilful together to the Conflictnes of a Broth. For colour of Fifther, they afte Gourd-Water, diffilled in an Alembia.

TAFTOLOGY. See TATTOLOGY.

TAIL, that Part of an Animal which terminates its Body

The Tail is different both in Figure and Use in the various Species: In Land Animals, it serves to rid them of Flies, and is usually cover'd with Hair, and strengthen'd with Bones; In Fifthes it is Cartilaginous, and ferves them as a Helm to fleer their Courfe withal in fwimming. See Swimming.

fleer their Courte without in twinming. See SWIMMING. In Birds it is overed with Partners, and greatly affilis in all Acteus, and Defenes in the Air 3, as also to render their all Acteus, and Defenes in the Air 3, as also to render their and vickling Medium, by its readily maring and infering and vickling Medium, by its readily maring and infering to crery Vacilitation of the Body. See Fevring. In Anatomy, Tax is said for that Tendon of a Moffe, which is find to the moveable Part: in Opportion to which the Tendon find to the immoreable Part is called the Had. See MUSCLE.

See Museum.

Among Botanitis, the Pedicle is fometimes call'd the Tail,
The Way to preferre Fruits in Winter, is to feal up their
Failt or Pedicles with Was. See Pentex.

Dose-Tair, or Smallow-Tair, among Carpenters, is
one of the Honogel Manners of Junting 1, wherein, a Piece
of Wood that grows larger towards the End, is inferted into another Piece; so that it cannot flir out, by Reason the Hole in the one, is narrower than the lower End of the other. As in the Figure of a Dove's Tail. See Quava d' Aronde, and SWALLOWS-Tail.

Peascek's Tarr, a Term apply'd to all circular Compare-ments, which go enlarging from the Centre to the Circum-ference; imitating, in fonce measure, the Feathers of a Peacock's Tail.

Dragen's Tail., Cauda Draconis, in Altronomy, the defending Node of a Planet; thus characterized 29. See

The Ailrologers take Care to put it in all their Horoscopes, Sec HOROSCOPE.

See Horgescors.

Horfe's Tart, among the Tarters and Chinefe, is the Enfign or Fing under which they make War. See Ensten.

Among the Torks, it is the Standard bore before the Grand Visier, the Bafhaws, and Sangiacs; in order to which, it is fitted on the End of a half Pike, with a Gold Button, and

is nitred on the End of a half Pice, with a Gold Button, and is call'd Toke.

There are Viziers of one, others of two, others of three Herjes Tails. The Horfe's Tail plac'd on a General's Tent, is a Signal of Battel,

the Rays are call'd the Zan of 100 tomer.

The various Phenomena whereof, with their Physical
Caufes, see under the Article Congr.,

Tate of the Trenches, in the military Art, is the first
Work which the Bessegars make at the Opening of the
Trenches, as the Head of the Attack is carry'd on toward the

Place, See TRENCH.

I but Limitation of Table is either General or Special.

Table General, is that whereby Lends and Telements are limited to a Man, and to the Heirs of his Body begotten. It is call'd General, because how many Wives foever the Tenan holding by this Title thall have, on a siter another, in lawful Marriage, his liftee by them all have a Possibility to inherit one siter another.

Taile Special, is when Lands or Tenements are limited to Yanke Special, is when Lands or Tenements are limited to a Man and his Wife, and the Heirs of their two Bodies be-gotten: It is call'd Special, because if the Man bury his Wife before Huse, and take snorther; the Huse by his second Wife cannot inherit the Land, &c.

Alfo, if the Land be given to a Man and his Wife, and their Son R, for ever ; this is Taile Special.

Table offer Tophistics of Iffine certifit, is where Land being fract to A would him, excited; is where Land being fract to A would him, excited the land there are backles the one over-lives the clear, the Heart of their wave fractions, and the land to the Land for Term of his own I did in quality of Terms in Valley Land for Term of his own I did in quality of the land to the Lawful

Invoid.

\*\*Xeonally, I fail, or I faile is used for what we valgarly call a
Seonally, I fail, or I faile is used for what we valgarly
Seonally in I faile is the Seonal faile of Seonal faile
I faile in I faile in I faile in I faile in I faile in I faile
I faile in I faile in I faile in I faile in I faile in I faile
I faile in I faile in I faile in I faile in I faile
I faile in I faile in I faile in I faile in I faile
I faile in I faile in I faile in I faile
I faile in I faile in I faile
I faile in I faile
I faile in I faile
I faile in I faile
I faile in I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile
I faile

for a Ship can state and tower ofpen her walkap for east; when fine the state of th

calcited.
In chief Ufe is an a Sorten or Cores for Paising in Milminure and Carlows, to which Purpole this Silest thereof
are useful. This Generation at 80 and 6 a Fleury is noted to which, by Reafon of the Difficulty of pulverings it, \$6c.
they constant timelities to refly it with the Siles of a SecuDog, and no parts the Maffing the a Siece.

"Miles," in In Natural History, \$1c. 5c. \$2c.
to before a constant time of the Silest of a Secupared the Collisions of the fame, and Fleur, therewish, and
pared the Collisions of the fame.

paved the Collieum of the fame.

The Talk brought from Mafacoy is reddish when in the Stone; but it feldom comes to us otherwise than in Leaves, which are very hard, innoch, polifiel, and exceedingly transparent: "It's found in Quarters in Mafacoy and Perija, and is ufed to make Landonsta, to over Plasmings, e.G..

The Word is German, where it fignifies the time Thung. Some Chymidit, and other Empretch, have held, that

Some Chymlis, and other Empiricks, have held, that Tale might be used for many more important Purpolea; and pretend to draw from it that precious Oil, fo much boailed of by the Ancients, particularly the Arabic, call'd Oil of Talet, which is suppost a wonderful Cosmetic, and Perference of the Complexions: But the Treath 1s, the Word Take, among them, fignify'd no more than an equal Difpo-26%, among turus, again'y to ho more than an equal Dirivo-tition of the Hamours, which kept the Body in good Tem-perament, and perfect Health. Now, as nothing contributes more than Health to the preferring of Beauty, this has given Occasion to the Chymilis to fearth this Oil of Tale, which is to maintain the Body in this Difposition, and to engage the Ladies to be at the Expence of the Search

engage fiel kaldist on eat the Expence of the Search.

Some have also preceded, that yellow or raddy Tale contain'd the Seeds of Godd, and that a Mentirusum might
be drawn from it, to tamfust whether is most odd and Silver,
or fix Mercury, 5%; but this is mer Charletanery.

TALENT, Yadintum, a Weight and a Coin, both very
lamous among the Amintust but very different in different
Countries. See Coin and Westley.

Countries, See Conv and Wasserry.

The Value of the "Hade" is very hard to affige in English
Macey; as beine used among all the People throughout the
Early and list Value, and the Manner of Comparation,
Early and list Value, and the Manner of Comparation,
There were various risks of tellular, both with report to
Weight, and to Species; the Value of theft last fill increating, as the March whereof it confide was higher; the
the Tallett Highly id all contain the fune Number of
Promotion and December, where you have been all the
mental than the contain the fune Number of
Promotion and December, where you have prefer its and posses.

Founds and Drachms.

For as the French bave a Pound Parifit, and a Pound Tourneit, each whereof contains alike 20 Sols; yet the compar'd together, the Paris Pound contains 25 Sols of the Tourneit Pound, the Paris Sol exceeding that of Tours by

on quarter; 50 all Talent Weights were equally 60 Mines, and the Mina too Drachme; but the Drachma of one Place exceeding that of another, there hence arole a Difference in the Talents. See Minh.

reces in the Tatistic, See Mirci.

The After December, just failance, was 6. Amic Oboll, and that will Agent to of the time Oboll; whence the Aginese Mirci Oboll; whence the Aginese December of the time Oboll; whose the Aginese December, it was no more than 60. See Dancarisat, just was no more than 60. See Dancarisat, just was not made of a seal that Agine Penalty of 60.00 Agine Directoms; quantity for See Mirci Directoms; quantity for See Mirci Directoms; quantity for the Mirci Dancarisat, monitors nother of the Aginese of two Mirci December, as produced, as Profiles, monitors nother Agine Aginese of two Mirci Dancarisations. worth 75 Drachone.

The Syrian Talens contained 15 Artic Minn; That of Alexandria 96 Artic Minn, or 91 Lib. Troy. The Babylanic, Persan and Amischie Talents were the same with the

Ægyptian.

Rappins,
Among the Rement, there were two Kinds of Talesti,
Among the Rement, there were two Kinds of Talesti,
the little and the great Talesti. The little was the common
Talesti and whenever they jay, finply, Talesti, they are to
be underflood of this. The little Talesti was 60 Mine or Resonar Pounds, the Mins or Pound chiunated at 100 Dezehmz
or Denaris: It was allo effimated at 24 great Selferces, which amounted to 60 Pounds.

which amounted to 60 Younds.

The great Yaleut executed the left by one third Part.

Buttent computes, that the little Taleut of Silver was worth

75 Younds Sterling; and the greater 90! 65. 8 d.

Sterling. The greater Taleut of Silver he makes worth 75

Bond Sterling in mercure of Suld worth executed. Secring. The greater Talent of Silver he makes worth 75 Pounds Sterling; the greater of Gold worth 1215 Lib. Sterling.

Talent, as a Species, or Money, among the Hebrews, was a Gold Coin, the fame with the Shekel of Gold, call'd also Stater, and weigh'd only 4 Drachms. See Shekel.

of the Series of the series of

tile. 4 Drachms.

TALES, in Law, a Supply or Addition of Men impanel'd on a Jury of Inquest, and not appearing, or at their Appearance, challeng'd by either Party as not indifferent.

See Jeav.

Is fach Cafe, the Judge, upon Motion, grants a Supply to be made by the Sheriff, of one, or more Tales, fuch there prefent, could in Reputation to those impansal! d.

This Act of supplying is call'd a Tales do Circumfantation.

He that has had one fuch Tales, either upon Default, or He that has had one usen 2 aces; either upon Defrants, or Challenge, may not have another containing to many as the former: For the first 2 aces much be left than the principal Pannel, except in a Caude of Appeal; and fix every 2 acel left than other, till the Number be made up of fuch as are

unexceptionable.
Thefte, called Yales, or Yalefann, and corrupdy Tallyanes, are, on fone Occafions, call'd Adulent.
TALIO, Lex Tallonis, or Pranti Talliani, a Retribution, or Prantifinest, whereby on Evil is renural perfelly like that committed against up by another, which is what we shall be expent by the Werek 19x for 15x, Yanf 5x Teach.

Talliani, and the Werek 19x for 15x, Yanf 5x Teach.

Talliani, and yet the Werek 19x for 15x, Yanf 5x Teach.

Talliani, and yet the Ramon for its ridde, inafmuch as fields.

Justice; and yet the Ramon for its ridde; inafmuch as fields.

Patrice or Evally to Patrifference could any lawy to be forem, and the patrice of Evally to Justice 19x for 19x fo

arity or Equality of Punishment could not always be observed Parity or Equality of Puniffurent could not always be observed. For this Readon, the Practor allowed (inch as had fuffer'd any Injury, to make an Effirmate thereof in Money, that Judtice might be done him that way; only referving to himself the Power of moderating the fame.

And this was what was conflantly practifed, and thus the Pana Lationis, became quite disfined.

The Low Talionis, is never observed in the Civil Justice, but with regard to faile Wimester.

with regard to fall Winterflox.

TALISMANS, certain Figures engraven, or cut, under feveral faperfliitious Obfervations of the Characters and Difpofitions of the Heavens 1 to which fonce Africologues, between the Heavens 1 to which fonce Africologues, between the Heavens 1 to the Actors, attribute mixed loas Virtues, particularly that of calling down Coelettial In-

loar Viruss, pertocutivy ups. or some minerace. Author of a Book, initial. Julifant Julifant Syn. a Malfishus is the Soil, Figure, Canadher or Imigor a herenty Sign., Canadher or Hoper, Canadher or Soil a herenty Sign., Canadheriton or Places, capraves on a series pathetic Stene, or on a Merell corresponding to the Star, &c. on order to receive its Influences. The Tallifants of Some Semethysiant, fo fitmous of old, were Pieces of Iron, format on certain Images, and Gen h Mong, Juli K Kinde, of Egylis.

Somethracians, fo famous of old, were recess to som, into certain images, and fer in Rings, \$5.

They were held Preferenties against all Kinds of Evils 5 there were other Talifinant taken from Vegetables, and others from Minerals. In the general, we use to diffinguish three Kinds

Kinds of Tailjanns. The Aftronomical, which are known by the Signs, or Confellations of the Heavens engarent traces, with other Figures, and form uninstellighle Character. The Magnad, which have very extraordinary Figures, with supertitious Words and Names of Angels makered of And the Mars, which conflit of Signs and barbarous Words,

And the Mist, which conflit of Signs and barbarous Words, but have no faperfictions once, or Name of Angels. Some Rabbins have maintained, that the Brasen Serpent, risk'd by Angels in the Widderself, for the Delferfolion of the Serpent that among the Unsatted, was a Tailjinan.

All the miscachesa Things worough by Angelsians: That we would be a serious the serious description of the Widderself was the Miscachesa Child in the Service of the Widderself was the Miscachesa Child in the Service of the

Wixard is even faid to have been the Inventor of Tailmans: 1 fast Wixard is even faid to have been the Inventor of Tailmans. Some Authors take feveral Rimic Medais, at least Medals whose Inscriptions are in Rimic Characters, for Tailmans;

whose infertpeions are in Russue Characters, for 2 stiffmant is it being norricus, that the Northern Nations, in their heathen Stree, were much devoted thereto.

M. Keder, however, has flewen, that the Medals here flooke of are quite othergoide Things than Taliffmant. See

Henric.

The Word is pure Arabic; though Monage thinks it may come from the Groot cases, Conferention Barel Lay, the Perfect of the Conference of the Confer Characters, or Cyphers ufed by Sorcerers; thus call'd from

Canadian, or Cybran sidel by Socreers, thus call'd from Talkander, a Famour, or Husbon.

TALKING. See Spanning, Steenan and Voren.
TALKING. Seer Spanning, Steenan and Knight users necessity and by the Knig towards the Expercise of the Steen and inferior Famour, which was considered and in the Canadian Canadian Canadian Canadian Canadian Canadian.

This latter Talking of the calibratory Theories, and former times the A., and creating the Canadian at the Healtern of times the A., and creating the Canadian at the Healtern of Statistics, and the Canadian Cana Sussiny.

Tallages were anciently call'd Cattings; which Name is flill retain'd in Ireland, the in a different Significa-

riem. Zildiger, few Sir E. Colle, is a general Name including Zildiger, few Sir E. Colle, is a general Name including TALLIX, or Tallit, (from the French, tailler, to ear.) a Fleece of Wood, whereon real Tackets are to flower embers, by Neetics or Inclines, the fereral Quantities of Goods down Gaussy little Article in Books, See Taxtr. Var. Each Searc conditis of two Fices of Wood, or rather of Articles in Books, See Taxtr. Var. Each Searc conditis of two Fices of Wood, or rather of Articles in Books, See Taxtr. Var. See

as much as Books.

as much as noons.

The ancient Way of keeping all Accounts was by Tallies;
the Debtor still keeping one Part, and the Creditor the There are three Kinds of Tallies, mention'd in our Sta-

There are three Kinds of Yallites, membered in our Statutes, and long used in the Exceptioner.

The field, TALLIES of Least; one Part whereof is kept in the Exceptioner, and the other Part given to particular Perfons, in lieu of an Obligation for the Monies they have lent to the Government on Acls of Parliament. See Loan, This laft Part is called the Sock, and the former the

Counter-flock, or Counter-tail

Generate Med. or Commercial. The Fellow Name, and the Sam Lear. Then we fay, The Tallier, No have been pull, diskurght, "Falliers are first, laded, 45, 5fe. The feeded are, Talliers are first, laded, 45, 5fe. The feeded are, Talliers are first, laded, 45, 5fe. The feeded are, Talliers or the partie of the Med. Exp. the University of Contribute and them in Fee Farm. He that pays this, receives a Tallier of Tally for its light charge, with which, or a Nate of it, he regains to the Caffer of the First, and there for the Argin exists.

Litterarge on Farchment.
The other are, Tallitas of Reward, or Allowance, made to Sheriff, for I deh Matters as (to their Charge) they have performed in their Office, or fach Money as it by One of the on them in their Accumal, but which they cannot be useful to the control of the other oth

clarify'd. See Far.

There are feare any Animals, but a Sort of Tallow may be prepar'd from; but those which yield the most, and whereof the most Us is made, are the Horfe, Bullock, Sheep, Hog, Goat, Deer, Beat, and Viger. Some of which Tallows, or Fats, are only used in Medicine. See

Axunora.

Most of the rest are used in the making of Soap; the dressing of Leather; but chiefly in the making of Candles,

oremog of Leatner; but concery in the making of Candles, See Soar, Cruntivio, 26.

For Candles, the belf Composition is half sheeps Tallow, and half Cowo of Bullocks Tallow, without any Mixture of other kinds of Fat, which only ferre to turn the Candles vellow, make them ran, and fpoil the Clearness of their Light, See Candles.

TALLOW JON, in China, in The growing in great Plending that Country, which proposes a Soldine like our Plant has Country and the growing has been proposed as the proposed by 
as thois in Europe, it they know how to putify that Pigras-ble Fillers, as well as see do are dimined "Lines". All the Preparation they give it, is to min. a little Oil with it, to make it fofter, and more elimin. "This true their Candles sends of it yield, a thicker bonust, and a dimmer manfaire, to the Wicks, which are not of Cotten, but only a little Rod, or Switch of dry light Wood, courful with the Firth of a Roth, wood round it; which being evry promos, ferrest to filtrate the infinithle Parts of the Tallows, as-tended by the beating Side, which by this Means is keep

TALMUD, or, rather, THALMUD, a Book, wherein the Jews have collected what relates to the Explication of their Law.

The Thelms, is the Body of the Hebrew Law, and of Expolitions of the Duties imposed on that People, either in Scripture, or by Tradition, or by Authority of their Doctors, Exponences of the Loutes imposed on that recopie, either in Scripture, or by Tradition, or by Authority of their Dedews, or by Calforn, or even by Superfittion; and, to Speak more plainly fill; the Courfe of Cafes of Confeience, or of mo-ral Tacelogy, wherein the Duties are explained, and the Doubte cleard, not by Reacforing, but generally by Autho-rity, by the Calforn of the Nation, and by the Decisions of

rity, by the Luttern of the Nation, and by the Dections of the molt approved of ancient Doctions. The Trail Trailmost condities of two general Parts, the one call'd the MicRoms, the other the Geometra, which fecond Part is also frequently call'd absolutely the Trailmost, the general Name of the whole Work. See Missenna and

second Name of the whole Works. See Mircensa and GENERAL. Other whose the contract of the con-traction of the State of Marie and Research, which is that movely the Tradition. This later, in Effect, on other than a Glob or Interpretation of the Intense, given by The Tradition of the Intent in Effect, given by The Tradition of the Intense in the Con-Tion of the Contract of the Intense, given by The Tradition of the Intense in the Intense of the Con-position of the Intense in the Intense of the Intense that Intense is the Intense in Intense in Intense the Intense in Intense in Intense in Intense in Intense the Intense in Intense in Intense in Intense in Intense Intense in Intense in Intense in Intense in Intense in Intense Intense in Intense in Intense in Intense in Intense in Intense Intense in Intense in Intense in Intense in Intense in Intense Intense in Intense in Intense in Intense in Intense in Intense Intense in Intense in Intense in Intense in Intense Intense in Intense Intense in Intense in Intense Intense i

Extravagances.
It was compiled by the Jews of Mesoporamia, about 500

Year stree Grijf.
The Thomas of Jerujalem in the leaft eftermed. It was compiled by the Jérui of that Griy you Years after Grijfe.
The Ballyrians Thains contint or two Barry, the control of the The Ballyrians Thains contint or two Barry, the control of the Green's control of the Griffe.
The Ballyrians of the Text. This we find that the Expeditions of the Text. This we find that with Dreams and Chimnes's ja. 4th. The Silk yeary conf. On the contray, the Text, call the Mighen, is were in a pertry pare Style, and the Resioning generally much more fall.
The Jerus results it was removable to write the second of the Contray of the second of the contray, the Control of the Contray of the Silk years of the Silk y

folid.

The frem person of two composed by Rebit Stude, formand the Chief Western Company of the Rebit Stude, formand the Chief Methods the Rebit Stude of the Chief Methods of the Rebit Stude of the Company of the Company of the Rebit Stude of the Company of the Rebit Stude of t

much further.

much further.

Tis the Thalmoud of Bulylon that is usually read, what is the most considered among the French of that when there you for the other without he had with the state when the state is the state when of the Fest, both their Civil and their Canon Law, and the best of their Traditions. About the Yest 1326, a Jew of Readel, well very dia the Helwing becoming Chestian, made a Journey to Rope in the Federace. These the Roye leads, my a Arides, to the Archbiftops of Fronce, with a Leeter, appointing them to first the Books of the Federac, and to burst all lash as floodle contain their Errors; in Consequence of which Ores, show a Cart Louds of Helwine Books were barnet. He wrote to the fame Effect to the Kings of England, France,

Arragon, Caffile, &c Arragon, Collide, Sc.

His Succeitor, Imascent IV, giving Commission to his Legate Endes de Chateaurents, to examine the Thahmud, and other flexish Books more carefully, and to tolerate such Errors as were not contrary to the Christian Religion; the Legate wrote to the Pope, that to tolerate them was to

approve them; and the 15th of May, 1248, he condemn'd them Jaridically. TALON, in Architecture, a kind of Aftragal; or Mould-ing confiiting of a fquare Fillet, crowning a Cymatium; frequently found to terminate Ornaments of Joyners-Work,

thofe of Doors, Sc. Sec CYMATIUM.
The Talon is a Moulding concave at the Bottom, and sovex a top; having an Effect just opposite to the Doucine

See Doucis When the concave Part is a top, 'tis call'd an Inverted Talon. The Talon is usually call'd by our English Workmen Oce, or O.G.; and by Authors an upright or invertes Cymainm. See Oose.

Gymetium. Sec Oosz.

The Word is French, and literally figuifics Heel.

TALPA, in Medicine and Chirospery, a Tunner thus
call'd, of the Ordenatous Kind. Sec Onswarous.

The Talpa, and Nates, chiefly arife about the Head, as
the Configuence of fome Venered Difender. See Natus.

The Talpa Celvate the Skin from the Pericranium; and

generally denote a Foulness in the subjacent Bone of the TALUS, in Anatomy, a Bone, call'd also Afragalus. See

ASTRAGAL. ARTAGASÍ.

ARTAGASÍ.

In in upper Perr, irkus 2 Conver-Head, which is articular in upper two fields of the Log, by Cinglyman, being divided by a little Soura, which receives the finall Procuedence in the Thiddle of the Simos of the This Vines or this Articulation, we must always, in going, have read the Convertigation of the Con

LARS.

Below, rowards the hind Part of its under Side, it has a perry large Sines, which receives the upper and hind bare side in the perry large Sines, which receives the upper and hind bare Side is has a Protuberance, which is received into the upper and fare Part of the time Booe. Betwiet this Sima, and there is the O. Colles, is which is contained an only and mucous Sere of Subdance, for mosificing the Ligaments, and facilitating the oblicar Motion of their Booes when

TALUS, or TALUY, in ArchiteClare, the fentible inclina-tion or Slope of a Work; as of the Outfide of a Wall, when its Talcheth is diminish by Degrees, as it rifes in Height, to make it the firmer. See Wall... TALUS, in Fortification: The Falux of a Baftion, or Rampart, is the Slope allowed to finin a Work, whether it be of Earthe Stone, the better to hipport in Weight. See

be of Earth of Stoke, the better to tappport to Weight. See RAMPART.

The Volute exterior of a Work, is its Steepont's on the Side of the Field, which is always made as little as possible, to prevent the Enemies Scalado; unlefs the Earth be bad, and then it is abfolutely uccelfary to allow a confider-shle Tallar for its Parapet.

The Talus interior of a Work, is its Steepness on the In-Tamarine of a Market, is its other than the fide towards the Place.

TAMARINS, or TAMARINDS, a kind of Medicinal Frait, of a tart, agreeable Tafte; brought from the East Indies, and call'd by fome Indian Dates, and by others the

Indian Acacia. The Tree which yields it, call'd by the Indian Tamerinds, and the Paragues Tamerindoi, is not unlike our Ash, or Walnut Tree; its Leaves resemble those of Female Fern; its Flowers are join'd eight or ten together, like those of the

Orange 'tree, In: Fruit is in a Pod, the Leugth of a Finger, and the Thickness of the Thumb; cover'd at first with a green Rind, which afterwards becomes brown, and contains a blackfin Palp, among which are found Seeds refembling Lu-piness. This this Palp alone that is brought to ds, and us'd

Medicines. The Tamorinst must be chosen big, of a Jet Colour, a brisk Taste, not too dry, and such as have not been laid in the Cellar, not fastifyed with Modaftee of Sugar and Vinest. They are found laxative, cooling, and good to quench

Third: In burning Pevers they are preferibly to movitles and coed the Mouth.

TAMBAC or TAMBAQUA, a Mixture of Gold and Copper, which the People of Saus hold more beautiful, and fee a greater hale on the first of the Copper of

and het a greater Value on than Gold Helf.

Some Taveller fiquel of it as a Metal found in its
peculiar Minet; but upon what Authentiy we don't know.

The Able of Colling, in his framed of Som, doubte whether

The Endulidates of Minet to the Colling of the Colling

The Endulidates of Minet to the Colling

The Endulidates of Minet Some Colling

The Endulidates of Minet Some Colling

The Antholica of Minet Some Colling

The Antholica of Colling

The Antholica of Colling

The Minet Perfect in Architecture, a Term apply'd to the

forming of Colling

The Minet Colling

The Co

See CAPITAL, Some chufe to call it the Vafe, and others the Campana,

Some chuir to East it the Faje, and others the Compans, Bell. See Var., Efc..

Tansour is also used for a little Box of Timber-Work, Cover-d with a Cicling, within-fide the Porch of certain Churches; both to prevent the View of Persons passing by, and to keep off the Wind, Efc. by means of folding Dioces, and to keep off the Wind, Efc. by means of folding Dioces,

Tamboun is also a round Strine, or Course of Stones, se-veral whereof form a Section of the Shaft of a Column, not fo high as a Diameter

TAMPION, TAMKIN or TOMKIN, a kind of Plug or Stopple, ferving to close a Veffel; particularly to keep down

or Stopple, ferving to cloic a Veffeli; particularly to keep down the Fowder in a Strie-Arn, ¿Gr. In charging a Moettar, or the like, over the Powder is ufficient to the like of the Shot, Ball, ally part at him round Fiece of Wood to keep the Shot, Ball, Shell, or the like from the Gun-powder. This Fiece is called a Zampton, and by means beroof, the Shot is exploded with the greater Veherence. See Cirkaro., ¿Gr. The Word is a found from the French, Zampon, a Bung, The Word is a found from the French, Zampon, a

The Word is form'd from the French, Yamphon, a Bung, Supplie, E.S. Some derive it from the English Tape, and, by a Manuelle, and the American for the English Tape, and the Yamping Mill, into a coarfe Founder; to be said in the Tamenty on Derlingting of Skins. See Fax and Taxassine.

New Yam is the most efform'd; when Old and Settle; to the dark of the Helder and t

In effect, not only the Bark, but every Part of the Oak Tree, of what Age or Growth forver, all oaken Coppies, &c. cut in Barking Time, makes good Taw; as good at leath, as

the best Bark. This, when got, is to be well dried in the Sun, housed dry,

This, when get, is to be well diried in the San, hosefied dry, and large the. To but it it, the greater Wood may be shared after the state of the st

Ec. Thus the Line AD (Tab. Geometry Fig. 50 ) is a Tangens to the Circle, in D.

to the Girle, in D. This denomitared in Geometry,  $\mathbf{1}^{\alpha}$  That if a Tangent AD, and a Scans AB, be both driven from the finne Point A; the Square of the Tangent will be equal to the Rechangle, under the whole Scant AB, and that Portion thereof  $\hat{A}$ C, which falls without the Circle. See Sea.N.Y.

2 That if two Tangent, as  $\hat{A}$ D  $\hat{A}$ E be drawn to the Euro-Circle from the finer Point A, they will be equal to each func Circle from the finer Point A, they will be equal to each

other.

The consequence of the c

between two right Lines, drawn from the Centre C, through the Extremes of the Arch E and A. See Arch.

Hence, the Tangens FE is perpendicular to the Radius

LAIL have the Tangar F E is the Tangar of the Civile A C E, as also than AC I, for that Two adjuscent Angles have only the fine common Tangar. Go-Tixonstry, or Taxonstry of a Complement, is the Tangar of an Arch which is the Complement of another Arch to a Quadrant. See Constraint, Nat. the Co-tangar of Thus, a Yangar of the Arch AH, is the Co-tangar of the Arch AR. A. Constraint of the Complement of the

Arch AE. To find the Length of the Tangar of any Arch; The Sine of the Arch being given: Suppose the Arch, AE; the

both the Sine and Tongest are perpendicular to the Radius EC, they are parallel to each other. Wherefore, as the Ca-fine DC is to the Sine A D. Cart. are parallel to each other. Wherefore, as the Co-fine DC is to the Sine A D, fo is the whole Sine, to the Management E.F. See Sing. Hence, a Carmon of Co.

Hence, a Canon of Sines being had; a Canon of Tangents is easily constructed therefrom. See Canon.

Artificial Tancents, are the Logarithms of the Tangents

Arrigadas I AMERNYS, see the Loganiums
of Arches. See Loganiums
Line of Tangenyrs, is a Line nigally placed on the Sector
and Gamer's Scaley, the Defription and Uffa whereof, for
under the Articles Sucron and Guntra's Scale.

TANGENT of a Conic Section, as of a Parabola, or other al-ebraic Curve, is a right Line, drawn, cutting the Axis. See

GONZA, CONT. Sec. A Method of determining the Quantity of the Yangear of any algebraic Curve; the Equa-tion defining flast Curve, being given. This Method is one of the great Refuts of the Calculus

Differentialis. See DIFFERENTIAL.

Differentiatis. So DIFFERENTIAL.

Its Uff is very great in Geometry; because in determining the Tangents of Curvas, we determine at the fame Time, the Quadratures of the Curvilliner Spaces: on which account it well deserves to be here particularly infisted on. See Qua-DRATURE.

#### To find the Sub-tangent in any Algebraic Curve.

Let the Semindianes gas to infinitely near nearlier DM. (The Antholis Eng. 1) alm will by let ab Differential of the Abdiffs; and letting fall the Perpendicular MR.—Pps. Rm will be the Differential of the Semindianes. Draw, therefore, the Vargout TM. The Infinitely little Arch MI m. ber a right-limble, "the Vargout TM. The Infinitely little Arch MI m. be a right-limble, "this angled Training, utually called the Committerific Principle of the Correct, in regard Carve Lines ed dillinguistiff form each other hereby. See Character dillinguistiff form each other hereby. See Character.

Fig. 17. Now, by reason of the Parallellim of the Right Lines P M and p'm; the Angle M mR.=TMP. Wherefore the Triangle M mR is Similar to the Triangle TMP. Lee, therefore A P = x, P M = y, then will P p = MR = ds, and R m = dg. Confequently,

If then, from the given Equation of any Curve, you further the Value of \$\delta \text{to } y \text{d} x \text{ if } x \text{ in the general Experience of the \$Sub-tangent, PT'; the differential Quantities will vanish, and the Value of the \$Sub-tangent come out in common Quantities; whence the Tangent itself is easily common Quantities; whence the Tangens itself is es determined. This we shall illustrate in a few Examples:

1º The Equation defining the common Parabola, is,

Hence, 
$$\begin{array}{c}
ax = y^3 \\
adx = 2ydy \\
dx = 2ydy; a
\end{array}$$

PT=ydx: dy=2y'dy: ady=2y': a=2ax:a=2x. That is, the Sub-tangent is double the Absciffe,

2º The Equation defining a Circle is, ax-xx=yy adx-2xdx=29dy

dx=29dy:(a-2x)

 $\begin{array}{l} \text{P T} = dx : ydy = 2y^{b}dy : (s - 2x) \ dy = 2y^{b} : (s - 2x) \\ = (2sx - 1xx) : (s - 2x) = (ax - xx) : (\frac{1}{4}s - x) \ \text{that is,} \\ \text{P C } : \text{P B } : A \text{P } : \text{P T}. \\ \text{Therefore A T} = (sx - xx) : (\frac{1}{4}s - x) - x = (sx - xx - \frac{1}{4}s - x) \\ \end{array}$ 

ax+xx:  $(\frac{1}{4}a-x)=\frac{1}{4}ax$ :  $(\frac{1}{4}a-x)$  that is, PC: PA:

3° The Equation defining an Ellipfis, is 5

3° The Equation defining an Empire  $ay^2 = abx - bx^2$ Hence 2aydy = abdx - 2bxdx 2aydy : (ab - 2bx) = dx

PT=93x:  $dy=2ay^3$ :  $(ab-2bx)=(2abx-2bx^3)$ :  $(ab-2bx)=(2abx-2bx^3)$ :  $(ab-2bx)=(2ax-2ax^3)$ : (a-2x) that is, as the Diffance of the Semiordinate from the Centre, is to the Half Axis, b is the Abdish to the Portion of the Sub-tangent intercepted between the Vertex of the Ellipfa and the Tangent.

Laftly, for all Algebraic Curves, the Equation is, Lifty, for all appears converges to the state of the sta

Suppose, e.  $g^y$ .  $y^z - a z = 0$ ; then, by comparing with the general Formula;

a y" = 5" b x = -a xa = 1 m = 2 c g' x' = o b=-an=1 f=0 c = or = of = o

Thefe Values being fibflitured in the most general Formula of the Sub-tengent; we have the Sub-tengent of the Farabola of the first  $Kund_1 (-z \cdot 1, y^2 \cdot z \cdot 0 \cdot 0)^2 x^2 \cdot (\mathbf{1} - x \cdot \mathbf{z} \cdot \mathbf{1} - \mathbf{z} \cdot  

$$ay^{x} = y^{3}bz^{6} = -x^{3}$$
  
 $a = 1 m = 3 b = 1 a = 3$   
 $cyrx^{i} = -axy$   $f = 0$   
 $c = -ar = 1$   $f = 1$ 

Their Value being flishituned in the general Formula of the Carre, which was a substituted in the grant of the Carre, and the control of the Carre, and the

the time be done also on the Left Side, multiplying and Member three by the Power of the Exposure of  $\gamma$ . Addition Member three by the Power of the Exposure of  $\gamma$ . Addition that one of the Power of the Exposure of  $\gamma$ . Addition the Research of the Power of the Po so required by the Rule 13 to each Part therefore, there must be perfixed the Exponent of the Powers of 9 or  $v_s$ , as in Rule 23 and on the Left Side, let one 9 be changed into  $a_s$  and then the Equation will be in this Form,  $ba-2ys=2v_s$ , which Equation reduced, gives easily the Value of a = 2 00 AC. And fo the Point C is found, from

 $s = \frac{3 \cdot 9}{1 - 2} \land C.$  And fo the Point C is found, from where the Support DC may be drawn, where the Support DC may be drawn, where the Support DC may be drawn, where the summer Basic Way the support in to the drawn, where the summer Basic Way and the Support and Support and the Frakken, at the Support and Summarities, or if the Frakken, at the Support and Support in the France Support in the Support and Support in the Support in t both Parts of the Fraction, the Affirmative Quantum, as left than the Negative, changing all the Sipps, the Yangour must be drawn now also towards B: For this Calle, after the Change, comes to be the firme as the First, 4. If the Affirmative Quantities are greater than the Negative in the Denominates, but in the Namerot are left or one worf a; then changing the Sipps in that Part of the Frackium where they are left, the Yangour must be drawn a courtary Way; a

that is, A.C must be taken towards E. 5. But when-ever the Affirmative and Negative Quantities are equal in the seer ne Amemantee and Segative Quantities are equal in two Numerators, i.e. them be how they will in the Dominiators, a will vanish into nothing i And, confequently, the Taggarti is either AD lieff, or EA, or partiall thereon a saw till eathly be found by the Dans. This the gives pikin Examples of, in reference to the Greek; that Let there be a Smitherick, whole Diameter is E E 3 in which there is given any Point; as D, (Fig. 15.) from which the Perspandicular DA is test fall to the (Fig. 15.) From which the respondence PA is PA and PA in the Equation will be Py - yy = vv, and drawing the Taugeter DC, AC, or  $a = \frac{vv}{b-2y}$ . Now, if b be greater than 2y.

managed according to his Rules, you have a = 200-250

Now face to here is fuppled for keeping that that  $h_d$  is  $h = 10^{-10}$  Keeping with the  $h_d$  is  $h = 10^{-10}$  Keeping with the  $h_d$  is  $h = 10^{-10}$  Keeping and the Sinch, the Yangori mult be drawn towards  $h_d$  is by Ruder Fourth, Fifth and Third. But there could be to by Ruder Fourth, Fifth and Third. But there could be to be Ruder Fourth, Fifth and Third. But there could be fourth of the Parish of the Parish Ruder (Fig. 1) and the Parish Ruder (Fig. 1) and the Parish Ruder (Fig. 1) and on which is Parish are fuppled to be forfard. Lark B to exilted  $h_d$ , and all Things effect as there, it the Parish Could for  $h_d$  is  $h = 10^{-10}$  Keep third (Fig. 1) and  $h_d$  is  $h = 10^{-10}$  Keep third (Fig. 1) and  $h_d$  is  $h = 10^{-10}$  Keep third (Fig. 1) and  $h_d$  is  $h = 10^{-10}$  Keep third (Fig. 1).

or j j = w = -0.9, and s = -1. It, soon, b be greater than 2 or, b be Tongour most be chaven nowed B. It, soon be the Tongour, and the the Tangent, as Level and the Tongour, as the Tongour, as the Tongour, as the Tongour, as the Tongour, or the Confraction, of any Carrey from the Equation, or the Confraction, of any Carrey from the Tongour, or the Confraction, of any Carrey from the Tongour, or the Confraction, of any Carrey from the Tongour, One of the Tongour,

1º To find the Curve Line, whose Sub-tangent = 295: 4 Since the Sub-tangent of an algebraic Line is = 9 d x, we

V d × : d V == 2 VV : Ø eyd== 292 dy 4 d x = 24 d 4

 $dx = v^{*}$ The Curve fought, therefore, is a Parabola; whose Con-ruction is shown under the Arricle Parabola.

2º To find the Curve, whose Sub-tangent is a Third Proportional to r - a and y.

Since r - x : y = g : g d xWe have r - x : g = dg : dxrdz-zdz=gdy

7 x -- 2' x = 2' 5' 2 " × -- × × = 9"

The Curve fought therefore, is a Circle.

3º To find the Line wherein the Sub-tangent is equal to the

Since. 5 dx: dy = 5 9 dx = 9 d9 dx = dx× = 9

Proximity.

This, o reality, was giving it to the fitnengths which na-wally occasional bloody Wan in Fundine; for which Ra-wally occasional bloody Wan in Fundine; and the fit-fon it was aboil find under K. Jénnett, I. Sir John State of Insur-ferbies it than, Spanne siften Proplem natural fields of Infunct Califor, Admort, Yerres and Vinonesust side Nature 63 Teams of Tamility, sing shampes might in the folles; Rec. does sid-coular, of it rempt stem themory or Carrie out in the deficient Security & Gignifficant Vero Sangulana & Coopennisis de nel

Senior of dignitino Viro Sanguins & Cognamiois & tid-Perfox, &c. The Word is fuppord form'd from Themis, TANNING, the preparing of Skins or Hides in a Pit, with Tax and Water, after having first taken off the Hair, by steeping them in Lime Water. See Tan and Leather.

Method of TANNING Cows, Calves, and Harles Hides.

The Skin being fiead off the Careafe, if 'tis intended to be kept, 'tis falted with Sca Salt and Alum, or with a kind of Saltperre, call'd Nargon; if 'tis not for keeping, the Salting is fav'd, as being of no ufe, but to prevent the Hilde from corrupting e'er it can be conveniently carry'd to the Tan-koufe.

Whether the Hide have been faired or not, the Tauner begins with taking off the Horns, the Ears, and the Tail a after which 'tis thrown into a running Water for about 30 Hours, to wash off the Blood, and other Impurities adding to the Infide.

ing to the Indic.

This done, 'ris laid over Night in a Lime Pit, already ufed 3 where it is taken, and left to drain three or four Days on the Edge of the Pit.

This first and lighted Preparation over, it is return'd into a freng Lime-Pit for two Days, then taken out for four more; and thus for fix Weeks alternately, taken out and

more; and thus for he Weeks alternately, taken out and pat in, twice a Week.

At the fix Weeks Bad, it is put into a frefit Pis, where it continues eight Days, and is taken out for fo many; and this alternately for a Year or eighteen Moeths, according to the Strength of the Leather, or the Weather; for in great Heats, they put in frefit Line twice a Week; and in Frost has foregreated, and years have given by

Hean, they put in fresh Linux ensice a Weeks, and in Fresh Womerone door troach them for three Months. Every Art for the State of the Months. Every Art four, first, or fix Weeks end, the Zeiner Europe of the Hint, on a Wooden Lege, or Horst, with a kind of Knish for that Yungote. And after a Year or eighteen Months, the Wooden Lege of Horst, with a kind of Knish for that Yungote. And after a Year or eighteen Months, was with the Wooden Lege of Horst, with a kind of Knish and Wooden Lege of Horst and State of Carting Knish, and robe it brinkly with a kind of Carting Knish, and robe it brinkly with a kind of Carting Knish, and robe it brinkly with a kind of Carting Knish, and robe it brinkly with a kind of When-thous.

ting horte, and me and the property of the property of the control 
Oxes Hides.

Coss, Calves, and Horse Skins are issued much after the fame Minner as thole of Oxers, except that the former are only keps four Househay, in the Lima-Fire, and that before only keps four Househay, in the Lima-Fire, and that the househay have been supported into a Wooden Fax or Tuli, what the househay have been supported into a Wooden Fax or Tuli, what the Minner she regular are pure, which are kept Hirring while former other Water is warming in a Kettle's and also no as that Water is a Hit more than historium, "is pourd affective from the Pax, and upon this it calls a Bischer of Zeng shoring which Tune, the Skins are full first tearning, that

the Water and Tau mayn't burn them.

After an Hour, they are taken out, and cast for a Day in cold Water, then return'd into the former Fat, and the

Ufe.

fame Water they had been in before; and here they are left eight Days; which expird, they are put in the Zan-Pit, and three Overlings of Too given them, the first of which latts five Weeks, the 2d fix, and the 3d two Months. The rest of the Procetis is all eripcish the same as that above delivered. In fome Countries, as in Chemphogos, US-

TANTAMOUNT, (of the French tout and Montant, or Monter,) fomething that amounts to, or is equivalent to

TAP, among Hunters: A Hair is faid to rap, or beat, when she makes a Noise.

TAPASSANT, denotes lunking or fquatting, and is a Term used in Hunting: Hence, to rappy, is to be hid, as a

TAPER, Topering, is understood of a Piece of Timber, or the like, when broad beneath, and fharp towards the Top; as is the Cafe in Pyramids, Cones, &c. See Pyra-

Min.
To meafure raper Timber, &c. See Timber, Slidsno-

Rule, &c. Tapen-bored, is apply'd to a Piece of Ordnance, when it is wider at the Mouth than towards the Breech. See

ORDNANCE.

OBNIMACE.

TAPER, a kind of tall waxen Candle, placed in a Candleffick, and burnt at Funeral Proceedings, and in other Church Solemanieries. See CANNER.

They are made of different Sizes: in fome Places, as Italy, Sc. they are Cylindrical; but in most other Countries, as England, France, &c. they are Conical, or tayer, whence

Both Kinds are pierced at Bottom, for a Pin in the Can-

deflick to enter.

If the Up of Lights in religious Ceremonies, is of a long flanding: The Ancients, we know, ufed Flambeaux in their Sacrifices, and particularly in the Mylteries of Ceres; and they had Tepers placed before the Statues of their

Gods. Some suppose, that it was in Imitation of this Heathen Ceremony, that Lights were first introduc'd into the Chri-fitan Church; others take it, that the Christians borrow'd the Practice from the Jews: But Recourse need not be had

to the one or the other Doubtless, as in the first Days of Christianity they had Doubtels, as in the first Days of Christianity frey and their Meetings in oblicare interesting valuels, there was a Necessity for \*Lopers, &c. and there was even Occasion for them after they had the Liberry of building Churches's those being contrived in such Manner, as only to receive very little Light, that they might infpire the greater Awe and

take Lieby, that they might infpire the greater have and Refrickly the Obligative.

This Original of Zefers in Churches is the moft natural a but 'ts a now a long Time face the 'Us of Telegres, which so the 'ts own a long Time face the 'Us of Telegres, which is Zendman, who lard at the Beginning of the 'Us Create's Section of the 'Us Churches' of the 'Us Create's Obligation, who lard at the Beginning of the 'Us Create's Obligation, the 'Us Create's Churches, 'Escholists', that they even painted them in their Churches, See LUMINANI.

### Manner of making TAPERS.

There are two ways of making Topers: The first with the Lotte, the second by Hand.

In the first, after the Wicks (which are usually half Cot-

in the first, after the Wicks (which are usually half Cor-ton half Flass) have been well twifted, and cut of the due Length 1 a Daten of them are hugg, at equal Diffaces, around an Iron Hoop, directly over a large Copper Bason full of melted Wax.

of melted Wax. Then taking an Iron Ladle-full of the Wax, they pour it goatly over the Wicks, a little below the Tops thereof, one after another; 5 to that the Wax running down them, they become quite coverd therewith, and the Sarplus returns into the Báñon, under which is a Tan of Coalis to keep it in Fusion. Thus they continue to call on more and more Wax for ten

I has they continue to that on more and more Wax for ten or twelve times, till the Zabyra'be brought to the requir'd Dimentions. The first Caft only foaks the Wick, the se-cond begins to cover it, and the rest give it the Form and Thickness; in order to which, they take Care that every Cast, after the fourth, be made lower and lower below the

Cast, after the fourth, be made lower and lower below the Wicks, to make them staper.

The Zaper thus form'd, are laid, while yet hot, one against another, in a Festher Bed, folded double to preferre them for; and taken out thence, one after another, to be relied on a long month Table, with an obloag inframent of Box, politiful at Bottom, and fernish'd with a Handle abover.

The Toper thus roll'd and polifit'd, a Piece of its big End is cut off, and a Conical Hole bored therein, with a Boxen Instrument, into which the Pin, or Point of the Candleftick is to be receiv'd.

While the Broach is yet in the Hole, they use to framp the Maker's Name, and the Weight of the Taper, with a Boxen Ruler, whereon the Characters are cut. The Taper is then hung up to dry and harden; after which it is fit for

## Making of TAPERS by Hand.

The Wicks being difport d, as in the former Mamor; they begin to fetter the Wate by working it in hot Water, in a feet of the Water by the Take & Quantry of this Water oat with the Ham Tay then Take & Quantry of this Water oat with the Ham Tay of the Water, which is faltered to a Hook in the Wall by the End opposite to the Water, but the San Tay of the Ham Tay of

The reft is perform'd after the fame Manner as in Tapers made with the Ladle, except that they don't lay them in the Feather-Bed, but roll them on the Table as fall as form'd

form'd. Two Things there are to be observed in the two Kinds of Tapters. The first, that in the whole Process of Tapters with the Ladle, they pie Water to moisten the Table, and other Instruments ofted therein, that the Wax may not fitch; and that in the other, they use Oil of Olives or Lard for the fame End.

fame End. Paichal Tarun, among the Romanifts, is a large Teptre, whereon the Deacon applies five Grains of Frankincents, in Holes made for the Purpole, in Form of a Crofs 2 and which he lights with new Fire in the Ceremony of Engler with the Common of Engler with the Common of Engler with the Common of Engler with the Engler with th

turday.

The Pontifical makes Pope Zofimus the Author thereof; but Baronus will have the Utage more ancient, and quotes

ben Hermain will have the Uring more notices, and queete a Hyman of Pranchemits to prove it.

The Pope he Suppois to have only challing the Urin Develope the Suppois to have only challing the Uring the Comment of the

is any thing moore than a kind of Column of Wax, made on purposite naw ruse the Lind of moreable Fests on, and which reported the way to the Lind of moreable Fests on, and which report the things of the Lind of the Lind of the Lind of Fests of Lind of the Column of Lind of the Lind of 
Such is the Original of the Recordition of the Tapquat TOPETPETRY IN THE TAPATETRY. I cancer Kind of Mana-photopetry. The Tapatetry is the control of the Con-ficient, Freing to shown a Chamber, or when a sho-bane and Tapping as a general Name for all Kinds of Benerica, whence were, or wrough with the Needle, and heaving, whence were, or wrough with the Needle, and which show a constrained by the Lendberg, or Papers (In which show a constrained by the Lendberg, or Papers (In which show a constrained by the Lendberg, or Papers (In which show a constrained by the Confirmed to a Kind of Topics, I Corne of a Hed, 1676, 16st in the common Ulic of our Language, It if carm is one appropriated to a Kind of cariothe with Guid and Salvers, representing Figures of Men, Annuals, Landberg, 6fz.

Animals, Landskips, &c.

The Invention of Tafefiry feems to have come from the
Levent; and what makes this the more probable is, that formerly the Worl men concern'd herein, were call'd, at least

formerly the Worl men concern a herein, were call'd, at leaft in France, Screnain, or Sarrafinois.

"Its suppord that the English and Flensish, who were the first that excelled therein, might bring the Arr with them from fome of the Croifades, or Expeditions against the Sistemann of the Confederation of the Confederation of the Confederation of Expeditions against the Sistemann of the Confederation of Expeditions against the Sistemann of the Confederation of Expeditions against the Sistemann of the Confederation of the Confederation of Expeditions against the Sistemann of the Confederation 
SEC CROISADE.

PRIMED. SEC GAUSARIE.

Be this as it wall, in certain thefe two Nation, particularly the English, were the first who fet on Fion this noble to English, were the first who fet on Fion this noble moments of Polaces, Ballicke, Cherches, 15th.

Hence, if they ben't allow'd the Inventors, they have, at least, the Clayer of being the Reliceces of fo curious and admirable an Art, as gives a kind of Life to Woolls and Stalls, in an Repticel inferior or the Faminting of the best Stalls, in an Repticel inferior or the Paintings of the best Mafters.

Twa late e'et the French apply'd themselves to Jepisjos ; The sirt Ethabiliment of that Kind, was under Henry IV. in the Kert Lory, in the Four-loves, O. Michael. But this time Kert Lory, in the Four-loves, O. Michael. But this Manufacture was retrieved by the Care and Addrects of the great M. Colleys, to whom the Ethabiliments of the Gob-lins is owing, a Royal Tajaby Manufacture, which has pro-ded Works in this Kind, Active interies to the first Ex-

duc'd Works in this Kind, fearce inferior to the finel En-gle or Empil Topplity, either with regard on the Defigur, in the Company of the Company of the Company The Tapinty were distinguish, two Kinds of Work, six Tapinty of the Age and dow Works, that in the Work infell Tapinty of the Age and dow Works, that in the Work infell and the Company of t

and thote, on the contrary, or the Euge France, erected par-pendicularly.

The Euglip anciently excelled all the World in their Tappings of the Eugh Word a and they fill tenin their former Reputation, the with some little Change: Their Low Words are fill admird; but as for the Eugh erect, they are quite laid afide in our Nation. See Commare, Woulen Mid-

laid afide in our NASION. See COMMERCE, WOOLLIN Min-mifellime, &c.

The Petruch bave three confiderable Taylippy Manufabures befides that of the Gobeline; the first at Antalija in Au-veryon, the fecond at Palletin in the Upper Marche, and the third at Baneseris: They were all capally eliable in for the bigh and the low Warp, but have all laid aside the former,

bigh and the low warp, but have all laid aftice the former, excepting the Gobelins.

There are admirable low Warps in Flanders, generally exceeding those of France; the chief, and almost only Fismip. Manufactorics, are as Bruffels, Anteorp. Oudenord, Light,

mip Manufadorica, are at Etraffici, draworf, Ondernot, Ligit, Topraney, Brogge, and Velenemies, etc. etc. etc. At Etraffici and Interest these, in the man Fraguer, in Animals, and Landskrips and this both with regard to the Defigue and the Workmanthip. At Outlands their Landskrips and Animals are good, but their human Friguere naught. Life, and the other Chies nam'd, come behind Otherand. The Frees Manufacture of Falletin dock tolerably well in Landskips, Aubuffor in Figures, and Bests-The usual Widths of Tapistries, are from two Ells to three

Ells and half, Paris Meafure.

The Manufacture of Tappifry of each Kind, is too curious to be here pais'd over, without a fhort Description. We shall give each under its separate Article,

## Manufacture of Taristry of the bigh Warp.

The Loom whereon its wrought, is placed perpendicular-ty: It consists of four principal Pieces; two long Planks or Checks of Wood, and two thick Rollers or Benns. The Planks are fet upright, and the Beams across them, one a-top, and rother as Boston, a Foor's Dillance from the Ground. They have each their Truminous, by which they are fullyeded on the Planks, and are turn'd with Ears. In sam fülgendel on the Franks, and are turn'd with Bars. In each Rollet is a Grown, from one End or bother, geaphed of combination, and the second of the second of the combination. In Ufe is to try the Ends of the Warp to, The Warp, which is kind of worther, or whiteli Woollen Timeds, it would not the upper Rollet; and the Warp to, The Warp, which is a kind of worther, or whiteli Woollen Within-fine the Planks, which are fewer or ciphy Fore-high, four-ence on filtern Inches bond, and three or lost purp titch Proces of Iron, with Hobes is one End, ferring to fathar the Case-three "Theef Proces of Iron have shir Idles or for further for Jan dhas the Case, or Threats, are freezel'd as Indian to the Case of the Case of the Case of the art of the Case-three "Theef Proces of Iron have shir Idles or for further for Jan dhas the Case, or Threats, are freezel'd as Indian to the Case of the Case of the Case of the art of the Case of the Case of the Case of the Case of the freezel'd as Indian to the Case of the Case of the Case of the art of the Case of the Case of the Case of the Case of the art of the Case of the C

The Coat-live is about three library and the Coats, or Threads, which make the Threads of the Warp crofs each other. It has much the fame Effect here, as the Springother. It has much the same Lifted bere, as the Spring-flare and Tredelish bare in the countrol Looms. The Coast flare and Tredelish bare in the countrol Looms. The Coast with a sixel of Ilding Knot, which forms a Sort of Madi, or Ring. They ferre to keep the Warp oven, for the Pal-fage of Broaches wound with Silks, Woollens, or other Materia uld in the Piece of Yagibir. Ladily, there are a Number of Intro Sirks, of different Longith, but all door an Inch Dismeter, which the Work-

man keeps by him in Baskets, to ferre to make the Threads man keeps by min in passeers, to here to make the I hreads of the Warp crofs each other, by passing them across: And that the Threads thus crofs'd may retain their proper Situation, a Packthread is run among the Threads, above

The Loom thus form'd, and mounted with its Warp, the first Thing the Workman does, is to draw, on the Threads of this Warp, the principal Lines and Strokes of the Defign to be represented on the Piece of Tapistry, which is

done by applying Cartoons made from the Painting be introduced by the state of the first the property of the Side that is to be the worned Side on the Picces, which was the picces of t

Shift, from which a Picci is smalled from Time to a time, or the Work precords.

Bridder the Loon, [cf. here deferfield, there are Three Shift, and the state of the Loop of the Shift, and the Shift, or Wood look and the Shift, and an Iron Nordin.

The Broach is often Mond, or as landes long, and the Three Shift, and the Shift, and the Shift, and the way Three of an losh thick, rading in a Point with a little way the Shift of the Shift of the Shift, and the Shift of the Shift of the Shift of Shift of Shift of Shift of Shift of Shift of Control of the Charles of the Shift of Inch thick at the Back; whence it usually grows less and less, to the Extremity of the Teeth, which are more or less apart, to the EXERCENTY OF the EXERT, Which are more or ries spers, according to the genere or left Degree of Fineress of the intended Work. Laftly, the Needle sin Form of the common Needle, only bigger and longer. Its Ufe is to prefs cloff the Wooll and Silks, when there is any Line or Colour that does

nor fit weil.

All Taings being prepared for the Work; and the Workman ready to begin, he places himfelf on the wrong side the
Plece, with his Back towards the Defing; for that he works,
as it were, blind-fold, string northing of what he dees, and
being obliged to quit his Poft, and go to the other Side the
Loon, whenever he would view and examine the Piece, to

Loom, whenever he would view and commine the Piece, to curred it with his Prefling, Needle.

To put any Silk, Eds. in the Warp, he first turns, and looks at his Delign: Them seltings a Breach full of the proper Colour, he places it among the Threads of the Warp, which he brings across each other with his Fingers, by means of the Coars or Threads fifted to the Sani: This he red the Coars or Threads fifted to the Sani: This he red

of the Coars or Threads fathered to the Staff: This he re-petate every time he is to change his Colour.

The Silk or Wooll being I leed, he bears it with his Reed or Comb; and when he has thus avaught in feveral Rows over each other, he goes to fee he fifthed hey have; in order to reform the Coutours with his Needle, if there be occa-

As the Work advances, they roll it up on the lower Beam, and unroll as much Warp from the upper Beam, as for less them to continue the Piece: The like they do o the Defign

hind then When the Pieces are wide, feveral Workmen may be em ploy'd at once,

We have but two Things to add: The first, that this bigh Warp Topiftry goes on much more flowly then the ere Warp, and takes almost double the Time and Trouble. The second that all the Difference the Eye can observe between the two Kinds, conflits in this, that in the low Warp there is a red Fillet, about one Twelfth of an Inch broad, running on each Fillet, about one Twelfth of an Inch broad, running on each Side, from Top to Bottom; which is wanting in the high Warp

## Manufalture of TAPISTRY of the low Warp.

Mampfellur of Taxivax of the low Forp.

The Loon or Fance wherein the low Way is surrought, in such like that of the Weivers. The purcept form thereof are two firms of Pence of Wood Germagne Stene of the Loon, and bearing a Binn or Roller at each Fed. They make the look of the Loon, and bearing a Binn or Roller at each Fed. They Mamer of Prefiller at the Fore with a kind of Bartrefits, which Mamer of Prefiller at the Fore with a kind of Bartrefits, which Weiver a bearing on the fore Beam so came four of the Weiver and Long to the fore Beam so came from or fore Tax Roller laws each their Trumbour, by which they use long Along et al. Beam with a first market for the Weiver and Jonath of the Came of the Roller Tax Three fifth with the Weiver and Jonath the Level of the Roller Tax Three fifth with a long the Roller and Jonath the Level of the Roller Tax Three fifth with the Weiver and Jonath the Level of the Roller Tax Three fifth with the Weiver and Jonath the Level of the Roller Tax Three fifth with the Roller and Jonath the Level of the Roller Tax Three fifth with the Roller and Jonath the Level of the Roller Tax Three fifth with the Weiver and the Roller and the Weiver and the Loon part of the Weiver and the Weiver a

The Defign or Painting the Topifiry-mass is to follow, is placed underneath the Warp; where it is futtain'd from Space to Space with Strings, by which the Defign is brought nearer

The Loom being mounted, there are the flute. The Flute in working of it, with the Reed and the Flute. The Flute does the Office of the Weavers Shuttle: Tis made of a hard, does the Office of the Weavers Shuttle: The hard with the Ends, and The Loom being mounted, there are two Instruments used does the Giffee of the Westever Shantile: This made of a hardy possible Wood, price or tour Lies at their at the Ends, and of the Company of the Company of the Company of the On it see would the Silks, or other Mattern to be uffed as the Wood of the Tapither. The Company of the Wood, or Ivery; it has uffaulty Tewth on both Sides; it is about an extra the Company of the Company of the Company of the Extracting of the Tewth in Hersen both the Theories of the Wood cloth to each other, as full as the Workman has paffed and plotted them with his Flate among the Threads of the

The Workman is feated on a Bench before the Loom, with The Workman is selected on a Bench before the Loosin, with his Breaff againft the Beam, only a Cuffilio or Pillow between them 3 and in this Pollure, feparating, with his Fingers, the Threafs of the Warp, that he may fee the Defign underneath, and taking a Flure, wound with the proper Colour, he paffer it among the Threads; after having raised or lower'd them, by means of the Treadles moving the Spring-

flaves and Coats. flaves and Costs.

Laftly, to prefs and clofe the Threads of the Silk or Yarn,

E.c. thus placed, he fittikes each Courfe (i. s. what the

Flure leaves in its paffing and coming back again) with the

Reed. What is very remarkable in the Manufacture of the low Warp, and which is common to it with the high, is, that 'is all wrought on the wrong Side; so that the Workman cannot fee the right Side of his Tapifry, till the Piece be finished and taken off the Loon.

TAPPING, the Act of piercing a Hole in a Veffel, and applying a Tube or Cannula in the Aperture, for the commo-dious drawing off the Liquors contain'd therein.

Tarrino, in Agriculture, is the making an Incifion in the Bark of a Tree, and letting out the Juice See Bark. To Tap a Tree at the Root, is to open it round about the

Rose. Rarrey, the learned Seet, affirms, that he has found by Ex-periment, that the Liquew which may be drawn from the Birch of the Seet of the Seet of the Seet of the Seet of the Tree, Benche, Rosen and Seet of the Seet of the Seet of the In the Tapping of Trees, the Juice certainly skends from the Rose, and sterre it is Concoferd and Affinialized in the Branches, Eds. defeated like a Liquor in an Akenble, to the Orfice of Inciden, where it tillness of the Seet of 
Orince or Incition where it inform out.

One of the most efficiant Ways of Yapping, to at to obtain
the greated Store of Sap in the Binerrell Time, is, not only to
pleare the Bark, nor yet to cut the Body of the Tree almost
to the Pith, with a Childi (as fome have directed) but quite
through all the Circles, and the linner Rind itself, on both Sides the Pith; leaving only the Outermost Circle, and the Bark on the North-East Side unperced.

Back on the North-Ball Soft ungienced.

Bac rish Bots is no be boord floging approach, as large as the larged flagger you can get, will make; and that also through and under larged Amp, early organ the Ground So will it not need any Sone; to keep open the Ordice, nor Tay to This Way, the Tree will, in them Time, affect Liques crough, to Brew withhal and with force of this force Support of the Company of the

## To preferve the Sap for Brewing.

Infolate it by a conflant Expofure to the Sun in Glaffes or other Veillel, till the set the gather'd and ready 3 otherwise it will controll an Acidity: when you have comple, pat into it as much very thin cut, and hard toufied Rye-bread, se will fire to ferment it; and when it works, take out the Bread, and bortle up the Liquor. A few Cloves in each Veill hart receives the Sun, as it coors from the Tree, will certainly preferve it a Twelve-month. Dr. Tonge in the Philosophical Transactions.

Tapping, in Chirurgery. See Parenthesis, Dropsy,

TAR, a groß, fatty Liquer, iffuing from the Trunks of When thefe Trees are on the Return, and only fit for burn-ing, they cut off the Bark all around towards the Root, and me, they cut off the Bark all around towards the Root, and through theft Indifions, there continues flowing, for a con-fiderable Time, a blacklift Liquor, which is the Yar. When this certes, his a fure Indication the Pice is quire clead, and only fifther the Fire.

The chief Use of Tar, is for the Coating and Caulking of time. See Carleing, Ec. Of Tar, boild to a sufficient Confishence, Pitch is made.

TARANTISMUS, in Medicine, the Dif after Affection of those bit by the Tarantula. See TARANTURA.

Dr. Cornelle, in the Philosophical Translations represents this as an imaginary Diffest's g and rells us, that all shole who shink themselves friend with it (excepting fach as for particular Ends steps themselves for joint could be supported by the property of them young wanton Girls, whem the Italian Writers call Dounc at fall, the thin in the property of the pro wanton Oiris, whem the Haston Writers cill House at Jace, who falling, from force particular Indifficients, into a mediancholy Macnets, periada themselves, according to the valgar Periadics, that they have been lung by a Tarantain.

The principles of the Periadics of the One of the Periadics of the One of t

fixeng to be this overturated a as was appear now using Articles. Using Articles (1994), or TARRE-NTILLA, in Natural Hillion, a vaccionaria in the Articles of the Articles (1994), a vaccionaria in the Articles (1994), a vaccionaria in a keal of Spider, decoministe firm Tar Artennida is a keal of Spider, decoministe firm Tar Artennida is a keal of Spider, decoministe firm Tar International and the spider feet, and at many lyes; it to clore various; but it this short in the spider feet, and at many lyes; it to clore various; but it Taraks, made a first the backed, with the Tips executingly flurn; they which it conveys its Notion. Transla, made a first he backed, with the Capital at feeting for Food, officially whereas the conjectures they may be a kind of moveable Notices.

Notifils.

The Termetals is found in feveral other. Parts of Roly, and even in the life of Coffies but those of Applies above and even in the life of Coffies but those of Applies above the Role of the Plains are much to be faced on the Plains are much to be faced a few lat his long house there, then on the Monantins.

M. Gerffrys adds it as an Opision of fount, that the Farmential is never exensions but in the coupling Scaffor, and Terminal is active reasonable but the Role of Scafford, that the never fo, but in the Rel of Santaner, particles of the Role of Role o

Soggies, that 'the rever fix her in the Heat of Summer, par-ticularly in the Disp.Days, whos, becoming energid, it is calcularly in the Disp.Days, whos, becoming energid, it is calcularly in the Disp.Days, which at first appears much like that first on the Striging of a Ber, or a Aer: In a few Hours, the Pariette field a land of Numbuchi; and the Part Plour, the Pariette field a land of Numbuchi; and the Part Hours, the Pariette field a land of Numbuchi; and the Part Hours, the Pariette field a land of Numbuchi; and the Part Hours, the Pariette field a land of Numbuchi and the Part Hours, the Symptoms come Kinewhat differently, accord-ing to the Nusse of the Normania and the Displation of the Pariette fixed of the Normania and the Displation of the Pariette fixed of the Normania and the Displation of contrary, an Affiction for Wiste, Red, and Green, accordance of the Nusse of the Normania and the Normania and the Contrary and Affiction for Wiste, Red, and Green, accordance when the Normania and the Normania and the Normania and the Distance of the Normania and Strike and the Normania and the Distance of the Normania and the Normania and when the Normania and the Normania and when the Normania and the Normania and when the Pariette his the time on make a fram Men-tion. His Fingers first begin to more in Cadence, then his benthe the first only the Termina and Additive that is and Additive the Pariette her than the Lindon's Carlon and and Additive that it is and the Displation of the Normania and the Termina.

length he rifes on his Feet, and begins to came 5 and occupa-and Activity full increasing. Some will continue the Dance for fix Hours without Internsifium. After this, he is put of Bed, eiently recruited of his first Dance, he is call'd out of Bed,

by the fame Tune, for a Second.

This Exercife is continu'd for feveral Days, fix or feven at most; in which time the Patient finds himself exceedas most; in what time the rateout mass nimers exceed-ingly fatiguid, and quable to dance any longer; which is the Characteritic of his being cured: For as long as the Poifon acts on him, he would dance, if one pleas'd, without any Discontinuation, till he died of the mere Loss of

The Patient perceiving himfelf weary, begins to come to himfelf; and awakes, as out of a profound Sleep, without any Remembrance of what had pass'd in his Paroxysin, not even of his Dance.

even of his Dance.
Sometimes the Patient, thus recovering from his first Access, is quite cured; if he ben't, he sinds a medanchely Gloom hanging on him; he finans the Sights of Mrn, and feeks Water; and if he ben't carefully look'd to, shrows himself into Bone River. If he deal't die, the Fireturna at shat Time Twelvenmenh, and he is driven to dataset again. Some have had thele Returns regularly for so 6 '90 sights. Some have had thele Returns regularly for so 6 '90 sights.

Years. Every Terentatus, or Patient in this Diffeste, has his par-ticular and specific Tune; but, in the general, they are all very heisk, frightly Tunes. See Tune.

This Account was given into the Royal Academy of Sciences, by M. Goeffrey, at his Return from Italy, in 1702; and consum d by Letters from F. Gospe. The like Hillery.

is given us by Baglivi, in an expreli Differtation on the Ta-ransiule, publish d in 1696.

To feeb extraordinary Facls, 'tis no Wonder a few Fa-bles should be added; as, for Instance, that the Parient is no longer affected than while the Instell lives y and that the Taransula itself dancet, all the while, the fame Air with the Person better

Theory of the Effects of the Tarantula's Bite, by M. Gooffroy,

The poisonous Juice injected by the Tantantia, M. Gorjfrye concrives, may give the Nerreu a Dugter of Tention,
frye concrives, may give the Nerreu a Dugter of Tention,
the state of the State of the State of the State
intelligence of the State of the State of the State
gain and Mosion. But, at the firms time, this Tention, equal to
theref of tems Strings of an Instrument, pass the Nerreu in
the off form Strings of an Instrument, pass the Nerreu in
being agitated by the Undelstane, and Vilentines of the
Arr proper to their Orner. And brose this wooderful Care
by Mulie! The Nerreu than striked to their Motion,
the Nerreu than striked to their Motion,
the Nerreu than the State of the State of the
the State of the Nerreu than the State of the Nerreu
than State of the Nerreu than the State of the Nerreu
than State of the Nerreu than the State of the Nerreu
than the Nerreu than the Nerreu than the Nerreu than the Nerreu
than the Nerreu than the Nerr them, Sec Unison.

them, Sec UN100M, It may be added, with fome Probability, and on the fame Principles, that the Patient's Aversion for some Colours artifels beneve, that the Tendion of his Nerreye, even out of the Patroxysin, being filld different from what it is in the actual Strate, the Viterations those Colours occasion in the Pibers of the Brisis, are contarty on their Disposition, and occasion a kind of Diffeoence, which is Pain.

Theory of the Effects of the Tarantula's Bite, by Dr. Mead.

The Malgairy of the Polica of the Tanannia forms to could it in a great Force and Energy, whereby it immediately a street of the Tanannia forms to could it in a great Force and Energy, whereby it immediately date? it The Confequence of which Alternian, when the Enallistic in over, and occertifiely be a Change in the Enallistic in over, and occertifiely be a Change in the Enallistic in over, and occertifiely be a Change in the Enallistic in over, and occurring to a comparison of the Conference 
general control in the three space, unusual regions, and the space, unusual engeling, differing seconding to the Conditions of their Oberfan, as no Majoriada, Figure, Lee, the Imperation of their Oberfan, as no Majoriada, Figure, Lee, the Imperation of their Oberfan, as no Majoriada, Figure, Lee, the Imperation of the Condition of the State of the Condition of the Condition of the State of the Majoriada of the Condition of the State of the Majoriada of the Maj

Perfons the; because in this Continuation of the nervous Fluid, the most light Continuation and the server of Refull, the most light Continuation and the server of the continuation of the decision of the continuation of the co

traction of the Fibres, from the arterial Fluid's making an

Effervescence with the nervous Julee, which, by the light Vibration and Tremor of the Nerve, is derived into the

Mufcle,
Thus there is a two-fold Effect and Operation of the
Mufic, that is, upon the Body and the Mind; A brink Har-mony excites Hively Species of 190 and Gloddeet, which are always accompanied with a more frequent and through Pufic, or an increased influx of the Liquot of the Nerves into the Mufclers; upon which furithit Address mult incrediately

MacKers, a spon which facinity. Actions mult immediately format and the property of the proper

oct, that it is demonstrated in increasines, that the insalled Percuffion of the finalled Body, may overcome the Refifiance of any the greated Weight, which is at reft; and that the languid Tremor of the Air, which is made by the Sound of a Drum, may flake the valled Edifices.

may flashe the valled Riddices.

But befinder his, we must allow a great deal to the determinant love, and particular Medication of the trembling control of the property of t

This makes it no difficult Matter to conceive, why diffe-rent Perfons infected with this fort of Venour, do require a dis-ferent Sart of Mufic, in order to their Care; institute as the Nerves and diffractile Membranes have different Tenfions, and confequently are not in like Manner to be acted upon by the fame Vibrations.

TARE, in Commerce, any Defect, Wafte or Diminution as the Weight, the Quantity, or the Quality of Goods, The Seller is withilly to account to the Enyer for the Tare and Iret. See Take.

TARE is particularly u<sup>2</sup>cd for an Abatement, or Deduction in the Peice of a Commodity, on account of the Weight of Cheth, Cuks, Bags, Frails, &c. The Tare is very different, in different Merchandines; in

The Ture is very different, to different Merchandines; in form, there is none at all allowed.

This is Thing much more regarded in Holleard than in England or eliwhere: A Modern Author, M. Roard, treating of the Commerce of Amplitudess softieves, that the Jerus see one of the most confidentiale Articles a Marchine is to be acquainted withal, if he would trade with Security.

cuitys comments, the Greek as it were, required by Californ, book governly to word oil Thiptore, the liber and Celle made a particular Agreement about 16. We fluid been add from the fore-entertied valued, from the incomentation of lands, from the incomentation of lands, from the fore-entertied valued, from the line of Green illuvies at Application, referring the Render for a more ample Account Application, referring the Render for a more ample Account Parisity World Service (1997). The control of the Book and date the California of the California agreed on before.

Tare of Roman Alum is 4 lib. per Sick.
of Brift, Sc. Butter, 20 per Cent.
of crude Borax, 14 lib. per Cent.
of Cincamon 17 lib. the Burthen.

of Capers 3: per Cent.
of White Pepper 40 lib. for Barrel
of Black Pepper 5 lib. Sc.

TARGET.

TARGET, a Shield ; thus call'd from the Latin, Tergum I MACHE A, A SHOWES; thus can defront the Latin, Tergion, Back, because originally made of Leather, wrought out of the Back of an Ox's Hide. See SELECT and BUCLELE.

TARGUM, in the facred Literature, a Name the Jews give their Cokeler Gloffes, and Paraphrases on the Scripture, See Panaphrases.

See CLARFULASE.

As the free, during their long Captivity in Bodysies, had forger their accion Language, the Holorey and now understood nothing but the Language of their Mafers, the Chaldents There was a Nocedity of explaining the Prophets in that Language and to this Nocedity, is own the first beginning of the Chaldent Perspherafe to make the Senfe of the Consumerical Sec. (2013).

beginning of the County Frequence to make the Soulse of the Taxt underflood. See Chi Aldro E., Beech Doctor made a Paraphrate to make the voltage Tongue; and as these several Interpretations in Time, became very Voluminous, certain Rabbins undertook to collect them together; and this Collection they call'd the

Targum. The Geesib Doctors don't agree about the Antiquity of the Targum; for the more modern Jews having blended their own Comments with those of the Antients; no certain Age or Æra can be fix'd for the whole Work

or Æx can his for'd for the whole Work.
This commonly believed, that R. F. Gandidas, who Itself
This commonly believed, that R. F. Gandidas, who Itself
This commonly believed, the first Hotalieve
Leis on the Prophens and with this Verfion misd the
Interpretations of Italiana, Robels, it occurs, regardless
the first thing the Common of the Prophens of the Common of the who lived

Tangum of Jenathen and Onkeles, is the only Paraphesle of any Authority. See Pana.Parlna.se.

The Account afcribed to Scaliger, is this: The Hebrew was translated under the Reign of Tiberius into Chalden, by Jourthus; the Prophes by Johnsles; and the Book of Mojes into good old Hierobolymian, which was then used at Jeruja-

and good one riscrotorymian, which was then died at Yeruja-lem, much as Latin is among us.

"Tis certain, there was a Targum Hierofolyminamum filli extant: It was wrote in the vulgar Tongue; but that being then greatly corrupted, we have now much ado to underfland

In.

Those Tengandji night have feen Jufus Christ, with fare Those Tengandji night have feen Jufus Christ, with fare TARIFF a Book of Rases a Those, or Cataloga, drawn, midley, in Alphabeteal Oder, containing the Names of Iseral Kitols of Merchardias, with the Ambority, and apreced on between the feveral Pinicas and States, that hadd Commerce together. See Devrita.

TARNISHING, a Diministion of the Gerul Pinicas and States, that hadd Commerce together. See Devrita.

Gold and Silver, when Yormfid. refines their highened, by fetting them over the Fire with certain Lists. Copper, Fewer, 6g., that see Yampid., scover their Lattier with The Bertal of Women, saler their monthly Paraginate.

Tripoil and Por-alines.
The Breath of Women, under their monthly Purgations,
Arifolde afferts, straightes all Mirrors, Sc. See Minness.
Arifolde afferts, straightes all Mirrors, Sc. See Minness.
TARR PAWING, of the Soene, Yare, and the Latin,
Pallima, Clook, a. d. a seried Girment; is a Piece of Carwith, well turred over, to keep of the Rian from any Place.
The Term is also used in Derition for a Perfon bred at Ses,
and educated in the Minners Air. See Manners.

TARPEIAN, in Antiquity, an Epithet given to a Rock in ancient Rome, of furprixing Height; whence, by the Law of the Twelve Tables, those guilty of certain Crimes, were precipitated, "Twzs on this Rock the Capitol was built, See CAPI-

It took its Name from a Veftal, call'd Tarpeia, who be-tray'd the Capitol, whereof her Father was Governor, to the Sabinars on Condition they would give her all they hove on their Left Arms, meaning their Bracelets. But inflead of Bracelets, they threw their Backlers (which were likewise home on their Left Arms) upon her Head, and craft'd her to

Death.

Others aftribe the Delivery of the Capitol to her Father Sparins Tarphins; and add, That he was precipitated down this Rock by Remulatis Other; and that this, henceforward, became the Panilthment of all Criminals of the like Kind.

The Tarphins Games, were Games inflitunced by Remulats, in Hoosour of Tarphins Fathers, were Games inflitunced by find the like Kind.

See Capitolini, TARRASS, or TERRASS, a Sort of Plaister, or strong TARRASS, or TERRASS, a Sort of Platiter, or firong Mortar, chiefly ufed to line Badion, Cifiteres, Wells and other Relevoirs of Water. See MORTAR, CLSTERN, Ed. TARSUS, in Anatomy, is what we vulgarly call the Impley p king the Beginning of the Foot on the Space between the Ankle and the Body of the Foot which is call'd

Metatarfus. See Foot.

Sen Asynchans, and by the Joseph Padis, or Calcary Edition.

The fecond call'd the Cais, or Calcar Fadis, or Calcareness the third Noncuclare, and by the Greeks Scappedides 5 the fourth, fifth, and fixth are generally call'd Innominata, but by fourth, fifth, and taxeh are generally call'd Immunicata, but by Fallsprint, trom their Figure, Consistentia: Lafly, the 7th, the Carborides. See each deferibld under its proper Article, Cales, Naniculare, Innominata, &c.

Tarness is also a Name given by some Anatomists to the Cartilages which terminate the Palpebre or Eye-lids. See

PALPEBRA. They are exceedingly thin and fine, which makes them They are executingly that a first first of the upper Eye-light and firstible.

Their Form is Semicircular: That of the upper Eye-lid, is form-what tonger than that of the under: They ferre alike to close the Eyes. See Cruza.

TARTANE, a kind of Bark uled for Fifthing and Cac-table and the analysis of the Eyes.

riage; having neither a rais'd Poop, nor Prow; and also using

Tartines are common in the Mediterranean: They have only a Main-mail, and a Mizzen: Their Sails are triangular. When they put up a fquare Sail, 'tis call'd a Sail of For-

Now.

The Art of Chronifty Sc. A Kind of Sala, which are the Art of the Chronical Scholar and Companies of the Chake, formus a greyiff Conit, which hardens to the Confinience of a Some. See Salar. As the Art of the Chake, formus a greyiff Conit, which hardens to the Corpe for its Fances, See Salar. As the Jaice of the Grape for its Fances, Permonation for its Maries, and the Carlo for its Maries. See Wyine, 40°.

Int Goodenia surface depends on the Number of repeated Carlo for its Maries. See Wyine, 40°.

Int Goodenia surface depends on the Number of repeated Carlo for its Maries. See Wyine, 40°.

Int Goodenia surface depends on the Number of repeated Carlo for the Marie and Maries and Carlo for the Maries and Maries. The Maries and Marie the Wine it is rais'd from.

the Wine et is tais'd iron.

That brought from Germany is the beft, as being taken out of those monitrons Tuns, some whereof hold a thousand pipes of Wine; so that the Salt has Time to come to its Conflittence, one of the chief Qualities to be regarded in

Mestars. That of Munifellier is the next in Order; then that of Lyans, Perrs, Sec. White Variors is preferred to ted, and is really better: The Marks of good Nature of either Kind, arx, in being thick, better, beilliams, and very little Earthy.
Yariar is of confidentiale Ufe among the Opers; as feering to dispose the Sullis to take the Colours the better. See

DYING

ing to the proper to the property of the prope

Bortom of the Vetill. This is the Milkall, or field Salv of Tearner, See Salvar, it is the Milkall, or field Salvar Garrers, See Salvar, it is the Milkall of Tearner exposed to the Agrier from Dars, in an open Vetill, in a morif Flaze, till is diductive into all Oils, the Vita improvely to called, being an open of the Milkall of the Tearner for Allegions, it is deal the best Remedy against corroller Salvarians, in these Land Milkellers of Flaze see, and the Children of the Milkall 
TARTAR Emetic See SEMETIC.
TARTAR Soluble See Soluble.

TARTARIZING, a Term used by some Writers, for the Act of Refining or Purifying, by means of Salt of Tartar. See TARTAR.

TASSEL, a Sort of pendant Handle, hanging down from a Cufhion, or fuch like Thing: Also a fuall Ribbon or Silk

a Cultion, or just like Thing: Allo a least Ribboo of Sike few it on a Book, to be put between the Laves.

TARLES, in a Building, are those Pierce of Boards that lie under the Easles of the Mandel-Trees. See MANYLE.

TARRES, or Tirecere, is also and in Falconay for a Madel Hawk. See Hawk and Falcon.

TARRES are also a kind of hard Boart, suice by Clothworkers in derling Cloth.

TARLES AREA OF THE SECTION OF

TASTE, or Senser, a Senfation, excited in the Soul by means of the Organ of Yaffe; wix, the Papille of the Tongue, &c. See Sensation and Tatingo.

Dr. Green, in a Lecture on the Divertity of Yaffer, before the Royal Society, diftinguiffies them into Simple and

Component.

By the former, he understands such as are Simple Modes of Taße, although nungled with others in the fame; thus the Taße of a Pippin is Act-duct; of Rhubaris, Amara-firingent, and therefore compounded, in both; but yet in the Pippin the Acid is one simple Taße, and the Sweet another; as distinct as the Bitter and Altringent are in the Rhubarb

Two Faults, he observes, have here been committed a The first, a defective counterating of simple Tages, and reckoning them, indistinctly, among such as are com-

pounded. Toptet, of which we affailly only reckon fix or feven Sorts, are at least fixteen 3.1. Bitter, as in Wormwood; whole Contrary is, 2. Sweer, as in Sugar, 3. Swer, as in Vinegar; whole contrary is, 4. Soft; 5. Hef, as in Vinegar; whole contrary is, 4. Soft; 5. Hef, as in Vinegar; whole contrary is, 4. Soft; 5. Hef, as in vinegar; properly lay cold Teph, as in hot coe, fince the contrary is a superior of the soft of the contrary in the Sense of Cold upon the Tongue, the not to the Touch. Aromatick; to which is contrary, 8. Nonfecers, or malig-

He thinks also that Talles may be distinguish'd into such He traines also that 2 gots may be dritingualfy into lach as me, 9. [6]; which are either Vappid, as in Water, Starch, Whites of Eggs, 6/c, or Undianus; as in Oils, Fat, Esc. 10. Or such as are kear's, of which he reckons four Kinds, as, 11. Pemerrans, which worketh itself into the Tongoe with-11. Penetrant, which worketh Held into the Yongoe win-out any Pungercy; as is found in the Root and Leaves of wild Cucumber. 12. Statefficieux, as in the Root of black Hellchore; which being chew'd, and for forme time re-taind upon the Tongoe, affects that Organ with a Numb-

tun'd upon the Tongoe, affeld that Oggas with a Neuds-netf, or Englys's Depute 1. 1, Affricage, ni a Galls: And, 14, Pougen, as in Spirit of Sal Armonia; s which two last 'Zeight in enaise coursary to the Chickon, a Freetzear and Carlo The Conformat Topic are very mamerous; but we have Words to expertle but fix of them, 1. Appler, which is admaper and bitter, as in the green and left Souce of Congress. 2, Amerope 199 in 2014, Spirit and pan-graph of the Carlo Topic and the Sal Carlo Topic and the Carlo Topic and the Carlo Topic and the Sal Carlo Topic gain, as in common Sult. 5, Lierieuts, which is slating gain, as in common Sult. 5, Lierieuts, which is Sultan Taxar, in a Figurative Scale, is apply to the Jaguages.

Saltment join'd with Pungency and Cold.

TARYE, in a Figurative Scene, is apply'd to the Judgment and Differenment of the Mind.

We talk, and we hear Talk, every Day, of Tafte, of good Tafte, and of bad Tafte, and yet without well understanding what we mean by the Word: In Lifted, a good Tafte fecuns to be little eith but right Reafon, which we otherwise ex-

to be little cite but right Reason, which we otherwise ex-press by the Word Jusquemer. See Ranson.

To have a Infle, it to give Things their real Value, to be tuested with the Good, to be shock d with the Ill; not to be dazzed with falle Lutres; but, in fight of all Colours, and of every Thing that might deceive or anuse, to judge foundly.

isourity, and Judgment then floodly be the fine Thing, and yell cally of differen a Difference. The Judgment form six Opinions from Reflection, The Rasion, on this Ocean-on, feethers shirt of Cricuit to arrive at its End; the Judge's poles Principles; it draws Confequences; and it judge's but not without a through Knowledge of the Calls, that after it has presented, it is ready to render a Resion that there is the presented of the Calls of the Calls there were the string to condict, in her taken in Side: that after it has promoney'd, it is ready to reacher a Rentin of its Decrees. Gost Jole observes mose of other Derman, littles, eter it has turn to coolida, it has rathen in Sole-manned; the Southern Gord's, also more of it.

As the Eur is wounded with a harft, Sound; as the Souel is foodful with an agreeable Color, before ever the Eacher is foodful with an agreeable Color, before ever the Eacher have modeled with time! Objects, to judge of them; so the have modeled with time! Objects, to judge of them; so the proper of the color of

dictioner white; it was determined it to think as it did, difficult with a life of the Thin Condect is very different from that the Judgment effectives in its Desificus; unleft we challe to fay that Good relations in the property of the Condective of the Condectiv

One might perhaps improve on this Idea; and fay, that Good Taffe is nothing elfe but a certain Relation between the Mind, and the Objects prefented to it.

Mind, and the Objekts performed to it.

A right Realist cannot have be rowed and affected with
A right Realist cannot have be rowed and affected with
right Realist Control of the Control of the Control

y: There is, then, a few and womended by their control

y: There is, then, a few and women of the Control

with the Control of the Control

with Control

with Control

with Control

with Control

with Control

Thought, this Realisting, will immediately be off by a

Perform of Fifty; I be Annipulay Reverse wilfeld by a Morement of Avertion, as Indefin, as lively, and as natural,

as that which Nature Inferre ou within for Tood or Syg.

as that which extend angules deep. See Beauty.

TASTING, the Senfe whereby we diffinguish Savours or the Ferception the Soul has of external Objects, by meant of the Organ of Yofe. See Sames and Taste.

Author A much as to the Organ of Taffing.

of interpretable of the States and There's.

Authors have differed much as to the gaps of Tabling,

Studius, Bartholin, Foffingias, See, place is in the laser
fiship Frant of the Noges of Dr. However in the Gland at
cocreins the Tonges of Dr. However in the Gland at
cocreins the Tonges of the House, the Control of the
gent Majorgis, and feet him, all the lated Writers, place
is in the Equility, thereby lying about the Tip and Sides of the
Time Fagilite and from the Corpus Nerrodum that
covers the studius Fleth of the Tonges whence, palling
there the Corpus Referalists, they find any under the extraform the Tip and the Corpus Referal the Corpus Referalists, they find any under the extraor Sixtats of the faid Membrane, to defend them from Obicel the outputs. The Fallings of Pallitas.

resident of the data menument, to detend them from Ob-jects too violent. See Papiera.

Thele Vagine are porous; and flick out to far, that when the aliment is fiqueed, they enter within the fame, to re-ceive the Object, or the Matter of Taffe.

Thefe Papiller, Boerbace conjectures, to arife from the

Organ of Title: Those others of the Tongue, Palate, Jaws, hofe of the Cheeks, next the Dentes Molares, may. See

The Object of Tagling, is any Thing either in Animals, Verralted, See Salt.

centracted. See Salve.

"Agiling, then, is performed by the Objects being attendated, and mix'd with Salvia, warmed in the Mooth, and apply of the Tologope, where, infinanting into the Free Company of the Company of or the Disposition of the Papilla to receive the Impulse. See

SENSATION.
TATIANITES, a Sect of ancient Hereticks; thus call'd

TALIANITES, a Sect of socient Heretick's than call's from Statins, a Diciple of Joint Marryy.

This Tatism, who has the Characker of one of the moft learned Men of all Antiquity, was perfectly Orthodox daring the Life of his Master. He was, like him, a Sammerica, by Nation, not by Religion, as Epifocuniar terms to infiniate. They born belonged to those Greek Colonies speed throughout the Country of the Sammerican.

throughout the Country of the Suntariant.

"July line being deal, Arian pays into the Faron of the Francisco Figure State of Arian pays into the Faron of the Francisco Figure State of Manor have, of having their Tennut Sheep Soldent a Night upon their town Grant of the Dupters in a Garriero, of a rope-sq. a Best of a Dupters in a Garriero, or to their Tennut Sheep Soldent in a Garriero, or to their Tennut in a Carriero, or to their Tennut in a Carriero, or to their Tennut in a Carriero or to their Tennut or to the State of the Carriero of the State of the Carriero or to their Tennut or to the State of the Carriero or to their Tennut or to the State of the Carriero or to the State of the Carriero or to the State of the Carriero or the State of the Carriero or the State of the State of the State of their tennut or their tennut or the State of the State of the State of the State of their tennut or thei

3. Tom, pag. 121.

TAU, or Taw, in Heraldry, an Ordinary, in Figure of a upposed to represent a Cross potence, the tup Part cut

| TAU  | J  | [   | 18                    | 2 ]   | T A                           | A                | U   |                          |   |            |
|--|--|---|-----------------------|---|-------------------------------|------------------|---|--------------------------|---|------------|
| TAUGHT, Tight, in the Se<br>fetting 2 Rope fliff, or faft.<br>Thus they fay, Set taught the<br>other Ropes, when they are too<br>TAUNT, 2 Sea Term: Wh   | a Language<br>e Shroudi,   | t, is the fan   | nc as<br>any          | Homes and Stuation of the Stars.  |                               |                  | r 11<br>02 12                             |                          | itude.<br>, ,,                                      | land.      |
| TAUNT, a Sea Term: Who too tall for her, the Sailors fay,<br>TAURI liberi Liberta: he specified the state of th | en the Ma<br>fhe is tann<br>fome ancie<br>to all Ten                 | fts of a Ship<br>t-mafted.<br>nt Charters,<br>ants within f   | Tan-<br>nch a         | Subfequent<br>Preceding below the Hyan<br>In North Eye<br>70  | Ics                           | 4 2              | 25 18<br>56 57<br>07 11<br>39 12          | 15.                      | 2 44A<br>2 36 E<br>76 53A<br>35 58A<br>13 43A       | 1          |
| TAUNT, a Sea Term: Who call for her, the Sailors fay, TAURI liberi Libertas: In yus liber fignifies a common Bull Manor or Liberty, Cum liber liberi Apri, &c. TAURUS, in Aftonomy, d. Signs of the Zodiac, and the and Constellation. The Swe in the Confediation.  | tate Jakua<br>ne Bull ; o<br>fecond in C                             | ne of the To<br>order. See                                    | welve<br>Sign         | Double one 'twixtNoft.&<br>In the following Shoulder  |                               | 3 3 3 3          | 22 25<br>16 25<br>36 51<br>11 31<br>56 42 | 5                        | 19 01 A<br>17 16 A<br>12 55 A<br>10 32 A<br>16 26 A |            |
| ralogue are 44; in Tycho's Cats<br>Catalogue 135. The Longitud<br>So, whereof, are as follow:  | logue 41;<br>les, Latite   | in the <i>Brit</i><br>ides, Magnit                            | Ca-<br>annio<br>udes, | 75  |                               | 3                | 07 06<br>57 22<br>44 57<br>05 43<br>12 35 | 8 6                      | 7 45 A<br>12 04 A<br>14 25 A<br>13 28 A<br>10 53 A  | . ?        |
| Stars in the Constell  |  |   |                       | 80 So   |                               |                  |   |                          |   |            |
| Names and Situation of the Stars.  | Longitude<br>0 , "<br>16 49 36                                       | Latitude.   | Mag. 4                | Middle, beneath the Hya<br>South Eye, Politicium Alde<br>In the following Leg                                 |                               | ۶                | 42 07<br>27 00<br>27 10<br>54 15          |                          | 5 06A<br>19 45A<br>16 51 A                          |            |
| That following it<br>That following this<br>North of 4 in the Section<br>That fol. this in preced. Should  | 17 33 43<br>18 44 58<br>19 15 18<br>18 47 41                         | 9 21 47A<br>8 49 48A<br>7 23 29A<br>5 57 13A<br>9 30 27A      | 6 5                   | Preceding in the hind Kno<br>85<br>Subfequent beneath Hyad  |                               | 6                | 07 14                                     | 6 1                      | 9 15A   | 1,         |
| I nat too, this in procon, anome.  | 22 50 08   | f 02 24 B   | 6                     | Subfeagent in hind Knee   |                               | 5 7              | 49 58                                     | 0.4                      | 2 35A<br>5 14A<br>10 23 E<br>17 25A                 | 3 4        |
| Proced. Inform. under the Foot   | 23 06 10<br>17 38 38<br>24 26 24                                     | 3 41 37 B<br>18 27 41A  | 7 4 7 7 7             | In Root of North Horn<br>90<br>In Root of South Horn  |                               | m 0              | 41 32<br>24 58                            |                          |   |            |
| 10   | 19 03 08   | 7 32 51A<br>16 04 57A<br>0 00 50A<br>0 07 15A                 | 7 7 7                 |   |                               | II.              | 40 f8<br>41 09<br>06 11                   | 6 1                      | 0 35A<br>9 03 B<br>8 31A<br>8 25A                   | 7          |
|  | 23 50 24<br>24 47 09<br>25 07 05                                     | 0 07 15 A<br>3 03 43 B<br>4 19 25 B                           | 7                     | Preced. of 3 over South H<br>9f<br>More South in the South  |                               | 12               |   |                          | 4 34A   |            |
| Preced. of Square of Pleiades<br>In West Angle of Square   | 25 07 05<br>25 05 21<br>25 18 52                                     | 4 19 25 B<br>4 09 05 B<br>4 50 42 B                           | 7 6 5 7               | More South in the South<br>More North<br>Middle of 2 over South I<br>In the middle of the Horn                |                               | 13               | 09 18<br>27 04<br>38 52<br>22 54<br>14 58 | 3 0                      | 6 08A<br>0 59A<br>5 34A<br>8 00A                    | 66         |
| Most North of Pleiades<br>North of Square  | 25 14 42<br>25 21 31<br>25 25 13<br>25 26 40                         | 4 29 02 B<br>4 21 25 B<br>4 31 33 B<br>4 29 49 B              | 5<br>6<br>7<br>7      | In the middle of the Horn<br>too  |                               |                  | 14 58<br>37 31<br>54 66<br>04 29<br>13 56 | 54                       | 2 51 B<br>0 25A<br>0 14A<br>1 34B<br>3 02A          | 776        |
| South of Square  |  | 2 es 47·B   | 1                     | In Extremity of North I   | Iorn                          | 18               | 04 29<br>13 56                            | 5 5                      | 1 34 B  | 2          |
| Lucida Pleiadum  | 25 38 32<br>25 48 08   | 4 or 19 B   | 5 7                   | ror   |                               | 17               | 29 44                                     | 6 3                      | ; ciA   | 6          |
| In Eaft Angle  | 25 56 00<br>26 OI 52   | 3 54 47 B<br>4 or 39 B<br>4 oo 37 B<br>3 41 45 B<br>3 52 37 B | 3 7 5                 | Hindmost of 3 over South  | Horn                          | 18               | 10 06<br>49 31                            | 12                       | 0 12A<br>8 04A                                      | 5          |
| A Lefs, contiguous to it<br>Preceding in the Foot<br>Subfeq. in preced. Shoulder   | 26 03 19<br>21 13 06   | 3 57 34 B<br>13 30 06A<br>8 40 36A                            | 6                     |   |                               | 18               | 49 31<br>59 37<br>42 56<br>93 45          | 15                       | 8 04A<br>1 45A<br>1 14B<br>3 55A                    | 17         |
| anniedneut in root   | 23 00 15   |   | 5                     | TIO   | _                             | 19               | 22 21<br>15 54                            | 4.4                      | Aor B   | 12         |
| 30   | 27 25 21<br>27 36 83<br>28 00 57<br>26 17 31<br>29 26 17<br>20 07 19 | 2 38 20 B<br>0 10 88A<br>7 59 37A<br>3 13 26 B                | 7                     | In Extrem. of South Horn  |                               | 20 1             | 03 55<br>08 47<br>27 55                   | 6 p                      | 19A<br>12B<br>26A<br>4 24A                          | 7          |
| That in the Breaft   | 26 17 31   | 7 59 37A  | 4                     | Inform. in Tycho's Aurig<br>North under South Horn  |                               | 21               |   |                          | 9 23 B  | ١.         |
| In the middle of the Neck  |  | .,  | 4<br>7<br>5           | North under South Horn  |                               | 21               | 09 28<br>36 56                            | 4 2                      | 6 14A   | 16         |
| In the Heel of the preced. Foot<br>Preced, the Square of the Neck II   | 25 35 08<br>25 37 51<br>0 36 09                                      | 14 29 50A<br>15 04 02A<br>6 33 06 B<br>7 54 38 B              | 4<br>7<br>6           | South below South Horn  |                               | 21               | 59 23<br>27 OI                            | 7 3                      | 57A<br>01A  | 6          |
| North of Square of the Neck<br>Preceding of 2, at the Kase &<br>40<br>Prec. the Mid. ones Sq. of Neck II   | 29 40 52   | 1 24 00%  | 5                     | Inform. of Auriga   |                               |                  | 19 f0<br>12 16<br>10 03<br>18 44          | 5 4<br>3 5<br>1 0        | 21A<br>7 19A<br>6 31 B<br>18A<br>1 50A              | 6 4 6      |
| Prec. the Mid. ones Sq. of Neck II   | 1 19 32<br>27 32 58<br>28 21 05                                      | 5 16 41 B   | 6<br>7<br>7           | 125   |                               | 23 0             | 14 03                                     |                          |   | 6          |
| That preced 1st of the Hyades II   | 28 55 38<br>0 27 43  | 13 17 55A<br>11 47 39A<br>5 50 14A                            | 7                     | Inform- of Auriga   |                               |                  | 6 20                                      | 9 0<br>4 0<br>9 1        | 37A<br>15B<br>3 C2A                                 | 6 4666     |
| That in the preceding Check &<br>Subsequent of two at Knee II  | 29 14 12<br>1 43 42  | 12 13 17A<br>0 47 26A<br>0 08 53 B<br>9 46 12 B               | 4                     | Al. preced. in Orion's Clu  | b                             | 24 2             | 6 54<br>21 03                             | 9 31                     | 13A<br>203A   | 6          |
| Subfeq. mid. ones Squa. of Neck  | 1 41 42<br>2 09 31<br>3 32 59<br>2 19 18                             | 9 46 12 B<br>0 19 23A   | 7<br>5<br>7           | Another more South<br>Inform. of Auriga   |                               | 24 1<br>25 1     | 28 <b>5</b> 8<br>12 28                    | 3 4                      | 03A<br>05B<br>03A<br>44A                            | 6          |
| First of the Hyades in Nostrils  | 1 27 34  | 5 46 22A  | 3                     | Al. Subfeq. in Orion's Clu  | b. п                          | 25 4<br>26 5     | 16 35<br>14 40<br>15 02                   | 0 3:<br>1 G              | 41A<br>40A  | 6          |
| That under the 1st of the Hyad.  | 1 13 39  | 5 46 22A<br>0 15 00 B<br>7 20 42A<br>6 19 57A                 | 7<br>7                | 135   |                               |                  |   |                          |   |            |
| South of Square of the Neck  | 3 46 56  | 3 58 41 B   | 5                     | TAURUS, in our ancien<br>In leg. H. L. cap. 7. V<br>que Taurus alluserit.                                     | t Custo<br>Idetur s           | ms, .            | fignifi<br>Mats                           | is a H                   | usbano<br>, sujin                                   | I.<br>Гети |
| Betw. the Noffrils and N. Eye<br>Second  | 1 42 49<br>2 31 27<br>3 53 21<br>2 47 13<br>3 51 53                  | 7 23 02A<br>4 00 34A<br>2 37 06B<br>4 09 05A                  | 7 4 7                 | TAUTULUGI, in   | Gramii                        | nar,             | a nec                                     | Creis                    | recher  | HEI        |
| North of the South in the Est<br>60  |  | 0 35 21 0   | 4                     | of the fame Tring in diff<br>Some People, particula<br>it Taftology. The Differ<br>nunciation of the Greek of | ence ar                       | Jelui<br>rifes f | rom t                                     | he di                    | ferent  | Prode      |
| In the Heel of the hind Foot<br>South of South in the Ear<br>2d and imall betw. Noftr. & Ear<br>Preceding of North in the Ear  | 1 24 57<br>3 51 37<br>3 11 42<br>4 09 42<br>2 64 01                  | 12 or 21 A<br>o 19 46 B<br>3 43 27 A<br>1 c4 c6 B             | 5                     | Ancients did the like:<br>a Language, this Plea:  | nce the<br>But as<br>avails b | v as<br>Cufb     | f; at<br>om is<br>ittle                   | nd 'tis<br>the &<br>with | argue<br>tandai<br>Regar                            | d ti       |
| 65   | 2 54 01  | 5 41 50A  | 7                     | the English.  |                               |                  |   |                          | LOGI  |            |
|  |  |   |                       |   |                               |                  |   |                          |   |            |

TAUTOLOGICAL Edw's, are fuch Edw's as repeat they are hung in the Air upon Corch to day; and when day, the fance Sound or Syllable many Times. See Seno.
TAWNING, call all loy foot Science, the Are of Marine Tawning and the foot of the

See Leather, &c.

All Kinds of Skins may be total \$\delta\_3\$ but 'tis chiefly those of Skins may be total \$\delta\_3\$ but 'tis chiefly those of Skeep, Lamba, Kids, and Goats, that are used to be dress'd this Way 3 as being those fitted for Gloves.

Method of TAWING, or of droffing Skins in white.

The Wooll or Hair being well got off the Skins, by means of Lime, &c. (as deferibld under the Article Chamors) they are laid in a large Var of Wood or Stone fer in the Ground, full of Water, wherein quick Lime has been falked, where they continue a Month of fix Wecks, as the Weather is more or lefs hot, or as the Skins are required to be more or Life 5.6. and shiper as

more or til los, or as the Status ste requires less from a black of an ellipse. While in the Vas, the Water and Lines is changed review.

While in the Vas, the Water and Lines is changed review.

While it is the lift Time, they asked in the Post of the Lines is action out for the lift Time, they asked in a ranning Water, to get out the greated Paeter of the Lines is a continuous properties, on the wooden, or taking it is where the properties of the Water State is another, on the Fleth Side, with a cutting problemated Institutes, and the Ranning and 
This done, they are laid in a Var or Pit with a little Wa-ter; where being well full'd with wooden Pelles for a quarter of an Hour, the Var is fill'd up with Water, and the Skins

rinced there

the Skins are all cover'd.

the Skins ate au cover a.

This Operation is repeated as often as the Skins rife above
Water; and when they rife no more, they are taken out;
laid on the wooden Leg, the Fields Side outermolt; and the
Knife patf d over it to krape off the Bran. The Bran thus
clearly, the Skins are laid in a large Basket, where they are
loaden with lange Stones to promote their dataining; and
when fatisciently dained, their Seeding is given them, which

looden with long Stores no promote their extrange; and is referred direct the following Manner.

For a housed large Storey Skins, and for finalite in Proportion, they take high bounds of Anny, and three of the following Manner, and the store of the first promise of Anny, and three of the first promise of Anny and three of the first promise of

e, and burn the Skins.

rate, and burn the Skins.

Having flaid fome time in the Trough, they are taken out, one after another, with the Hand; and fireteld out; which is repeated twice: When they have all had their Pafte, they are put in Tubs, where they are full'd afresh with wooden Pessles.

Pediles.

Then they are put in a Vat, where they remain five or fix Days, or more; and are at laft raken out in fair Weather, and hung out no dry on Cords or Racks: The quicker they dry the better; for if they be too long a drying, the Sair and Alam within them, are apt to make them rife in a Grain, which is an effential Fault in this Kind of Dreffing.

Grain, which is an eitentail Faut in this Kuid of Dreiting.
When the Stirs are dry, they are put up in Bandles, and
julk dipt in thir Water from which being taken out and
draind, they are thrown into an empty Tule, and, after
forme Time, are taken out, and trampled under Foot.
They are then drawn over all the Iron Initrument, the Top
whereof is round like a Barteidore, and the Bottom fact, or
a wooden Block y to firetch and open them: When open'd,

itrument.

Laftly, they are laid on a Table, pull'd out, and laid
finooth 3 and are thus in a Condition for Sale and U.R.
After the founc Manner are drefd Horfe, Cowa, Calves
Skins, Gr. for the Sadlers, Harcekinsakers, Sr. as alfo
Dogs, Wolves, Bears Skins, Gr. eccepting that in these the
Use of the Pasle is omitted, Sale and Alaun Water being

fulficiant.
TAWNY, in Heroldry. See Thaux.
TAWNY, in Heroldry. See Thaux.
TAWNY, a Tribute Rethed on every Town, after a certain Rate; and mid sparty towards the Experience of the Government. See Taxisuria and Isaryor.
The ninear this was when the fulfilling town its a excepting that the Left was that the admitted town with the fulfilling that the thing the t

was levyed on Cause and Lowns, Due the Gudhay on Persons, See Sessipty, Ancically, the Tase was imposed by the King at his Plea-fure; but Edward L bound himself, and his Successor, from that Time forward, not to key it but by Constant of the Realm. See Fifteenth; for also Gild and Wither-

DEN.
The Word Tax is form'd from the Greek rağı, Order.

The Rate, &c. of the Tax was anciently call'd Tallage, The Rate, ES. of the Yaw was anciently call'd Yadoge, from the French taille, Tax. See Taille.

The People of France were Strangers to Taille, or Taxet, till the Time of S. Lastis, when they were first imposd in Form of Subfidies, necessary for the Support of the War in A. Wall. Last.

the Holy Land.

Farm of subfidies, needings for the Support of the War in New York of the Component of the War in New York of the Control VII. 1994 for Farm of the Control VII. 1994 for Farm or nick Memory without the Control VII. 1994 for Farm or nick Memory without the Control VII. 1994 for Farm or nick Memory without the Control VIII. 1994 for Farm or nick Memory without the Control VIII. 1994 for Farm of the Support of the Realm. See Exarxy.

The Name Zalley a colored from the Tally of purp the Control VIII. 1994 for the Control VIII. 1994 for Tally VIII. 1994 for War III. 1994

bale Condition.

They were sife diffinguish'd into real and perfonal. The perfonal were import on the Head of the Servan or Man in Main rower, and so follow'd him wherever be went. Main rower, and so follow'd him wherever be went. The service of 
TAXIS, in the ancient Architecture, the same with Ordon-TAAUS, in the ancient Architecture, the fame with Ordan-mance in the new, is defetible by Vitrories to be that which gives every Fare of a Building its just Dimensions, with re-gard to its Ufes. See OndownAUCS. TAYL, in Heraldry, &c. it particularly a fed for the Tail of an Hart, the Present other Creatures having peculiar and diffined Names.

and different Names.

As that of a Back, Roc, or any other Deer, is call'd the
Single y of a Boar, the Wreath y of a Fox, the Engly y of a
Wood, the Server y and of a Hare and Concy, the Serve,

THELEMINAR, or, is we protice World. Solutions, one of the most evolvented Ruins in
the World. Solutions, one of the most evolvented Ruins in
Telebrainer's the Remains of a Balace, fuppoid by force to
Telebrainer's the Remains of a Balace, fuppoid by force to
Telebrainer's the Michalle of the Control Telebrainer's the Outer Server Serv

Yebbsannar is the Remains of a Palace, tuppes of by ome to have frood in the Middle of the City High-kap, built by Queen Homes'; others will have it the Palace of the Kings of Perfa-in the ancient Perfeptis; the Capital of that Kingdom. The Word in the Perface fignifies 40 Towers, or 40 Columns, See Cettlewise.

OC CHILMINAR.

TEA, or, as the Chinese call it, Tona, the Leaf of a Tree or Shrub, growing in leveral Provinces of Chine, Japan, and Signa. The /es Plant affects Va'leys, and the Feet of Mountains, and a ftony Soil. Its Seed «u'u'lly fown in Places expos'd to the South; and bears three Years after fown, The Root

refembles that of the Peach Tree: The Leaves are green, length as the Point, and pereys currow, as held and half of the Point, and pereys currow, as held and half of the Point of the Wild Rofe. The Pearl is of different Form, form-times round, fometimes long, foundines triangular; of the collarly hair of a Benn, containing row or thee Peac, of a Conditive State of Benn, containing row or the Peac, of a Benn, containing row on the Peac, of a Sond by which the Pinni is propagated.

The Tree is of Winne Winnish (Park Form one Post to an banded; Sones there are which two Mm each fathern, The bell Time to guite the Leaves of Zés, is while they are yet finall, young, and july; When gatherd, they are petited over the Stand, of boiling Water to modificat here is then they we had on Copper Pinn, which are wellowed.

brought to us.

thought do not strong, may our up at our consection to yet the control of the prefetty pure; the Chingle lawys mixing other Herbs with it, to intered the Quantity, exceeding of the prefet per strongly, stuffely it beat Three-Pence Poud Streiting, even more than Nine Pence.

The Chingle house cannot what the Darget first and thingshift the Goodnesis, and the Price of this inflicionable Commodity; and the felicie the Commodity and the felicie to the first and Dominy which are Web and the Chingle of the the Commodity and the felicie the Commodity and the felicie the Commodity and the felic the Commodity, and the felic the Commodity and the Chingle, Size I. I. Compile and English and Bay to against drive them the Plant in the Commodity and they the garbert driven the Plant in the Commodity and the Street St

April.
Tis held very digeftive, and a little corrofive: It gives a pale greenish Tincture to Water; and its Leaves are much

The fecond is Bahes Test, which is the Voui Test, or Bott The second is Notice Yes, which is the Noti Yes, or Notice Yes of the Chemife. F. Ic Comprie makes this only to differ from the Green Yes, by its being gather? a Month before it, eric. in March, while in the Bud; and hence the Smallner's of the Leaves, as well as the Depth of the Tinchuc it gives Water. But its much more probably the Yes of Gone parricular Province; the Soil being found to make an Alteration in the Properties of the Yes, as much as the Scafon of ga-

thering it.
"Tis all bought at Nanquin; and it is but lately that the
Dutch have introduced it into Europe, where it begins to be

much in Vogae.

The chird is Red Tes, or Terter Tes, or Honser Tebs.

The chird is Red Tes, or Terter Tes, or Honser Tebs.

Which tinges the Water with a pale Red, and which is faid to be extremely digettive: By means heroof, it is that the Carteria yes faid to be able to feed on raw Relfs. In Taite is Earthy; and much the least agreeable of them all; but

is Earthy is and much the leaft agreeable of them all js but like known in Englanteneo, of the britisel Genul, as whole as positive, and the greenst Care taken that it have been expected to the first pull, and evopous and throughout the "The Drinks, Tot, is unded in China, and the composition to the composition of the composition of the composition of each by infaffing the Leaves is boiling. Water, and drinking the Indian hole. Indeed, among us, its ufual to remper in givenness with Sugar, which the Oriential safe little or none

However, the "Spender far this I require their Liques of a found-with all firms with the proper their Liques a found-with different Way, viz. by pulversing it; illuring on the property of th

Ge. 2001, Paydid, Phylician of the King of Dermark, in an express Transite on this Pinnt, endeavour to flave, that their diversa effectly of it in the Bull, we had about hold their paydid to the property of the paydid their 
But this Opinion is refuted by Pechliu, in a Treatife of Tea, intitled, Theophilus Bibaculus, five de Potu These

74 J. Dalegor; Where he maintains, That 'tis good to prevent Scorbeit Diffeiles; that its genth ultringent Viruse friengths of the property of

Charget to the Lord of a Manor, tor the having, refirshing, and judging Bondines, Neifs, and Villains, with their Children, Goods, and Chattels, in his Coart.

TEARS, Laborymae, a warty Humour, iffuing out at the Corner of the Eye, by the Comprefilm of the Mulcles, ferring to monifen the Cornea, to express our Grief, and even to alleviate it. See Lachtayama and Lacayamala.

even is allevias ir. See Lacinxus and Lacinxus and Lacinxus Leven Process.

And and an Option, which has Graffer of the Little According to the Control of t ing Sickness.

Virgil makes the Horse of Pallas shed Tears at the Fu-neral Pomp of his Master: This is one of the Passages which the modern Criticks censure as a Breach of Probability, See

PROBABLIETY.
TEASEL, or TEASEL, the Fallers Thifle, a kind of Plant much used by the Fullers, Cloth-workers, and Stocking-Weavers, to card, or draw out the Woodl or Nap from the Thread or Ground of feveral Kinds of Cloths, Stuffs, Stockings, &c. in order to render them cloter and warmer, See FULLING, &c

See Fulling, 25c.
This Plans is cultivated with great Care in feveral Parts
of Prance, particularly Nowmanity; and the Exportation
thereof prohibited, by Reading of the waft Ute thereof in the
Woollen Manufacture. See Camputs.
The Stem of the Plant is very high; and its Extremity,
as also those of its Beanches, bear a little round prickly yet.

as all the fore of its Bennehes, being little towned prickly yelf-lowing Blade Blade, which is the Envelopment of the Colorida Blade Blade towned by the Blade Blade Blade Blade Blade Blade Blade Blade the betly and are now call'd Blade Feelers, mostly wide in the dreffling and preparing of Suckings and Coverlets, the finalizer Kind, properly call'd the Faller or Drayers, and of the first Swift, as Clocks, Racenes, Sc. Preparation of the first Swift, as Clocks, Racenes, Sc. The finalizer Kind Concrince, call'd Lieuws Hoods, are and to alway out to Napi from the confire Swift, as Beys,

TECHNICAL, fomething that relates to an Art. See

In this Scufe we fee Technical Words, Technical Verfet,

Sc. And in this Scufe Dr. Herris initites his Dictionary of
Arts and Sciences, Lexicon Technicum.

The Word is found of the Greek, respracy, Artificial, of

The Word is found of the Greek, THEFTON, ART.

THE WORD IN THE TERM PARTICULARLY APPLY THE ARTHUR AR

are those expressing the Order and Measures of the Calends, Nones, &c. See Calends. Those expressing the Seasons; See under August.

Those expressing the Order, &c. of the Signs ; See un-

F. Lable has compos'd Larin Verfes, including all the Epochas in Chronology; and F. Buffer, after his Example, has pur both Chronology and History in French Verfe; and

has pur both Chronology and Hiltory in French Vertic 3 and fine, Congraphy too.

Telephoids Feffs are commonly composed in Latin: They are generally weekeded once, and often hathatous 5 bar vis Utility is all aired at. To give from Idea hereof, we will here add a few Initiates. The Cassinis include at the Circumstances which make as share with another in a Theft, or other Come, in these two Fetenical Feffs.

Juffo, Consiliuna, Confenfus, Palpo, Recorfus, Participans, Mutus, non Obfans, non Manifestans.

The first of Father Buffer's Technical Verfes of the Histoty of France, are thefe Ses Loix en quetre Cents Pharamond Introduit,

Ses Loix en guerre Cents Pracumant In-Clodion Chevela, an Actius vanquit, Merovee, avec lui Cambatie Attila ; Childerio fas chaffee, mais en le rapalla.

\*\*Incidence of the Charles of the Court, beginning the Court, beginning with the World Te Demonstration of the Church, beginning with the World Te Demonstration, the Court, beginning the Court, beginning the Court of the Court, beginning the Court of the Court, the Court of the Court, the Court of the Court, the Court of the Cou

dienty from and bottenarty, upon the giming a fastite, or disability, and S. Angeline.

TacELH, Bentri, in Assurous, little shad fonosich Bones, to all S. Angeline.

TacELH, Bentri, in Assurous, little shad fonosich Bones, to the S. Angeline.

TacELH, Bentri, in Assurous, little shad fonosich Bones, to the S. Angeline.

Men, and most terredirid Jainnist, as allo fone Either, have two Rous of Tech, the one in the upper Java, and Is Mest, the ordinary Namber of Zenth is 13, distens in each Java all fast, in position Science, call'd. Zenth is 14, fastens in each Java all fast in position Science, call'd. Zenth is 15, distensing the position of the S. Angeline. The S. Angeline S. Angeline, call'd. Zenth is 15, distensing the Java and Java S. Angeline. See Construction Science 
Behind these are five in each Jaw, call'd the Melares or Grinders, being those which in Men serve chiefly for Mattication. See Mollars.

sestion. See Norman:

The Indigital support specially only a fingle Rock, not Twenty The Indigital support specially only a fingle Rock see or five fine distribution of the second see the second special spe

Children in the Time of Dentition. See DENTITION.
The Work begin not to appear all at a Time; but first
the Dentes insigns of the appear, and then those of the
lower Jaw appear, became the thinness and sharpest a
feter them come out the Caniat, became they are
sharper than the Malares, but thicker than the Malayles,
and last of all the Malares, became they are thickest and

Of this viscous transparent Liquor, which is industred into the Subhance of the Total, there are two Lays, one below the oriest, divided by the fame Membrace which covers all the Cavity of the law: The appearmoil Lay forms the Total which come out fift; but about the Feend Year of Age they are thrull out by the Total made of the undermoil.

Lay, which then begin to fprout; and if these Tout be loft, they never grow again.

If some have been observed to shed their Tseth twice, they have had three Lays of this viscous Humour, which

bredly ever happens.

About the one and remaineth Years, the two last of the Missers giving up, and are call'd 'Dente's Objectairs, because they saide when the Perfosi is at least of Differention. The Their, Mit As Is then they compare, has covered with a possible Substance quiet different from the Boos, which he calls 'Dental, or Publish.

This Ental, by other call'd the Their publish of the Dental the Dental their publish of the Dental their published the Dental their published their published the Dental their published their publ

by their Roses, mich like Neils or Home, See Natz.—
This Composition is very differently in a broken Touls,
where the Origin and Situation of the Fibres are apparent.
M. deta five is perstanted, that the Convol of their hibres
is performed much like tile broke off, 6 that the Rose is
left have, that is, "if the very Rose of the Fibres be raised
away, the Bone, in rint Part, will grow across, and the
Tydos liverishly perfits there being no Bone in the Boly
that can be are the Although the Convolution of the Rose is
left have the Rose is the Emill is very much wore and
flatted, by a relation them much with Destriction. He can
live the Rose is the Rose is the Rose is
left have the Rose in the Rose is the Rose is
left have the Rose in the Rose is the Rose is
left have the Rose in the Rose is the Rose is
left have the Rose in the Rose is the Rose is
left have the Rose in the Rose is the Rose is
left have the Rose in the Rose is the Rose is
left have the Rose in the Rose in the Rose is
left have the Rose in Rose in the Rose in Rose in the Rose is
left have the Rose in Rose in Rose in the Rose in R

Indeed, in fome Ferfons the Emmi is very much work and flattered, by rabbing them much with Deartifices, &c. fo that the Bone appears thro', and yet the Towk keeps found; but the Reafon is, that the Bone is not quite bare, but there is full a thin Lay of the Email which preferres it;

TECHNICAE Words, are what we otherwise call Torns of but this Lay being thin enough to be transparent, the yellow Bone is feen thro it

Sometimes also a Tosth breaks, and the Bone is left bare Sometimes allo a Visub breaks, and the Boon is left him, yet the Period to see no find any him or king from it i. The Visub Period to see no find any him or king from it i. The Visub Period P

EXERCISE OF the FIDNES CHANGE TO BE BYOKES, OF WORD OFF, WHICH SEED AND THE CHANGES THE SEED AND See ODONTALGY.

What we have faid is illustrated by the adjoining Figures, What we have faid is illustrated by the adjoining Figures, where ACPH expresses the Extremity of the Jaw the Touth are set in; APC and FGH the Roots or Twange of the Teeth inclosed in the Jaw; ADCB and FLHIL the Email, composed of little Fibres ranged aside of each the Email, composed of little Fibres ranged atide of each
other, which cover all that Part of the Toste without Side
the Jaw; II feveral Threads join'd at the upper Extremity,
but apart at the lower; M. M. Holes thro' which the Nerves
enter the Roots of the Teeth; N. N. a Touth clotted up.



The Teeth, Mr. Derham observes, samish us with a notable Instance of the Widdom and Goodness of the Creator: Their peculiar Hardness is very remarkable, con-fidering the tender Substance they are form'd of. See

Donz. The Ancients, and even Rielsons, among the Moderns, have held them to be incombatible, and the only Part of the Body that was 60 s on which Account they were placed with great Care in the Urns among the Afhes of the Deceased. But the Opinion is falle, there having only been raw found in the Tombus of Wifephatia, one of which was alf calcin'd.

half callend.

Another popular Error is, that the Testh continue growing for ever, even in old People, to the Hour of their Death.

M. dels Hire observes, 'to only the Email or Polifi that grows, which is a Subtiance very different from the Testh.

The Form, Dilipolition, and Order of the Testh are ad-

mirable: The foremost weak and far from the Centre, as being only Preparers to the rest; the others being to grind mince, are accordingly ftronger, and placed near the Centre of Motion Galen puts the Cafe, that the Order of the Teeth should

have been inverted, and the Grinders, e.gr. put in the Place of the Incifors; and asks, what Ufe the Teeth had Frace or the Incitors; and saks, what the the Yeeth had then been of, and what Condition would not there have a role by fach a flight Overfight in the Differd only? Upon which he arguer, that if any Perfon floudd diploie a Company of 32 Men, the Number of the Yeeth, in a just Order, we should judge him an intelligent Perfon: Why then floudd we not judge the fame of the Creator, \$26.7 De ufit Par-

April, their various Forms in various Animals is so left confidenced, being all curioudly adapted on their factorities, being and curing the Proy in References for the curioling, belding, and curing the Proy in References for the curioling, belding, and curing the Proy in References for the curious and the curious and their factorities, and their factorities, and their factorities, and their factorities, and their factorities and their factorities, and their factorities and their fac

appear, and gradually grow as they more and more fland in need of them. Some Perfons are born with all their Teeth, as Morens Currus Denatura, and Gaeins Pemperius Carbo: Others have only had one continud Teeth, reaching the whole Length of the Jaw, as Pyrrhus, King of Pyrrus, and Profiles, Son of the King of Zulchymie. Others are fail or base had two

of the ring of Directal Conces are laid to have had two or three Rows on the fame Jaw, 2a Herculei.

Amenicalist, a German Phylician, affures us, that he faw and Mana at Cleest, in 1666, aged 120 Years, who had a new Set of Teeth two Years before, which cut with great Pan; and he faw an Engliphone at the Hegue, who cut a new Set of Yearh in his 118th Year.

A Danijh Physician, named Hagerut, maintains in cer-in Theles, that one may hear with the Teeth. See HEARING.

As to Animals, there are some Fishes have Teeth on their As to Animals, there are fome Fifhes have 'Ferb' on their rought, at Towns others have them at the Bestom of call'd Conit Cercharia, have there, four, or five Rose of Treits on the fame Jaw; the Requient and Crosolik have each three, and those all localers, Vipers and Sea Froga and codinatily life lift, only traid when they would be to Ke. Virgan, ife.

The Tool and Contile Fifth have no Testh, and yet bite.

See BITE. Armicial TEETH, are those fet in lieu of natural ones

which are wasting.

They are usually mide of Ivory; but in regard Ivory, in a little Time, grows yellow in the Mouth, Fabricius advises them to be made of the Shin-bone of a Ballock, which preferres its Colour. which are wanting

ferrest ret Colour. The Calonn of wearing Ivory Teeth, and of binding them in with a Gold Wilar, is very ancient: Lucien and Morral fipsale of it as practice along the Romens. Guillemans gives us the Composition of a Patle for making artificial Teeth, which fluid fever grow yellow: The Composition is white Wax gratuelasted, and metted with a little Gunz Ellenii, adding Powder of white Matthick, Cont., and Pestl

TRRTH in the Manage. 'Tis by a Horfe's Torth, chiefly,

TERTHIN the Manage. "Its by a Horfe's Yeeth, careful, that his Age is known.

The Teeth of a. Horfe are of four Kinds, vie. 24 faw Teeth, or Granders at the Botton of the Mouth, beyond the Bars; 12 on each Side the Canal, ranged 6 above, and as many below: Thefe over fall, nor are they used for the Dillindicion of Age.

12 Fost-Tostb, which come in the fore Part of the Mouth
at three Months old, and are usually cast at two Years and balf.

A Tufter placed alone in the Bars between the fore Teeth and Grinders, one on each Side below, and as many above. Mares feldom have Tuftes, and when they have, they are finall, and are reckon'd an imperfection.

12 Gatherers growing before in the Place of the Fuel-Teeth ad Grinders, and with which Horfes draw their Fother, cut irals, &c. These are divided into

Nippers, which are the two foremost Tests above and be-w, which a Horse first changes.

Neppers, which are the close, the control of the Nippers from the Corner Tests, are the two next the Nippers, one on each Side of 'em both above and below, and are those which change Ourceard or Corner Teeth, are those next the Tushes

Observated or Corner Yearly, are those next the lunner above and below, and which are cast last. 'Tis by these that the Horse's Age is known. They shoot forth from the Gunn at five Years of Age, and have a Hollow, wherein is a black Speck, refembling a Bean, call'd the Adms, which continues till seven or eight Years of Age, and then begins

continues ull feven or eight Years of Age, and then Degins to fill up. See MARS.

TEGUNENU. SHARS.

TE

The word is pure 17 may.

Thing,
TEIRS, the third Fart of a Pipe, or the Measure of forty-two Gallost. See Tiercs, Measura, &c.

TERUPHER, in the Yerijo Chromology, are the Times wherein the Sun proceeds from one Cardinal Point to the

has taken Place of the other, the Devils have a Power to has taken Place of the other, the Devils have a Power to exercise all Kinds of Tyzanoy in the Water. And hence, they say, that if any body drinks the smallest Quantity of Water as that Time, hell infallibly have a Dropsy, or some other grievous Distemper. TELAMONES: The Romens call'd by this Name, what the Greek named Advances; you, the Figures of liten

supporting the Out-jettings of Cornices, &c. in Architecture,

oce ATLANTES. A late Author thinks, that the Word Telemon, which in Greek is 724/2007, a Wreech that bears Misfortunes with Patience, does not difagree with those Statues, which, in Architecture, fultain fuch Loads.

TELESCOPE, an Optical Inframent, confifting of fe-veral Glaffes or Lens's, fitted into a Tube; thro which remote Subjects are feen as if nigh at Hand. See Lens and

remove outputs, are seen at it sign at think, one charts and the Telegraph Leaves Colis trained bounds to Chipde, see all the Opin Good and that next the Eye, the Leave, all the think are the Chipde, are cell of Eye, placed to the Chipde See all the Eye, the Leave, all both are next the Chipde, are cell of Eye, placed to the Chipde See all the Eye, and the Chipde See all the Eye, the Chipde See all the Eye, and the Eye,

by Wiginz to be undoubsedly the fifth that made a Zadigipse; from this Pallies in the Adages Amenins, jointed in 1859. "If you do but know how to join the two (see, the Con-bus to join the two (see, the Con-bus to join the two (see, the Con-bus the Constant of the Constant of the Con-bus the Constant of the Constant of the Con-trol of the Constant o

greater Perfection, our ever apply'd le to Celefthial Observa-tion. What is more, the Account Parts gives of his Cen-cave and Convex Lens's is fo dark and indiffined, that Kepler, who examin'd it, by particular Command of the Emperor Rudetphin, declar'd to that Prince, that it was perfectly unintelligible.

perkelly sainedlighte.

Pility Years streams, a Teleforte, 12 Inches Imp, was made and preferred in France Anadric of Maffin, by a short his man for the Teleforte Imp of the Tel

patter for a third network private make own in first, on the In steps, General Merins, Brother of Jairan Merins, Pro-felford Mathematicks at Frendling came, with Meride to Meride to determ, which had made them publics, and up of Hafer. Merins had given his Boother the Honour of the Inventions in Bar more of the Artificien made "Hologate" of these a Foot and half: Simum Merins in Germany, and Galileo in Augh, fart made long ones, fire the Coefficien Order, for the Meride and Merid Inventor of the Inframent, and of its being denominated from him Galileo's Tube.

F. Mobil'on, indeed, relates, in his Travels thro' Italy, that in a Mooatlery of his own Order, he taw a Manufeript Copy of the Works of Commelor, written by one Coradus, who lived in the 13th Century, in the third Page whereof was from a Portrait of Prolossy viewing the Stars thro' a Tube of four Draws: But that Father does not fay that the Tube had Glaffes in it. In effect, 'its more than probable, that fach Tubes were then afted for no other Purpose but to

professe and direct the Sigh, or to reader it more diffinite, by fingling our the particular Direct Book's at an All flustrage out at the beings lays redicted from others, which Prosite and the lessing lays redicted from others, which Prosite and The Book's at a second of the Conjecture is verifyd by Eugenment when he will be the Conjecture is verifyd by Eugenment when he will be the he will be the second of the conjecture in the conjecture of the conjecture

only Kind made by the Inventors, Galileo, &c. or known, before Huggers: Whence its Name. Its Contraction, Perfections, Imperfections, &c. are deliver'd in what follows.

# Confirmation of Galileo's or the Dutch TRESCOPE.

In a Tube prepar'd for the Purpose, (the Structure where of see under the Article Tube) at one End is fitted a Conor tee budder the article 1 biss, if one has in the a do-very Object ten, either a plain Convex, or Convex on boil Sides, but a Segment of a very large Sphere: Ar the other End is fitted an Eye-glad, cousave on both Sides, and the Segment of a left Sphere 3 fo dilpoid, as to be the Diffance of the Virtual Focus before the Image of the Courex of the Virtual Fo

### Theory of Galileo's TREESCOPE;

Now, in an influence that famel, all Topies, excel-logates, or take three lightest, and for local signification, Depth or take three lightest, and for local signification, for the local significant for the local significant of the local of the local local, and the local significant of the local of the light local, the local local field local significant light local significant in the frameses, the Feps local multiple term what tokens to with A Tologies, the Rays proceeding from the local local of the Orselt, will full out the Originality provided and of the Orselt, will full out the Originality provided and the local control of the local local local local through Computing on the Eyespila. But the local tracked the local 
Fluint it does.

2. Support A. (Tab. Opticks, Fig. 41.) to be the Focus of the Optick pairs and import A.C. the intrinsi Ray on the Right Hand of the Optic there are sufficient to the Contribution of the Co the Object will be feen in the Axis G A; and the right Ex-treme, on the right Side, ode, in the Line L N, or parallel thereto: that is, the Object will be creft; Which is the focused

thereon in that is, the Ooper win to error, it was in two greens 2–9 Since and Rabby Lines puralle to I.E. and the Asis indice the fine Angle; the Senti-discrete of the Oligid will be L.E. and G.I. extracting the Senti-discrete the Control of the Oligid will be L.E. and G.I. extracting the Eye in the fine Muser, and the Papil were placed in F. II, frow, the maked Eye were in A, it was to be a simple the Senting the Senting the Muser, and the Papil were placed in F. II, frow, the maked Eye were in A, it was to be a simple the Senting the Sen Point.

Tably, Myopea have their Eterins use for from the crystallia manner and diverging Exp., concur or a greater Difuses the contraction of the contract of the contract of the contract ing by beinging the Exp. plain core to Collecting, in give means of this Appearable, Maydon and Jet Galfert distinct of this Appearable, Maydon and Jet Galfert distinctly More, 18, 10 tasks the whole Collect strikes, the Senti-diance of the Fuell and to the left than the Dimoscot's dimension of the Fuell and to the left than the Dimoscot's dimension of the Fuell and to the left than the Dimoscot's dimension of the Fuell and the left of the Collection of the Collection of the Collection of the Collection of Collection of the processing of the Collection of the Collection of the processing of the Collection of the Collection of the Collection of Since the Diffusion of the Collection of the Collection of 2 to the Collection of the Collection of the Collection of the 2 to the Collection of the Co

2° Since the Diffance of the Rays E L and I K is greater, at a greater Diffance from the Lens; the Compais taken in by the Eye at one View, will be greater as the Eye is nearer

the Concave Lens.

3° Since the Focus of a Plano Convex Object Lens, and the 3° Since the recuser a Pilano Conrex Object Lears, and the Focum of a Pilano Concare Eby Learn, is at the Dillanace of the Diameter 2 and the Focus of an Object Pairs, convex on both sides, and the virtual Focus of an Eby gair Gonevae on both Sides, is at the Dillance of a Semi-diameter; if the Object, Sides are the Convex, and the Eby-gair Filano Gozerre, the Pair Convex of the Eby-gair Filano Concerne, the Validor's will increase the Diameter of the Object, in the Concerning the Convex of the Eby-gair Filano Concerne, the Concerning the Concerning to that of the Con-cerning the Concerning that of the Con-Ratio of the Dimeter of the Concavity to that of the Con-variety II find Doise/delish to Concerce to shot Sides, and the Everylated Concerce on both Sides, and the Everylated Concerce on both Sides of the Con-versity II find Doise/delish to Prince to the confidence of the Optical Concerce on both Sides, the Semi-diameter of the Optical gladi Concerve on both Sides, the Semi-diameter of the Optical Will be inspected in the Ratio of the Diameter of the Optical vesty to the Semi-diameter of the Concervity and, Leftly, and and Ellino Concerv, the Insectice will be in the Ratio of the glass Plano Concave, the Increase will be in the Ratio of the Diameter of the Concavity, to the Semi-diameter of the Con-

recity,

"Since the Resis of the Semi-dimeren is the time as
that of the Dissections: Thirdy-in mognity despited in the
that of the Dissections: Thirdy-in mognity despited in the
the Eps-glist Plants Concare, or whether the one bet Games
on both bides, mad the other Concare on both.
"So time the Small-dissect or the Concare, or as
yet and the state of the Concare, or the
bas a "Thirdy or mappiles once, if the Co-tick plants are
bas a "Thirdy or mappiles once, if the Co-tick plants are
the "The Concare, than if it the Convex to both Sides.

"O' The greater the Dissection of the Co-tick plants and the
letter than the Concare plants are the Insection
of the Concare of the Co-tick plants and the
letter than the Concare of the Co-tick plants and the
letter than the Concare of the Co-tick plants and the
letter than the Concare of the Co-tick plants and the Dissection
of the Concare of the Concare of the Co-tick plants and the
letter of the Concare of the Concare of the Co-tick plants and the
letter of the Concare of the Concare of the Concare of the
concare of the Concare of the Concare of the Concare of the
concare of the Concare of the Concare of the Concare of the
concare of the Concare of the Concare of the Concare of the
concare of the Concare of the Concare of the Concare of the
concare of the Concare of the Concare of the Concare of the
concare of the Concare of the Concare of the Concare of the
concare of the Concare of the Concare of the Concare of the
concare of the Concare of the Concare of the Concare of the
concare of the Concare of the Concare of the
concare of the Concare of the Concare of the
concare of the Concare of the Concare of the
concare of the Concare of the Concare of the
concare of the Concare of the Concare of the
concare of the Concare of the
concare of the Concare of the Concare of the
concare of the Concare of the
concare of the Concare of the Concare of the
concare of the Concare of the Concare of the
concare of the Concare of the Concare of the
concare of the Concare of the Concare of

lefs that of the Eye glists; the lefs Ratto has the Danmeer of the Object viewed with the mixed Eye, to in Semi-diameter viewed with a Thelighey; and, confequently, the more is the Object magnified by the Thelighey, "9" Since the Semi-diameter of the Object is increded in the Ratio of the Angle EFI; and the greater the Angle EFI; and Exist of the Angle EFI; and the greater the Angle EFI; is, the left Part of the Gibet does it take in at one View; y and the Thelighey exhibits to much a left Part of the Object, as it

integates its Diameter more.

And this is the Reason that determined the Mathematicians to look our for another Telefophe, after having clearly found the Imperfection of the first, disloved by Chance. Nor were their Endeavours vain; as appears from the Aftronomical Telefophe hereafter to be deferthed.

mical Yoliques herenfree no be deferhed, If the Seni-Gaurer or the Eve-glish, have noo finall a Resis to that of the Osylet-glish, in Osylett through the Geologies, will not appear unfairconn't clear, by resisten-Gauger and the Company of the Company of the Osylett on the Resistant control for too for Rays. This, to, a friend, the qual Osylet Len's won't bear the fine Evy Lens, if they be differently transferred, to effect the a Difference is their Polith. A fine smallprotted Osylet-glish, or one left accurately proceed requires a more Epiracial Eye glish, thus associa-

Politics, A filth transported Depresenting of the new sectionary more mergers, eff. Special Physics, the section of the filth of the Focus of the Original Physics, the section of the Focus of the Original Physics of the Focus of the Physics of the Original Physics of the Physic

Eye-glafs, and the Diftence of the Focus of the Object-glafs; the Length of the Teleforje is had by fublisheding that from this. That is, the Length of the Teleforje is the Difference between the Diameters of the Object-glafs and By-glafs, if that he Plano Convex and this Plano Concres Eye-glaß, if that De Frano Convex and that Frano Concrete or the Difference between the Semi-difference of the Object-glaß, and Eye-glaß, if that he Convex on both Sides, and this Concrete on both or the Difference between the Semi-diameter of the Object-glaß and Eye-glaß, if that he Convex on both Sides, and this Concrete on both or or the Difference between the Semi-diameter of the Object-glaß, and the rense uctween the Semi-dismeter of the Object-glafs, and the Diameter of the Fye-glafs, if that he Convex on both Sides, and this, Plano Concave; or the Difference between the Diameter of the Object-glafs, and the Semi-diameter of the Fye-glafs if that be Plano Convex, and this Concave on both

Thus, e.gr. If the Diameter of an Object-glass on both Sides, be four Foot, and that of an Eye-glass Concave on both Sides, be Four and a Half Digits or Tenths of a Foot; the Length of the Telefcope will be one Foot eight Digits.

Aftenomical Transcorn, is a Telefcope confifting of an
Object-glass and an Eye-glass, both Convex. See Con-

It has its Name, from its being wholly used in Astronomical Observations.

#### Confirmation of the Aftronomical Treescore.

The Tube being prepared, an Object-glass, either Plano Convex, or Convex on both Sides, but to be a Segment of a large Sphere, is fitted in at one End. At the other End, an Eye-glass Convex on both Sides, which is the Segment of a small Sphere, is fitted into the other End, at the common Diftance of the Foci.

#### Theory of the Altronomical TELESCOPE.

Now, as Exp planet uses the Ferral of its Page folly, will for Obbirt should, he in correct, and magnify it in the Russia for Obbirt should, he in correct, and magnify it in the Russia for Experiment of the Russia of the Obbirt, the Russia of the Russia of the Obbirt, the Russia of the Russia of the Obbirt the Obbirt than the Obbirt tha

finally, "Brandly the common Focus of the Lenn's in F. (Fig. 4.2) and make A Bin B F. (Sin core of the Rayn A C., pacend-Rayn A C., pacend-Ray C. Barrier and C. Barrier an

3º Tren what has been already flown, it appears that the Seemi-diameter of the Order will be four through the Zidge Seemi-diameter of the Order will be four through the Zidge in A. Is from radio to be alone to be alone to the Court of the Order of the Order of the Court of 3° From what has been already flewn, it appears that the mi-diameter of the Object will be feen through the Telef-

of the Court of P. C. Q.; And therefore the Esp being placed in g, will de the Object of the Lane Magnitude in before, only in Spreadure, the Court of the Court

then it Corres en best Sales.

§ 'The Ratio of the Semi-diameter of the Lye-plafa, to the Lye-plafa to the Semi-diameter of the Obsolophia, is the best successive of the Sales of the Sale render'd obliture, and confuted. To this may be added, what we have fixem, of the Ratio of the Object-glais to the Eye-glais in the Dutch Telefope. De Chales oblitues, that an Object I cans of 2 1 Feet will

De Chale solderes, fair ar Object tem of 2 | Face vall requires Hey field of 1 | Digit or Tenh of 2 Boat 1 and an Object-field of sight or ten Feet, an Hye glist of face Digit 1 in which has contented by Euleria di Device, Digit 1 in which has contented by Euleria di Device, and one of the Satallited were first of the Satallited varies of the Chale of the Satallited were first of the Satallited varies of the first of the Satallited varies of the Satallited varies of the first of the Satallited varies of the Satallited varies of the fundamental polytic first fact for November 2. The Dipole of 1 | December 2 | December 2 | December 2 | December 2 | December 1 | 2 | Dipit 1 | December 2 
| Dik, of For<br>of Obj.Gluis.<br>Rhistord | Seletime | DE ETPERS | Di m. | of Obj.Glas | Apritare, | Dift of F. | Mega. |
|--|----------|-----------|-------|-------------|-----------|------------|-------|
| Feet.                                    | Dec.     | Dager and |       | 15          | 2 12      | 2 33       | 72    |
|  | 0 75     | 0 61      | _     | 20          | 2 45      | 2 70       | 89    |
| 1  | 0 55     |           | 28    | 25          | 2 74      | 3 01       | 100   |
| 2  | 6 07     | 0 85      |       | 30          | 3 00      | 3 30       | 109   |
| - 1                                      | 0 95     | t 05      | 34    | 40          | 3 46      | 3 56       | 136   |
| 4  | 1 09     | 1 20      | 40    | 50          | 4 87      | 4 . 26     | 141   |
| <del>-</del> -                           | - 45     | 25        | 44    |             | 4 24      | 4 66       | 154   |
| 0  | I 34     | : 27      | 49    | 70<br>80    | 4 58      | 5 04       | 166   |
| 7  | 1 45     | 1 00      | 53    |             | 5 90      | 5 30       | 178   |
|  | 5.5      | 71        | 50    | 50          | 5 05      | 5 56       | 182   |
| 10                                       | 1 04     |           | 00    | 100         | 5 48      | 9 03       | 199   |
| 10                                       | 1 73     | 1 50      | 03    |             |           |            |       |

If in Two or more Telefoopes, the Ratio between the Ob-ect and Eye-glass be the same; the Object will be magnid the fame in both. the tame in tour. Hence fome may conclude, the making of large Telefcopes

Hence fome may conclude, the making of large Takingtons an actelled Toulde, But it must be remembered, what we have already laid down: An Isy-ofatis may be in a leif Ratio on a gearer Objectlysis, time to a limiter I Talus, e.g., rise and the Ratio of the Island of Is

Since the Diffunce of the Lens's is equal to the Aggregate Since the Diffusce of the Leav's is equal to the Aggregate of the Diffuse of the Poict of the Opical and Rye plattics and the Poics of a Glati Correce on each Side is a Semi-arran of the Poics of the Semi-diameters of the Leav's first the Opics of the Correct on the Nicolay and to the Dameter of the Leav's first Opics of the Correct on the Nicolay and to the Dameter of the Opics of the Semi-diameters of the Correct.

Conrece.

But as the Semi-dimeter of the Eye-glafe it very finall, in refrect of that of the Object-class, the Length of the Tripfopo is trylarly technical from the Diltance of the Object-class, i. a. from its Semidometer, if it has Convex on both Sistes; or its Dameter if Plano Convex. Thus, a on both Sistes; or its Dameter if Plano Convex.

Titestops is said to be 12 Feet, if the Semi diameter of the Object glass, Convex on both Sides, be 12 Feet, &c. Since Myopes see near Objects best; for them the Eyeglass is to be remov'd nearet the Object glass, that the Rays

Since Myopour ice near Objects best 1.5 of these to 15 per platin is to be round of search to Collegalia, that the Ray, refinished they'll may be the more diverging.

For the control of the control of the control of the Collegalia of the the Ray of the Collegalia 
It has its Name from its being used to view Objects in the Day-time, or on the Earth, or from its being used by

To confirmed a Land or Day TELESCOPE.

A Tube being provided, fit in an Object-glath, which is either Convex on both Sides, or Plano Convex, and a Sequence of a large Sphere: To this add three Eye-clatics, all Convex on both Sides, and Segments of equal Spheres; diff-point phem in fuch Manner, as that the Diffance of any two may be the Aggregate of the Diffance of their Foci.

#### Theory of a Land TELESCOPE.

Thron yill an Evan Transcers.

Then yill an Evan payly in the last Lean, at the Diffusce of its Poots, for objeth every distinctly, and, and amaginfy in the last of the Dibluse of the Dibluse of the Rose is expensed. The Rose of the Rose is the Rose of the R

It to the Axis in M, the Littance of a Semi-diameter, And fince the Focus of the fectoral Eye, glass EF, is also in M; the Ray FH, after Refraction, will be parallel to the Axis NO3, and therefore the third Eye, glass will join it at the Axis in P; but the Semi-diameters of the Leas's GH the axw in  $\Gamma_2$  out the Semi-diameters of the Leas's GH and CD are tippoo'd equals; therefore PO = L M. Wherefore fince the right Angles at O and L are equal, as alfoid the continuous control of the Country of th

or PO to KI.

or FUE KI.

Hence, § A. An Afranamical Torifolds is easily converted into a Land Telefolds, by using three Eye-alizes for one year and the Land Telefolds, or one construy, into an Afraconagain the Company of the Comp

3°. From the Confirmation, 'tis evident that the Length of the Telefope is had by adding five times the Semi-diameter of the Exceptates to the Diameter of the Objecting life in the Plano Convex; or its Semi-diameter, if Convex to the Convex on both Sides.

on both Sides.

Haggars firdt observél, both in the offenominate and Least
Thiopies, that it countrieste conflictably no the Persicion
and Agenta, a little felt and the Least
first of the Countriest of the Countriest of the Countriest
an Agenta, a little felt and the Literath of the Key-glaff,
field in the Place where the Image is found to radiuse upon
the Least-cert little play it by Maran Beroof the Colorus, which
the Countriest of the Countriest of the Colorus, which
coloriest are prevented, and the whole Countriest them in at a
View, perficitly defined.

Object, ne precented, and the whole Composit taken in at a Verve prefetcing deal's offering of them. Lards, which year represent Objects exect and magnify of an much as the former. But find Telephone I down Lards, which year represent Objects exect and magnify of an much as the former. But find Telephone Lards are the contract to the contract of th See RAY and REFRANCIBILITY.

Hence he concluded, that Refraction was too nnequal a Trincipe and that Leas's, of whitever Figures, whicher Spherical, Particolied, and that Leas's, of whitever Figures, whicher Spherical, Particolied, or any of the other that Schlines, and how truly fower ground, would never fiftee for the Perfection of Zeletiples. Upon this he had Recourse to another more equable Principle, viv. Reficilion; and made a Yelfolgo's, conditing of Special, or Mirrors : The first Him whereof he owns he

took from Dr. Gregory's Opticks,

### Confirmation of a Reflecting Telescope.

Reported a Tober Al GLU, (Fig. 4c), open in AD, and character and the Comparison of a Reputal Reported and the Comparison of the Compariso

Account, he afterwards rerecommended Glass Specula instead

of Metallic ones; adding, that there is nothing to of Metallic ones; adding, that there is footing more re-quired to the Perfection of this Trigopole, but that the Art of polificing Glafs be brought to greater Perfection; for that fome longualities which don't but Lens's, are found to affect Specula, and prevent Objects being seen diffically. The fame Author oblerves, that if the Length of the le-

The same Aumor observes, that it the Lengus of the informant to 6 Feet, and consequently the Semi-diameter of the Concret Spreadent 15, the Aperture of the Opcolumn is not 6 Indicated to 10 the 10 t

Acrial TELESCOPE, a kind of Aftronomical Telefcope, the Lens's whereof are us'd without a Tube. Leons whereof are used without a Tube.

In Strickerb, however, the Jerial Telefape, is rather a particular Manner of mounting and managing long Telefaper, for Celefall Oblerations in the Night Time, whereby the Trouble of long muscilely Tubes is favid, than a particular Kind of Telefape. The Contrivance we owe to the noble Huggest.

### Confruction of the Aerial TRLESCOPE.

Confession of the central released in Competition of the Commod.

1º A null Pole or Moff A B (Fig. Ac) the Longth the Tube fluoud be of, in field perpendicularly in the Commod. Before the exceiting in, one Soils is placed fromton, and unsurprise, including a land of Groove or Channel Levenen them, catching from one justice to become a first the contract of the Commod fluor of the Com

times andere dought, in a that, "Quinter at the o's Swart, b.L.,"
Ball M, that more fively in 16.0p or Societies underestly.
Osby, no Occidion, the Bill and Societies are he'd by a Swart,
Osby, no Occidion, the Bill and Societies are he'd by a Swart,
Miller Born, and the Bill and Societies are he'd by a Swart,
Miller Born, and the Swart Swart, but a finished by a firmer Water NF, by Teading which, the common conclude with their of the Bill. To the Swart K, b, it side a heaft Spiel L, which is been downwards, till he Born be as Born and the Swart K, b, and the

of the Thread is flooten'd or prolong of at Pleature.

4º That the Observer may be able to hold the Eye-glass fleady; he has a Fulcrum or Prop under his Arm, the Struchare whereof appears from Infriction of the Figure, Lastly, to keep off the feeble Light flowing from the Air upon the Eye, it is conveniently coverd with a Circle, Y, perfo-rated in the Middle, fured on to a moreable and flexible Arm

Triescopical Stars, are fish as are not visible to the maked Eye; but discoverable only by the Help of a Telescope. All Stars less than the 6th Magoltude, are Telefcopie to a

All Sous less than the 6th Magolude, ser Tolofoppie to a moderate Eye.

"TELLER, an Officer in the Exchequer, of which chees are Four. See Excentagran."

Mentage and Excentagran.

All through a Figs., time the Tally-Court, when it is received by the Adultier's Clerk, on the Tally-Court, when it is received by the Adultier's Clerk.

The Tally is the Report of the Excent Excent Clerk of the Clerk of the Excentage and the Clerk of th

Their Places are in the King's Giff, and they have, befides their chief Clerk or Deputy, four other Clerks, for the Difpatch of Bufinefit

TELLUS, Terra, &, in Aftronomy. See EARTH.

TEMPER in a Physical Musical Mechanical Sense, See TEMPERAMENT in Music. TEMPERAMENT in Music. TEMPERING.

TEMPERAMENT, TEMPERAMENTUM, TEM-PERATURE, in Phylicks, that Habitude or Difpolition of a Body ariting from the Proportion of the feveral prime or elementary Qualities it is composed of, See QUALITY and

ELEMENT

1 be Notion of Fembraneur, 1 ide from that of Mixture, where different Elements, as Earth, Wester, Air and Fire (or, to fisak more juilty, in the Peripaette Way, hor, cold, musified may be relieved together; by their Opposition, they and and will be the control of the control The Notion of Temperament, arises from that of Mixture;

a majl or aby Tamperamies.
It is concreved awaring the School-men, Whether the
Temperamies properly comprehends all the Four primary
Temperamies properly comprehends all the Four primary
as Fifth, fimple Quality, refinir from the total Alteration made
in the other Four, by their musual Action on each other?
Authors diffinigent two Kinad of Temperaments, vie.
Uniform and Difforms: The Fifth, wherein all the Qualities
are tilted in an equal Degree The Geood, where in an an-

trajum aud Differs : The First, wheren all the Quillos are tain't in an equal Depue : The Second, where in an international country of the properties of the property of the properties of the properties of the properties of the p

Choleric, Phigmatic, Us.

The Ancients diffinguish'd two Kinds of Temperaments
in the fame Body; the one as Ponses, in Weight; the other,

The Temperamentum as Pondus, is, where the ele

The Temperamentum of Pusion, is, where the elementary Qualities are found in qual Quantities, and in equal Possicions, and in equal Possicions, the his flappoid to be in the Sikin of the Figures; without which they would ware Power of distinguishing the state of the Possicions of Possicions, in that which contains unequal Persions of the Qualities, hat yet in first Proportions as it accepting for the Dicklarge of the Possicions proper to the Part: Such is the "Compressment in a Boos," which contains more earthy than approach Parts, to make it more than 4 and field, for in Officer of Retinition.

Galen observes, that the Temperament ad Pondus, is only inginary; and that though it were real, it could not subfift above one Moment.

fift above one Moment.

Dr. Pricary Books on the Temperaments or Conflitutions,
as native Diffusfus According to him, any one induced
with whatever Temperament, hash the Sected of a real Difcafe within him: A particular Temperament, furposing that

fome Secretions are in greater Proportion than is proper for Life Indefinitely long.

As the Divertities of Temperar Directions of Hemperaments are no other than Directions of Hemperaments are no other than Directions of Properties of Properties of Properties of Properties of Hemperaments, though Authorshave only Uppold Four. The Sangian, which is reckend a Yemperament, Thecarm

tays, is no other than a Piethora. See PLETHORA.

TEMPERAMENT, or tempering, in Mufick, a reclifying or mending the falle or imperfect Concords, by transferring to them part of the Beauty of the perfect ones. See Con-

of meaning the same of method means, See Contents.

The Digress of the Olders, which may be called its activation of the period of the Contents of the Content

One might also divide each of the five Tones of the Octave into Semitones, which, join'd to the two it naturally has, make twelve: In which Case, the whole Octave would be divided into twelve equal Parts, which would be mean

"Tis cat'y to firm various other kinds of Sundynamicats.

All the Difficulty is to find flich as are free from two great

Laconvenience, i.e., which door that criebre all the Concords too much, or, at leaft, foun of them.

All find Divisions of the Ottaw are call'd temper's, or

temperature Systems. See Syverns and Scalar of Multick.

TENTERRITZON, ONE CONSTRUCT ARE THE PROPERTY.

remperative Myllems. See Sversta, and Secan of Adjobe,
TEMPERATE Zears. See Zoars.
The Meada are more left and plant; according to the
respective Occasions. See Inoos and Syrac.
The Meada are strapedy by planting them, while red
per Water is said for that Party the Perpose. Sometimes
per Water is said for that Party the Perpose.
Sometimes a Composition of divers Jaives, Liquens, Ed.,
Sometimes a Composition of divers Jaives, Liquens, Lique

by querich them in Water to make them hard: But Spanjia and Frieds Betted under that all flooded Heat Hear it is to querich. See Harry.

It the Strel be too hard, not brittle for an Edge Tool, If the Strel be too hard, not brittle for an Edge Tool, If the Strel be too hard, not brittle for an Edge Tool, If the Strel be the Strel to Then brighten, or best in the Herris, and as is grown been tree, you wall fee the Colour change by Digrees, coming first no 3 brane, or light goldin Colour, much on darker Goldin's Colour, and at list to a Bluet Colour. Chafe fact, of these Colour chapter is the Colour chapter of the Colour chapter in the Colour chapter is the Colour chapter in the Colour chapter in the Colour chapter is the Colour chapter in t

The light Gold Colour is for Files, cold Chiffels, and Punches, that punch Iron and Steel: The dark Goldish Co-lour for Punches to use on Brass, &c. The Blue Colour gives

lear for runners to the contrast, See

The Vinter for Springs, 15c.

The Vintering of Files and Needles is performed in a
providing Manner. See Figur and Needles is performed to the
providing Manner. See Figur and Needles is performed to
Timpering, the providing to the Moderns are acquainted with 13
twitter their. Works in Peoplety 4 a Stone to hard, that
none of our Tools make any Impression upon it. See Pon-

TEMPEST, a Storm, or violent Commotion of the Air, with or without Rain, Hail, Snow, &c. See Wind, Hur-ricane, Whirlwind, Water-Pour, Earthquare,

TEMPLARS, or Knights-Templars, or Knights of the Templars, a Religious-Military Order, first established at Jeruslaten, in Favour of Pilgrims travelling to the Holy

foreignes, in Pavieur of Pajiran travelling to the Holy Land. See Nauron; to Ooder, the Nilliant Order in the World, while it is a 118, fee faith. Nilliant Order in the World, is this is a 118, fee faith with the World, in the I at 118, fee faith of the I at 118,

Piece of Gouad hard by the faid Tempte, to build them require Inducts on and the king, the Lond, the Patrinsk, require Inducts on and the king, the Lond, the Patrinsk, and the London and

in 1313, the Order was quite furpreful in the Consection (Frimm, and do beard and health of the Consection of the Consec

ber hier Suppression? And what was it is suppress a set of the control of the con

Woodi, Even fome Philosophers have blamed the Use and Build-ing of Temples, particularly Disgeness, Zeno, and his Fol-lowers the Stoicks: But, it may be faid, That if God have no Need of Temples, Men have Need of Places to meet in for the publick Offices of Religions a accordingly, Temples may be traced.

traced back even into the remotest Antiquity. See Hofpiniamus de Origine Templorum. The Remons had feveral Kinds of Temples; whereof those built by the Kings, S.c. consecrated by the Augurs, and wherein the Exercise of Religion was regularly perform'd,

were call'd, by Way of Eminence, Templa, Templas,
Those that were not confectated, were call'd Ædes.
The little Temples, that were cover'd or roof'd, they Those open, Sacella.

Those open, Secollar, Some other Edifices conferented to particular Mysteries of Religion, they call'd Foun and Delubra. All which Kinds of Temples, Fernesian tells as, had other arricular Denomination, according to the Form and Man-

ner of their Confin Stion; as hereafter related. ne of their Contin, thou, as hereafter related, Indeed, the R.-m our-did all Nations in the Point of Temples; they out only built Temples to their Gods, to Porton, and that in their Life time, plants are proved, and that in their Life time; plathaces whereas what in index Life time; plathaces whereas Angular hereast, and the Hereast Complimators, Josephan French, and fet his that their were the plants of the Points of gujus had his Temples and Altars while living.

Viventi tibi matures largimur koncret; Juransafq; tutun per nomen pozimus Aras, Epist. ad August.

TEMPLE, in Architecture. The ascient Temples were diffinguish'd, with regard to their Construction, into various Kinds; as, Tamelles of Ante, or simply Ante: These, according to Vitravius, were the most simple of all Tamples; having only angular Pilaster, call'd Ante, or Taroptae, at the Corners, and two Tustan Columns on each Side the Doors.

See Anna Terrafyle Tempes, or fimply Terrafyle, was a Temple that had four Columns in Front and as many behind; as that of Forema Virilis at Rome. Se TETRASTYLE.

Profigle-Temple, that which had only Columns in its

Front or Fore-fide; as that of Ceres in Elenfit, in Greece.

Amphiprofisie, or double Profisie, that which had Cotyle. See AMPHIPROSTYLE. Peripters Trample, that which had four Rows of info-lated Columns around, and was Hexatiyle, i. e. had fix Columns in Front; as the Temple of Honour at Rame. See

PREYOTERE. Diptere-Temple, that which had eight Rows of Co-lumns around, and was also Octofyle: Or had eight Co-lumns in Front; as that of Disms at Ephelm. See Dir-

PREUDO diptere, or imperfelt diptere
Hypetre - - - - See Hypetre.
Monoptere - - - - Monoptere.

The Word Temple is found from the Latin Templum, which fome derive from the Greek whose, fignifying the fame Thing 3 and others from whome, adjented, I cat off, I feparate, in Kegard a Temple is a Place feparated from como Ules; others derive it from the old Latin Word resemble.

mon vies 5 omers cerive it from the old Latin Word tem-flare, to contemplate.

The ancient Augus gave the Name Temples to those Parts of the Havens, which they mark'd out for the ob-ferving of the Flight of Birds. Their Formula was this: Templa tesqua sunto.

ZEMPA EXPRESS AMONG US ATE TWO IGES OF COURT; thus call'd, because anciently the Dwelling-House of the Knights Templars. See TEMPEAR.
At the Suppression of that Order, they were parchas'd by fome Professions of the Common Law, and converted into Hashing or June See June.

Hospitia, or Inns. See Inn.

They are call'd the Inner and Middle Temple, in relation to Effect House, which was also a Part of the House of the

Templars, and call'd the Outer Temple, because fituate withat Temple Bar. In the Middle Temple, during the Time of the Templars out Tempi

In the Missale Temple, during the Time of the Templers, the King's Treasure was kept As was also that of the Kings of Prasce in the House of the Templars at Paris. The chief Officer was the Master of the Temples, who was fammord to Parliament in 49 Men. 3, and from him, the chief Minister of the Temple Charch is still call'd Master

sue cince numiter or the Temple Edwich is still call d'Mofter et fe Temple, See Mastran.

Trantan, Tempera, in Antomy, a double Part of the Head, reaching from the Forchead and Eyes, to both Ears, See Haars.

The Temples are form'd of two Bones, ca'ld Offa Tem-ris. See Temponis Offa. Menage will have the Word deriv'd from the old Latin, Tempra, whence Tempora, and Temples. But the Physici

ans give another Origin. There Parts, they fay, were call'd Fronters, from their fliewing the Age or Time of Man, by the Colour of the Hari, which turns which in his Part before any other; Which Itimer feems to have been aware of, by his calling Men Policovaphy, d. d. Grey-

TEMPORAL, Temperalis, a Term frequently us'd for Secular; in which Sends it stands in Opposition to Ecclesiastical. See Sucuran.

Pope Beniface wrote to Philip the Fair of France, that he was fubject to him both in Spirituals and Temperals. At prefent all the Doctors on this Side the Alps own the Supre-

preiest all the Dictors on this Side the JBJS own the Supre-mercy of Kingli Temporals. So of Suprimary, and the presence of Kingli Temporals and the Suprimary of Suprimary a Sumi-circular fieldly Beginning, from a Fart of the Drotti, the lower Part of the Tartesle, and upper Part of the Tampbrade; from whence going under the Zagoma, and applied produced to the Suprimary of the Diversity of the and tircon J control of the Diversity of the Suprimary of the lower than the Suprimary of the Suprimary of the Diversity of the James of the Suprimary of the Suprimary of the Diversity of the Suprimary o

Jaw, which it pulls apward.

This Muscle is also call'd Grosaphites, and is cover'd with

Ans makete is also can devergence, and severe with a frong tendonous Fakis. See Caorarittes.

TEMPORALITIES, the Temporal Revolutions of an Ecclesiatics particularly, fach Reveness, Lands, Temenests, or Lay-lees, as have been saneach to Hilhops See by our Kings, or other Perfors of high Rank in the Kingdom.

The Canonitis on the other fide the Mp1, anciently gave the Pope a Power over the Temporalities of Kings. Yet Pope Clement V. owned frankly, that his Predeceffor Zoul-face VIII. had exceeded the just Bounds of his Authority, in moddling with the Temporalities of the King of France.

Feuret.
TEMPORIS Os, Bone of the Temple, a Bone on each Side the Head. See TEMPERS.
The Figure of the Or Temperit is nearly Circular. The Figure of the Or Temperit is nearly Circular. The fore and upper Parts are very thin, confitting only of one Table. The lower and hind Parts are thick, hard, and un-even.

even.
It is joined to the Os Sincipitis, by the Squaramous Sutare z whence, in that Part, it is call'd Os Squaramoughan. Its lower Part is joined to the Os Occipitis, and Sphenoides: To which latere, as likewife to the Bones of the upper Jaw, it is joined by means of certain Proceeding, and in that Part, is call'd Os Optimizer. So Purpagnam.

by means of certain Procedies, and in that Farz, is called Of Furriquine. See Prevanewa.

Each of the Offe Temperary has two Sama's; the Each and the Offe Temperary has two Sama's; the Each Farz whereigh, all made with a Curtillage, and receives the receiver whereigh and the Company of the Company of Part of the Sama Lastenies of the Dara Matter. Each like-wish has four Proceedings, the Off-going - Verseift's Availables, Spitales, and Or Peterfum. See each described under its proper Article Jeans, MAMALEASE, McGlien, or Sollici-LEMIT ATLON, in Theology, an Indexien, or Sollici-lation to Parily whether from the World, the Hills or the Jeans to Parily whether from the World, the Hills or the

Devil. Among the Myflic Divines, profitable Temptations, are those Trials the Soul is to pass through, e'er it arrive at the unitive Life, and the Peace within.

when it furnoants that Drynels and Darkoets it falls into, through a Sulpension of the Effects of divine Love, and that it results the World, and all the Allatements it presents those Tempissions are called Tentations Utiles, and Fructure

In our ancient Law Books, Temptation, Tentatio, is ufed for a Trial, Proof or Affay. Tentatio Panis fiat bis, in Anno Chart. Edw. I.

for a Ti-oil, Proot or Assay, seames— CONTENTIAL IN the military Art, foreclining that may be defended, kept and held appoint Affiliants. The Word is little such, but with a Negative: When a Place is open on all Sides, and it is before all beams flower, and the such as the such as good first the such as the such a

re-entering Angle, In Strictness, that Angle, and the Faces that compose it, are the Tensille.

The Word is French, and fignifies, literally, Pincers or

Nippers.
The Tenaille is of two Kinds: Simple and Double.

The Tentille is of two Kinds i Simple and Dunble. Simple of pile? Tentille is a large Oct-work, at DJ A B CB (This face-fixed-see, Fig. 8.) conditing of two faces of Side of The prescribed of the Tentille are, that it takes up too mach Room, and so that Account is advantageous to the Fine prescribed of the Tentille are, that it takes up too mach Room, and so that Account is advantageous to the Fine Proportion of the Tentille are the Tentille and the Tentille are the Tentille ar

For the Reafon, the Traille is now excluded our of Pereflection by the helf Engineers; and zeror mode, but Traille is now the Reafond State of the Reafond S

and the two Sides of the Bullians which face one another. See BarryinS, Curvalan, Cf...
So that the Tanadhi is the fines with what is otherwise Call's, the Fines of Fairryili, See Donary 120 Fides.

For the Tanadhi is the fine of the Cartin, in the Middle of the Fish or Direkt. It is of three Sees 1 The First to composed of a Cartini, two Finish and ruso Direcs. The Rumpars of the Cartini, the collains are real bullets. The Rumpars of the Cartini, the collains are real ruso Fines. The Rumpars of the Cartini, the collains of the Direct of Hardwise and Fises Seem.

The Second, which Faisher faith, be found to be of vary good Deficine, it compiled only at two Fises, made on the The Intel Seet differs from the Second, only in this, that is Rumpars is painted to the Cartinia of the Place.

its Rampart is parallel to the Curtain of the Place.

its Rampart is paramet to the current of the Frace.

All three Sours are good Defences for the Ditch, and lie fo
low, that they cannot be hurr by the Befiggers Cannon, till
they are Marters of the Corert-way, and have planted their Cannon there

Cannon there.

TENANCY, a Habitation or Hunft to live in, or a Tenement, or Pofferfien held of another, See Tenement.

TENANT or TENENCY, in Law, one that holds or pofferfise Lands and Tenements, by any kind of Right, either in For, for Life, Years, or at Will. See Possession, Tener.

The Tem Tensor, is still in Low with direct Additions.

The Tem Tensor, is still in Low with direct Additions.

The Tem Tensor is the circ politic Loads by Virtue of the Control of the C

Elegit. See Elegit.
Touant in Mortgage, holds by means of a Mortgage.

MORTGAGE.

Tensus by Verge, in ancient Demethe, is he who is admitted by the Rod in the Court of an ancient Demethe. See

VERGE and DEMESNE VERGER and Demann.

Tenant by Copy of Court Roll, is one admitted Tenant of any Lands, See, within a Manor, which Time out of Mind, have been Demifable according to the Cafforn of the Manor.

See Copyhorn.

Tenant paraueil. See Paratal.
Tenant properly. See Paratal.
Tenant by Chorter, is he that holdeth by Peoffment in
Writing or other Deed. See Celarer.
Tenant in Capite or Chief, holdeth of the King in Right

his Crown. See Capter.

Tensus of the King, is he that holdeth of the Person of of his Crown the King.

Joint Tenents have equal Right in Lands or Tenements by

Virtue of one Title.

Tensors in common, have equal Right; but hold by divers Trites. A Particular Tensor holds only for this Term. A Self Tensor, is be, who hath no other joined with him; and a Tensor by Evecution, is be who holds by Virue of an

and a Tennes by Evenetine, it is who holds by Virse of an Econotion span on Manue, Accompliance, Ge.

Tennes in Stranger, Alment in Songe, Tennes in Prometer, Tennes in Stranger, Alment in Songe, Tennes in Freedom, and there is all Tennes in Freedom, and there is all Tennes in Freedom, and the second supplements, &c. Songer, Tennes in February, and Tennes to Supplement, &c. Songer, Tennes, Supplement, Supplement, Tennes, Tenne

mous with Supporter.

The Difference which fome Authors make between the

The Difference which from Authors make between them, is, that Yenmiz ran limply, and Stylperence abudes; one placed on each Side the Shield. But the proper Blittlen forms porture, places of Bestle.

There are various Forms of Yenerit, as well not Supported, etc. and the Supported, etc. and the Supported, etc. Angels, Mind. McLiplora, Sorrage, Monor, George, Edwards, Mind. McLiplora, Sorrage, Monor, George, Edwards, and State and Sta

The Origin of Tenents and Supperters is referred to the ancient Tournament, wherein the Cavaliers had their Arms bose by Servans diffigured like Stavages, Moora, fabulous Deities, Bears, Lions, &C. See Surronama.

TENAR, in Anstemy, a Markle, whose Office is to draw the Thumb from the Forefinger. See Finoza. In American See American. See American.

Its Antagoniti is call'd Antifenar. See ANYLTHNAN.
TENCH-Pipung. See Tench Estima.
TENCH-Pipung. See Tench Estima.
TENCH-Pipung. See Tench Estima.
TENCH-Pipung-See Tench Estima.
TENCH-Pipung-See Tench Estimated of Anylthness of Anti-Pipung Law of Summers, is to offer himself ready to Archeb Law of Summers, is to offer himself ready to Marke his Law, whereby to prove that he was not furnache his Law, whereby to prove that he was not furnache his Law, whereby to prove that he was not furnache his Law, whereby to prove that he was not furnache his Law, whereby to prove that he was not furnache his Law, whereby to prove that he was not furnache his Law, whereby to prove that he was not furnache his Law, whereby to prove that he was not furnache his Law.

TENDER, in the Sea Language, is a Veffel, attending on fome other larger, and more confiderable one. TENDING-Penny. See Terming-Penny.

TENDING-Penny. See Alterising-Penny.
TENDING in Anatomy, a hard, white Part of a Marke,
whereby it is failten'd to the Bone. See Misser.
Molf Markets have, at least, two Tendens, one at each
Extense: that failten'd to the Part toward which the Motion
to the perform'd, is call the thress of the Mingle's, and that
failten'd to the Part drawn towards the other, the Tail of the
Mingle. See Hara and Tair.

Mullele. See Head and FALL.
The Filters, whereof the Tendens confill, have been fuppoided to be Nervous; but they are now found to be no other
than Productions of the fine Fibres, which make the Belly
or Besty of the Mullele. All the Difference between them is,
that in the Belly of the Mullele they are lay, and at a
Diffunce from each other, whereas in the Tenden, they are

Assume from each other; whereas in the Tenice, they are more clofely and firmly connected.

Their Whitered proceeds wholly from the Blood's being excluded, by the Tightness of their Contexture: In effect, there is the fame Difference between them, that there is the Tenice and the state of the Their short fame.

Threid, The Fibres of the Tenden's undergo no Controldion, or Dilatation, as those of the Belly of the Maftle do 3 theyed so mere Cords, to draw the Parts towards each other.

The Sature of a Tenden, is a very delicate Operation in Chirargery. It had been absoluted a long "Time, and was not mediabilished till the last Centery by J. Bienaife. See

SETURE.
The Puncture of a Tendon is very dangerous.

Lord. Kitchin, Briton, Ele., make Frank Tenement and Bufe Tenement, Opposites; so that Frank Tenement should be where the Tenant is at liberty to quit it when he plasses. TENEMENTARY Lossis, among our Anteslors, were such Lands as the Sasses Thanes or Nobles let out to Tenants.

such Lands as the Meson' Humes or Nobles let out to Tennes under arbitrary Rens and Services. Soc Transary.

TENEMINTIS Legatit, in Law, a Writ which lies in Lendon and other Places, where the Caffton is a devile Transactor by laft Will, as well as perfocal Goods and Charitely for the Henring of any Casafe relating hereto.

TENENTIBUS AND ANDS AND OUTDOORS.

TENENTIBUS AND ANDS AND OUTDOORS.

he has diffeis'd of another; that he be not diffurb'd for the TENESMUS, in Medicine, a continual Inclination to go

or to Stool; yet without voiding any Thing, unlefs, fometimes, a little purulent bloody Slime.

The Carel of the Templasse, is a tharp, pungent Humour, irritating the Intellinum Rechum and exciting those trouble-

Inter-Office of the Versighble, is a frainy, position 4 consoci-tivating the Interlitiman Recham and exciting their trouble-fome Endotrous to create. Those affected with the South sear all finished to the Yessification, from the Communication, or Confirm between the Bladder and the Recham. The Word is formed from the Greek, robox, etc. dere, to bond, in report those stracked with this Difficate, feed a con-tinual Tendino in the Endotrous.

timal Tenfon in the Fundament.

The Care of a Yenglows depends on proper Evacuations and Affringens; the former always recording the latter; fisch are Bleeding, if Petebroic, genthe Cultarities, effectally of the Powder of Rhobert, E.C. An Emetic of the Indian Roce, Jeocomanh, has been found of great Everice in a long Banding Tenglows; for the augmenting one Evacuation, is

the leffening of another, and it becomes fo much the reicable, as they happen to be Contrari The Restringents are such as are of use in other Fluxes.

See Diagrama, Dysenvery, &c.
TENET, a particular Opinion, Dogma, or Doffrine, profesfolly held by fone Divine, Philosopher, &c. See

Dooms.
The diffinguishing Town of the feveral Sects in Religion
The diffinguishing the under the Names of the Sects the Sects
for the Sects of the Sects of the Sects of the Sects
TENMENTALE, or TEMANTALE, in or sects
Coffens, originally fignifies the Number of Ten Men ,
TENMENTALE, or TEMANTALE, in our sects
Coffens, originally fignifies the Number of Ten Men ,
Coffens of Ten Men ,
Coffens of Ten Men ,
Coffens of Ten Men ,
Ten Men ,
Coffens of Ten Men ,
Coffens of Ten Men ,
Coffens of Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Men ,
Ten Me

Their cas Mea acre bound for each midne to perferre the policie faces; and if any of them was found gully of a Breat bierrof, the other nice were to make Sunfation.

The World was allowed for a first perfect of the King, confiding of two Sullings for each Roughland; which was probably than cell de, by Istendo each Ferion of TENNNY, or TAWNY, in Heraldry, a bright Colour, made of Red and Cyleron and Cyleronized allowed for the Sullings for the Sullings for the Sullings for the Sullings for each Roughland; which was probably than cell de, by Istendo each Ferion of TENNNY, or TAWNY, in Heraldry, a bright Colour, made of Red and Cyleron in Sullings for the Sullings

and it Proceed Ceats, the Dragens Head.
and in Proceed Ceats, the Dragens Head.
TRNON, in Building, Es. the End of a Piece of Wood,
or Metal, diminish'il by one Third of its Thicknets, to be
received into a Hole in another Firee, call'd the Martifs,
for the jointing of failtening the two together. See Mon-

Annong Joiners, Sef. the Times is made in various Forms, figures, Dove tail<sup>2</sup>d, for double Mernice, OrTimemous calls in Timess, Genings Dovessid II Timemous Calls of Timess, Confine Dovessid II Timess, Confine II Timess, Confine II Timess, Confine II was impublish to retain follows 2 Speech Word for Word, but the Subdilance, the Timess is middle II was impublished, the fairth mean or middle II Times, or In Marie, the fairth mean or middle II Times, or In Marie II Times in X Marie, the fairth mean or middle II Times, or In Marie II Times II X Marie II Timess, II X Marie II X Ma

and Music.

The Tenor is frequently mark'd on thorough Baffes with

the Letter T.

The Topor is a Part which almost all grown Persons can fing. But as fome have a greater Compass of Voice up-wards, others downwards, others are confined to a kind of wares, orders downwards, others are confinid to a kind of Medium, and others can go equally either higher or lower; a hence many Madicians and ke a Variety of Years, as a low parties of the property of the second 
TENOR is also us'd for a Person who sings that Part in Concert; or for an Instrument proper to play it.
TENORE Institionment instituted, is a Writ whereby the Record of an Indistinent is call'd out of another Court into Chancery

TENSE, Time, in Grammar, an Inflexion of Verbs, whereby they are made to fignify or diffinguish the Circum-flance of Time of the Thing they affirm, or attribute. See

Vans.
The Affirmation made by Verba, as different as to Rise
The Affirmation made by Verba, as different as to Rise
The Affirmation of the Property of 
But in regard, in the Preter one may either express the But in regard, in the Freter one may either express the Thing as juld done, or past, or indefinitely and barrly that it was done: Hence, in most Languages, sife two Kinds of Preterity, the one signife, marking the Thing to be pre-cisely done; as, I have written, Howe fails: And the other industries of anyth, donesting a Thing done indeterminately; as, Terros, I revent. See Fair year. The turner Yielf's admits of the fame Variety. See Fu-

Befide the three simple Zingles, others have been invented, call'd compound Zingles a experting the Relation of the simple cones to each other: The sift expertiles the Relation of the part to the present, and it call'd the presenting-present Zingle, because it does not mark the Thing simply, and properly as done, but as imperfect and present with respect to another Thing gall as a Je was a Zingles weeke be enter's a contert Thing gall as Je was a Zingles weeke be enter's Cum intravit cenabam.

The second compound Time marks the past doubly, and is therefore call'd the plusquamperfect Tense; as, I had supply,

The third compound Tenfe denotes the Future with refiect to the Pais, as a food house furple, Commonwe. The feveral Tenfe to Tenfe the Tenfe to Ten

As to the Oriental Languages, they have only two fimple Tenfet, the PaGd and Future, without any Diffinctions of imperted, more than perfect, &c. which renders thofe Languages fubject to abundance of Ambiguities which others

TENSION, the State of a Thing bent, or the Effort made to bend it.

made to bend it.

Animals only fulfain and move themfelves by the Temfors
of their Mufeles, and Nerves. A Chord or String gives an
acuter or a deeper Sound, as it is in a greater or lefs Degree
of Temfor. See Crosen.

TENSOR, in Anatomy. Sre Expensor.
TENT, Tabermade, a Pavillion, or portable Lodge, under which to shelter in a Campagne, &c. from the Injuries

of the Weather. See TABERNACLE. on the Weather, ore TABERNACE.

Armies encamp under Tents: Most of the Tarrars and
Arabs are wandring People, that lodge under Tents. The
Habrens lodged forty Years under Tents in the Defart 3
which gare Occasion to the Scenopegy or Feast of Tabernacles. See Scenopeoy.

The Word is form'd from the Latin tentorium, of tende, I firetch; in regard Tents are usually made of Canvas

Let word is british tenin the Lifts Testiorium, of Trains, the word is british tenin the Lifts prouds of Claims. Therein John St. Claims, make in a particular of the property, in Chronegrey, is a Roll of Lim, make in a particular of the Limes, more than what comes out at the first Dieffing. The Lifts of the Lift of the Lif

whether of no it will indeed.

In the French Universities, a Trussation is the first Thesis or A.R., which a Student in the Theology School, holds to show his Capacity; if he answers well, the Degree of Bachelor is conferred on him.

TENTER, called also Tryer and Prover, a Machine used in the Cloth Manufactory, to firstch out the Cloths, Stuffs, &c, or only to make them even, and fee them square. See

Czorst.
"Tis usually about Four Fret and a Half high, and for

Length, exceeds that of the longeth Piece of Cloth. It conflits of Fevral long figures Pieces of Wood, placed like those which form the Barriers of a Manage, so, however, as that the lower Corsi-piece of Wood rany be raird or lower'd, as is found requisite, to be fixed at any Height, by means of Piras. Along the Cross-pieces, both the upper and under one, are hooked Nails, call'd Yeuver-books, placed from

under een, ar hooked Nails, call M zentr-mous, passes an-dynas to Bytos. Celledro a the Tener. While the Piece is yet quite wet, one Roal is fained to one of the Eads of the Ermir, then larged the Piece of the transcrands the other properties. The properties of the Piece of the Piece of the Ermir, the larged the Piece of the Piece of the being failedth, the upper List is hook! do no the upper Colli-piece, and the lower I ili to the Lower Conspiece, which is properties, and the lower I ili to the Lower Conspiece, which is the Ermir, the properties of the Piece of the Piece of the Ermir, the properties with a Piece of the Piece of the Breakth, they benth it with a first Harborit, and thus the properties of the Piece of the

TENTH, Decima, See Titil.

TENTH, Distans. See Turn.
The Ballyshearts and Egyptom year their Kings a Temb
of their Receases is see Aprileir in the Occosmode, ills. 2.
Distants Stocking, ills., or and Streke, ills. See Stocking Stocking, ills. or and Streke, ills. See Stocking Stock

Bennies to the Gold, whence the Name of Topicar Predistricts on the Gold, whence the Name of Topicar Predistricts are the International Conference of Confer

mmer.

The Heret, or Resundas mejer, arites from the lower Angle of the Basis of the Scapula, and ascending obliquely upwards, in a round finooth Body, under the Head of the Langas, is inferred with a short flat Tendon into the Neck of the Os Humeri.

or the OS Humers.

The Teres, or Restandar minor, call'd alfo Transfeerfalis, is frequently wanning, or, at least, fo confounded with the Infresspinatus, has it is loft therein. It arises from the inferior Angle of the Saspula, and affending obliquely in a round fleftly Body, petits over the upper Head of the Longues, and is inferred by a fhort flat Tendon below the Os Hu-

meri.
TERGHEÆTOUS Plants, are fach as bear their Seeds on
the Backfides of their Leaves. See PLANY and SEED.
Such are the Capillaries. See CAPILLANY.
TEREBINTHINA, in Medicine, Natural History, &c.

TERM, January, in Section of any thing, or that which bounds and limits its Extent. See Express.

TERM, January, is forestime said for a Point, forestimes for a Line, 25c. A Line is the Terms of a Superficies of a Solid.

This is what the Schools call Terminus Quantitatis.

Term, in Lew, fignifies a Boundary or Limitation of ime. In this Scafe we fay, A Leafe for Term of Life, For Time.

Term of Years, &c.

TERM, TERMINOS, in Architecture, is a kind of Statue, or Column adornol a-top with the Figure of a Man's, Woman's, or Satyr's Head, as a Capital, and the lower Pomanis in a kind of Sheath or Scabbord.

collagi na kind of Sheish or Schöod.

\*\*Ferrat are foreceines and a Confoles, and fidinis Bathalarus, and finerines as Stress to salter collasses.

\*\*Cortest are foreceined as Stresses to salter collasses.

\*\*Cortest gave the Gold Arterray; whole Status, made disr this Manter, was placed in Stread of the Code-ways in the City of Code and the 
Microssy was thus represented, and also call'd by the Latins, Microsrius Quasarifermin, as being supposed the First, who taught Men the Use of Letters, Music, Wrestling and Geometry. See Hernes.

TERMS are also us'd for the several Times or Scasons of the Year, wherein the Tribanals, or Courts of Judicature; are open to all who think fit to complain of Wrong, or to feek their own by due Course of Law or Action. See County

Day, Law, Fastus, Se. In Contra-diffinction to these; the rest of the Year is call'd

Vacation. See VACATION.

In Comraduration to mente, the rest of the Test's security of the form where are first in every Year, sharing which the form the rest of the test's Year, sharing which as I Ladius, begin the via 14D and of the form which, at Ladius, begin the via 14D and ords the 14th of February that the property of 
Methodus Term begin Offder the toth, and end 27-ender be trib.

Careling the trib.

Careling the trib.

Careling the trib.

Careling the trib.

Careling Texaus. Lest Term begins (Seasons the trib.

and ends the Fristey before Palls Messey. Enfor Tembegins the Westellay since Beller-week, and ends the Westbelow Williamster, Trimity Term begins the Westellay

since Trimity Studies, and ends the Fristey siter the

Commencement. Methodesimal Term begin Offder the roll,

and ends December the 16th.

In Studies, Carelineas Term

being Termine Tex.

Irifo and Sattle Trans. In Stelland, Candienness Term begins Transary to 24, and end of February the 1214. Whit-familied Term begins May the 25th, and ends Jame the 15th Lummest Term begins May the 25th, and ends Jame the 15th Administration Septim November the 3dt. Maritimus Lerm begins November the 3dt. and ends November the 25th. — In Ireland the Terms are the finne as at Lumban, except the Mitchesless I Term, which begins as at Lumban, except the Mitchesless I Term, which begins to November the 3dt, and digitars to November the 3dt, and

Offslow the 14th, and adjacens to Accessor toe 304, seas-thence to the chi.
Thanks, in Genomes, a particular Word, Dickien, or Ex-traction, in Genomes, a particular with the Company of the The Word Type, Typesium, in berow 4, metriphotology, by the Genomestries and Philiotophen, from the Medisters or Surveyon of Loudie 18 a Field is defined and diffin-guilled by in Verment, or Laima, fo as the Thing or Mat-Same of our Philiophylen compains lookly of the great Same of our Philiophylen compains lookly of the great UK, or eather Abult of vayes and general Yersus, which have no newalf, definitive Significations.

Ufe, or rather Abufe of vague and general Yernst, which have no precific, definitive Signification.

To diffinguish thefe, F. Mallebranch observes, that every thing that is (whether it have actual Exiffence, or nor) and of confequence every thing that is inettiliple, is either a Being, or a Mode, or Manner of Being: Where, by Being, is challeng in the state of the second of the meant whatever is abfolure, or which may be conceived alone, and without Relation to any other Thing; and by meaner of Being, whatever is relative, or which cannot be conceived

alone. Now, there are two Kinds of Minner of Beling 3 the one conditing in the Relation of the Parts of a Whole, so fame Part of the filme Whole) the chart in the Relation of one Part of the filme Whole) the chart in the Relation of the Part of the filme Whole is the Relation of the Part of the Relation of the Relation of the Part of Wax; and of the Good, the third was the relation of the Relation of the Relation of the Relation of that filme Wax. It then, very whole that is inelligible, the real-cities other to Belings, or Manere of Belings, via crident, very Yirras which does not fightly citied or third Thirds fightless nothing; and that every Yirras which does not fig-nify other, a Beng or a Manere of Belings, is no obliver and reconfus'd Term.

contain AFFIN.

In Menaphylicks, the Ufe of fuch AFFINS is formerines re-celling and sillowable, as in figuring of the Divine Perfectli-ons, §C. But in Phylicks it is diways michicuses, and yet nothing more common; 4. 97, when we fay, that Bodfes send to their Courts, then they fall by their Bright, when they rife by their Levity, that they move by their Matters, that they change foxed/fuely what Farins, that they all by their Friends, Quasities, Faculties, &c. we ale Terms which fignify no-thing; and all their Propositions are absolutely false in the Sense most Philosophers understand them.

Sents most Philosophers understand them.

There is no Centre in the Senfe commonly meant; and the Terms Weight, Farra, Narra, Quality, and the like, don't awaken any Idea either of a Being, or a Manner of Being; a They are Terms void of Senfe, and which Perfors of Understanding Should always avoid.

### Scientia infenfati inenarrabilia verba-

TERM, in the Arts, or TERM of Arts, is a Word, which, besides the literal and popular Meaning which it has, or may have, in common Language, bears a further and peculiar Meaning in fome Art or Science. See Art.

Ot, a Term is a Word which has one or more Meanings

befide its Grammatical one; or which has a poculiar Force or Import in the Language of fome particular Science, or Art. A Word then becomes a Term, when its idea is render'd

more complex, confilts of more Parts, and includes more spe-cial Circumstances on some Occasions than on others.

cial Craemiliness on fone Oxerifons have on where.
The the spectre Complexent, that Decede of conflicted
The thing spectre Complexent, the Decede of conflicted
The Complexent of the Complexent of the Complexent
Farther, as the Parts of the Idea flightly by any Wood are charred to a so one may not to jud due ye for to their control of the Complexent of

the Preface to this Work. See also the Article Definition of two Terms, in Legic. A Proposition is faid to conflict of two Terms, i.e. two principal and essential Words, the Subject

and the Attribute. See Proposition.

A Syllogism conflits of three Terms, the Major, Minor, and Conclusion. A Syllogism containing four Terms, is vicious. See Syllogism.

TERMS of an Equation, in Algebra, are the feveral Names or Members of which it is composed, and fach as have the fame unknown Letter, but in different Powers and Degrees; for if the fame unknown Letter be found in feveral Members in the fame Degree or Power, they all pass but for one Term.

See Eq. 2.1708.
Thus in this Equation as + ab = R, the three Tersst are  $a_s$ ,  $ab_s$ , and R. And in this, ad + ab + acc mR Ad + dc and R + Acc mR Ad + dc and See EQUATION

ROPORTION. Thus, if d . 8:: d . 12: then d, b, c, d, or d, 8, d, 12; are call'd the f-row; of which a is call'd the first f-row; of which a is call'd the we demonstrated f-row, g: d and c are call'd the two demonstrated f-row f-row consignates. See Annachment and Con-

\*\*SEMENT\*\* Courtes in Medicine, the Menfes or Woman's Tenant, or Courtes in Medicine, the Menfest of Woman's Tenant, and Medicine, the Medicine, the Mennest, in House, or Federal Early, the Ferminstia, or Federal Early Makin, was Conference of Land Makin, was Conference of Land Makin, was Conference of Land Makin or Boundary of Land Makin, was Conference of Land Makin or Boundary Dimental Human affected by the Conference of Land Makin or Boundary Dimental Human Making Conference of Land Amurication Poly, wherein the Commy People affembling together on the Bounda of the Lands, floud offer Seattleton in Human of the Tuelary Godd.

The Terminalis were held on the 7th, or, as Struvius will use it on the 10th of the Calends of March. No Animal The Erminatia were held on the ryth, 6r, as Streedas will have it, on the root of the Calendo of Marrie. No Animal was to be florified herein, it being deem'd unlawful or thin unstable to thin or the Erith-Frame of the State State where the Land-Marks were. Farms in of Opinion this Feath took its Name from the End of the Kate: but Fights is of a different Sentiment of the Erith whole In-

nour it was held. TERMINATION, in Grammar, the ending of a Word;

TERMINATION, in Grammar, the coming of a most, or the lift Syllables thereof.

The she different Terminations of one, and the fame Word, an different Occasions, that make the different Cafes, Numbers, Tenfes and Moods, &c. See Case, Numbers,

TERMINISTS, a Sect or Party among the Calvinits, whole perticular Teness are redacible to Five Points.

2 That there are feveral Perions, both in and out of the Charch, to whom Gold has fixed a certain Terms before their Death, after which he no longer wills their Substantian, how long forere they live afterwards.

2 That Gold has fixed this fixed Term of Grace, by a Kerett Dexes.

2 That Gold has fixed the fixed the section of the secti

Term once elapsed, he makes them no further Offer of Re-pentance or Salvation; but takes away from his Word, all pensaire or solvetton's pur tases away room ins Words, all the Power it might have to conver them. 4°That Phêmath, Saul, Yadar, root of the Yeser, and many of the Gentiles were of this Nomber, 4° That God fill bears with feveral of thele Sort of People, and even confers Benefits on them after the Term expired; but that he does not do it with any Intention they fhould be converted.

All the other Protestants, and particularly the Lutherans, look on these Articles with Abhorrence, as repugnant to the Goodness of God, as destructive to all Christian Virtue, and Goodness of Good, as centractive to an Chittian virtue, sinc as contrary to Scripture, particularly the following Texts; Esch. xviii. 23, 30, 31, 32. xxxiii. 11. 1 Tim. ii. 1, 16. 2. Pet. iii. 9. Alt. xvii. 30, 31. Mat. xi. 23. Ifa. lxv. 2. Heb. iii. 7, 12. Rom. iv. 5, &c.

Terra, in Geography Terra, in Chymistry Terra, in natural History See Earth.

Terra Damesta Terra Lemvia Terra Japonica Terra Sigillata Terra Merita See CAPUT MORTUUM.
LEMNIAM.
JAPON ESTIP.
SIGILLATA.
TURMERIG.

TERRA, a Terra, Galleys, and other Veffels, are faid to Terra, a Terra when they never go far from the Coafts. See

Coartsto.

The Plands is also apply d in the Mannage, no Horfes, which make Carrent not Biotradio, but ran finedally on the Carrent not Biotradio, but ran finedally on the Carrent not be allowed to the Carrent not be compared by the bind Logs, with a flowed long at except and when shed Large not not pread his his Moniton hell loss the gast except and when shed Large not not pread held Logs, with a flore and quick. The Trim is also papely do Denzers who car no Capren The Trim is all supply do Denzers who car no Capren no feares quit the Ground. Hence it is also figuratively not feare quit the Ground. Hence it is also figuratively careping.

recping.

TERRACE, or TERRAS, a Bank of Earth, raifed in Garden, Court, &c. above the Level of the Ground.

The Terras is an Earth-work usually lined and breafted The Zerrs is an Earth-work unusus unce and occurred with a frong Wall, in Compliance with the natural Inequality of the Ground. Sometimes it is made in Talus, or a flope, and cover'd with Turf. A Counter-terrace, is a Zerrace raised over another, for the joining of the Ground, or the raifing a Parterre.

TERRACE is also applied to the Roofs of Houses that are flat, and whereon one may walk; as also to Balconies that

flat, and whereon one may walk; as alfo to Bakonies that project. See Roor.

The Kernere is properly the Covering of a Building, which is in Platform; as that of the Perfityle of the Lestors; or that of the Observatory, paved with Flint and Morsac. All the Buildings of the Oriental Nations, are covered with Kernefft; to take the fresh Air on, and even to lie on. See PLAT-Form.
TERRA-Firms, in Geography, is foretimes used for a

Continent; in Contradiffinction to Islands. See Convi-

Contenting in Controllection to Hunde, See ConstiThan John, I the Indian and Burth America see disabilidilinguilith into Terred-freak and Hunde, See Instant.

The State of Least of Terred-freak and Hunde, See Instant.

John State of Least of Section of Least of the State of Least of Section 1 HYDAGE. - Terra Lucrabilit, Land that may be gain'd from the Sea, or inclosed out of a Wafte or Common, to par-

from the Sa, or incloid out of a Waitle or Comeion, is par-ticular Use. — There Waitshift, ITMING Land. — Term Warding, Pallow Land. — Term Biffeldit, Wood Land, Use, Twan A. createds, is a With discloid to the Elcheson, Ge. willing him to inquite and find out the true yearly Value of any Land, etc. by the Cult of 1 3 Mes, and certify in the Company of the Company of the Company of the Company TERRAGE, TERRAGUM, asciently fignified a Service, in which a Tenna or Valida was bound that Land, to to plough and crap the Ground for him. See Pale Californ

The word, lize the 1 lang, 18 a compounts or 1 erro ear.

Some Philofopbers, particularly Dr. Bornet in his Theory,

Some Philofopbers, particularly Dr. Bornet in his Theory,

tax the Farme and Fathion of the Terropressor Globe as rede,

unstrill and diforderly; and conclude it highly abfured to figure

profet teame thus out or the Handoof the Creator, and there
fure have Recourfe to a Delage to make it thus. See Ds-

But others can perceive a world of Art and Conveniency, even in this apparent Diforder: Mr. Derhem particularly ob-ferves, That the Diffribution of Land and Water is admirable; the one being laid over the other to skilfully all the World over, that there is a just Equipoife or Ballance of the whole Globe.

whole Globe.
Thus the Northern Ocean balances the Southern 1 and the American Continent, is a Countrypole to the European, Afficient and Jistics. See Ocean, 50c.
And what fome object, that the Waters occupy no great Palver of the Golde, which they immigite would be of more plant of the Orbitan, by thewing that this would deprive Land it no obviant, by thewing that this would deprive Land it would be not the Southern Country of Water were deeper; she'the Quantity of Water were the Europe and only the Surface felfer and alrevore, the Europerican and only the Surface felfer and alrevore, the Europerican Waters, were deeper; the the Quantity or water were the same, and only the Surface leffer and narrows, the Evaporations would be for much the left, inafinate as they are made from the Surface, and, confequently, are in proportion thereto. See Vapour, Cloud, Rain, &c. See also Mountain,

See Varour, CLOUD, RAIN, Efe. See allo MOUNTAIN, VALLEY, ÉS, HIND, et d. See yi LD Darth. A Soution in the University of Oxford, purposend on certain Quantum to the University of Oxford, purposend on certain Quantum to the University of Oxford, purposend on certain Quantum the TRRRE-Point, in Forthactors, but 10, pt 16 from, or TRRE-RE-Point, in Forthactors, he 10, pt 16, from, or TRRE-Point, in Forthactors, he 10, pt 16, from, or are placed, and the Defender perform their Glies. See 18 taxanar.

RAMPART.

and OCCUPATION.

Thus a Lord of a Manor hath a Frecholder, who letteth out his Frechold to another to be occupied; And this Oceaner, hiving the adult Polettino, is called the Terro-Tensars, TERRELLA, purpos, little Entite; is a Magnet, turned of a just Teherica Figure, and placed for as trait to Fokes, Equator, Gre. do excelly correspond to those of the World. See Magnets.

See MAGNET. Twas that full dby Gillgert, as being a just Reprefen-tation of the great magnetic Globe we inhabit. See Gronz, Socha 'Torrella, I nicely posted, and placed in a Meridian like a Globe, it was fupported, would be turn'd round like the Earth in 2,4 Hours by the Magnetic Particles pervading it; but Experience has shown this to be a Mittake. See Mag-NETISM.

TERRESTRIAL Globe
TERRESTRIAL Paradife
TERRESTRIAL Lime
See See LINE Terrefrial.

TERRER, or Terra Ann. In our ensistent Cathons, a Calledhor of Actional deplacement of Teams of the Lordfling, constituing the Renn, Service or Calin for demanding and excessing the Psyments thereof, and excessing the Psyments thereof.

Rell, wherein the Feetal Lands, Letther of a private Psychologic of a Town, College, Church, 25. are defertifed. It found attention the Number of Acces, the Scien, Bosondares,

fhould contain the Number of Aces, the Sire, Boundaries, Tennan Names, beth Lodge or Hole which Fores, Redgers, Rabben, 25c. dig themselves under Ground 3 and wherein they fave themselves from the Particle of the Hamers, Hence Terrier is also field for a kind of line: Hound us Hence Terrier is also field for a kind of line: Hound us Hence Terrier is also field for a kind of line: Hound us Hence Terrier is also field for a kind of line: Hound us Hence Terrier is also field for a kind of line: Hound us Hence Terrier is also field for the Hence Hence Ground, and by the Menns stiffights and kires them; a cline tearing them with his Techt, or elife holing, them by Fore cost of their Hound Sires of the Hence for their Hound Sires of the Hence 
TERRIS Banis & Casallis rebabendis polt purgationem, Writ which lies for a Clerk to recover his Lands, Goods or Chattels formerly feiz'd; after having clear'd himfelf of a

A LE N.

Others will have it Meacy paid for digging or breaking the Februs, upon Sulpinion whereoft he sus countils, and delivered by the substance of the subs

bry, but no Territory.

TERSION, the Act of wiping or rabbing a Thing. See ATTRITION

ATTAITON.

The Word comes of term, I wear.

TERTIAN, a fewer or Ague intermitting but one Day;
for that there are two Fiss in three Days. See Faver.

The Method of curing Yertiens, as well as other Agues,
is by the Corres, either given in Subthance or Decochion.

This last is bell in weak Configurious, and where the First are

CALLIFER.
TERUNCTUS, in Antiquity, a very finall Silver Coin, in use among the Romans. See Coin.
The Inconvenience of such very finall Pieces being soon, the Terminist became diffided, but in Name was still retained in reckoning; and thus it became a Money of Accessed.

Sec Money

count. See Money.

The Termities at first, was a Quarter of the As, or Libra:
Hence, as the As contained 11 Quarcs, the Termitial contained Three; whence the Name, which is found of the Latin, respectively.

The Termitial was also a Quarter of the Decarious; so

that when the Denerius was at ten As's, the Termeius was worth Two and a Half, and when the Denarius was rifen to worth I wo and a Halt, and when the Devaring was riften to the Terminary was worth Four. See Dea Nat 1985.

TASSELATED Parameter, Passassentum Telfishatum, a rich Parament of Mofesial Work, made of carious from lifquer Markles, Bricks or Tyles, call'd Telfisle, from the Form of Dee. See Mostar Work.

These Parameters were much asset in the Tents of the

Reman Generals

Roman Generals.
TESSERA-Cosys, in our ancient Writers, the 40 Days
between Eafter and Holy Thurssay. See Leny.
TEST, or Test Oats, in our Customs, a Form of Oats,
whereby the Describe of Tenanfolitantiation, the Sacrifice of
the Mass, the Invocation of Saints, &c. are abjured. See

OATH.

This Oath was first instaled by Authority of Parliament
This Oath was first instaled by Authority of Parliament
by Comparison of Parliament
Parliament
Privilege of biolding any public Offices.

The Word figurine Sprafe of Trial, being formed of the
Latter, 1965. Winness is this Oath being a Mark or
Latter, 1965. Winness is this Oath being a Mark or
Latter, 1965. Winness is this Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath being a Mark or
Latter, 1965. Winness is the Oath Being a Mark or
Latter, 1965. Winness is the Oath Being a Mark or
Latter, 1965. Winness is the Oath Bei

and Silver. See COUPEL:
TEST/ACDUS, in natural Hiftory, an Epithet given to
a Species of Elfh, which are covered with a Hrong, hibck
salt forcibles, Oyther, Peral Plift, &C. See Fishs.
In Gritchnels, however, Telfhereast is only applied to fach
lift, whole ferrong and thick Shelis are interie and of a Piece z
Plift, whole ferrong and their Shelis are interie and of a Piece z
Plift, whole ferrong and their Shelis are interies and of a Piece z
Occupant of the Lobbier, &C. bring called Organizous. See
Contractions of the Court of the C

In Medicine, all Preparations of Shells, and Subitances of the like Kind, are called Topscourt Powders. Such are Powders of Crabs Claws and Eyes, Harts-horn,

Sach are Powdert of Canna Lunwa and Applearing of the Virus of all Tella-rount Medicines to be alther, they foldom for new centre of the Canna Medicines to be alther, that they foldom for new centre of the first Medicines in a which Cafe, they are of great Ufe in all the Canna Can

TESTAMENT, in Law, a folenta and authentic AG, whereby a Perfon declares his Will, as to the Disposal of his Elizace, Effects, burish, de. See Will.

A Toflument has no Effect till after Death; and 'its always recocable till them. As Tofluments are Acts, of all others

revocator tut them. As Yelaments are Acis, of all other the molf fullyleft or Deceits, Supraize, Eg. it was necellary to ufe all kinds of Precautions to prevent the Wills of the De-ceafed from being cluded; and the Weakness of dying Persons from being abused.

from being abuted.

The most ancient Teffameuts among the Remans, were made eine users the Telhator declaring bis Will in the Preferce of Seven Winneffes: a Theef they call? Amoustpature Teffaments; but the Danger of trufting the Will of the Dead to the Memory of the Living, from abolified them; and all Teffaments were ordered to be in Writing. See Nuncura-

The French Legislators, thought Holographic Tellaments, i. s. Tellaments wrote wholly with the Tellator's Hand, an abundant Security; but the Raman Law, more fevere, did soundard occurry pair the Rosan Law, note levels, the nor admit of Tefassent without farther Solemnity. The enfelt and most favourable, is the 21st Law in the Code de Toftamentis, which permits such as are unwilling to trult the Sorret of their Tefassents to others, to write it with

their own Hand, and to close it in the Prefence of Seven their own rhand, and to choice? In the restance of section witnesses, declaring to them, that it is their Testament's after which it is to be Sign'd by all the Seven Witnesses. Otherwise, to make a Solemn Testament, it was required to be attested by Seven Witnesses, and fealed with their

Scala.

Yet the Military Teftament was not fubject to fo many Formalities: The Sokiler was fireposed too much employed in defending the Laws, to be fiblect to the Trouble of knowing them. His tumultuary Profession excused him from obrving all the Rules.

Add, that Telements, wherein Fathers difposed of their Effates smoog their Children, had particular Privileges, and were differed from noft of the ordinary Formalities. The Word is form'd from the Latin, Telementum, which

the Latin Lawyers derive from Testatio Mentis,
TESTATOR, or TESTATRIX, the Person who makes
his or her Will and Testament. See TESTAMENT.

mis of ner will super renament. Occ 1837 ANAVA.

M. Gillet, fleway, that a Perfos incapable of a Legacy, camot demand any Sum, which the Testace in his Testacent declares himfelf indebted to him in; in regard such a Declaration of Debt is prefumed a Fraud, against the lorention of the Law

of the Law.

TESTA NEVELLE, or TESTA de NEVEL, an ancient
Record kept by the King's Remembrancer in the Exchoner;
containing the King's Pees throughout the greateff Part of
England, with Inquilitions of Lands Efcheated, and Serjeanties.

It was denominated from its Compiler, Johan de Nevil, one of the Itineran Juftices under K. Henry III. TESTATUM, in Law, a Witt in perional Actions. If the Defendant caused be arrefled on a Capiza in the County where the Action is laid, but is return'd non of Inventus by the Sheriff; this Writ shall be fent into any other County, where this Person is thought to have wherewithal to fatisfy the Demand

It is call'd Toffarum, because the Sheriff has before tellify'd, that the Defendant was not to be found in his

Balliwic.
TESTE, a Term commonly used in the Close of every Writ, where the Date is contained, which begins with Telfe maiple, if it be an original Writ or if Judicial, Telfe Mathee Hele, Mil. Or Francisco North, Mil. Sc. according to the Court whence it comes.

Court whence it comes.

In fome ancient Formula's, we read Tefte Cuftode Anglie.
TESTES, in Anatomy, two white, foft, oral Bodies
ferving for Generation; ufually call'd, diminutively, Tefficles. Sec TESTICLE.

TESTES, of the Brain, are two little, round, bard Bo-ies, between the third and fourth Ventricle, near the pincal Gland, See BRAIN.

TESTICLE, Toffit, a double Part in an Animal, ferving for the Office of Generation. See Generation. In Man, and most Animals, they are exterior; in some,

as Fowls, interior.

Some have only one, ordinarily they have two, and fome have naturally had three; nay, Anatomiffs affure us they have known four.

have known four.

The The fishers are foft white Bodies, of an oval Figure, and about the Size of a Pidgeon's Egg: They have been thought to be of a glandulous Subhiance, and, according to the prefent Doctrine of Glands, they may be allowed to

to the prefent Doltrine of Glands, they may be allowed to be fo fill. See GLANN.

They are found of a Convolution of divers Kinds of Veffels, particularly the Spermatic Veins and Arteries 4 the latter of which bring the Bland whence the Seed is to be fecceted in the blenders of the Tejbicles; and the former return it back again after the Secretion made. See Seed.

The rest of the Testicle is made up of Seed-Veffels, which, indeed, are but one continud Series or Rope, intricately con-voluted and wound up as it were into a Bottom, but adher ing fo laxly, that they are cafily drawn out into Length, and in Rats shaken from their close Contexture.

These Semioal Vesicles terminate in the Parastata.

The Tofficles, with the Parastate, are faid to be inclosed in three proper Coats; the first the Musculosa, derived from the Crematter Muscle; the second the Elystroides, or Vagrnalis, which is a Continuation of the external Lamina of the

Peritonnum; the third, the Magines. See each under its proper Article, Muscurosa, ELYTHROIDES, US. The common Capfula or Membrane including both Telicles, is the Scretam; which fee describ'd under the Article SCROTUM For the Use of the Testicles, in preparing and secreting the

Seed : See SEE

Sted 3 & St. St. M. 1976 pl. 19. Dimination, of Tofter, Wir-They are call. Toftenew of allies, "They are what we properly call Ganiters, Genetalia, The Greeke tiles Didging of Twins. See Dravist. TESTIMONIAL, a kind of Certificats, figged either TESTIMONIAL, a kind of Certificats, figged either than the seed of the Certificats, figged either than the control of the Certification of the Certification of the Certification of the Viruses, Uniformity, and Learning of the Perisa. See CERTIFICATI

Such a Tellimonial is always requir'd before Holy Orders are conferr'd; and the Bifhop even ordinarily demands one of a Prieft before he admits him to a Benefice. See On pr-NATION, SC. TESTIMONIAL is also a Certificate under the Hand of a

Justice of Peace, testifying the Piace and Time when and where a Soldier landed, and the Place of his Dwelling, &c.

whither he is to pass.

TESTIMONY. See EVIDENCE and WITNESS.

For the Credibility of Imman Testimony; See CREDI-

TESTUDO, in Natural History. See Tortoise.

Testudo, in Antiquity, was particularly used among the Poets, 256, for the ancient Lyre; by Reafton it was originally made, by its inventor Abstracty, of the Back or hollow Shell of a Tofludo Aputation, or Sea Tortoift, which he accidentally found on the Banks of the River Nile. See

Lyrs.
Dr. Molyneux has an express Discourse, in the Philoso-Dr. Molymeux has an express Difcourse, in the Photop-phical Transplations, to flow that the Tortoric-field was the Bafis of the ancient Lyre, and that the whole Infrument had thence the Denomination Tofudos; which Account lets fome Light into an obscure Passage in Horace, Ode 3, lib. 4. mistaken by all the Commentators.

O Teffudinis Aurea

Dulcem que strepisum, Pieri, temperas ; O Mutis quoque piscibus, Denatura Cogni, si libeat, senum.

TEATUDO, Tortoife, in the military Art of the Ancients, was a Kind of Cover or Serven which the Soldiers, e.g., a whole Company, made themfelves of their Bucklers, by helding them up over their Heads, and standing close to each other.

This Expedient ferv'd to fhelter them from Darts, Stones,

I am Expectent terv at to metter defin than 2000, Schools, Sch. shrown upon them; effectally shold thrown from above when they went to the Affault.

TEXTUDO WAS ABIG A kind of large Wooden Tower which mov'd on feveral Wheels, and was coverd with Ballost with Hides newly Read; ferving to fielter the Soldlers when they approach d the Walls to mine them, or to batter them with Kams.

They were call'd Torteifes from the Strength of their Roof, which cover'd the Workmen as the Shell does the

Terrino, in Medicine, a foft broad Tumour, or gathering of impure Humours between the Scull and the Skin, call'd alfo Taipa, as refembling the Form of a Tortoise or a

Mole. See TALPA. Mole. See Talpa.

They may Delifermis quadrobilis, a Hemispherical Vault, or Cailing of a Church, Ele. wherein four Windows are so contrived, as that the relie of the Vault is quadrable, or may be squared. See Vaulty, Quantaruna, Ele.

The determining of the Windows, was Problem propored to the great Mathematicians of Europe, particularly

TETANOS, in Medicine, a Term partly Greek, and fignifying a kind of Tone Spatinus, or Convalidon, wherein the fore and hind Mindless of the Head are render'd rigid and inflexible 3 to that it can neither bend one Way nor 'cother'. See Conversions.

rather. See Conversion.

The Word is form'd from the Greek, vious, to thretch,
Some Authors also use Testants, or Testants in a more general Sende. When a Convultion is sovereful, they denominate is Tensarts which they the drivide into Energiphocoust and Optifications. See Empropriations and Enterproperty.

NOS.
TETRACHORD, in the ancient Music, a Concord confiling of three Degrees, Tones, or Intervals, or four Sounds or Terms; call of also by the Ancients sharrisages, and by the Moderns a Fourth. See Fourth.
This Interval had the Name Tetracherd given it with respect to the Lyra, and its Chords or Strings. See Chronn

See also DIATESSARON.

Ancient Authors make frequent Mention of the Synaphe, Ancient Authors make frequent Mentjon of the Synaphe, or Conjunction 3 and Diefens, or Disjunction of Teachers, the state of the concern chartes. To conceive their Meaning, it must be obtered, that two Terrestorist were failed to be join'd, when the fame Chord was the highest of the first, or lowest instrument, and the lowest of the second; as was the Case in the two Terrachords that compose the ascient Heptachord or Seventh. \*\*Zerradowst that compote the ancient Hepsachard or Seventh, But when two Vietnichorsh had no common Chord, but, on the contrary, had each their different ones to begin and end withal, for that between the two there were real intervals of a Tone, then the \*\*Zerradowst\*\* were failed to be disjoind 2; which was the Cafe in the two Vietnichorsh that compole the Olischard or Ottave. See Ocrava.

The Word is formed of the Greek, orrige, four times, and

χορία, a Chord or String.
TETRACTYS, in the ancient Geometry. The Pytha-goric Tetractys is a Point, a Line, a Surface, and a

TETRADIAPASON, a Quadruple Diapason; a Musical Chord, otherwise call'd a quadruple eight or nine and twentieth. See Diapason.

tieth. See Diapason.
TETRADITES, in Antiquity, a Name given to feveral
different Sects of Hereticks, out of fome particular Refpect
they bore to the Number force, rayge,
The Sabbathians were called Tetradites, from their falting on Eafter-Day, as on the fourth Day, or Wednefday. See

SABBATHIAN-

Sanaturans.

The Maindeen, and others, who admines a Quasernity The Maindeen, and others, who admines a Construction of the Construction of the Construction of these, were able call'd Ternations. See Management The Followers of Ternary Bulletin See the Lanc Appellation of Ternations, by Reafine of the Addition they made to the Prifigings, no commence as Error they held, that in the Prifigings, no commence are Bornet by held, that in the Colleden, the San that saferid's but the whole Delive, See Tanasieus,
The Anciens alig gave have four Ternations to Children born under the fourth Money and their they believed une

happy.
The Word is form'd from the Greek, rielages or riesages,

TETRAEDRON, TETRAHERRON, in Geometry, one of the five regular or Platonic Bodies, or Solids; comprehended under four equilateral and equal Triangles. Sec SOLID.

The Terrestree may be conceiv'd as a triangular Pyramid of four equal Faces. See Pyramum. Such is that represented (Tab. Geometry, Fig. 59.) See

RECULAR Body.
"I's demonstrated by Mathematicians, that the Square of Tis demonitrated by Mathematicians, that the Squate of the Side of a Verreceive, is to the Squate of the Diameter of a Sphere wherein it may be individed, in a tubic fiquialteral Ratio: Whence it follows, that the Side of a Verreceive is to the Diameter of a Sphere it is infiribled in, as 1/2 to the

to the Diameter of a opacete it is inkind in, as /2 to the /2, coofequently they are incommenduable.

TETRAGON, in Geometry, a Quadrangle; or a Figure with four Angles. See Quananates.

Thus a Square, Parallelogram, Rhombus, Trapezium, are Terregonal Figures, See Square, Esc.

The Word is found from the Greek, ringes, four, and

your, Angle.

page, angle.

Terracon, in Aftrology, &c. an Affect of two Planets
with Regard to the Earth, when they are diffunct from each
other a fourth Part of a Circle, or poo's as AD Tha Aftronomy, Pig. 3.

The Zerregus is express'd by the Character, 

See

ASPECT.
TETRAGONIAS, a Name given to a Comet, whose lead is of a Quadrangular Figure, and its Tail to Train long, thick, and ominum; not much different from the Meteor call 4 Trains. See Compart and Trains.
TETRAGONISM, a Term some Authors wile to express the Quadrature of the Circle. See Quadratures.

TETRAGONUS, in Anatomy, a Mufele, call'd alfo TETRAGUNUS, in ARROW, a Maide, called and Substrates Gene. See Quarkary Sees. See Quarkary Sees. See Quarkary Sees of God, because consisting of four Letters in most Languages. See Gon.
TETRAMETER, in the ancient Poetry, an Iambic Verse

confifting of eight Feet. See lamere.

We meet with nome of these but in the Comic Poets, as Terence The Word is form'd from the Greek, wires, tour, and

The Word is formed from the Overs, Threes, tous, and pulso, Mediagre, q. d. four Mediagres.
TETRAPASTUS, in Mechanicks, a Machine wherein are four Pulies. See Putt.,
The Word is form'd from the Greek, Threesers. See

TETRAPETALOUS, in Botany, so Epithet given to Flowers that consist of four Pessis, or Leaves, plac'd around the Pistil. See Petala. Thefe, M. Juffeu calls Polyperalous Flowers, See Pory-

PETALOUS. Mr. Ray, who calls them Tretapetalous, makes them con-flitte a diffinet Kind, which he divides into

thints a diffind Kind, which be fivides into 19. Such as have an unitum Tirreptation Flower, and their Seed Verifica a little oblogatili, which he therefore calls Oligangly as the Kerier of Leacoust Latents, and the other common Lescoism, the Denaria, the Leacoust Siliqui-tum, Alydio, Volet Lannis, Provoysia, Hefpris, Alie-ria, Rapa, Napae, Sinapie, Hapititum, Ersea Speris, Eri-muna, Cardonius, Territi, Floidica Soliquoi, and the James, Cardonius, Territi, Piolidic Soliquoi, and the 2-. Such as have their Seed Cafe or Velifi Borrer, which harmone, for Political Seed. Seed Legislation, and Qui-tumores, for Politicalisms and Quit-tumores, for Politicalisms and Quit-

2º. Such as nave their seed care to vere mores, associationer, for Diffinction Sake, he calls Capfulate, and Siliculation of the Myagrum, Draha, Leucoium Siliqua fibrotunda, Cochlearia, Natturtium, Lepidium vulgare, Thiafpi,

emble; as the Myagrum, Draha, Lewcoinn Siliqua fiberonda, Cachlearin, Kulturinni, Leptichian valgaer, Thaipi, and Cacharden and

logredients

logredience, TETRAPLA, in Church Hiltory, a Bible diffuoid by TETRAPLA, in Church Hiltory, a Bible diffuoid by Origin under finer Columns, in each whereof was a different force Verfine, och, what of Johnshambers, and the Columns of States of States concluded the Tetraphics with the Hardy lay but the Vertipalis as different Work, compared the the Herdyla, in Favour of fact as could not have the Hung-fla. See Hardyla. See Hardyla.

Post. OCCREANALA.

Some Authors are of Opinion, that the Order wherein the four Versions of the Terrophs were rangly, was different from that wherein we have rehears'd them; and particularly that the Septuagist was in the first Column: But S. Epithat the Septengier was in the first Column; But S. Lega-photonia flay expectify to the contrary, and places it in the third, He even given us Origin's Reason for putting it there; which was, flay the, that the bed Verfolm might be in the Middle, that the others might be the more easily confinented therewith, and corrected from it. \*\*Barwinst, however, in his Annals for the Year 231, takes

the Septuagint to have been in the third Place in the Hexa-pla, but the first in the Tetrapla; yet Epiphanius gives it

the fame Place in both.

The Word is form'd from the Greek rargarasis, quadrustees, four old.

TETT APPOOTE. TETTAPPOOTS, in Grammar, fach

TETRAPTOTE, TETRAPTOTON, in Grammar, fuch defective Nones as have only four Cafes; as Phos, which wants the Dative and Vocative fingular. See Case, Ap-

TETRASTICH, a Stanza, Epigram, or Poem, confift-

TETRASTICH, a Stanza, Epigram, or Poem, confid-ing of four Verfex. See District.

TETRASTYLE, in the ancient A chitecture, a Baild-ing, and particularly a Temple, with four Columns both before and behind, i. s. in Front and Rear. See Test-

TETRASYLLABICAL, a Word confifting of four Syl-

lables. See Word and SYLLABLE.
TEUTONIC, fomething belonging to the Tentones, an ancient People of Germany, inhabiting chiefly along the

Coalis of the German Ocean.

The Truronic Language is the ancient Language of Germany, the fame with the Celtre. See Language, Celtre,

the English, Stats, Frislan, and those on the North of the To the Lower belong the Low Dutch, Flemife, &c. spoke thro' the Netherlands, the more Southerly Parts of Germa-

ny, &c. Teuronia TEUTONIC Order, a Military - Religious Order of Knights, effablished towards the Close of the XIIth Cen-

tury; and thus call'd, because confishing principally of Ger-See KNIGHT and ORDER.

mmms. See Knight and Order was thus: The Christians under Griy of Lossing, Used this Order was thus: The Christians under Griy of Lossing, laying Siege to Aca, or Arra, ac City of Syria, on the Borders of the Holy Land; a through Siege were prefers, Richard King of England, Philip Alienged of Transen and Lubber, Order and Comment of Commen ouch'd with Compassion for the Sick and Wounded of the Army, who wanted common Necessaries, set on Foot a kind of Hospital under a Tent, which they made of a Ship's Sail; and here betook themselves to a charitable Attendance

of the Sick.

This farred a Thought of elithilities a shird Military
Order, is lumation of the Temphar and the Holpitullers.

The Delicon supposed by the Earthart of 'gredification'
the Architecture and Billity of the neighborring Hazer,
the Architecture and Billity of the neighborring Hazer,
the Architecture and Billity of the Register of the
the Architecture and the Architecture and the
Holpital and the Garman Lords and Perlanet time in the
Holpital and the Carman Lords and Perlanet time in the
Holpital and the summer Confess, Prodring, Dake
of Bulletin, Wess with max time? Hazer free Embaldificate
to his Brocket, Henry, Kleg of the Ressent, to olicit the
Parlamental 1988 when sovered the Charther, Brandel III.

a ope to continue the new Order.

\*\*Delizeral III. who then govern'd the Church, granted it by a Ball of the 23 of Folizary, 1192; and the new Order was call?

\*\*A The Point of Teutonic Knights of the House of St. Mary of Jerufalem.

The Power oranged them.

of St. Mary of Jerufalem.

The Pope greated them all the Reivileges of the TemThe Pope greated them all the Reivileges of the TemThe Pope greated them all the Reivileges of the Temwere to be fabrical to the Patriarch, and other Prefuser, and
that they flood lety a Temfo the what they political,
The first Mailer of the Oxfer, Itany Patrice, elcolor
and the Pope of the Pope of the Reivileges of the Re Priest of this Order.

Jacques de Virry differs a little herefrom; and relates, that the Teutonic Order was establish'd at Jerusalem before

that the L'estonic Order was established as Jerufalesin below the City of J. &w was belog 21. Thele two Opinions Hartison, in his Notes on Dusbows, recookles, by Joyng, that the Order was first instituted by a private Person, a German, as Terufalesin; shart it was com-simily by the Pope, the Emperor, and the Princes as the Siege of Asic; and that after the taking that City; it was become for conflictable, that it was known all over the World.

Weeld.

If it be much hir is was a private Perfon who first for the private pr

weak. 

De Salva accepted the Donation; and Grozovy IX. confirmed it; and to aid the Knights in reducing the Prefigure, flamouser IV, published a Crofission.

De Salva is a Xear's line, they finded the Province of Worning, Nature order, and Barrins; the Inhabitants whereof renounc'd the Worship of Idols; and in the Course

The Word is form'd from Tranges, four, and ready, Co- of fifty Years more, they reduc'd all Pruffes, Livonia, Samegitia, Pomerania, Sec. in 1204, Duke Albert had founded the Order of Swordbearers, Part-Glarers, which how became united to the Ten-ronic Knights, and the Union approv'd by Pope Gregory IX.

See PORT-GLAIT Waldemay III. King of Denmark, fold the Order the Province of Elein, the Cities of Nerus and Woffenberg, and fome other Provinces.

one other frowing.

A new Union fome time afterwards occasion'd great Divifious and Trupbles in the Order: It was with the Bifings
and Canons of Pruffis and Livensis; who hereupon took the
Habit of the Yeucout Order; and flured the Sovereignry
with the Koights, in their respective Diocese.

The Order, thus Matter of all Pruffish built the Cities of

The Order, thus matter of an 12-14/16/16, but the Cities of Plling, Marineburg, Them, Daurine, Kaningsberg, and fome others: The Emperor Frederic II. permitted them to add to the Arms of the Order, the Imperial Engle; and S. Louis, in 1250, allow'd them to Quarter the Flower-devices. Luce.

After the City Aca, or Acra, had been recover'd by the Infidels, the Grand Mafter of the Tettonic Order remov'd his Scat from that City to Marienbourg. As the Order grew his best from that cuty to mattennous. As the crose grew in Power, the Knights took more State on them; and, at length, inflead of Friers, Brothers, as at first, would be call'd Lorst, And tho' the Grand Maiter Grown's Polares, of Resundieue, opposed this Imovation, his Seccessive Carrier Westlered not only approved it, but even procured himself to be treated with Homours only rendered to the greatest Princes

Princes, and the prince has a prince has a prince has a prince has been princed by the prince has a prince ha

they ftill retain they fill reals.

They there delect Myslor of Crossberg their Grand Ma-They there declet a Myslor of Crossberg their Grand Ma-file of the Myslor of the Myslor of the Myslor of the hims on tells not the English. Myslor of the Myslor hims on tells not the English of the Myslor of the Myslor should be the Myslor of the Myslor of the Myslor of the Grand Mafiler and In Knights.

West the Grand Mafiler and in Knights.

West the Grand Mafiler, who in folded at Microslowners, under

were the Grand Master, who resided at Marienbourg; under him were the Grand Commander; the Grand Marshal, who him were the Grand Cammander; the terman Alasyman, was had his Reddence at Kamingdowg; the Grand Ediplitation, who eridded at Elbing; the Drapher, who took Care to furnish the Habits, the Trenform, who lived at the Court of the Grand Mailter; and leveral Cammanders, as those of the Grand Mailter; and leveral Cammanders, as those of The Care International Continuous Conference of the Care 
Percettles; acrosses; savesses; be had a Commander of conference of the stands for, be had a Commander of Chies, 4s of Cailles, 5! Holpitalten, 5 Mailtee of Conses, 4s Steadad, 5; Provediore, 9; Mailtee of Mills, 9so bother of Knights to take the Field, 4s) Bothers of the TEXT, a critical Ferm, correct additional field of Commentary, 1 fignifies an original Difcourfe, exclusive of any or the terrecurstance.

mentary. It fignifies an original Difcourfe, exclusive of any Note, or Interpretation. Infinite Pains have been taken by the Criticks to reflore, reconcile, fettle, explain, 5%, the Text of the Bible, and the Classificks.

nne vasmiren,
Mr. Whighen accounts for all those Misurderstandings between the New and Old Testament, particularly as to the
Propheties in the Old, cited as stabilit die the New, to the
Corruption of the Text of the Old Testament; and to obviate Objections made against Christianity on that Head,
bus publish dian Effort proceeds reflering the true Text of the
Old Testament, occ.

This Reftoration be is to effect from the Samaritan Pen-This Retionation be is to effect from the Summerium Pen-tateuch, the Romens Palarte, the Anotholical Conflictions, &c. But all our Criticles take this Corruption of the Text to be imaginary, and look out for other Ways of folving those Difficulties. See Pageruzzy.

TEXT, is particularly need for a certain Passage chose by a Preacher to be the Subject of his Semion.

Anciently, the Lawyers began all their Pleadings with like

Ancestry, the Lawyest expension of Peers of Scripture.

A Text-book, in feveral Universities, is a Classic Author wrote very wide, by the Students, to give Room for an Interpretation dichated by the Matter or Regent, to be inserted in

In this Senie, the French fay, proverbially, Glofe & Orleans plus obscure que le Te The Speniards give the Name Text to a kind of little Poem The operators give to state a text of a find a find of a Google or Set of Verfee, placed at the Head of a Google, and making the Subject thereof; each Verfe being explain d, one after another in the Course of the Gloss. See Gross.

In ancient Authors, Text is appropriated to the New Tella-ment, by way of Eminence: it was written in gold Letters, and carefully preferved in the Churches,

Codex aurato conseptus Grammate, Scriptus -Auchus Evangelicum conservat corpere Textum.

TEXTUARIES, TEXTUARII, a Name given the Sect of Caraitra, among the fiver. Sec Caraitra.

Hittle flower among the Traditionaties; and Schammai among the Textuaries. Sec Taraitronary.

The Civil and Came Lawyers, functions allocall a Book

containing the bare Text, without any Gloß or Come

a Textuery.

a Yestury,

TEXTUR Roffingli, is an ancient Manuferire, containing
the Laws of Disablert, Flathere, Eathre and Withrest Kings
of Kenr, collected by Earthyl, the venerable Bildhop of
Rackeler, about the Year 266. See Law.

TEXTURE, TEXTURA, properly denotes the Arsungement and Cobelino of feveral flender Bodies or Threads,

the Window of the Window of the See Ar-

sungement and Cohefion of feveral flender Bodjes or 'Intreass, interwove, or intangled among each other; as in the Webs of Spiders, or in Cloths, Stuffs, &c. See Was and Warving.

The Word is Latin, form'd of Tées, I weave.

The Word is alfo u'ed not only of Threads, but for any Union or Cohefion of the confiftuent Particles of a concrete

Union or Cobeños of the conflicuer Particles of a concrete Body a whether by swiring, booking, kniling, ying, chaining infeating, increasing, correct reny, the Containon, Particles, Borre, Ore. Lower Party, Borre, Containo, Particles, Borre, Cre. Lower, Containon, Particles, Borre, Cort. Lower, Containon, Containon, Carlo Containon, Company, Company, Containon, 
ancient Huffres. See Hussiys.
The Huffres, towards the Close of the XVth Cent

viding into feveral Parties; one of themretired to a little Mounstang mo levest prices does or memerated as ances some-tain or Rock, futuate in Behavita, 15 Leagues from Prague, and there put themselves under the Conduct of Zifa: Baild-ing themselves a Fore or Castle, which they call of Thebry either from the general Word Thebry, which in the Schemuse Language fignifies Caffle; or from the Moantain Thebry, men-tion of m Scripture: And hence they became denominated

Thaborites. These carried the Point of the Reformation further than

Hus has done; rejected Purgatory, Auricular Contestion, the Unction at Baptism, Transabstantiation, &c.
They reduced the Seven Sacraments of the Romanists to Four, They reduced the Seven Sesements of the Remnsills to Four, etc. Buptilin, the Eucharlin, Marriage and Ordination. They maintained a facet War with the Emperor Significant. They maintained as four War with the Emperor Significant them. Nor did this faceted. At 1 weight, however, in 1544-their Califor of Todor was taken, and they disperded. THALAM Morroum Options, in Association, two obloog Fromizences, of the litted Ventricles of the Paring Medallay without, but a little Contribution within. See

Brain.
They are thus call'd, because the Optic Nerves rise out of

them. See Optic.
THANE or THAIN, THANUS, the Name of an ancient Dignity among the English, or Anglo-Saxons. See

Nosility.

Steme makes Thous to be a Dignity equal with that of the Son of an Earl; Combiden will have it, that Thouses were only dignifyd by fome Offices which they bore.

There were two Kinds or Orders of Thouses: The King's

There were two Kinds or Orders of Themes: The King's Thesess, and the Ordinary Themes.

The Fifth were those who attended our Longlip-Savon Kings in their Coarts; and who bold Lands immediately of the Kings whence, in Descripting-Biok, they are promissionally all Them and Serveneurs Rays.

Soon after the Conquell, the Name was disfield, and in-fined thereof they were called the King's Barons, Barons and Coarts and

See BAROL

Regit. See Baron.

As to Dignity, they rook Place next after Knights.

Their Origin is referred to King Constant, who, taking
the chief of the Danip Noblity, to the Number of 3000,
for his Guard; and arming them with Battle Axes and Sabres
with gill Handles, call'd them Thing-dist, from the Two
Danip Words Thing or Them or Taim, Body of Nobility,

Joseph Words I sering of I Learn Annual Park and Lith, Octer of Battel.

The ordinary Thomes or Thomis Minores, were the Lords of Manors, who had particular Jurifdiction within their Limits, and over their own Tenants. See Lord and MANOR.

These, too, changed their Name for that of Barons; and ace their Courts are call'd Courts Baron, to this Day. See

COURT and BARON.

In old Authors, Charters, &v. we meet with Thome, as fignifying a Nebleman; fometimes, a Freeman, and fometimes a

Megirrate.
THANE Londs, were Lands granted by Charter of the
Sason Kings to their Thanes.
THAUMATURGUS, q.d. Worker of Miracles; an Appellarion which the Romanifes give to several of their Saines.

See SAINT.

See SAINY.

St. Gregory Theunisways, or Gregory of Neccessares, was a Diciple of Origon, about the Year 223; and afterwards Bishop of Cessons in Postures 4 and in that Capacity affiled at the First Council of Antioch, and at that of Ephelius

at the Hirt Council of Anticole, and at that of Eploying against Paulin Summistania.

St. Leo of Catames, is also stallly call'd S. Leo Thomasur-your. He lived in the Wilth Century, and the Body is fill benous? As a constant of the America As Torr. St. Francis Pend, and St. Francis Koisier, are the great Thomasuring of their kind, See Min accu.
The Word is found from the Crock, Saugas, considerful.

ing, and lopes, mark. THAWING, the Refolution of Ice into its former fluid

State, by the Watmth of the Air, &c. See Ica ; fee also THEANDRIC, a Term figurifying Divine and Human noter one; or God-Man; form'd from 24th, God, and arise

Man.

S. Dissygne Billion of distant first used the Word Thems.

S. Dissygne Billion of distant first used the Word Thems.

S. Dissygne Billion of the Word Thems.

It is a word with the color hand of the Word Thems.

It is a word shed in the first the word shed with the words shed in the first word in Table 10-11 in whom they believed there was a distant in Table 10-11 in whom they believed there was a distant in Table 10-11 in whom they believed there was a distant which was a Companion of the one and the other, which Corations follow'the Efficient and Qualities of the Misseurs, and were neither divide and beamen jour but both of the Misseurs, and were neither divide and beamen jour but both of the Misseurs, and were neither divide and beamen jour but both of the Misseurs, and were neither divide and beamen journels. Man at once, or, in one Word, Theandric. See OPERATION and

MONOTHELIT The Term Theandrie, and the Dogma of Theandrie Ope-tions were examined with great Care and Attention, at the Council of the Laterous, held in 6493 where Pope Martin folidly refuted the Notion of Thesastic Operations, and shew'd, That the Sense wherein S. Discopsius first afed the Word, was Catholic, and quite remote from that of the Mon-

THEANTHROPOS, a Term fometimes add in the Schools, to fignify the Person of Jesus Christ, who is really Themshiropus, i. e. God-Man, from the Greek, 3sis, Deus, and

I homologie, i.e. God-Man, from the Greek, Jaja, Dues, and esphere's, Pinne, Man.
THEATER or THEATER, THEATERM, among the Anciensa, Public Edifice, for the exhibiting of Specificies or Shews to the Prople. See SyreTacle.
Under the Word Theater was comprehended, not only the Emissics whereon the Actors appear d, and the Althon pair'd, a bas 18th the World Area, or Exercit of the Place, common to

the Actors and Spectators.

In this Senfe, the Theater was a Building encompass'd with Portico's, and furnished with Seats of Stone, disposed in a Portico's, and lumilified with Seats or stone, dispotes in a Semi-circle, and afcerding by degrees over one another; which encompated a Space, call'd the Ordelpta, in the Foundation whereof, was the Professions, or Pulpitum, whereon the Allens performed, and which is what we properly call the Tolletter of Signe. See Chemistry and Processions, whereon the Charlestone food the Strate, a large Front, aborted to the Charlestone food the Strate, a large Front, aborted to the Charlestone food the Strate, a large Front, aborted to the Charlestone food the Strate, a large Front, aborted to the Charlestone food the Strate, a large Front, aborted to the Charlestone food the Strate, a large Front, aborted to the Charlestone food the Strate, a large Front, aborted to the Charlestone food the Strate, a large Front, aborted to the Charlestone food the Strate, a large Front, aborted to the Charlestone food the Strate, a large Front, aborted to the Charlestone food the Strate, a large Front, aborted to the Charlestone food the Strate, a large Front, aborted to the Charlestone food the Strate, a large Front, aborted to the Charlestone food the Strate, a large Front, aborted to the Charlestone food the Strate, a large Front, aborted to the Charlestone food the Strate food the Strate food the Strate the Charlestone food the Strate food the Strate food the Strate the Charlestone food the Strate food the

sitm, or Place where the Actors made themfelves ready, re-tired, &c. So that the Scens, in its full Extent, compre-hended all the Part belonging to the Actors. See Scena,

Bender at the law consequence.

Forevexitum, 152.

In the Greek Theotesters, the Orcheltra made a Part of the Scopa; but in the Roman Theotesters, none of the Achora ever defeended into the Orcheltra; which was taken up by the

Seats of the Senators. Scats of the Senators.

The moft eclebrated Theaster's remaining of Antiquity, are the Theaster of Moracillus, and that of Panagery, which are also called Amphibianters. See AMBERTHEATER, which was a feeling the Ambert, are full focus, the Renains of the Temple of Sacobut, which was the first Theater in the World, and a Malter-piece in Architecture. All Theaters were confectated

to Venus and Bacchus.
The Word is form'd from the Greek, Sharper, Spechacle,

The Word is foured from the Great, Sterpe, Spechkets, Sterp, of Steams, Fields, Seides, Jie in the Steep, or Place Sterne of Steams, Fields, Seides, Jie in the Steep, or Place wheren the Denm, or Fley is calabled a Steam of the Ancients. See Danake Theoret releases the In its full Latitude, however, the "Rotton Remot In the full Latitude, however, the "Rotton Remot Hall part where of it staken up by the Serne, which con-prehends the Steep, the Decorations and the Machines; and the red distributed is not a Space, call of the '97', or 'Parterne,'

[ Bee ]

which is cover'd with Seats, Boxes, &c. and terminated with an Elevation of one, or two Galleries, difposed into Benches afcending over one another. See STAGE; fee alfo COMEDY, TRACEDY, ESC.

THEATER is also used in Architecture, chiefly among the Italiani, for an Assemblage of General Buildings, which, by a happy Disposition and Elevation, represents an agreeable Scene to the Eye,

Some to the Eye.

Some is no moit of the Vineyards az Rasser 5 but partieularly that of Monet Eurogean, az Frejézsi 5 and in France,
Austonomid Thurstras, in a School of Modicine of Chirangere, is a Hall, with feweral Rows of Sens, difjords in the Sweep of an Amphitheners, buring a Table, buring on a Pirot, in the middle for the Diffichion of Rodies.

Soch is the Austonomical Thearter of the Royal Garden of

Plants at Paris, &c.
The Theater at Oxford is a beautiful Building, erected by The 2 heater at Oxford's is househal Building created by Archiblings bridding, for the US of Scholstic Execution. THEATINS, a Religious Oxford Regular Pretits plus all'a from Don 19th Departs Georgiff, Archiblingo Chieff, in the Kingdom of Noshes, which was anciently call'd Theates. The lame Archiblingo was afterwards Dop, by the Name of Patal IV, after having been a Companion of Gatesa, 2 Numbrial Geotelman, the first Founder of this Order, at

Vantina Gentleman, the first Founder of this Order, at Romain 1524.

The Thestins were the first that attum'd the Title of Re-guiter Clerk. They have not only no Lands or fix'd Reve-nues either in common or in particular; but they don't even ask or beg any thing, but wait for what Providence shall fend them for their Subsiliance.

They employ themselves much in Foreign Missions; in 1627 enter'd upon Mingrella, where they have an Esta-blishment: They have had the like in Xartary, Circaffa, and Goorgia, which they have fince abandon'd, by Reason of the little Pruit they perceiv'd thereof.

the little Fruit they perceived thereot.

Their first Congregation appeard at Rome in 1524, and
was confirmed the Jame Year by Clement VII. Their Confittuitions were drawn up at a General Chapter in 1604, and
approved by Clement VIII. They went Priefls Habit.

THEATINES, are Congregations of Nuns, under the
Direction of the Theatins.

Direction of the Theatins.
There are two Kinds of Theatings, under the Title of Sifters of the immaculate Conception, who form two different Congregations, the one engaged by follow Towns, and the other only by fimple Yows. Their common Foundress was Telested 1999, by fimple Yows.

other only by fimple Yows. Their common Foundriss was Urfula Besimands.

Those who make the simple Yows, are the most ancient; and are called dimply I beatingt of the Congregation: They had their Rife at Naples in 1583.

The others are called Theotims of the Hermitage: The whole Business of their is Praying in Retirement; and an

auftere Solitude, to which they engage themselves by folemn

Vow: The Thatines of the first Congregation take Care of the Temporal Concerns of their lake. Their Medica first interpretation of their lake. Their Medica first interpretation of their lake of their Possibility of their lake of their Hospital of their Possibility of their Direction of the Thomas of their Hospital of their Possibility of their Possibility of their Direction of their Possibility of their Number of their Possibility of their Number of their Possibility of their Number of 
THEBAID, THEBAID, a famous heroic Poem of Statists, the Subject whereof is the Civil War of Theses between the two Brothers Ecocles and Polymers; or Thebes taken by Theffeus. See Hangie and Pons.

Y Bejon. See HERDIC and FORM.
Statists was ravive Years in composing his Thebaid, which
confilts of XII Books: He wrote under Domitian.
He is centured by the best Criticks, as Boyls, Ec. for a
victions Multiplication of Falles and Actions, for too much
Heat and Extravagance, and for going beyond the Bounds of
mathematical and the second of the second

Probability. See Fasta and Facsasility.

Several Greek Poets had composed Technical before him 5
the principal were, Antagoras, Antiphanes of Colophon, Mandeas the Agreen, and an anonymous Author mention d by

Paulanias, lib, i

Paulanas, In p. 2.

Ariffelde, prating Hemer for the Simplicity of his Fable, oppose to blin the Ignorance of certain Poets, who imagind that the Unity of Fable or Action was shundarnly provided for by the Unity of the Hero, and who compard The field. Herostatis, Sec. in each whereof they collected every thing that had ever happen'd to their priocipal Person. See Fass.a.

THEFT, Larceny, Firstum, in Law, a felonious taking away another Man's moveable and personal Goods, against the Owner's Will, with an Intent to steal them. See

It is divided into Thefr or Lareny, properly 60 call'd, and penis Thefr or Lareny; the former whereof is of Goods above the Value of 124 and is deem'd Felony: The other, which is of Goods under that Value, is not Felony. See

FRIONY.

Theft from the Perfon, or in Prefence of the Owner, is

Their from the Perfice, or in Perforce of the Owner, in properly call & Modern, See Rossanser, THEE ONLOW, TELESKING, or Proceedings and generate the TRALONG ISS. With high for the Californees of a Gity, or TRALONG, is a Writing for the Californees of a Gity, or TRALONG, is a Writing for the Californees of a Gity, or TRALONG, is a Writing for the Californee of a Gity, or Market, who would contain the Officers of a Ryll Common for the Gith General or Perforagions.

Market, who would contain them they be pit, generating the Gibbs. Thanks, a Sobject or Topic, to write or competitions of the Californees or Perforagions.

pose on.

Theme, among Aftrologers, is the Figure they confluct when they draw the Horofoge: It reprefents the State of the Heavens for a certain Point or Moment required, i. e. the Places of the Stars and Planets for that Moment, See Ho-ROSCOPE

It confilts of t2 Triangles, included within two Squares, and call'd the Twodese Haufes.

THENAR, in Anatomy, a Muscle, call'd also Absultor

Politici Marin. See Appureron.
THNETOPSYCHITES, a See In the ancient Church,
Who believ'd the Soal of Man perfectly like that of Brutes 3
and taught that it dy'd with the Body. See Sour.
We meet with no Account of their Hereticks any where,

We meet with no Account of these Hereticks any where, but in \$7. Damssfeauts, Here's 90, unless they be the tame with those Englobust speaks of, Hist. Ecclef. Ilb, ix. c. 28, who relates, that in Origen's Time, there were Hereticks in Arie-bia, who taught that the Soul of Man dy'd with the Body but that it should tife again with it at the End of the World. He adds, that Origen refuted them in a numerous Council, and reclaim'd them from their Errors. S. Angulin and Ificers, calls them Arabian Hereticks.

calls them Arabian Hereticks.

Manyland, in his Tables, has disfigur'd the Word, for want
of understanding it; be writes it Themofylychies; initead
of Themofylychies: He likewife places them in the Vith
Century; on what Grounds we can't imagine.
The Word is composed of the Greek, Syaris; Mortal, and

The word is complete to take overes, some state of Agranda Agranda Actions of God, and to blame many Things in the

Scriptures. Scriptures.

Mar@ds, in his Tables, places these Hereticks in the VIIth Century; for what Reason we know not; Damassenus being the only Author that mentions them, but without tak-

being the only Author that mentions them, the window takeing any Notice of the Time of their Appearance.
Add to this, that in Damagleous's Treatife of Herefies,
we meet with Hereticks that were not 50 much the Authors
of Sechs substituing at any certain Time, as wicked Persons,
fuch as are tound in all Times, and all Ages.

The Word is form'd from the Green, 3-56, God, and

Religibles 1 Condema.

THEOCRACY, a State govern'd by the immediate Direction of God lone. See Government of the According to Highest, the ancient Government of the Few was Theorate's God himself ordering and directing every thing belonging to the Sovereign Authority. See

Junoz.

This Theorracy lafted till the Time of Saml; when the Theorracy lafted till the Time of Saml; when the Theorracy thereof, defir'd they might have a King like other Nations; and thence-forward the State became

Monarchic. There was also a kind of imaginary Theoreasy at Athems:
While the Sons of Codrus were diffuting the Succession; the
Athenians, weary'd out with the Miseries of an intelline Athenians, weary'd out with the Mileries of an intelline War, abolish'd the Royalty, and declar'd Jupiter the only

The Word is form'd from 30%, God, and neural, Power,

Empire.

THEODOLITE, a Mathematical Infrument, much us'd in Surveying, for the taking of Angles, Dittances, Altitudes, Sc. See ANGLE, Sc.

Sc. See Angle, Sc. "Tis made variously; feveral Persons having their several Persons having their severals. more Ways of contriving it each more finishe, and portable, more accurate and expeditious, than other. The following one is not inferior to any we have feen: It confifts of a Brafs Circle, about a Foot Diameter, cut in Form of Fig. 25. Flate Surveying; baving its Limb divided into 360 Degrees, and each Degree fub-divided either diagonally, or otherwife,

into Minutes, Underneath, at ce, are fix'd two little Pillars bb (Fig. 26.)
which support an Axis, whereon is fix'd a Teleforte, confifting of two Glasse, in a square Brass Tube; for the viewing of remote Objects,

On the Centre of the Circle B, moves the Index C; which is a circular Plate, having a Compais in the Middle, whose Meridian Line answers to the Piducial Line as: at bb are fix'd two Pillars to support an Axis, which bears a Telescope like the former, whose Line of Collimation answers to the

like the former, whole Line or Communica natures to use Theirail Line as, it is feel at plain Sight for the viewing nearer Objects. See Struer. The Ends of the Index as are cat circularly, to fit the Divideous of the Limb B<sub>3</sub> and when that Limb Is diago-nately divided, the Feldural Line are or End of the Index and the Communication of the Communication of the Communication of the Index of the Communication of the Communicat

Instrument is mountained.

leg'd Staff.

Miost Theodolists have no Telescopes, but only four plain.

Sights, two of them faften'd on the Limb, and two on the

Ends of the Index.

The Up of the Tecodolite is abundandly flown in that of the Sewicirelle, which is only half a Tecodolite. See Semeraters. And in that of the plain Techle, which is occasionally made to be aid as a Tecodolite. See Plats Table.

Note, the Index and Compaß of the Theodolite, likewise force of the Caronal Compaß of the Theodolite, likewise ferre for a Caronal Ferrote, and are urd as facts. See

CIRCUMPERENTOR.

THEOGONY, that Branch of the Heathen Theology, which raught the Genealogy of their Gods. See Gon. which taught the Genealogy of their Gods. See Gon-Heffad gives us the ancient Viveseny, in a Poem under that Title. Among the ancient Writers, Dr. Burner ob-ferers, Theograp and Cofmogon, fignify the fame Thing. In effect, the Generation of the Gods of the ancient Per-fent, Fire, Water, and Earth, is apparently no other than that of the primary Element. See Commognay; fee also

The Word is form'd from Sale, God, and 2018, Geniture, ed. Offspring.

THEOLOGY, call'd alfo Divinity, a Science which infructs us into knowledge of God, and divine Things yer which has God, and the Things he has reveal'd, for its

which has God, and the lungs he has reveard, not us Object. See God and Dynning.

Theology is a Doctrine which shows us what we are to think of God, and of the Manner wherein he would be ferv'd. It is divided into two Branches, Natural, and Re-

peal'd or Supernatural. Natural Theology, is the Knowledge we have of God from his Works, by the mere Light of Nature and Reason. See Natura and Reason.

Supernatural Theology, is that which we learn from Reve-tion. Sec REVELATION.

Positive Theology, is the Knowledge of the holy Scrip-tures, and of the Signification thereof, agreeable to the Opi-nions of the Fathers and Councils; without the Affiltance of

any Argumentation. Some will have it, that this ought to be any argumentation not positive. See Positive.

Alexa Transposory, is that which teaches us the divine
Laws relating to our Manners. See Moral.

Scholaffic, or School Theorooy, is that which proceeds by Reasoning; or that derives the Knowledge of Several divine Things from some established Principles of Faith. See SCHOLASTIC.

SCHOLASTIC.

The Ancients had a three-fold Theology; the first publics, Mythic, fabulous, which flourish'd among the Poets; and was chiefly employ'd in the Theogeny, or Genelogy of the Goda. See Farly, and Farulous; see also Theo-

The fecond, meanum, Political, which was that chiefly embrac'd by the Politicians, Priefls, and People, as most fuitable and expedient to the Safery, Quiet, and Interest of the State.

the Sme.

The third, quenus, Natural, chiefly cultivated by the Philosophers, as most agreeable to Nature. The Physical or Natural Thoulogy acknowledged one only superme God; to which it added Damons, as Mediators between him and Man. See Damons.

The Word is compounded of Sats, God, and Mays, Difference of the Sats of Sats

courle, THEOLOGIUM, in the ancient Theater, was a Place, or little Stage, above that whereon the ordinary Acturs ap-

pear'd.
The T'hodazium was the Place where the Gods appear'd it allo included the Machines whereon they defeended, and

it atto instuded the Macaines whereout they defeended, and from which they fooke. See MACHINI.

There was a Theologisus required for the Representation of the Assa of Superceles, the Hippolitus of Enripides, 15c. Scal, Poet, Ibi. 1, 1 cap. 1.

The Word is Latin, form'd from 3-16s, and 20,9s, Speech,

Discorre THEOPASCHITES, a Soft of Hereticks, in the Vth Century, the Followers of Petrus Fullengis, or Peter the

Their diffinguiffing Dochrine was, That the whole Tri-nity fuffer'd in the Paffion of Jefus Chrift. See Parar-

This Herefy was embrac'd by the Eurychean Monks of Scythia; who using their utmost Efforts to make it obtain, rais'd great Diforders toward the Beginning of the following

Centary, it was condemn'd at its first Rife, in the Councils of Rome and Confinements, held in 48; r. It was revived in the IXth in the Council at Rome, held in 48; r. It was revived in the IXth in 58; ander Pope Richard I. I. Better, in his Notes on Demnsfarms, toys, that the firmer Liver is also to taught before Falling, by Aphilicaries, and the Council at Lates; except that it has now Nocks, or 1998, the Ports of a Lates; except that it has now Nocks, or 1998, the Council at Lates; except that it has now Nocks, or 1998, the Council at Lates; except that it has now Nocks, or 1998, the Council at Lates; except that it has now Nocks, or 1998, the Council at Lates; except that it has now Nocks, or 1998, the Council at Lates; except that it has now Nocks, or 1998, the Council at Lates; except that it has now Nocks, or 1998, the Nocks and Nocks an

second and lodger warroof taltains the four laft Rows of Chords, which are to give the deepeth Sounds. See Levis. The Theorie is an Influencet, which for thefe laft fixer of feventy Years, has faceceded to the Lute, in the playing of thorough Bailes: 'The fail of have been invented in Plante by the Sicur Hattoman, and thence introduc'd into Italy, &cc The only Difference between the Theorie and the Lute,

The only Difference between the Thomps, and the Lang, that the former has eight Rafe or thick Strings, ruice as long at that of its Large, which Keeck of Length renders long at that of the Large, which Keeck of Length renders. Time, that it is no Wonder many made keeps it up to long a chord itself. At least its has this Advantage, that it is calling the renders of them the length of the leng

double the Ball Strings with a Jimle Ollare, and the fould Strings with the Ultim is which Calle Jenning mere Referen-blance to the Late than the common "Dent"s, the Balless all the Arbitisms or Arbit Jean. The World There's is found from the French Theorie, The World There's is found from the French Theorie, which form will have the Name of the Balless Cannel, which form will have the Name of the Cannel Cannel, which form will have the Name of the Conditions to Pro-with terminates in Torony, and which conditions the Pro-perties of Things already made, or done. See Tunoax and Reventures.

and Proposition.

On, fittilly, a Theorem is a Theoremical Propolition, deduced from leveral Definition compar'd together. Thus, if a Triangle to compar'd with a Parallelogram itselfing on the finne Balst, and of the fame Altitude; and, partly, from the proposition of the proposition of the proposition of the parallelogram is doubt the Throughe, that the Parallelogram is doubt the Throughe, that the proposition is a proposition of the proposition

Parallelogram is doubte the triangle; that Proposition is a Theorem. See Deprivation, Sec.

There are two Things to be chiefly regarded in every Theorem, wis, the Proposition and the Demonstration; the the first is expected what agrees to fome certain Thing under the first is express of what agrees to some certain I links under certain Conditions, and what does not. See Pacoustrion. In the latter, the Reasons are laid down, by which the Understanding comes to conceive that it does or does not agree thereo. See DEMONSTRATION.

agree thereto. Dec DEMONSTRATION:
"Theorems are of various Kinds: Univerful Theorems, is
that whith extends to any Quantity without Refiretion, univertally; as this, That the Rectangle of the Sum and Diffe-rence of any two Quantities, is equal to the Difference of their

Particular Theorem, is that which extends only to a patticular Ouantity Negative, is that which expresses the Impossibility of any Affertion ; as, That the Sum of von Biquadrate Numbers

mot make a Square.

Local Theorem, is that which relates to a Surface; as, That Triangles of the same Base and Altitude are equal. See

A plane Theorem, is that which either relates to a Rech-linear Surface, or to one terminated by the Circumference of a Circle; as, That all Angles in the fame Segment are equals

a Little 3 as, a come in that which confiders a Space terminated by a folid Line; that is, by any of the three Conic Socious 3 e.gr. this, That is, or right Line out two Mynaptotick Parallelas, its row Parts terminated by them shall be

the Yerawas I, 113 rev Yaris terminator ey seven punc-equal. See Society.

A Resignant Theorem, is one whole Converti is true; as, That if a Triangle have two equal Sides, it mult have reve equal Angles: The Converte of which is true, That if it have reve equal Angles, it mult have reve equal Sides. See

RECEIVED. THEORY OF BOWN TWO PHONE MARKS. ONE RECEIVED AS RECEIVED AS THE RECE

Use. See Scinners.

In ancient Authors, Thuris Money was what was rais'd by Way of Tax on the People, to defray the Expenses of Theatrical Representations, and other Spechacles.

There were particular Queftors or Treasurers of the Theorie Money. By a Law of Endeute, it was made a capital Crime to pervet the Theorie Money to any other Use, even to employ it in the Occasions of War.

THERORETICAS, or THEORETICA, a peculiar Appellation given to a mainter Sect of Physicians. See Pre-

lation gener to an incorest occur of a symmetric articles to the Conference of the Conference of the American Conference or a careful Study and Confederation of what relates to Health and Dictates the Principales of the human Body, excellently the Conference of Direct, their Namer, Carefa, Signs, Indicates the Conference of Direct, their Namer, Carefa, Signs, Indicates the Conference of Direct, their Namer, Carefa, Signs, Indicates the Conference of Direct, their Namer, Carefa, Signs, Indicates the Conference of Direct, their Namer (Eds.) was continued to the Conference of Direct, their Namer (Eds.) was continued to the Conference of Direct, their Conference of Direct, and Conference of Direct, their Conference of Confer

ence. See Manicine.

The Word is form'd from the Greek, Sastis, I fee.

THEORICAL Afternown, is that Part of Aftronomy
which confiders the true Streakure and Diffootion of the
Heaven, and heavenly Bodies, and accounts for their various

henomena therefrom. See Astronomy. It is thus call'd in Opposition to that Part which considers their apparent Structure, or their Disposition as view'd by the Eye, which is call'd Spherical Astronomy. See Spins-

The feveral Parts of Theorical Aftronomy, fee under Systems, Sun, Star, Planet, Earth, Moon, Savel-

THEORY, a Doctrine which terminates in the fole Spe-culation or Confideration of its Subject, without any View to

calation or Confidentiation of its Subject, without any View to the Particles of Application thereon. To be I sent of its an Art, Gir. the 2 Powery failines, T. De a Marker of it, both the 2 Powy and Particles are required. Marker of it, both the 2 Powy and Particles are required. In the Particles. See Macassirus.

THERAPET OF PRIMERS, Gir. and Hypothoria, accord-ing to which the Aftenoments explain the Restoles of the Presentence of Applicants; Gir. and Hypothoria, THERAPET (TS), of "Innanzavira, a Great Term, ingrising a Servan shelly employed in the Servace of

God.

The Greeks gave the Appellation Therespenses to such as apply'd themselves to a costemplative Life, whether it were from the great Concern they had for their Scale, or from the particular Mode and Manner of their Religion; the Word Negrobus, whence Therefettes, fignifying the Care a Physician takes of his Patient, and the Service any one tradest

another. another. Pélid, in his firit Book of the contemplative Life, relates, that there were a People fpread throughout molt of thomow World, but particularly throughout Zegyft, and about Allessadria, who renounc'd their Pricods, their Effects, Eff. and who, after dicharging themsitives of all Temporal Concrus, retird into folicary Places, where they had each their (sparate Place, called a Somme, or Monaltery,

had each their (sparser Fake, can a demons, or nominery.)
He adds, that they there refige? d themfolves wholly to the Exercise of Prayer and Contemplation, were continually as in the Preferce of God, pray? Mornings and Evenings, an onboing till after Smole, pray? Mornings and Evenings are nobing till and many of them not above once in three, or even fix Days nor then any thing but a Piece of Bread fedford with Salt, or, at bell,—with

a Prece or Blass.

Hydiop.

They carry'd nothing with them into their Semnee but the Books of Mafes, the Prophets, the Pfalms, and other like Writings, wherein they fought for Mytlical and Allegorical Meanings, from a Perfundion that the Scriptures were only concerning the Prophets of the Meanings whereof were to be unfolded.

Shadowin or Tigorea, the hidden Meanings whereof were to They had all for the Book left him by the Pounders of their Sci. They not together every feventh Day in a large They had together every feventh Day in a large Three are two Points relating to their Sci. There are two Points relating to their Newspirot, accordingly controverted among the Chitch, sets, 4°, Whether the Points of the Chitch, which is the Chitch of th

THE succe a Day, whereas the Christians that on pray'd much officer, e.g., "Dat the Christians had no Hymone or Pathest mild after the Times of Administration," Nat the Christian Analysis, "An the Christian Christian, Ling," Nat the Christian, Christian, Ling, "But Ball, East, & 23, Septem, Northern, Remaint, Pressumb, M. Octaton, Mannes, Remaint, Remaint, M. Octaton, Mannes, Remaint, Remaint, M. Octaton, Mannes, T. Martin, Remaint, Pathesta, in the Christian is order to the Church, that the factoust given of them by Table, that the Books of their Founders are the Gogles, and once Willings of the Appellers and that there are ballers and the Church, and the Appellers and that there are ballers and the Christian and the Appellers and the Pathesta, and the Pathesta, and the Pathesta, and the Pathesta of th

But the the Christianity of the Therefeutes appears pro-bable enough; yet their Monachifm is not made out at

THERAPEUTICE, THERAPEUTICES, that Part of Medicine which is employed in feeking our Remedies against Diffeafes, and in preferribing and applying them to effect a Care. See Medicine.

Therapestice teaches the Use of Diet, Pharmacy, Chi-argery, and the Meshodus Medendi. See Dirr, Menturgery, and the Meshodus Medendi. See Dirr, Meni-tines, Prescription, Ov. The Word is form'd from the Greek, Signatur, to attend,

to cure, &c. Therspentice is also apply'd, figuratively, to the Mind, and to Discourses made to correct the Errors and Defects

Such is the Therapeutice of Theadores; being a Treatife against the Errors or unwholfome Opinions of the Greeks,

against the Edition of Salarian and Archive Term, which has given great THER APHIM, a Hebrew Term, which has given great

Torace to the Cricics.

We note with it got a 4 mins in Scripture 3 where 'the commonly interpreted Idel's but the Rubbins are not consecuted to have it family fleight Ideols, it must be Ideols, or most one with the Ideols and Ideo

This is a Rabbinical Fable, which he has learnt from Others hold, that the Theraphins were brazen Instruments

which pointed out the Hours and Minutes of future Events, as directed by the Stars. De Pomis corrects Abenears, faying, that the Theraphim being made under a certain Conflellation,

that the X Betafinia being made unders certain Confidhation, the Deril made them field, under the filme. R. Biteser cells us the Resiston why the Robbins will have the Theophins on fiscal and render Oracles. Tis, flys be, because it is written in the Prophet Zackbury, x. 2. The Theophins feed win Things.

The film Robbit skid, that to make the Theophins, they little as furthern Calid, clove his Head, and feesford it with

kill'd a firth-tern Child, clore his Hord, and farsfard it with Stalt and Oil; that they were on a Planet of Gold, the Name of fonce inspute Spirit; lidd it under the Trouges of the Don't ploads the Heat spinish the Will, lighted Lumps Se-Don't ploads the Heat spinish the Will, lighted Lumps Se-Be this as it will, Terjina to before, that befole the Palligs of Zackery yill quood, it is spiness likewish from Zacked xxl. 21. hat the Viberaphies were confuled as Oracle xxl. 21. that the Viberaphies were confuled as Oracle 10 Zacked Bed, were not of this Kind, becast they were not in the Figure of Ming both. Zileren's risk may be

As to the manner of making the Theraphim, Verflins As to the manner of 1888 ing the 2 breepring, Feograph 2800 it to be a vain Tradition of the Rabbins; though R. Tanichuma and Jonathon, in his Targans, Gen. xxxi. 21. relate it after R. Elizzer. The chief Reason of his Disbelief, is, that after R. Elizzer. The chief Resion of his Disbelief, is, that Laben, who had not quite loft all Notion of the true God, as appears from Gen. xxxi. 53. could not be guilty of 50 great as appears from Gen. xxxi. 53. could not be guilty of 50 great as a present of the Cultum. a Cheeley, but Verifies does not consider that the Culton might not be lefs real, for its not having been eliabilited for early as Labour, and that the Hebrews forestimes burnt their Children to Molech.

F. Kircher directs us to feek the Origin of the Theraphims in Egopt 3 adding, that the Word is Egyptian.

Spincer, in his Differtation on the Urim and Thummin, maintains the Word to be Chalder, and to fignify the fame with Seraphim; the Chalderns being frequently known to change the w into r, that is, the f into r. He adds, that those Images were borrowed from the Americas, the Chalcast or Syrians 1 and that the Senajor of the Egyptians is the fame thing with the Teraphine of the Chalcast. See

the tame thing with the Zeraphins of the Challegard. See Selden & EDIS Syriii.

THERIACA, Tracele, in Medicine, a Name the An-cients have given to various Compositions, effected good against Poistons; but now generally referrinced to what, by way of Distriction, we forecurse all Vertraes Indeposated.

ALEXIPHARMACHIC.

This is a Compound of no lefs than 64 Drugs, prepared, niverised and reduced, by means of Honey, into a liquid Electuary.

The Easts, or Foundation of the Composition, is Vipers
Flesh. M. Charas has wrote a particular History of the Animais, Planes and Minerals, which enter the Composition of

mais, Piness and Mitmrais, which enter the Composition of the fam'd Rencelly, signifish the Bires of venerous Benkl, and in the Wind-challe; and it allowful in intermitting Fewer, and in Carles requiring feripfirmities and Displophentics; all Displophentics; and the Carles of the C

Anciently, the Treacle made at Venice had all the Vogue; and many fill retain the ancient Prejudice; but 'tis now pre-pared at Montfellier, at Paris, and even at London, with as much Advantage as at Veni

much Advantage sait vente.

There is another vulgar kind of Therises, call'd Disteffsrow, becaste only confilting of four ingredients.

Treacte Water and Treacte Vintager are found good Prefervatives against patrid Air, whether by being only find: at,
or by rubbing the Wrist, Temples, and Note therewish.

THERMÆ, ancient Buildings, destined for Bathing in. See BATH.

Allowers, Stockes Buschings, octuned for Steining in.
Almong the solicit Monaments of secious Rates are reduced the Throne or Extinct Distribution.

Almong the solicit Monaments of secious Rates are reduced the Throne or Extinct Distribution.

Throne of the Throne of Extinct Distribution are both Rates of the Throne of the Monament of the Throne of Thron

Confirmation of a THERMOMETER, depending on the Rarefaltion of the Air,

In a Tube B C, (Tab. Promunticles Fig. 2.) to which is failed at Gliff Bull A B, is part a Quantity of common Water Maximum and Common and Common Maximum and Common Maximum Maximum (and with Soldment of Viriles) or joye in a Germand. In filling the Tube, Come is asken that there be 50 much Air Leich in the Bull and the Tube, a trans-work as in general Com-and yet in large greater Maximum and the greater Com-and yet in large greater Maximum and Common and yet in large greater after Liquing control for Tube. To be nother Extractor of the Tube, in white of smoother Cliff Bull CD, open to the Air at the Common Maximum and Common Maximum and Common and Co

D: On each Side the Tube is applied the Scale EF, divided into any Number of equal Paris.
Now, as the ambient All becomes warmer, the Air in the Ball and the Top of the Tube, expending, will drive the Liquer into the lower Ball, and confequently in Surface will deficiently on the contrary, as the ambient Air grows colder, that in the Ball becoming condended, the Liquer will afcerd. See Razeracrons and Constitutions.

Confirmation of the Mercurial THERMOMETER.

In the fame Manner, and with the fame Caution as before, put a little Quantity of Mercury, not exceeding the Bilgness of a Pea, into a Tube B C (Fig. 4.) thus bettn with Wreaths, that, taking up the less Height, it may be the more manageable

and left liable to Harm; divide this Tube into any Number of Heritage and the liable to Harm; divide this Tube into any Number of Heritage and the Heritage and the Heritage of Heritage and the Engere of Heritage and the Pages of Heritage. Heritage is the Heritage of Heritage of Heritage of Heritage of Heritage and Heritage of Heritage and Heritage and Heritage and Heritage of Heritage and He

Confirmation of the Florentine or common Thermometers.

Academists del Cimento, considering the Inconveniences of the Thermanners just described; attempted another, that should measure Heat and Cold, by the Rarefaction and Con-densation of Spirit of Wine; though that be vastly less than that of Air; and, confequently, the Alterations in the Air like to be much lefs fenfible.

like to be much keil festfülle.

18 Sender in Weit Sparid 2. Quantity of recibile in Soundary of recibile Sparid 2. Quantity of the Sparid 2. Quantit the extremest Cold

the current Gold. It is the gray as a most in the value of the first in the first two grays and that the Take mayn't be made for it is to be taken only and that the Take mayn't be made for it is to be taken only and that the Take mayn't be made with its Shiptit, is beling Water and no most the farrished. Point on which the Spirit them 6150.

The property of the Spirit them 6150.

The spirit that the Spirit them 6150.

The spirit that the Spir

by diffeovered, this Infirmment is not firfelly a Thermometer, no more than the former.

It is to be here oblivered, y.\*. That as the natural Gravity of the Liquor makes it tend downwards; foit refifts its Afcent out of the Ball into the Tabe 3 and that the more, as it riffes higher: her which reason, 'twere best to have the Tabe BC Horizontal.

2° Since there mult of Necessity be some Air left in the

a\* Since there mail of Necellity be found his feft in the void Part of held be worthe Linger; rath Air, by its Ellisti-city, will treat downwards, and, of eneloquence will reful the interest of the control of the control of the control of the Bellittich, detection, is then incredible; as at the on-fit good the control of the control are not proportionable to their Producing Garles; effectively find as greatly Depose of Hest finds now Capper in the Tues than a 'et does, to which, newardshinding, the Hest may be, ore only communicated, that to the figurating in the place only communicated, that to the figurating in the

Ball. On these Accounts, the Florentine Thermometer, though that commonly in USs, is fir from being an accarate Merline of Heat, Es. to which may be added what Dr. Halley observes in the Philosophical Translations, that he has kenn from these who have kept Spatin of Wine long, that it Jose Part of its expansive Force, in Court of Time.

Part of its expansive Force, in Court of Time.

for finding a fix'd Point, or Degree of Heat and Cold, from which to account the other Degrees, and adjust the Scale; that fo Observations made at the same or different Times, in

fo Obfervation mode at the fine or different Times, in different Pieces, may be compared together. Where, we are Some once the Piece the Liques is at it was a successive to the Piece the Liques is at it was a successive to the Piece the Liques is at it was a successive to the piece to the Liques in the Conduction, towards the intermediate Space they divide into two equal Piers, the models Piece where divides in two equal Piers, the models Piece was a successive to the Conduction, two many contract of the two Extremes. He in Method fispoles the firm Pieger of Heat and Cold, to answer to the frenching of all Wares, and receive the fieme Inpeger of Heat and Cold, to answer to the frenching of all Wares, and receive the firm Inpeger of Heat and Cold, to affect to the frenching of all Wares, and receive the firm Inpeger of Heat as all which are contraly to Experience.

Others advife the Ball of the Thermometer to be put in a Quantity of Snow and Salt, and the Point the Liquor is at to be noted. Thence, the Thermometer is to be removed into to pe norcal. a nence, the 1 certamorers is a 08 removed into a deep Care of Cellar, whither no external Air reaches; fo that the Liquor receiving the Action of a temperate Air, may fine with Degree of temperate Heat. Laftly, they dwide the intermediate Space into 15, or more equal Parts, which they continue beyond each Externer. Hat this Method is liable to

the like Inconveniences as the former.

Dr. Hallevaffumes That for a fix'd Degree of Heat, wherein Dr. Halley silmos' I hast for a ha'd Degree of Heat, wherein Spirit of Wine begins to bod 1; but there it Reflors to fulfped this, too, of being precarious: Though sire him, h. Journal tong remins the Degree of Heat, suffering to boling Water, for the graduating his mecunial Theresoweter. But as the different specific Gravities of Water, sugges a Difference of Math and Texture; it is highly problet that Heat of boling Waters is not the Gune: So that the Point is yet under-buling Waters is not the Gune: So that the Point is yet under-

THER MOSCOPE, an Infrument shewing the Changes happening in the Air, with respect to Heat and Cold. See Air, Weather, &c.

happening in the Alt, with relief to Hest and Cool. See
The World Teachpets is generally seed indifferency, however, in
these of Teachpets in the Difference, however, in
these of Teachpets in the Difference however, in
the Language of the Cool of the Cool of the Cool
of the Teachpets of the Cool of the Cool
of the Teachpets of the Cool of the Cool
of the Teachpets of the Cool
of the Teachpets of the Cool
of the Teachpets of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
of the Cool
o

mg mas none of them properly measure for Chings of Heets, \$\frac{1}{2}\$, none of them do more than indicate the fame. Though their different Heights yelferday and to-day, thew a Difference of Heets, yet fine they don't difforer the Retio of yelferday's Hest to m-days, they are not, firstly, Thermorecers. See THERMOMERER.

INDEX MOMERE.

In the Alla Erudit. Liff, we have a Method of graduating the common Thermometers fo, as that the unequal Divisions thereof shall correspond to equal Degrees of Heat; whereby the Ratie of to-day's Heat to velterday's, will be measured, and, consequently, the Thermostope improved into a Thermostope.

and, confoquently, the Thereingles improved into a Thermonth of the state of Core. Residents, and is deferred by the Leight Editions that "LUc a flengte Tube about four Finish telen, with a Bull fallow du the firm; your time, if the Finish telen, with a Bull fallow du the firm; your time, if the wind loss and not a Drop over. In this Stree, feel the Ordice of the Tube Hermetocky; a rewised for Wellen, and with loss and not a Drop over. In this Stree, feel the Ordice of the Tube Hermetocky; a rewised for the wind loss and the Bull power of Ordice of worm Water, into the Control Ordice, just the Tube Control of the into the Control Ordice, just the Tube Control is not. Others, with the Tube Control of the Spirit it not. Others of the Waters oldering how high the Spirit risks in the Tube, and bottle fire Public, and most risks in the Tube, and bottle fire Public, and the Spirit risks in the Tube, and bottle fire Public, and the Spirit risks in the Tube, and bottle fire Public, and the Spirit risks in the Tube, a 19, thus proceeding till the whole into 12 Parts, devoking for many Terms or Degrees of Hest So States 2, the Busin double their 1, 18, 11 public, 100, 18, 11 public and the Tube Public Public Public Public Public rew Obsects to 19, Oct. It Engryoffes that a finish Engree of 18 the Effect be produced in the Thermoneuer by the Hust of the significant bush his her give deady by the low Water.

of the ambient Air which is here produced by the hot Water, the Air has the same Degree of Heat with the Water.

the Alr has the time Degree of Hert with the Water.

Ble none of the Supportions is true; For, as to the based through the Cold a year. Degree of Heat will then be distillated, through it Pers, two thought, or, there through the Cold; ore Degree of Heat will then be distillated, through it Pers, two throught, or, there through the cold; by the Cold and the Heat of the Low Good and the Cold an

THESEA, THESEA, in Antiquity, Peufls celebrated by the Abbenium, in Honour of Thefeut. See Feart. In flight of the important Services that Mere had done his Country, in delivering it from a fhameful Tribate of to

many Yourhs of cither See, first yearly to be devourd by the Admission in Crete (as the Fabbe has it) or first as Silves to Mainte King of Cret, as the Hildrich serve it's from which Admission and the Crete is the Crete in the Head of the

his Death.

has Jeath.

Upon this, they flew Lycomedes, brought Thefins's Bones
to Athens, placed them in a Temple excelled to him, and
appointed Johns to be held every Eighth Day of each
Month; wherein Largeffic were diffiribated to the People,
and the Day frent by the Rich in Feathing and Rejoleing.

THESIS, in the Schools, a general Proposition, which a

Person advances, and offers to maintain.

The Word is pure Greek, 3-ten, Tofaton. In the Colleges, 'tis frequent to have Placards, containing a Number of these There are Thefes in Theology, in Medicine, in Philosophy, in Law, Se. The maintaining a Thefit, is a great Part of the Exercise a Student is to undergo for a Degree, See

DROBER.
THESIS, in Logic, &c. every Proposition is divided into a Tieffs and Hypothesis : Teefs contains the Thing affirmed or denied; and the Hypothesis the Conditions of the Affirmation or Negation: Thus, in Enclied, If a Triangle, and Tearledgram have equal Basic and Mitindes, (is the Hypothesis) the First is half of the Second; the Thesis. See HYPOTHESIS

THEURGY, THEURGIA, a Name which the Ancients gave to that Part of Magic, which we furnetimes call value Magic, or the white Art. See Magic.

gave to that l'art of Diague, which we innetimes call white Megeic, or the white Art. See Macric.

The Word is form'd from the Groek, \$14,6, God, and \$1500.

Work, A. & the Art of doing divine Things, or Things which God alone can do; or the Power of working extra codinary and Inpernatural Things by lawfal Means, as by

Prayer, Invocation of God, &c.
Accordingly, those who have wrote of Magic in the general, divide it into three Parts; the first whereof is call'd

and, divide it inno streen Parris, the first whereoft is Guild Theory, as operating by drawer or coelcland Manays, the Chengy, as operating by drawer or coelcland Manays, the Chengy, as operating by drawer and the third, Normonary, which proceeds by involving particular to the Chengy of the Chen

FEMUS

Francis. THINKING, Orgitation, a general Name for any AR THINKING, Orgitation, a general Name for any AR or Operation of the Mind. See Mind and Thousura. Colassion, with the Cartifoline, will have Thinking to confil in a certain native inherent Motion or Agitation of the human Mind, whereof Helft is conditious. — Native and Inderent, fince he conceives it no other than the very Effects of the Mind Helft, or, at least, its principal and fundamental of the Mind Helft, or, at least, its principal and fundamental managements. of the sinest ries, or, at east, its principal and the directions at Property 3—An Agication, face there is a new Modification or Change made in the Mind, which we feare know to conceive without Motion 3 add, that the Origin and Etymology of the Word Cogitation, according to Varro and Edux, imof the Word Cogitation, according to Varro and Reflux, implies as much, orgive being wid for coggive.

When the M od turns its View inwards, upon itself, the first I date that effers, fays Mr. Lock, is Thinking; wherein it observes a g-car Variety of Modifications, and thereof frames to itself dishiful fleas. Thus the Perception annex'd to any impression on the Body made by an external Object.

to any impretion of the Dody made by an external Object, is call'd Singlation. See Sansarrion.

When an Idea recurs without the Prefence of the Object, 'tis call'd Remembrance. See Manday. When fought after by the Mind, and brought again in View, 'tis call'd Remembrance. See Recollection.

When held there long under attentive Confideration, it is Contemplation. See Contemplation.

When Ideas float in the Mind without Regard or Re-When Ideas most in the mind without regard of ac-fection, its call'd a Revery: When they are taken express Notice of, and, as it were, regilder'd in the Memory, it is Attention: And when the Mind fixes its View on any one Idea, and confiders it on all Sides, it is Study and Intention.

Acea, and commoners to an advice, it is array was non-money.

See ATTENTION, STUDY, Eff.

The are the most obvious Modes of Thinking; but there are feveral others which we know of; and, doubtlets, the Mind is capable of infinite others, whereof we have no Notion at 2M, See Monz.

The .

The School Philosophers usually divide Thinking, with Regard to the Objects it is employ d about, into Unaurghanding, Intellectio; and Wilking, Volitie. See Understand

ING and WILLING

side and Wilkinson.
And benne, node are field to be two Powers or Faculties And benne, node are filled to be for Formal And benne, node of Formal Intellectual Tensing is burster fabe-divided into diverse Kunda: The first, when the Mind morely appelends or takes Notice of a Thong, call of Powerprises: The second, when the first in the proposed of the Power of the Conference of the Power of the Conference of the Power of the Conference of the Power of the Po Thongars of Ideas in Order, call d'AMENISS. See Percer-rion, Judgment, Reasoning, and Methop. Volitive Knowledge, or Volition, admits of infinite diffe-rent Modifications, or new Determinations. See Voli-

TION.

Tion.

Some Authors extend the Idea of Thinking further; and confider it in God, Angels, Bruce, &c. whence a new Divifion of Thinking into Divine, Angelical, Human, and Anianal or Senfire But the two first we know little or nothing of. See God

and ANGEL. and ANOEL. The third is that we have already been treating of. As to the laft, wis. Animal or Singlives Theoght, it is defined to be an Action of the Soul attending to an external Object effected by means of the Animal Spirits duely agitated in the Ballie are given an Idea. See Sould support the Sould State of the S

the Brain, to excite an Idea. See Spinirs; fee also Know-LEI OE, &c. The Carrefisors maintain, that Thinking is effential to the human Soul; and, confequently, that there is no Time when the Soul does not think: But this Doftring is over-

turn'd by Mr. Lock, who shews, that in Sleep, without Dreaming, there is an entire Cellation of all the Modes of Thinking. See Inea.

Thinking. See Inga.
I think, eapin, according to det Carret, is the first, and furest of all Truths; from which alone we draw this Confequence, therefore I am, or exist, from.
One might also fay, Origin, eage Densi of 3; I think, therefore there is a God. See Existence.

there is a God. See Existence.
Logic is defind the Art of Thinking juilty. See Loute.
THIRD, Yerius, See Numera, and Numeration.
Third, in Music, a Concord refulting from a Mixture of two Sounds, containing an Interval of two Degrees. See

CONCORD Tis call'd a Third, as containing three Terms, or Sounds

The attle at Pirit, as containing three Terms, or Sounds between the Extracts. Bee Intracts. There I have, in the Internal Event I have a Terms, in Land-Tier I have, in the Internal Event I have a selant of Majories, and I have the I have a selant of Majories and Minority, without ceasing to be Concords. And hence risk, that it is distinguish if a new Nichals, and hence risk, that it is distinguish if a new Nichals of Minority of Terms Melginer, and we greater Three, is com-ported distincted by three Terms or Sounds, containing two Degrees on Internals; one whereof, in the assists system, is a Green concerned Settlem there is the Terms of Sounds.

a gitter Tooe, and the other a leffer Toor; hot in the modern enemers tylem they are hot equal, as are, we, in comment to the present the state of t

Ratio Setqui quinta 5:6.

Both these Thirst are of admirable Use in Melody, and make as it were, the Foundation and Life of Harmony. See MELODY and HARMONY.

They are us'd agreeably both afcending and defeending; and that either in running over all the Degrees, as ut, re, mi, or re, mi, fis, or in skipping the middle Degree, as ut, mi,

or τe, fig. or, fig. or externing the mutuae Degree, as us, un, or τe, fig.

But it is to be observed, the greater Third has formewhat and angular department of the lefter Third, on the contrary, has formewhat fold and tender in rifing, and formewhat point and tender in rifing, and formewhat per brisk in

For the Use of the greater or leffer Third in the Series of the Scale. See Scale.

There are two other Kinds of Thirds that are difforant

There are two other Kinds of Zeirich that are difficunt and vicious; the first only composed of two grearer Semi-tones, and, by Confequence, of a Semisone left than the Leffer Zeiric. This they call the deplicit zeiric. The Icond, on the contrary, has a Semisone more than the typener Third, and this they call it relandant There.

The defective Third is very frequenc in Italian Songs, priceitly those composed for Intilumentary has it is not to be repeated to the Composed for Intilumentary has it is not to be

o'd without Necoffity, and a deal of Differtion. The resimilar There is abbitactly workdown.
In Architecture, the
Plant of Section in the Vertex of a Equilment Triangle,
Archer or Vasin of the United Yang, call'd by the Inticomplex of the Control of the Control
Control, the Control
Control, the Control
Control, the Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Control
Contr The third Orsers are not originally Religious Orders, but Affociations of feedar, and even marry'd Perfora, who con-form, as far as their Condition will allow them, to the De-fign, Intention, and Rules of a Religious Order which affo-ciates and directs them.

figs, the crace and directs them.

The Premonfrance, Cermelites, Angolius, and Premolf-cent dipart among themselves the Honour of having first introduced dibits Orient; But the Pretentions of these last ap-

The first contend that the third Order of Premonstrantes egan in the Life-time of their Founder, S. Norbert, who

dyd in 1134. See PREMONSTRANTES.

F. Diego de Caria Maldonado, a Spanifo Carmelite, who has a particular Treatile on the third Order of Carmelites, derives them immediately, as well as the Carmotics them-icives, from the Propher Elist; and among the great Men who have made Profettion of that third Order, reckons the Propher Obsalish, who liv'd Soo Years before Christ; and Prophet Obelade, who liv'd 800 Years before Chrift 3 and among the Wenter, our Striven's Gernet Grandmother, un-der the bortow d'Asme of 83. Emercutiens. This Obselade, he fay, was Cambolic General of the House of K. 2006, the fay, was Cambolic General of the House of K. 2006, ple of the Prophet Elijah. After George with and Dis-ple of the Prophet Elijah. After George with and Dis-serting the Cambolic Company of the Cambolic Company has Saccoffort, be territed to ferre Cod, and carered the Pro-phetic Order of Elijah, but without quieting his House, his Wife, or Children.

The Author adds, that he was not properly of the third Order, but of the feems, which confifted of marry'd People,

Order, has not the found, which conflict of marryl Regist, and was still the Order of Emests, under the Direction and was still the Order of Emests, under the Direction to the Order of Emests, under the Direction of the third Order of Carmidities. See CA as set at 7 s.

P. Helpes Breen, stath this third draw sans being mill the Tour, april, when Sirvin VI, gave Permittion to the Foor and Real of their Order, in People of Book Seen, marryl of an unsuryl is, living at Liberty in the World. De Cora sections are considered to the Cora of the Co

produces are for fivelous, that F. Billyw observes, they are now worth the reliainty. Freedfarm on an inlinead by S. Peres.
The third Order of Freedfarm on an inlinead by S. Peres.
The third Order of Freedfarm of the State Day, and the State Order of the State Day, and the State Order of the State Day, and the State Order of the Order of the Order of the Order of the Orde

the third several Persons of both Sexes, who live at Liberty, and these are what we call the third Order

and their are what we catt the terry Open.

Of this Order, which was only ethabliful for fecular Perfons, feveral of both Sexes, to attain the greater Perfection, have fince commenced Religious, and form'd various Congregations, under various Names, as Religious Penitents of the and Order, Sc.

THIRD Earing, in Hushandry, the Tilling or Ploughing of the Ground a third Time. THIRD Boron, in our ancient Law Books, denotes a Conflable. See Constable.

THERD-might-neur-hydral; by the Laws of S. Esuard the Confessor, a Guest who had lain three Nights in an Inn, was reputed a Domestic, and his Host was answerable for what Offences he should commit.

For one Night he was accounted Uncerth, for two Nights Gueff, and the third even bynd. Prima Noth Lacquium, fe-cunda hoffes, tertia Dameflicas confesur. Bratton, lib. 3.

cunda Myre, terris Zungiptas coplens. Zmata, un. 3, un. 3, un. 3, un. 4, un. 5, un. 6, 
too much warm'd and agitated, either from a Want of fome

other Liquor to temper and dilate it, or from any other Caufe, becoming converted into too thin, fabrile, and pen-trating a Vapour, is 16 af from monifering and cooling the Throat, that, on the contrary, it dries and heasts it a and heace that Motion in the Nerves, the Senfation whereof

and hence that Motion in the Nerves, the Sentation whereof we call Thirty. See Havens. They fonetimes also arises from a mere Drycef of the Party and fournitions from themp Solte, more immediately vellicating the Fibers of the Threat. There are various Kinds of Liquors which quench Thirty 5 fome by remyering the Stonach Liquor, others by dilustroity and even difficility the Silty and others by motifecing and

and creat the control of the property of the p

Y traff is tomerimes cluded by rolling a leaden Bullet or a Pebble in the Mouth, which occafions in extraordinary filter of Saliva to moithen the Throst, 15c. See Saliva. Mr. Boyle mentions a Man who could eatily abblain from Drinking for nine Days, and yet his Diet nothing more li-quid than uftal; the Secretions of Urine, Sweat, 15c. being performed all the while regularly, and in the fame Quantity as

ufuel, despite Liefe, when there is not a right Scoretion of Liefe and Liefe

THISTLE, Carssaut, a Name common to divers Plants, hole Flowers confeit of feveral little narrow longish Leaves, Manner of Tubes, rang'd close together like a Head, and

in Malmer of Tubes, raings Golde orgener has a stead, and whole Laves are very prickly. The most known of hetel Plants are 10 Cardinas Remaillins. The Aportheanies diffill a Water from it, field to be of great Service in petitlential Difficiles, the worfe Kind of Povers, and particularly as 2 adouting. The Water is theseifs accounted one of the four common Cordial Waters: Its fixt Salt is Wormwood, the viz. Anti-emetic, Diaretic, the Sec Car-

www Benedillu.

2" The humber-bested Trisves, or Eryagium culpine; the
Root whereo boild in Wine, is said with good Secrets
against Recentions of Union: This is not properly of the
35 Our Letins Triffel, certains Allis Meanist notation grafted to the
profit CB, the Devotion whereof is recommended against eithe
Droofs, Jaundee, and Pains of the Kadneys.
The Luther Triffel, or Tequel's See under the Article

TRAZEL.

TRADEL.

Order of the THISTLE, or of St. Andrew, is a Military
Order in Scattend; inflituted, as fome fay, by Hungus, or
Hunge, King of the Pills, after a Victory obtaind over
Absiltan. See Kwiony.

Mittelfan. See Kwiterr.

The Legend is, that a Crofs of St. Amérew (the Patron of that Kingdom) appearing to him at the Time of the Engagement; he bleft the happy Augury; took the Figure thereof into his Standard in Honour of his ProteRoy; and inflitted an Order of Knights, whose Collar is of Gold interwoven with Child Liberts.

with Thigle Flowers. with I Bille Flowers.

From the Collar hangs a Medal repretenting S. Andrew holding his Crofs in his Right Hand; with this Motto, Nemo me impune laceffit, No Body shall provoke me im-

Deep design of different Account of its Origin, and sifture us, it was influent after the Cocultion of a Fear Detween Chert VIII. of Prese, and the King of Scattlend, but I to Chert VIII. of Prese, and the King of Scattlend, but I to Chert VIII. of Prese, and the King of Scattlend, in Sep 3 who, after an Alliance made with Chertanger, cook for the Device the Chert VIII. King of Scattlend, in Sep 3 who, after an Alliance made with Chertanger, cook for the Device the Chert VIII. is not of the Order, I food, that King Chert VIII. or the Order, and took Sc., Adviewe Sci. I food of the Chert VIII. or the Order, and took Sc., Adviewe Sci. I food of the Chert VIII. or the Order, and took Sc., Adviewe Sci. I food of the Chert VIII. or the Order, and took Sc., Adviewe Sci. I food of the Chert VIII. or the Order, and took Sc., Adviewe Sci. I food of the Order, and took Sc., Adviewe Sci. I food of the Order, and took Sc., Adviewe Sci. I food of the Order, and the Order VIII. or 
for its Protector.

The Order only confifts of twelve Knights, whereof the King is the Chief: They wear a green Ribben, with a Gold Medal enamell'd 5 on the one Side whereof it the Image of St. Andrew, and on the Reverfe, the Device above men-

tion'd. Our Lady of the TRISTER, was allo a Military Order in-fittured in 1470, by Louis II. Duke of Baurkeu. It conflitted of 26 Knights, whereof that Prince and his Succellors were the Chefs: Their Badje was a Sky-blue Gridle; and, on folions Occasions, a Mintel et the fance Colour, with a Cold Collar, interworm with Flowers, along which was the Word Efformate, Hope, in

They had their Name from a Thiftle fix'd to an Oral, which hung to the Girdle.

THISTLE-tacks, a Gufton in the Honour of Halton, in the County of Chefer, whereby, if in driving Beaffs over the Common, the Driver permits them to graze, or take but a Thiftle; he shall pay a Half-penny a Beaff to the Lord of

the Fée.

A Fiskerton, in Natinghamphire, by ancient Cufton, if a Native, or Cotrage Kill d. 8 wine shows a Year old, be paid in Native, or Cotrage Kill d. 8 wine shows a Year old, be paid to THLIPSIS, is used by from Amountile, for a prefling to gether of the Velletof a human Body.

THOMAS, NS, THOMAN, A THOMASTER, or Coefficient of S. THOMAN, a People of the Leif Indica, who, according to the Company of S. THOMAN, a People of the Leif Indica, who, according to the Company of the

ing to framion, received the Gotpel from the Apofile S. Thomass. See Consistration.

Upon the Arrival of the Porraguess at Caleent, in their first Voyage to the Indies, they met with ancient Christians, who precented to be defeended from those converted by

The Thomesons being inform'd of a new People arriv'd among them, who hore a particular Veneration for the Crofs; fent Embaffadors to them to make an Alliance with them, and to folicit their Affifance against the Gentile Princes, by

and to folicit their Amittance against the Contile Prince, by when they were greatly opported. Indigence, or originally of "Intie : They are call?d Natureness; but Cuttom has athic'd to that Name an Idea of Concerny: Their other Name Mappine, and, in the plantal Mappinejsmar, is more ho-

They form a very confiderable Claff, or Cainton; but are al-ways divided by Factions, Invecente Emmires, Efc. The Clair extends through all the Lands from Cafecus to Therem-cor; not that all the Track is posted wholly by them; Sometimes they have a whole Town to themselves, and forme-

Sometimes they have a whole I own to themlelves, and fome-times only a certain Quarter in in that Country, and their Tradition is, that they came thither from the Country shout the City of Mailagar, or S. Thomas, by rea

no monuments.

The Thomeans aferibe their Convertion, their Discipline, \$\mathbb{E}\_c\$, to \$8\$, Thomas: Their Breviary adds, that their Apolite pair'd thence into China. no Monuments.

We shall not here enter into the Dispute, whether the

We fluid not here enter too the Diffque, whether the S. Tenner fit form in the Leifer, be at Apulle, or flow S. Tenner fit form in the Leifer, be at Apulle, or flow forms I merry at the Apulle, and the Apulle, and the flower I merry at the Apulle, and the Apulle, and the leif difficult to treet then I copying the Imagene Books that the Apulle of the Indian of the Imagene Books the Indian precipital by Tenners, S. Tenners, S.c. I may be colored, whether or no it were to deter fairer that the Persympt Apulle of Highers S. Tenners, S.c. I may be colored, whether or no it were to deter fairer than the Persympt Apulle of Highers S. Tenners, S.c. I supple to the Indian of the Indian S. Tenners, S.c. I supple to the Indian of the Indian S. Tenners, S.c. I Apple whether the Indian S. Tenners, S.c. I Apple whether the S. Tenners, S.c. I Apple whether the S. Tenners, S.c. I Apple whether the S. Tenners, S.c. I Whether or no both Apulle coldinal them any Hilliops.

coefinine to famili them.
Whether or no help of orbital d been as Billarys,
Whether or help have been fine existed. Billarys,
Whether the have been fine existed a Billarys,
Whether the have been fine existed a Billarys,
of proper Subjects, as I. Fineher imagine) is a Questions of
All we can the jish that the Thomase Borech as the first Arriva of the Partneyards, was whally grown by their Billarys and the popular of the property of the propert

carry'd them thole Herefers, with a total Interruption of Such a Mixuwe of Opinions, with a total Interruption of Patterns forectimes for feveral Years together, excellent that Partingging's for a Specimen wheten's we fluid add their Manner of ciclebrating the Bocharift. Over the Altar was a kind of Tribune or Galley; and while the Friedl was faying the Beginning of the Office De-on, a Carlos of Former of Rice was triping in Oil on Butter to, a Carlos of Former of Rice was triping in Oil on Butter

low, a Cake of Flower of Rice was śrying in Oli or Buser above. When encopyl, the Cake was it down in a Bustrabove. When encopyl, the Cake was it down in a Bustrabove. When encopy and the Cake Stocks, for Wise, they sit is kind of Brandy remailly perspected in that Comray. Now was their Ordanican most megalir 4 the Archidecton, who was forecliness more recipited above the Hirton jamelife, rejected above the recipited above the recipited above the recipited above the recipitation of the recipitation of the Cake Stocks which was a support to the Cake Stocks and the Cake Stocks and Stocks Power therein: To this End they have sailf the Towners Bildney to the Concella to Go, have influenced. charg'd

charged them, &c. and have even fent them for instruction to Paringal and Rome: But they were still apr to relapse at their Return; to that finding no Good was like to be done with them, they refer to exclude them once for all, and to appoint an European Billiop in their Room. These Proceedings have rendered the Paringange infinitely colling to the Company.

ous to the Thameans.

odious to the Thomseast.

The Perion who contributed most to the Resear, is Dous Prey Messy de Menesles, Archbilhop of Gos, who governing the Two grounds facilities for some time, in defect of a Vice roy, took that Occasion to call a Sysood in the Village of Dismiter, where Abundance of Regulations were made, Diamper, where Abandance of Regulations were made, and the Thomeson united to the Roman Church: He was feconded by the Jefuits.

After the Death of the Archbishop, a great Part of the Thomson Church relaps'd, and thus still continues; partly

Thomas Charle reapys, and tous in common the Remon, party Temmens.

THOMISM, or THOMASM, the Dockrise of S. Thomas THOMISM, or THOMASM, the Production of S. Thomas Amunine, and his Followers the Thomasty, chiefly with Repart to Predefination and Grace. See THOMAST, chiefly with Repart to Predefination and Grace. See THOMASM, the Production of S. Thomas are other Authors who diffinguish the Thomasm, see Thomasmica.

are other Authors who diffinguilt the Themissa of S. Tho-mest, from that of the Dominicans. See Dominicans. So. Others again make Themissa no other than a kind of Jankenism diquisid's just Jankenism we know has been con-demnd by the Pope, which pure Themissa new was. See

JANSENISM.

JAMESIANS.
In effect, the Wirings of Alleures and Lenton, who were expediented by their Order to by down and defend before the expediented by their Order to be down and their beam to be the product he Ruise of pare Thoughe.
The modern School has showdood many ancient Through.
The modern School has showdood many ancient Through a work Scientiness and Experience appeared to discusse and support the production of the Parish which the production of the Through the Through the Production of t the Pope has forbid being centur'd.

The Ybomifin allow'd, is that of Alvarrev and Lemos: Those two Authors diffinguish four Classes of Ybomifis: The first

two Authors distinguish sour Clastics of Y Domnits: The hett, which they reject, dictives or askes away Liberty; the fecond and third don't differ from Abbins. See MOLINISTS.

The last, which Abbance unbeaccs, admiss 3 Physical Premotion, or Predetermination, which is a Compliment of the achieve Down, whereby it pastes from the first Act to the fecond; that is, from complest and next Power to Action,

See PREDETERMINATION:

SCE PERFYTAMINATION:
This Premotion they hold is offer'd in fufficient Grace 1 Sufficient Grace is given to all Men; and they have a complext, independent, next Puwer not to set, and even to reject the mod efficacious Grace. See Sufficiently and Ga Act.
THOMISTS, a Sect of School Divines, who maintain Thomajin. See School and Thomasin; and the Them of the School Chile.

THORACIC, in Anatomy, an Epither given to two Branches of the Axillary Artery, on Account of their con-veying the Bloud into fome Parts of the Thorax. See

THORAK.

The Thoracie Arteries are diffinguished by upper and lower. There are likewife Thoracie Veins, an upper and

Jones. There are likewife Therein Visit, an tipher and mader, for the Reconveyance of the Blood from the Thorax to the Axillary Vein. See Axillary.

THORACLE DOM, or Duthus THORACLE US Conflictus, is a little Canal arting from, or rather a Continuation of, the Exit or Month of the Receptaculum Chyli. See Recar-

Takes.

In mounts all along the Thorax, whence it takes it Nance, and ends in the left Sudedavian Vein.

In its Progrest from the Thorax, it is fundified with a progrest Integrated from the Thorax, and the progrest Integrated from the Members of Their of the Way it devariates, but foo makes again. Do. Drake observes, that it has Valves in direct Places of its That's, Education by Sudedavian the Use in our Copy and Lympha from the Receptaculum into the Sudedavian the Copy and Lympha from the Receptaculum into the Sudedavian the Copy and C

the Heart. See CHYLE.
It is formetimes call'd Pacquest Duft, or Duftus Pecquetieus, from M. Pecques, the first Discoverer thereof. See
Property Duct.

Process's Dorr.
THORAX, in Anatomy, that Part of the human Body
which forms the Capacity of the Breat, and wherein are
THORAX, and Anatomy, the Breat, and wherein are
all as bounded also ply the Clavides, and at Bottom by
the Cartillege Nifebroides, and the Diaphragen.
In fore Part is call'd the Surroum on Breat Boars; its
fine Parts, the Ople, or Rules; its bland Part are the object
Dorph, and the Verrother, with the Completes. One Kins,

STERNUM, &c.
The Thorax is also call'd the second or middle Venter, and popularly the Cheft. See VENTER.

Befide the Heart and Lungs, the Therax likewife contains the afcending Gava, the Aorta, the pulmonary Vein and Artery, the I rackea, Octobagous, 156.
"Its lind within-fide with a Membrane call'd the Pheura, and divided in the Middle by another call'd the Mediaffinans."

and divided in the Middle by another use a See PLEUKA and MEDIASTINUM.

See PLEUKA and MEDIASTINUM.

It has its Name from the Grook, Sopor, faire, to leap;

the Heart, contain'd therein, makes a continual to the second of the

by Reason the Heart, contain'd therein, makes a continual Motion. Galen calls it Cythera, and says it contains the

Fars that excite to lore.

THOROUGH-28ft, in Musse, is that which goes quite through the Composition. See Basts.

THOROUGH, Scattered, a governed Name for all the Ideas contequent on the Operations of the Mind, and even the Operation of the Operation of the Mind, and even the Operation of the Operation of the Mind and Operation of the Operation of the Mind and Operation of the Operation of the Mind and Operation of the Mind and Operation of the Mind and Operation of the Operation of the Mind and Operation of the Opera

of what we include in the Idea of an extended Sublimer, a most that wherever belongs to Body, may be dowed to be made that wherever belongs to Body, may be dowed to the control of the Idea of the Id

of the Mind. See Sour.
THOUSAND, See NUMERATION.

THOUSAND, SEC NUMERATION.
THOUSAND FORT REIGHT, SEC MILLENNIUM.
THRASHING, or THRESHING, in Aggiculture, the
Act of bearing the Corn out of the Ears. Sec Con. N.
Thrashing is perfound two Ways or tather there are
two Ways of feparating Corn from the Ear; the first by
beating, it with a Flail, which is properly what we call

Thrasbing. Some Authors will not by any means we should call this

Some Anthern will not by say means we floudd call that by the Ramow Name rivines or intrastis, but figurations of figuration, a Scourge or Fail.

The property of the first property of the first property of the Ramow Name of th the Shock

King Athelfton, Anno 923, gave by Charter to Sir John of Browney's Church, four Throws of Corn for every Plough Land in the East Riding of Torkfore.

Ta for Threve be Heven King Of Ilka Plough of Est Riding. [ G g g ] See PETER-CORN

THREE.

THREE-Legged Staff, an inframent confilting of three Wooden Legs, made with Jones, fo to that all together, and to take off in the Middle, for the better Carriage; and usually having on its Top a Ball and Socket, ferving to fupport and adjust Inframents for Aftronomy, Surveying, see See Balt, and Socwer.

See BALL and SOCKET. THRENGUS, in our ancient Customs. See DRENCHES.

THERNOUS, nor nour ancient Cuttoms. See DRENGERS.
Quis cure news at solue templore Regis Williamis Milies
is in Anglia, fed Thronges; pracepts Rese ut de cit Milites
ferent ad definendamis terrans: feut ausem Lanfpraces
Thronges, fines Milites, &c. Somn. Gavelk.
They were, Vafish, bat not of the lowest Degree of those
who held Lands of the chief Lord.

The Name was imposed by the Conqueror; for when one Edwayn Sharnhourn of Norfolk, and others, were ejected out of their Lands; they complained to the Conqueror; infilting, that they were always on his Side, and never opport him: which, upon Enquiry, be found to be true; and therefore he commanded that every one fhould be reflored to their Lands, and for ever after be call d Drenches. Spelm. THRENODY, THRENODIA, a mournful, or Funeral

Song, See Funenal.

Song, See Funenal.

THROAT, the Part of an Animal between the Head and the Shoulders, wherein is the Gullet. See Gullet.

Flydicians include under the Word Y Brass, all that Hellow or Cavity which may be feen when the Month is wide

It is fometimes also call'd Istimus, by Reason it is narrow, and bears some Resemblance to those Streights call'd by the Geographers Ifthmi. BROAT, in Architecture, Portification, & See Gonge

and Gula.

THRONE, from the Greek 32000, a magnificent Seat or Chair; is a Royal Seat, inrich'd with Omanments of Architechner and Scalptare, made of fome precious Matter, rait'd on feveral Steps, and corer'd with a kind of Canopy. Such 2s are in the Rooms of Andience of Kings and other

THROWS of Women, the Pains of Child-Birth. See DELIVERY, &C

THROWSTER, one who throws, i. e. winds or rolls Sec SILK. THUNDER, a Noise in the lowest Region of the Air, excited by a sudden kindling of sulphurous Exhalations.

excited by a fielden hindling of fulpharious Enhalations. See Ans., Armostransa, Rastanti-rouss, 50°C angress, Robanit, and other Authors, both ancient and modern, account for Tometr, by Ingruding rou Clieden and the Company of the

Extremities of the two Clouds is fajected out, and lexers Room for the Extremity of the upper Could to diet diplay upon the under. The proper could be compared to the proper could be compared to the country of the country of Palling, in condense that Noline would primary to the or Palling, in condense that Noline would Paulars. See Covers, effect, part the country of the Placemona of Thomator, But the country of the Placemona of Thomator, the country of the Placemona of the Placemona of Thomator, the country of the Placemona of the Placemona of the "There are Placemona of Austra Platinians."

ton, always afcending into the Air when the Earth is dry a

"mm, alsays aiceding into the Air when the Earth is dry; where elsey freme with the nitrout Acid, and intensities where they freme with the nitrout Acid, and intensities are also Echalization carryl off from Water, Ger, there are also Echalization carryl off from Supher, Binners, for the state of the Carryland Carr

Now, the Effects of Thunder are to like those of fir'd

Now, the Effechs of Thumber are to like those of stife Gongowder, that De Wolfst thinks we need not fringle to after them to the three Lines Chairs in the control of the Chairs of the Chair of the Chairs of the Chairs of the Chair of the Chairs of the Chair of the C two Phenomena of Thunder; as in the firing of Gunpowder: and being once kindled, it will run from Place to Place, this Way or that, as the Exhalations happen to lead it; as in a Train of Gunpowder.

This Explosion, if high in the Air, and remote from as, will do no Mitchiel; but if near us, may deftroy Three, Air-man, Sc., as Gampouler would do not his Crumillance. This Nearms for Exmess may be efficiently be loserval of Time between the Platth and the Noise 1: In, Platin excellent the Platth and the Noise 1: In, Platin excellent the Platth and the Noise 1: In, Platin excellent the Noise In Platin and the Noise 1: In, Platin excellent the Platin and the Noise 1: In, Platin excellent the Platin and the Noise 1: In Platin and the Noise 1: In Platin and Platin In Plat the Explosion very near us, and even among us. And in such Cafes, the Revd. Doctor affures us, he has more than once foretold the Mischiefs that befell.

once forctold the Mifeibiet that belent, Upon the whole, that there is in Lightening a fulphurous Vapour, appears from the Sulphur which attends it, and from the fultry Heat in the Air which ufually precedes it; and that there is a nirrow Vapour along with it, the fame Author con-cludes hence, that we know of 10 cother Body fo liable to a fudcludes hence, that we know of to other boay to liable to a stack den and violent Explotion. And as to the kinding of their Materials, we know that a Mixture of Sulphur and Steel Filings, with a little Water, will break forth into actual Flame. Nothing therefore is wasning to the Explotion, but there was the state of the state of the state of the state of the but there shall be found to the little with the locker does not doubt, but there shall be found to the state, the locker does not doubt, but there shall be found to the state, the locker does not doubt, but there shall be found to the state, the locker does not doubt, but there shall be found to the state, the locker does not doubt, but there shall be found to the state, the locker does not doubt, but there shall be found to the state, the locker does not doubt, but there shall be found to the state, the locker does not doubt, but there shall be found to the state, the locker does not doubt, but there shall be found to the state, the locker does not doubt, but there shall be found to the state of the

See PYRITES.

That Rartling in the Noife of Thunder, which maket it feem as if it pass'd thro' Arches, or were broken variously, is doubtless owing to the Sound being excited among Glouds Is doubters owing to me cound being excited among Clouds hanging over one another, and the agitated Air pating between them. See Lightenium. THUNDER Bail It have we call Lightning, act with extraordinary Violence, and break or flatter any ching; it is called a Thunder-dair, which the People, to fir it frage Effects, suppose to be a hard Body, and even a Stone. See

LIGHTENING. LIGHTENING.

But that we need not have recourfe to a hard folid Body to account for the Effects commonly attributed to the Thunderbedt, will be evident to any ore, who confiders those of Palvis Fulminans, &c. of Gnn-powder. See Fulminans.

Fulminans, E.C. of Gan-powder. See Fulminans, E. offenemend of the Thunder-John are, that it oftened flikes on high Places than on low: That it frequently hums Peoples Closths, without touching their Bodies: That it fometimes breaks their Bone, without hurring their Fiells. or their Cloaths; that it has even melted the Sword without touching the Scabbard, &c.

or their commer, that is not even unless the Swed surface of their colors, that is not even the colors, Table of the Cook, our of which the Lightening dates: As to the ref, fines Eshablasis may be very different from one another; howe, e.g.; coming north the Nature of Sulphan, and the colors of the contrary, lo fabrile and peretraints, as to come was the first fine found and ethers, on the contrary, lo fabrile and peretraints, as to come was the face fine fine of the contrary, lo fabrile and peretraints, as to come was the Ended, and offend with the first fine fine fine first first fine fine first first fine first first fine first fine first first fine first first fine first fine first first fine first first fine first first fine first first first first first fine first is diffigated e'er it arrive at the Earth: And that the Air being violently driven along by the impetuous Motion of the Flame, and of confequence exceedingly condenied, become a kind of hard Body, capable of producing terrible Effects. Flaces flreck with 'Thumber-loits, were held Sacred among the Ancients. Negidius has a very curious Treatile in the Thumber loid.

on the Thunder-bolt. on the Thunder-west.

Marselius Ficient, and fome others, maintain, that Coral
diffusers panic Fears, and keeps off Thunder-bolts and Hail:

Fortunat. Licetus has endeavourd to account for in phylically,

F. le Brun proves very easily, that those Philosophers are

mittaken.

On Medals, the Themeler-holt is fometimes found to accompany the Emperors Heads; as that of Angolfut, In which Cafe, it is a Mark of Soveraignty, and of a Power equal with the Gods. mistaken

Appien informs us, that the Thunder-bolt was the principal Divinity of Solomia; adding, that it was adored even in bis Time, with various Hymns and Ceremonics. See Gon.

THURSDAY, See WEEK.

Mannday Thursday. See Mannay Thursday.
THYMUS, in Anatomy, a conglobate Gland, fituated in
the upper Pare of the Tborax, under the Clavicule, where
the Cava and Aorta divide into the Subclavian Branches.

Oct GLAND.

This Gland is big in Infants, but as they grow in Age, is grows left; its Arteries and Veins are Branches of the Cartotides and Jugulars. It has Nerves from the Par Vagum and its Lymphatick Vessels discharge themselves into the Duchur Thoracious. the

Duchus Thoracions.
The learned In-Tyfaur fupposes the Use of this Gland to
be for a Diverticulam to the Chyle in the Thoracick Duck
of a Fertas, whose Secuands being always full of the Liquor
in which it risms, maft keep the Thoracick Duck dittended
with Chyle; because the Blood which the Fertus receives
from the Mother, fills the Veins, and hinders the free
terrance of the Chyle iron the Subdelviam Veins, Set Toxtw. M. Cossission observes, that where the Thymns in Men is very small, the Thyroid Glands encrease proportionably; but in such Brutes as have fallen under his Observation, it is just

the contrary 3 from which he is inclined to believe that they belong to the fame Lymphatics, and that either of them encreasing as much as both ought to do, if both encreased, encreating as nuces as both ought to do, i note indetextual, and with the Richina and the the Richina Both as both did; and that the Richina Bothes, is, because the base of their Thoras affords environment Room for it to lodge in and that in Men, the Reafon why the Thyroid Glands encreafe for much, is, because the responsibility of the Reafon why the Thyroid Glands encreafe for much, is, because there is no Room in that part of the Thorax where the Thymus is feared, for a large Gland to be lodged.

The Thyroin is that, which in a Breatl of Vecil we call

the Sweat Bread

the Sweat-Bread.

THYMUS, in Medicine, is used for a kind of Wen, growing on the natural Parts, the Fundancen, and several other Places of the Body, with clovera Aspertics like those of the Herb Tsyme, where its Name. See Wux.

The ordinary Method of curing a Tsymus, is by Ligature and deficiative Lorious, or by Causificia, and if large, by the company of the Comp

and deficeative Lotions, or by Caustic's; and if large, by Incition; taking Care first to secure the greater Vessels by

insides, taking Care first to Secure the "generate Vessilis by "TATHERGARET-ENOLDERUS, in anatomy, a birst of Markes, fissues moder the Carelago Thyresides; from the force and base Tree's which, it stills own in vehicle to the control of the cont

They receive Nerves from the Recurrents, Arteries from the Carotides, Veins which pass to the Jagalars, and Lymphaticks, which discharge themselves into the Thoracic Duch.

Their Use is to separate a viscid Moisture, serving to line, and lubricate the Larynx, to facilitate the Motion of its Cartilages, to soften the Arrimony of the Saliva, and to

THYROIDES, in Anatomy, one of the five Cartinages the Laying. See LARYNE.

The first, and biggest of the Cartilages of the Laryne which

The Inti, and biggett of the Carriages or the Laryux is earli? \*\* \*\*Private or \*\*Carriages or the Laryux is earli? \*\* \*\*Private or \*\*Carriages or \*\*Carria ally pareed by a Line running along the middle, a whence form make two offit, the in reality is very rare its formed adouble. It is near a Square; and at each Angle is a Process: The two uppermoit are the longest, and tie it by means of a ner-vous Ligamers to the OB Hyuides: The two lower, and fineter, connect it to the feeced Carilage, call of Creichte. The Word is form d from the Greek, Supik, Buckler, and

THYRSUS, in Antiquity, the Scepter which the ancient THYRSUS, in Antiquity, the Scepter which the ancient Poets put in the Hand of Bacebus, and wherewith they formith the Menades in their Bacebandia. See Baccha-

furning the comments of the control 
THUS. See Fannanceisser.

Hence it wis alterwards bore in the Pealts and Stevenesco or THUMMIN, in the Striptore Learning. See Urans and the THUMMIN, in the Striptore Learning. See Urans and the Cody, and as the Sarpa, who were Martine's Science a Custom the Cody, and the Cody of t nce it was afterwards bore in the Featts and Szerifices of

The Word is form'd from the Greek, Super's, Haffalle Front workin, Empiricy the Bene ching to e. Halique Sementine the section Training to the Ching to a Halique Sementine to seaton Training Court Hand Head; and which the Amenicans, and Kings of Themats Hill wear on Madala; theft link, becamb descended from the Training or Madala; theft link, becamb descended from the Training or Classification of the Ching of the Training of the Ching of the 

and dozens, Themat, the will given the Kings of Parella, who, decletch, beyond it from the Parella of the Papella of the Papel of a Mone, from that it was need not ylard was cauld off a Mone, from that it was need not ylard was cauld forestimate in from a Alfall Mone. From where where they find, it appears, what there were from our former's and, different Fernes of Ylard's and, different Fernes of Money's and, of the Park State of Tenant and the Name of the Papel Neight Coowns 1. The Name of the Name of the Papel Registry the Thirst of his Civil Kenk, and the Keye of his particularly the Thirst of his Civil Kenk, and the Keye of his particular to 10 to

FIRULA.

terring to technicate a mail side-motion in the Arne, Her thole in the Articulation of the lower Jaw. The Stune's rective the two Prosuberances of the Fermin, or Thigh-bone, and the Production which is between the Sinus's of the Tibia, is received into the Sinus, which divides thefe-two Protuberances of the Fourt. See Fahm's.

two frotuberances of the Femur. See Farers.

By bending the Knee, we bring the Leg, in walking, in a

first Line forwards; which we could not have done without
this Articulation; the tilke those who have the Misfortane to

have a wooden Leg, we must have brought our Foor about in

a Semi-circle, in going even upon a Plain, but more evidently

arm an A Gere.

upon an Afcent. On the Side of this upper End, it has a finall Knob, which is received into a finall Sinus of the Fibula, and on its Foregraf, a little below the Patella, it has another into which the Tendons of the Extendors of the Leg, are inferred. See

Its lower Extremity, which is much fmaller than its upper, has a remarkable Process, which forms the inner Ankle; and a pretty large Sinus, divided in the Middle by a fmall Protubecause; the Sinus receives the convex Head of the Aftragalus, and the Protuberance is received into the Sinus, in the convex Head of the fame Bone.

It has another fhallow Sings in the Side of its lower End,

which receives the Fibula

Mr. Chefet,ten gives an Instance of a Boy of Seven Years of Mr. Delfelden gives an Inflance of a Boy of Seven Years of Age, where both the Epiphysis at the upper End of the Third, were fo far Reparated, that not more than Half each Third was joined to Half the Epiphysis, which made his Legs wholly wields. This had been occosioned, by the Nurfe's bodding him our to Stool by the Heels and Back, when very youngs, which is among them (as he observes) too common a Practice.

TIBIALIS or Traines, in Anatomy, a Name given tw Muscles of the Leg , diffinguish'd by Antions and Positions. Mulcies of the Leg<sub>3</sub> diffitinguilfied by dentent and Paffetts. The Tribiat's Amtetas, figures from the exterior Process of the Tribiat's Amtetas, figures from the catterior Process of the Tribia, and becoming gradually broad and fielt's palout in middle of the Tribia, down the Fore-part of which it runs, is contracted again, into a funder, funder. Tendons, which paffet make the Lagoneeum Amaslar, and is partly inferred to the Consideration Misjon, and partly to the Bone of the Metter Consideration and partly on the Bone of the Metter Specimen Specimen and Processing Specimens.

Foot up. Tibialis Palicus, is derived from both Boxes of the Tibia, and from the Ligament that bends them together; and russ with a fmooth, firong Tendom through the Sinus on the inner Malleolus, under the Annular Ligament, to the Infide of the Os Naviculare.

Its Office is to draw the Foot inwards. From the Ufe Sailors

IS Obscis to draw the Poot inwards. From the Obscisions inske of it in Sailing, it is alfo called the Naurieut.

TICHONIC System or Hypathyfis. See Tvenonic.

TIPES, Two periodical Motions of the Waters of the Ses, call'd the Haw and Reflux; or the Elb and Flow. See Sea,

FLUX, Els., Ec. When the Motion of the Water is against the Wind, 'tis call'd a Windexer'd Tide; when Wind and Tide go the time Way, Lecuser'd Tide: When it runs very strong, 'tis a Tide-

gotte. The it were or the into any Place. It to go is with the Yake, either Bob or Bod, at many shart full of the with the Yake, either Bob or Bod, at Many shart full of the year of the Hard For the state of the Yake and thus to first again with the Recurso of the full Yake, and thus to first again with the Recurso of the Hard Yake, where the Yake was the Yake and Yake

Three, If it has an even toget, usey tay it that many I file and Helf-quarter.

When the Moon is in the First and Third Quarter, i.e. when she is New and Full, the Tides are High and Swift, and called Spring Tides; when she is in the second and last Quarter, the Tides are lower and shower, and call'd Newy

Quarter, the Tides are Tides. See NEAP, Oc.

### Phenomena of the Tipus,

The Sea is observed to flow, for certain Hours, from South to-wards North; in which Motion, or Flux, which lasts about Six Hours, the Sea gradually fwells; so that entering the Mouths of Rivers, it drives back the River-waters towards their Heads

Hours, the See gradually feedle; is that entering the Menths of Kleen, in drive tack the Rive was mourist that Heads of Kleen, in the tack the Rive was mourist that Heads and Allers continual Hus of St. Hours, the See firms nor off fee about Quarter of an Houry after which it belons to sold the which Time, the Water finding, the Rivers refunes their seasons Court. After a feeding Physics of Queen of an Hour of the Water finding, the Rivers refunes their seasons Court. After a feeding Physics of Queen of an Hour of the Water finding, the Rivers refunes their seasons Court. The Menths of See and Hour of the Water finding the Rivers refunes the water finding the Rivers refunes the Court of the Water finding the Rivers refunes the Rivers of the Water finding the Rivers refunes the Rivers of the Water finding the Rivers R

These Phanomena of the Tides are admirably accounted for, from the Principle of Gravitation. All we require to

their Solution, is, that the Earth and Moon, and every Particle thereof, mutually gravitate towards each other; the Reafonablenels of which Affumption, fee under the Article

Recfombient of which Allumpion, we under the Article RAVITATION.

Indeed the figurious Keffer long ago, conjictured this no Lander of the State Conference of the Money, Italy and the Money Italy Conference of the Money Attention extends to under Barth, and draws up "the Water." Thus thought Keffer in his Internal ArTher. Address the State Conference of the Money Attention, for it was then money, it may be the Many verified, in the following Theory, declared by the Intelley State the Newmont Principles.

### Theory of the Tides.

1° An the Surface of the Estrå and Sea is naturally globalizary if we find the first and sea is naturally globalizary if we find the sea of the Surface o

contequence will fixed in E.

For the flame Reafton the Water in G being the most remove
from the Moco, will gravitate towards the slame, rether than
any other Brat of the Earth or Sea in the Hentiffshere F.G.H.
The Water here, therefore, must approach lefs towards
the Moon, than any other Brat of the Globe, I. de in must be
raiki the contexty Way; as being lighter than ufual, and will
therefore fixed in G.

therefore fwell in U.

By this means, the Surface of the Ocean must neceffirily
form infelf into a Spheroidal, or Oval Figure, whose longer
Diameter is E. G.; is shorer F.H. And thus, the Moon
shifting her Position inher Diamal Mosion round the Earth; this Oval of Water must hist With her; by which means
are effected those two Floods and Ebbs, observable every

25 Hour

2º Since, in the Conjunctions and Oppositions of the Sun 2° Since, in the Conjunctions and Oppositions of the Osm con-figures with its Gravitation of the Water to the Sun con-fpires with its Gravitation towards the Moon; but in the Quadratures, the Water rais'd by the Sun is deprefa'd by the Moon : Hence it is that the Tises are greatest in the Syzygies, and leaft in the Quadratures

and leaft in the Quadratures.

In effect, there are two Tribet every natural Day, from the Afcinn of the Sun, as there are in the Lanar Day from that of the Mona; all govern'd by the fine Laws to Day those can'd by the Sun, are much left than those of the Mona; because though the Sun be Ten thousilized times begger than both the Earth and Mona, yet he is at 60 immontle a Diffusion, that the Earth a Sun-diffusioner the sun or Propertion

Hence, the different Tides depending on the particular Actions of the San and Moon are not diffinguished, but confounded. The Lunar Tide is formewhat changed by the Action of

cel. The Least Tie is finement changed by the African of the San 3 and this Change water every by by person of the Larquithy between the Normal and Lamar Day. See Day.

Least Larquithy between the Normal and Lamar Day. See Day.

Least Larquithy between the Normal and Lamar Day. See Day.

Least Larquithy larguithy l

be fixed therein.

"A" Since the Yalest are formewhat chang'd by the Libration of the Waters, which also retain a Motion imported on one the Waters, which also retain a Motion imported on the processing of the theory conjunction and Opposition of the Moon, but two or three Tries afterwards.

"Since the Son is formwhat nearby the Earth in Winter than in Summer; hence it is, that the greatell Equinocity after a conference to be a little before the Vermil Equinox,

and a little after the Autumnal one,

and a little atter the Autumnal one.

6. Since the greatest of the two Tiles happening in every Diurnal Revolution of the Moon, is that wherein the Moon is neatest the Zenith, or Nadit: For this Readon, while the Sun is in the Northern Signs, the greater of the two Diurnal Tiles in our Clinates, is that arising from the Moon above the Horizon; when the Sun is in the Southern Signs, the greatest is that arising from the Moon above the Horizon; when the Sun is in the Southern Signs, the greatest is that arising from the Moon below the Horizon.

riron.

7°. Such would the Tides regularly be, if the Earth were correct with Sea very decep; but by Reafon of the Shoul-nefs of fome Places, and the Narrownefs of the Straits in others, by which the Tides are propagated, there arise a great Diversity in the Effect, not to be accounted for, without an exact Knowledge of all the Circumitances of the Places; as the Polition of the Land, and the Beacht and

Depth of the Channels, (26: for a very flow and imperen-nile Melrino of the whole Roby of Water, where is it for Exemply two Mild edge, will finite to real first flowfare Exemply the Mild edge, will finite to real first flowfare of Water were to be conveyl upon a Channel of a Be-form deep, it would druptine a very gent Stream to cliebt, in 6 large ledes as are the Channel of England and the German Means, where the Zini is found to the Hongell in take? Hates where the Zini is found to the Hongell in take? Hates where the Zini gross narrowell, the finan Quan-erry Water being in that Cite to path that of a finally Pauling.

This is most evident in the Strairs between Portland and

This is most evicetis in the Strain between Partitions and the 4st 18 flogs, in Mortmenty, where the 12st runs like a Strain 18 flogs, and the 18 flogs of the 18 flogs of the if the 15st coming about the Illand did not clock it. And this Force being once impected upon the Warer, continues to curry it above the Level of the ordinary Height in the Ocean, particularly where the Warer meets a direct Oblacle, as it is in St. Affairs; and where it enters into a flags of the 18 flogs of the 18 flogs of the 18 flogs of the little at 18 flogs of the 18 flogs of thrait at its Extremity, as it is in the Severn-Sea at Chepflow

and Briftel.

and Bright.

This Shoalnes of the Sea, and the innercurrent Conti-nents, are the Reation that in the open Ocean, high Water is not at the Time of the Moon's Appelle to the differdian, but always fome Hours after it, as it is observed upon all the Welf Gaal of Europe and Affices, from Irelast to the Cept of Gasd Hope; in all which a Sount-Welf Moon makes high Water; and the fame is reported to be on the Welf of

high Water, and the finne is reported to be on the Well of I would be entitle to recent at the particult Scheimer, which are erif. Condinate from this DeCtrie: as, why the Lakes and San, fuls a the Erglies See, and the Met Lakes and San, full as the Grigor See, and the Met Coten, can nother increase of entitle the Water See and the Coten, can not mirror increase of entitle the Water See and the Coten, can not mirror increase of entitle the water, cancor in a few Hoster Time receive and enough Water counds to read a few Hoster Time receive and enough Water counds to raise the Met See and the Water Counds for mit their durface any thing feetbly.

Example of the Time See any thing feetbly, the Cound of the Coten, and the Coten, which are to extraordinary, and different from all others we be a feet to the Coten of t

The Caufe of this odd Appearance is propos'd by Sit Hase Newson to arife from the Concurrence of two Tides, the Jian Normen to artic from the Consurrence of vio Titoli, the one propagated in its Hown out of the piez Anoth-Mot along the Cauli of China; the other out of the Indian Son from Mullers and Gombings. The one of their Titols being pre-duced in North Lastrade, is, as bath bean field, greater when the Mone beings no the North of the Estings re-duced in North Lastrade, is, as bath bean field, greater when the Mone being no the North of the Equator, is above when the Mone being to the North of the Equator, is above other of them, which is propagated from the Endian Sea, being resid the South Lastrade, in greater, when the Mone declinings to the South is above the Earth, and left when the south of the Money and the Money and the Money and the South Money and the Mone declining to the South is above the Earth, and left when the and lefth, there come shapes facelitively two of the greater, and two of the lefter together every Day, and the greater, and two of the lefter together every Day, and the practice of the control of the left together every Day, and the practice of the control of the two lefter Phoods: And the Moon coming to the Arrival of the two lefter Phoods: And the Moon coming to the Arrival of the two lefter Phoods: And the Moon coming to the Phoods of the Control 
Metals,

If the Chief and Baie be of the fame Colour when di-vided by a Feffe, they blazon it by expressing the Colour, and meetioning the Feffe 5, otherwise, they say it is Tierce on fisses, and meetion each of the Colours 5 or Tierce on pal, it for divided in Fale.

if to divided in Tale,

Tierce, or Tract, is also a Measure of liquid Things,

as Wire, Oil, &c. containing the third Part of a Pipe, or

44 Galloca. See Mrarure, Gallon, &c.

Tierce, in Music. See Thirdy.

Tierce, Totee, a Sequence of three Cards of the fame
Colour See Sequence.

Tiener, There, a Sequence of three Cards of the fame Colors, See Superson See Greats. Tiener Order, See Truns Order, Tiele, in Architecture, a Frond Term for the Staff or Trule, in Architecture, a Frond Term for the Staff or Trule, See Truns, Order, Trule, See Truns, Order, See Truns, Trule, See Truns, and Thomas or the Staff or Trule, See Truns, and Thomas or Truns, and Trule, See Truns, and Thomas or Trule, and Trule, and Trule, and Thomas or Trule, and Trule, and Trule, and Thomas or Trule, and Trule, and Trule, and Trule, and Trule, and the the Radder, See Ryunna.

Heim in a Bott.

TILLAING, in Gradening and Agriculture, a moving or

TILLAING, in Gradening and Agriculture, a moving or

TILLAING, in Gradening and Agriculture, a moving or

makes the lower and upper Parts chapped Place; by which

makes the lower and upper Parts chapped Place; by which

makes the lower and upper Parts chapped Place; by which

in feeding III Rann, See Earth in kept from being four

the Parts of Condensing in general, is, than the and

of PEART, Rould be #127 in Summer, cattler a little before,

or being the parts of the parts of the parts of the parts

left search (loss after the for monit, coff, and through

the search (loss after the for monit, coff, and through

the search (loss after the for monit coff, and through

the search (loss after the for monit coff, and through

the search (loss after the for monit coff, and through

the search (loss after the for monit coff, and through

the search (loss after the for monit coff, and through

the search (loss after the for monit coff, and through

the search (loss after the for monit coff, and through

the search (loss after the form the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (loss after the form)

the search (

Summer, and at Seco a time, for Yuncar 3 and rose a sume for Barley.

The Barley of the State of

TILT. See Journ and Tournaments, Carrousels and Quapril, Go.

and Oya max. 1, 55:

THE 17 May 1, there are "I will a 97% 1, i.e. Cloth, or THE 17 May 1, the control of Philogope Stable and Grandfall.

THE 17 May 1, the control of Consideration of Consider

Timers may be refigred as Benefices among us, only obtaining the Confent of the Beglerbei, or Governor of the Province. Indeed, for Timers of above zono Alpers per Annum, call'd Zaim, the Grand Vizier alone grants Diffen

TIMARIOTS, those who enjoy Lands and Benefices on the Tenure and Condition of Timari. See Timar.

use a conte and Condition of I Intell. See I Intala.

The Timera are oblight for treve in War, perficulty,
The Timera are oblight for Gervice, as their Timer,
by the Kilimato and Intellect for Gervice, as their Timer,
by the Kilimato and Intellect for the Condition
or 11 Founds Streinling, and to mainsain theme concluding
mounted and arm'd, after their Manner, to be ready to
musels and Illorius when commanded and rathe or the
of Death is nothing, no even Sicknefs ittell, being allowed
Enfolt this, Service, how Heiseign near as Actionalsta.

Befold this, Service, how Heiseign near as Actionalsta.

to excute them.

Befide this Service, they likewife pay an Acknowledgment of one Tenth of their Revenue.— If they have any Children of Age to bear Arms, and fit for the Service, after their Decagle, or in Defeth heroof, if they have any Relations, that have the least lutereft; the Timer is well to be a considered to the theory of the them.

continu'd to them on the fame Conditions; otherwife, it is continue to traces ou successful and the Grand Signior exceed. If the Revenue this held of the Grand Signior exceed 15000 Afters, or 66 Founds Stetling, they who held it, are not call? Timeriett, but Subaff, or Zainets and have the Administration of Justice in the Place, under the Sangia cof

f Hhb7

The Timariers have different Appointments, from 4 or 5000 Alpers; equal to about 22 Pounds Sterling; to 20000 Afpers; But unless their Timar exceed 8000 Afpers, they are never oblight to march, except when the Grand Signior goes in the Atmy in Perfon; on which Occasion no

empted.

The Origin of the Timoriess is referr'd to the first Sultans, who being Matters of the Fiets or Lands of the Empire, erected them into Batonies or Commanderies; to reward the Services of their bravelt Soldiers; and especially to raise and keep on Foot a Number of Troops without disbursing

and Money.

But it was Solimon II. that first establish of the Order and Discipline among these Barons, or Knights of the Empire ; and by his Order it was, that the Number of Horsemen

each fhould maintain, was regulated.

This Body has always been not only exceedingly powerful,

but great and illustrious, throughout all the Empire: But Avarice, the ordinary Fault of the Orientals, has occasion'd

their Declention of late Years,

The Viceroya and Governors of Provinces manage their Marters fo at Coart, that Timers, even out of their Jurist diction, are given to their Donetheka, or to fach as will give the most Money for them.

There are two Kinds of Timerius 5; the one appointed. by the Porte, the other by the Viceroy of the Country: But the Revenues of both are lefs than those of the Zaims, and their Equipage and Tents lefs in Proportion. See Zaim.

Those who have their Patents from the Court, have from or 6000 Afpers, to 19999 Afpers per Annus ; if they have one Afper more, they become Zains. Those who receive their Patents from the Viceroys, have from 3 to 6000 Afpers

per Annam.

This Cavalry is better disciplin'd than that properly call'd the Spabis, the the Spabis be the neatest and briskest. These last only fight in Plattoons; whereas the Zaims and Timarius are divided into Regiments, and commanded by Colonels, under the Direction of Bashawa.

The Bashaw of Meppe, when in the Army, is Colonel General of this Militia.

General of this Millitia.

TIMBER, includes all Kinds of fell'd and feafon'd Woods, ur'd in the feveral Parts of Building; as Curpentry, Joinery, Tumery, Els. See Woon and BULDING.

The Kinds of Timber are numerous: We shall only mention fome of the most usual; from Evelyn's Sylve, &cc.

as, 1°, Ook; the Uses whereof need no enumerating: To endure all Seasons and Weathers, there is no Wood like it: Hence its USe in Fales, Shuggles, Polts, Rails, Boards, 6\*-. For Water-works it is second to none; and where it less expost both to Air and Water, there is none equal to

2°. Elm: This fell'd between November and February, is all Spine or Heart, and no Sap; and is of fingular Ufe in Places where it is always wer or dry. Its Toughnets likewife makes it of Ufe to Wheel-wrights, Mill-wrights, &c. noe must it be omitted, that its not being liable to break and fly in Chips, makes it fit for Dreffers and Planks to chop on. Beech: Its chief Use is in Turnery, Joinery, Up

49° Zhreb: Its chief Ule is in Tainety, Jonety, Ulyobilety, and the like, as being of a clean, white, fine Grain, not age to bend or file. Yet is it footenines, effective the contamination of the

Spikes, Sc. 5°. Fir; commonly known by the Name of Deal, is of late much un'd in Building, especially within Duors, for Stairs, Floors, Wainstor, and most Works of Orna-

ment. Walnut-Tree, is of univerfal Use 5 excepting for the 6. Malnut-Tree, is of univerfal Use 5 excepting for the Jointre Use 5 it being of a more curious brown Colour than Beech, and less than the colour than Beech, and less than Beech and Beec

is being of a more curious grown Colour than necen, and sets fully fet to Worms.

7°. Chefinat-Tree, next to Oak, is the Timber most fought for by Joiners and Carpenters: "Its very latting, 3°. Service-Tree, said in Joinery, as being of a delicate Grain, and fit for Cartiofities: It also yields Beams of confiderable Bignets for Building.

fiderable Bignets for Boilding,
9. Papler, Med, and Mps.,
differing very little from
one another, are much us'd of late instead of Fir: They
look as well, and are tougher and harder.
to. Mier; much us'd for Sewert or Pipes to convey Water. When always wet it grows hard like a Stone; but
where fometimes wet, and fometimes dry, it rots imme-

diately. Folling of Timber.

The Seafon usually commences about the End of April; in regard the Bark then generally rifes the freelieft; so that

where a Quantity of Timber is to be fell'd, the Statute requires it to be done then for the Advantage of Tanning. TANNING. However, the Opinions and Practices of Authors are very

different, as to the belt Scafon for felling Timber. Fitta-with recommends an Autumnal Fall; others advite December and January: Cato was of Opinoon, that Trees Boold have bore their Pruit e'er fell d; at tealt their Fruit flouid be fift tipe; which falls in with the Sentiment of Fittropius.

first ripe; which raus in with the Sentiment or PITTENNES. In effect, the Timber unbarked be mift obsoxious to Worms, yet we find the wild Oak, and many other Kinds, if felld too late, when the Sap begins to be proud, to be very subject to Worms; whereas, about Mid-Winter, it very subject to Worms; neither calts, rifes, nor twin

netter tasts, rist, not counted.

It were happy, therefore, it a Method of Tanning without Bath could be invented, that Trees being fell'd more cardy, the Timber might be the better fessiond.

And the tast of the tast of the tast of the tast of the Age of the Moon in the felling ther Uniter'; If their Rules avail ought, they are their: Fell Timber in the Wain, or four Days atter, new Moon: Some fay, let it be the last Quarter, Days areer new Moon: Some tay, let he be the last Quarter, Pling worders it to be in the very Article of the Change; which happening in the last Day of rice Winter Solities, the Timber, Jaya be, will be immorat, Calendide fays, from the 20th to the 28th Day. Cate, four Days after the Pall. Pigettins, from the 19th to the 23th for Ship Timber; a but never in the locareta, Pieces then abounding with Moi-liters, the only Source of Partifiction.

Some even have a Regard to the Temper and Time of the Day; the Wind to be low, neither East nor West; nei-ther in frosty, wet, nor dewy Weather; and therefore never

in the Foren

in the Forenoon.

Laftly, foune Regard is had to the Species: Fir is beft fell'd when it begins to firing; both as it then quite its Coat beft, and as the Wood, according to Theophrafus. Edn, that Means render'd wonderfully durable in Water. Elm, fays Mr. Worlisge, is to be fell'd between November and Ja-mary; in which Cafe it will be all Heart; at leaft, the Sap will be very inconfiderable: This, he adds, is the only

Sap will be very inconsiderable: This, he adds, is the only Scatom for telling Ath. Some Authors add further, that in felling Timber, Care is to be taken only to cut it into the Pith, and fo to let it fland till dry a by which Means the Mositure is evacuated in Drops, which would otherwife occasion Patrification.

# Seafoning of Timber.

After felling, and fawing it, fome advife it to be laid up very dry, in an airy Place, yet out of the Wind and Sun, at leaft free from any Extremities of either; And that it mayn't decay, bur dry evenly, they order it to be daub'd over with Cows Dung.

Tis not to frand upright, but to lie all along, one Piece

over another, only kept apart by fhort Blocks interpord, to prevent a certain Mouldiness, which they are apt to contract in Sweating on one another; from which frequently arties a kind of Fungus, especially if there be any lappy Farts re-

maining.

Others advise Boards, Planks, &c. to be laid in fome Pool, or running Stream for a few Days, to extract the Say from them, and afterwards to dry them in the San or Art. By this means, 'tis faid, they will be prevented from either charping, cathing, or cleaving; but against Brinking there is no Remedy. Mr. Evelyn particularly recommends this is no Remedy. Method for Fir.

Method for FIF.

Others again, are for burying them in the Earth; others in Wheat; and others for feorehing and feafoning them in Fire, effectially Piles, Polts, So, that are to fland either in Water or Earth.

Sir Hugh Platt informs us, that the Venetians burn and forch their Timber in the flaming Fire, continually turntog it round with an Engine, till it has got a hard, black, erufly Coal upon it.

### Preferring of Timber.

When Boards, &c. are dry'd, feafon'd, and fix'd in their Places, Care is to be taken to defend and preferre them a to which the finearing them with Linfeed Oil, Tar, or the

to which the functing them with Linfeed Oil, Tar, or the like Olosgious Matter, contributes much. The Ditab preferre their Gates, Portsullices, Draw-Beidges, Slicies, gle. by casting them over with a Mixture of Pirch and Tar, whereon they threw finall Pieces of Cockle and other Shells, braten almost to Powder, and mix'd with See Sa Sands, which incrusts and arms it wooderfully against

all Affaults of Wind and Weather all Affailur of Wind and Weather.

Timber felild before the Say is perficelly at reft, is very
fished to the Worms; to prevent, or care which, Mr. EugJrm gives us the following Secret, at mold approved. Put
common Salphur in a Cacumbit, with as much Aqua-fortis, as
will cover it there Fingers deep a diffill it on Dlymeli, which
is performed by two or three Rectifications. Lay the Sulphur remaining at Bottom on a Matble, or in a Glaß; and with the Oil it diffolves into, anoint the Tim-

Lady the suppose reducing it between on a Austrat, or in between the control of t

of Yamon-1760. See Shimkark, Pruning, Irans-Tanana, Medjere. Timber is utually meafurd and effi-manced by the Land or Tim; which is a fold Meniare con-taining a op Feet of round Limber, or 30 of hown Limber. The Decomination of Lead, 52, we tipupple arises hence, that and or 30 feet feet of lach Timber weight about a Tim, i. e. 20 mindred Weight, which is failing tocounted a

Cart Load.

19. For the Massiving of round Timber 5 the Practice is to gird the Tree about, to the Middle of the Length, and folding the Line twice, to take one Length or Quarter of the whole, and account that for the true Sidle of the Squares. Then, for the Length, 'is counted from the But-en off the Tree, for far up as the Tree will hold half a Fox Girt, as they call it; 1.6. to long as the Line, twice Folded, is half a

Foot.
The Dimensions that taken, the Quantity of Timber is had, either by multiplying the Side of the Square into infel, and that Product by the Length by the Methad of Gostow of the Control of Cont

UNTER'S Scale. Gune Tais & Selfe.

Or, better filling or Geographil's Silding Role, by ferring 12 on the Girt Line D. to one Longth in Fewer to the Line C. the Control of the Line C. the Control of the Line C. the Control of the Timber in Peets. One See Geographil's Stranson Rolls.

Note, 2. \*\* This Method of menting to count of the Control, in yet croncous; and the Control to other countrol, in yet croncous; and the Control to other countrol, in yet croncous; and the Control of th

the Ratio of 11 to 14. How to avoid this Error, and mea-fure it juffly, we have shown under the Use of Cogyoficil's

fare it justify, we mare means under the Stiding Rule.

2°, If the Tree have any great Boughs that are Timber, as the Phrale is, i.e. which will hold Foot girt, they are commonly measured, and added to the refit The Soldity of the whole being thus found, they divide it by 40, which

brings it into Loads. 3°. In measuring round Timber for Sale, they usually cast away an Inch out of the Square for the Bark, if Oak; so

ay. In mentuing round Timelre for Sale, they utally calt aways in Inch or of the Square for the Part, if Oak; is that a Tree to Inches Square, they only account as if 9; in that a Tree to Inches Square, they only account as if 9; in the Part of Part o

by Cosh Madipileation, Gamer's Sala, or the Siding Rafe, after the Mannet starty discitled. The Content divided by so, given the Number of Loads. Note, If the Thanker be unequally fided, this Method of metalizing it is erecover a lawys giving the Content more than the Turth, and the more to, as a Difference of the Sides is greater; yet Culton has audorità it. To mediute fach Trafest pully, a men Toventional thould be found between the unequal Sides ; and this Menn the second of the Sides of the Turther Turther Sides. For thinker of Lindon.

counted the Side of the Siquire.
For the macfairing of Labor Timber, 8cc. Timber of other
Forms, a Colok, Trifain, Pyramid, 8cc.; See the Methods
under the Article Strayton Ross.
Timman of Strin, is forey Stine. Hee Civitas (ft. Cebric)
mor reddator de Jaron S. Libras & res Timbros polition
Martenarum It. Labor, Conf.

Thomas, in Pilconey. To sinder, is to neille, or make a Neil, a Bind of Frey do. New York.

Theras of Equino, the Control of Explorer Control of Entine in Noblemena Coat. See Exemple.

TIMBRE, or THAMES, in Healthy, the Coff of an Armoury or where it is placed a top of the Equinosity of the Control of dillinguish the Degree of Nobility, other Exchainlie or Security. See Care 17.

Secular, Sec Ca. 827.
Such is the Papal Tisra, Cardinals Hat, the Croft, Mitre,
Coronic, Mortier; and particularly the Clarks or Helmets,
which the Anacients called more electivally Tembers, from their
refembling a kind of Bell without a Capper, which the
Presence call Vermer's go because they re-founded like thofe
Timbers when Brack. This is the Opinion of Leiflean, who
derives the Wood from the Latin, Turtumbalium. See
derives the Wood from the Latin, Turtumbalium.

TIME, a Succeffion of Phenomena in the Universe; or a Mode of Duration, mark'd by certain Periods and Measures; chiefly by the Motion and Revolution of the Sun. See

chiefly by the Motion Mone and Dungtion. Mone and Departon.
The Idea of Time in the General, Mr. Lack observes, we acquire by confidering any Part of infinite Duration, as fet out by periodical Mealures: The Idea of any periodical Time or Length of Duration, as a Day, an Hour, dev. we acquire fifth by observing certain Appearances at regular, and, forming-

by, equi-diffant Periods,

Now, by bring sible to repost those Lengths or Measures

of Time as often as we will, we can imagine Durarion, where

pothing really coduces or exists and thus we imagine to

nothing reality course to councy a superson to the form of the later School Philosophers define Time-to be the Duration of a Thing, whole Entitered is neither without Beginning nor Eady by which, Time is diffinguish? If from Eternity, See Enganger.

Eternity, See Evennity.

Apillales and the Periparticks, define it Numeras metes
formatum print of poperais; or a Multitude of transfero Parts
of Morion, faccocking each other, in a continual Flux, in the
relation of Priciny and Potteriority.

Hence it should follow, that I was it motion itself, or at

least the Duration of Motion, consider'd as Parts, fome whereof are continually fucceeding to others But on this Principle, Time, or temporal Duration, would not agree to Bodies at reft, which yet no Body will deny to exist in Time, or to endure for a Time.

earli in Trans, or to endure for a Time.
To even de lais fecureriance, the Epiterreest and Corpelialetiest made Time to be a fore of Flas, different from
Monton, conflitting of datalite Fars, contrasting and immeBernary, but others directly explode this Notion, as elfabilities are Enteral Belag, independent of God. For how
flouid there be a Flast, before any thing existed to flow?
And what the old at the Time, be, a Subfactor or an Accident?
Time may be diffinguilly a like Plans, into Afgliene and
Robbillow Time, Vitan conflicted in 1668, and the plans
Affoldor Time, to Vitan conflicted in 1668, and the plans
Affoldor Time, to Vitan conflicted in 1668, and the plans
Affoldor Time, to Vitan conflicted in 1668, and the plans

Time may be diffinguilly in 1668, and the plans

Time may be diffinguilly in 1668, and the plans

Time may be diffinguilly in 1668, and the plans

Time may be diffinguilly in 1668, and the plans

Time may be diffinguilly in 1668, and the plans

Time may be diffined to the plant of the plant of the plant

Time may be difficult to the plant of the plant of the plant

Time may be difficult to the plant of the plant

Time may be difficult to the plant of the plant of the plant

Time may be difficult to the plant of the plant of the plant

Time may be difficult to the plant of the plant of the plant of the plant

Time may be difficult to the plant of the plant of the plant of the plant

Time may be difficult to the plant of the p

Absolute Time, is Time confider'd in Itfelf, and without eny relation to Bodies or their Motions. This flows equally, i. c. never proceeds either fafter or flower a but glides on in a conflant, equable Tence

content, equapse a ener.

Relative or Apparent Time, is the feofible Measure of any
Duration, by means of Motion. For fince that equable Flux
of Time does not affect our Scales, nor is any way im-

Danatina, by missa of Motion. For finer the equalse Flux of Time does not still our Social, not it may not in fine of Time does not still our Social, not in any not income the first of th

by Motion; any conflant periodical Appearance in feemingly equidiffiant Spaces, as the irresing of Warer, the blowing of a Plant, &c. returning at the Periods, might do us well. In effect, Mr. Lock mentions an American People, who count

PERIODS. Some Authors diffinguish Time into Aftronomical and

Gips!.

Grati.

Airmonomical Time, is that taken purely from the Motion of the heavenly Bodies, without any other regards.

Credi Time, with former Time secommondate to Civil Ules; and form'd sod diffinguilt'd into Tears, Months, Days, Se. Sec Dax, Mostra, Wara, Yara, Ye.

In this Senfe, Time is the Sabyick of Chronology. See

In this Senfe, Tiwe is the Sabject of Chemology, See Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

Camonovan.

C

A Semi-breve, for Instance, is mark'd to be equal to two A Semi-breve, for Instance, is marked to be equal to two Minims, a Minim to two Corochest, a Corochet to two Quarers, foon, and full in a duplicate Ratio, i.e. in the Ratio of 2:1. Now, where the Norse reflect each other, thus, i.e. where they are in this Ratio; the Mufic is skid to be in Tupide, i.e. double on common Time.

When the feveral Norse are Triple each other, or in the

Ratio 3: 1 5 that is, when the Semi-breve is equal to three Minims, the Minim to three Crotchets, E.c. the Music is faid to be triple Time.

Now, to render this Part as fimple as possible, the Propor-

considered these are only to be some a results of the repor-tion and to expect the Proportion of \$1, 1, 8 - 10 min (2) is added on the right Side any Nore, which is deemed equivalent to Julif of 17 and 190 in mean a planted. Sensiblect O bea-lif of 17 and 190 in mean a planted. Sensiblect O bea-Form phone artic feveral other Harine conflicting, now Kinds of right Firm, as a 12 and 14, 45. For the Feb. March 190 in the position of the Proportion of the March 190 in the Proportion of the Proportion of the Trime of Nova, to stilled a Peeding, mult be food as are not difficulty precived, on which account, the coly Regular first Padas, belief the Telephing, we the Dundle

and Triple. Common or duple Time, is of two Species; the First, when every Measure is equal to a Semi-breve, or its Value in

when every Mesture is equal to a Semi-breve, or its Value in any Combination of Notes of a leftler Quantity. The Second, where every Bar is equal to a Minn, or its Value in leftler Notes. The Movements of this Kind of Messfare are various; but there are Three common Diffingli-ors; the fiftl flow, fignify'd at the beginning by the Mark C5; the second brief, signify'd by G; the third very quick, fignify'd by D.

figurified by D.

But where rish flow, brink and quock is, is very ancerezin,
and only to be lorms by brackine. The neutral fine was

known of, is to make a Quence the Lengther of Meditine we
know of, is to make a Quence the Lengther of the Palifie of a

Minim no four, and the whole Meditine of Steen-here on eight.

This may be reported the Meditine of Steen-here on eight,

This may be required the Meditine of Steen shows on the

fore, this along again, and the guide, and half as long,

The whole Meditine; then, of common Zian, is equal to
a Smith-tere or a Minimar But their are restroinly fash-divided

as Smith-tere or a Minimar But their are restroinly fash-divided

Now to be very the first secual, we make after a Medicine of

into Noces of kis Quantities. See Missavra.

Now to keep the Time copal, we make afte of a Moeion of
the Hand or Foot, thus: Knowing the true Time of a
Cotchet, we fluil tupnofe the Meafure or Bar actually falbdivided into Foot Crotchets for the first Species of common
Time; when the Half Meafure will be two Crotchets; therefore, the Hand or Foot being up, if we put it down with the very beginning of the first Note or Cootchet, and then raifed with the Third; and then down to begin the next Measure; this is call'd bearing of Time.

this is call'd beating of 'Time.

By Practice, we get a Habit of making this Motion very
equal, and confequently of dividing the Mesture or Bar into
equal Parts, up and down a sa allo of taking all the Notes
in the juft Proportion, to as to begin and end them precifely
with the beating. In the Mesture of two Creachers, we best
down the first, and the fecond up. Some call each Half of

their Years by the coming and going away of Birds. See the Meafure in common Time, a Time; and so they call this the Mode or Measure of 1000 Times, or the Dupla Menfare.

Again, fome mark the Meafare of two Crotchets with a 2 or 4, fignifying it to be equal to two Notes, whereof four make a Semi-breve; and fome mark it 4 for Quavers.

make a Semi-breve; and some mark it? for Quavers.
For Triple Times; for TRIPLE Times.
Time, in Fencing, There are three Kinds of Time; that
of the Sword; that of the Foot, and that of the whole Body.
All the Times; that are perceived out of their Measure, are only to be confider'd as Appeals or Feints, to deceive and amuse the Enemy.

Time in Grammar
Time in Mechanics
Periodical Time in Aftronomy
Equation of Time

Equation (Time)

Time-Keeper, or Time-Measure. See Chronometer. TIN, a whitiff Metal, fofter than Silver, yet much harder than Lead. See Metal.

than Load. See Marxa.

The Chymnik, See hold 'I'm an imperfied Metal, generated of two different Seeds, with that of Suiver and that of a contract of two different Seeds, with that of Suiver and that of a concedingly is in frequently found in Load and Stieve Mines.

The, however, hos allo in proper Mines, of which our Countes of Coronal and Timeophier are a abundant Explosive and an American Countes of Coronal and Timeophier are a abundant Explosive and Counter of Coronal and Timeophier and Counter of Coronal and Counter of Counter o

öyrnes and Calelon, Tris is call'd Bregensone; the Frincitive Worter's Britanciae of Britansia, Newton's Britansia, Sanciae Dritansia, Nascardo Dritansia, Sanciae Dritansia, Nascardo Dritansia, Sanciae D

would be found to other this filter.

Several Anthors had before noted a prect. Conformity, In Several Anthors had before noted a prect. Conformity, In Several Anthors had been several perman from a sign, nor complete, there it is care any sperantin from again, nor complete, the first because the sign of 
but that of Ym not without the laft Difficulty: If Ym sand Lead be mix'd by a vchement Fire, a vchement Collachtion enfues, and they both run into a Calx: Add, that Ym is easily revivified; just Lead with great Labour. See Lean, The Method of getting, preparing, &c. the Ym in the Conigh Mines, much the bett and most considerable in the

World; is given us in the Philosphical Transactions.

The working of the Tin-Mines is very hard and difficult; not only by reason of the great Depth which the Veins not only by reation of the great Depth which the Veins deferred or, even as it ow as go Farboni is but allo because the Rocks, through which Prefixes are frequently to be car, are Nor is the felf, thaking Earth found in the Tire Mines, much, lefs inconvenient to the Workmen is both by reation of feedl, multiparts Vapous it rehales, and of the Carrenso of Weer often mer withal therein i all thefe Diffarbantages regetter ranged; it impossibles for the Workmen to hold it shows ur Hours together.

room rooms together.

The mignest Stoons or Globe being dag and drawn out of
the Mine, is there brooks into Pieces with large Iron Malleroth
the Drooghe to a Stamping, Mill, where 'is fill Jouanded
finaller with Stampers, much like thole of Paper Mills;
and the Water paffing through it walkness way the earthy
Parts, leaving the Metallic core behind: The Lotion is repercent vision, on make the better desparation.

pearco twice, to make the better Separation.

This done, they dry is in a Furnace on Iron Places; and
grind it very fine in a Confing Mill; then wash it again; then
dry it: In this State, the metallic Matter is call'd Block, or
Black Tim.

Black 2 m.

To convert it into Tim, i.e. into cehite Tim, they carry it to a Farnace or blowing House; where, by means of a Charcoal Fire, kept up by huge Bellows world with the Water, it is melted; after it has paid all their Preparations, and is become cold, they forge it; which is the laft Thing dome to it in the Works.

The Drofs or Scorie fcurm'd off the Tin in Fution, being meited down with fresh Ore, runs into Metal; and even the Caufalty, i. e. the Matter wash'd and separated from the Metal in the Mill, being thrown up in Heaps, after from the Melai in the Mill, being thrown up in recape, since refting Six or Seven Yeas, they fetch it over again, and it yields as good Yin as any of that of Germany. The Workmen diffinguish feveral Kinds of Yin; as Meer-Yin, which is the belt Sort, a Fool whereof, weights 80

The Workmen dittinguith feveral Kinds of 11n3 as Mon-17n, which is the telf Sort, a Fool whereof, weights So Pounds; and Mon-17n, which is the next, a Fool increof weighing about 20 or 50 Pounds. The Ins got from the folf, gravelly Earth, they call Peyson I'm, to diffinguith it from that got from the Stone, which is better by almost Half.

Two Pounds of Mack I'm, when melled, yield about one of White.

of White.

There is a Curiofity in these Comis Mines, which the
Lover of Natural History will be pleas'd to hour; and 'tis
this: That in digging, at the Depth of 40 or 50 Fathoms,
they frequently meet with large Trees, this entire. See Sus-TERRANEQUE

TERRANSOUS.

Chilirys, in his Natural Hiltory, goes back as far as the Debuge to place them there; but without having recourfe to great Antiquity, they who believe that the Mines, when exhaulted of their Ore or Mineral Matter, renew and fall again in courfe of Time, will foon follow the Difficulty, by fuppoffies, that in the first Working of the Mines, where the course of the course of the Mines, the test of the course 
DELUGE. But there are other People will think this Renewal of the Mines title! a Difficulty as great as the former. However, what the former Author adds, vib. that in fome Places in the Mines, they likewife find Pick-axes, £5°, with woodenShafts, as also beats Nails, and even a Media! O'Domitian, Eems to

as allo brais Nais, and even a Media of *Daminan*, seems to countenance the Oginion. See Mine.

The Chymids cill *Tim*, *Jupies*: But from what Analogy between the Metal and the Planet, we leave them to explain.

See JUPITER

See JUNITER.

By the Analysis made of this Metal, they hold it compounded of Earth, Sulphun, a metallic Sale, and Mercury.

The chief chymical Preparations from Tm, are Salter Tm,
Flower of Tm, and Disphoretic of Tm.

Salter Tms, or of Tmther, is Tm calcined; and diffill d
Vinogar poar'd thereon; from which, by means of Fire, and
then of a cool Place wherein it is put, a very white Salt is

drawn. See SALT.

Flower of Tin, is a kind of white Cofmetic, or Paint or the Complexion; drawn with Sal Ammoniac, by means of Sublimation. See FLOWER.

Sublimation: See Frowers. and Regular of Autimory Displayment of This, is fine or The and Regular of Autimory Displayment of This, is fine or which Glavymers. Whence, after serious Latrices, is drawn a Powder, held to be fore-ring against various Difficials. Provider, present from Tip, Certify of Tins, is a white of Spacify Prime. This Certyl is not made with Vingers, as that of Lord its, but with the Urino of a young Perfor: The Powder is all and to colour Zipf-Wixer.

Cale of TIN, is what we properly call Becomicum Joviale. See BEZOARDICUM.

Tin of Glafs, is what we properly call Bifmuth. See For the use of Tin in the Composition of Pewter; for PEWTER.

## Method of Afforing Tan.

To find whether  $Z\bar{m}$  be for and dasilit, or barth and britis; these are we Kinds of Afflays, the Fifth, is by puring the  $V\bar{m}$  in a hos, but Muscia, and there entiring it. If the property of the state of the state of the state of the content of the state of t To find whether Tin be fost and ductile, or harsh and

fame. See Messyrauva and Dissoutivion.

Theorems is particularly applied to the EstraCton, or Separation and Particularly applied to the Cartaclion, or Separation and Cartaclion and Cart

EXTRACTION.

To make a Tincture, the Matter is usually bruifed, put in a Matrais, and the Mentruum, which commonly is

Spirit of Wine, poured on it, to the Height of two or three Fingers above it. Then the Glass is closed, and for for Engelti-on, in a Sand Heat during four or five Hours, till the Spirit is well impregnated, and has received a high Colour. See

Thus are Tineflures of odoriferous Vegetables, as Cinnamon, &e. drawn; and the same Menstruum serves for those of Metals and Minerals.

The Tinffures of Metals, fo much talk'd of by the Chymilis and Alchymilis, are not proper Tinffures; they are only Diffoliutions, wherein the Metal is divided and attemated to a greater Degree, than it is in its natural and ordinary Diffoliutes. the Timifure were irreductible; that is, if the Metal

If the Traffirm's were irrobalible; that is, if the Meal were diffield to floab Degree, as that it could not be bought back again into Metal; or, which comes to the time, if the Petrocies with comosfe is were difficult, it would be wise the Capanith here. In long and is carefully wither days, and the Capanith here is long and is carefully wither days, and the Traffirm's whereof, is what Romal be called. Amount Parkellie. See Gorn. But no fish Traffirm has cert yet been difforced i The Pondhé Gold in wile sunney as, being only Gold certumity derived a reason of the control of the Capanith of the Capanith of derived as and the Capanith of the Capanith of the Capanith of derived as and the Capanith of the Capanith of the Capanith of the derived as and the Capanith of the Capanith of the Capanith of the derived and the Capanith of the Cap

other Metals. See METAL and MINERAL

The Intention of metalline Theirass, is to rarify and extend the Sulphar of the Metal as much as poffible; and for render the fir d and earthy Parts, as fubtle and volatile as may be: If they are deligned to be of Ufe in Medicine, fome harmless and agreeable Intermedium is to be used.

The Alchymifts give the Name of Grand Mineral Tindlura The Alchymidia give the Nume of Greek Minnest Masters to the Philosophers Stone i from no Option, that all which is recalled to that Operation, is to give the Colour or Tanderrot Gold and fold Meneray, See Intenseous reas a thought of the Colour of Tanderrot Gold and fold Meneray, See Intenseous reas a thought of the Colour of Tanderrot Gold and the Colour of Tanderrot Gold and the Colour of Tanderrot Vinna, and thany Jusceta and Mr. Highly thinks there is realise to hope the limit may be done of persona Stones; Rock Copylia, its cerain, in tinged by Substrateneous Julies; for it is the Monation of the French Audenty, menton in make of certain Liquors, e.g., Salts drawn from Whest, which will certain Mindstard, even can of foliar personal Stones. Thus exact Mindstard, even can of foliar personal Stones. Thus as they give a greater Degree of Readness to the Solution of Virgin.

Vitriol.

Tynerwaz is also applied by the Heralds, to the Colours in an Ecutehon, or Cost of Arms; under which may be likewise reduced the two Metals, Or and Agent, because often the Colours of the Col

Basel for extend the two Mees, some a most which may be represented by Yadiona White. For all and the properties of the Theorem White. For all the Properties of the Theorem White. For all the Properties of the

In the first Stage it is cover'd with white, dry, feurfy, or pears granulated : And in the third it is ulcerous It has its Name Times, Moth, from the Similitude of the Holes eat by that Infect on Paper, &c.

Holos eat by that folicit on Paper, EG.
The intercoal Remedies proper for the Timea, are Mercurials, proper Cathartics, and Dietetics, or Edulcorants; and Conctimes a Salivation, effectally by Unifon, has been efficacious, after all other Methods have provid vain. The Extensis are Fomeneations made of Roots of Oxylapathum,

ternals are Fomecanions made of Koots of Oorleghelburn, "Eirlmurn, High-Faleft, Wermowsk, E.S., bould in Water and train of to which are acked, Spiritu of Wine cample-rates, G.K. Leinment of Hogs Land, while Feedback High Company of the Company of the Company Foundation of Remote and white Virtid, red Precipitate, Els-TIN-Ooff, a mineral Matter, white, fromosh, and, as to Appearance, refunding Ting but hard, flury, bettle, and dipod dim things Gales, as it were Frieces of Gliff, where Wester in Name. See Missran.

2 m-codgs in the same was seen that the same

and LODELYMO-GIGHT.

Kettles, Saucepans, and other Kitchen Utenfils, are time is
with melted Yin 3 and Locks, Bits, Spurs, &c. with Leaf
Zin by Help of Fire,
The Plumbers use to tim or whiten their Sheets of Lead 3
in order to which they have a timing Farmece, filld with
live

It is Coal, at the two Sides whereof wo Men are placel, who be had up the Sheens over the Fire to heart; and the divelence long flad over them, a first a the Sheen gow bot, and the Men flad of the Men flad over 
"Measures, railed the Theor. spatial their Endors, her Tlut-band All, excepting Gremen, made Var upon him, and dehrend him, feeting up Stater in his Flace. Statern, is feeting, prod at none for towards from Statern, is feeting, prod at none for towards from Upon this, Spajier revoked against Statern y ferving him as head door Endors and referred to their Grinars show at least day and referred the three Grinars show attenueds provid of great Service to him in the War the Tlut Wir kultes or Naves, but a length the Theas ware wangaffield, Spajier remained in peacesbe Fedfellion of Hea-ven, and the Zirast were buryl and orthogal Mountain throws on their Heads.

Highins give a nother Origin of the Hims: He derive 'un trom Jim, gamm' cale Bother, by Given and Figle, who, the' prelimptive Heir of Hawan, yet shadap the Father and the Himself of Section, on Coulding the Himself and the Himself of Section, on Couldine the flood are bring up any Male Calal, that the Empire of Heaven might recent to his own Himself or Himself or Himself of Himself and by the Artifice of Oft I Himself on the Witter Himself of the Himself of the Himself of the Himself and Was to Empire, ranguild, and improfied him in Thus be contained in the Yors of his Desarder, will Spicer being grown up, and Was on the Himself of the Himself or Hims

Father.

F. Peron, in his Antiquity of the Celte, makes them the fame with the Titant in Mythology; and their Princes the fame with the Gatast in Scripture: He adds, that the Word Titas is perfect Celtic, and derives it from Tit, Eatth, and Desor of Ten, Men: And hence the Gressic call them very properly Tryonic, 4.4 Terrigenes, Earth-born.

The Word Titas is also Prince and the Celter Celte

which Cafe it is likewife Celtic; only of another Etymology, being form'd from ti, House, or Habitation, and ten,

Elegistica deferres, that the Word Tites in likewise and for facilities that the Word Tites in likewise and for facilities. He adds, farther, that the cost of the facilities of facilities and the state of the facilities of the facilities of the facilities of the facilities of facilities of facilities in the Apostlyris will. 18, 1 labs Number 28 Majo 1 str., when the Apostlyris will 18, 1 labs Number 28 Majo 1 str., when he is 6 Hausch as to let in but very little Water. This is homes by the Smell of the Water pump'd our, for if TITHES, or TTYNN, TAYNY, 2 Majories, Jimmy the early lart of all Punit, both Parilla, Verload, and Mick's OCKERY, U.S.

CLEROY, &c.

Of Titles there are three Kinds, viz. 1°. Perfonal Titles; which are those due or accruing from the Profits of Labour; Art, Trade, Navagation, and Instiftry of Man. See Pra-2º. Pradial Tithes, which asife either from the Fruits of

2º Pretail Tither, which arise either from the Passin of the Ground 3 at Com. Hay, Volurious, Han, Hang, Kee, et from the Frestin of Trees; 30 Applies, Trees, Visuals, Electricis of the De Passin of Garbas, See Passins. See

mix'd. See Parson, Rector, Vicar, Cv.

min'd. See Parsons, Rector, Vican, Gw.

The Cultom of giving or paying Yithe is very ancient:
In Gen. xiv. 2. Mandana gives Momileth the Tenth of all
the Spoils he had taken from the four Kings he had defeated:
In Gen. xxiv. 1. Jecth makes a Yow at Thethel, to give
the Tenth of all the Riches he shall gather in that Sojourn,

to God.

But thefe Tither were free and veloutary and, befide, diffired in obvers other Refelchs from wirt was interwards diffired in obvers other Refelchs from wirt was interwards to the control of the property of the control o of all he should possess; not to any other Priest, but to God himself upon an Altar. Take was first legally enjoin'd by Moles, Exad, xii, Lev.

xxvii, 30. Numbe, xviii. 31. Deut. xiv.
xxviii, 30. Numbe, xviii. 31. Deut. xiv.
xxviii. 30. Numbe, xviii. xiv.
xxviii. 30. Numb

taken ill after the Obtation cill'd riverin and toes usuae. See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry.

See Lavyry

30. The Tithe of the Tithe, was the tenth Part of all the Tithes that had been given the Lewises by the People; for the Lewises that the they had got all their tithes of the People, divided it into ten Parts; and in their Turn, gave a Tithe to the Priefts.

the Freetz.

This Tible the Rabbins call ways more, the Oblation of the Tible or ways more ways. Tible of Tible, or may upon more ways, the Tible of Sanking'd Tibles.— And this the Lewise were obliged to carry to the Temple; the rest was referred for their own Substitute.

A. SE ALON OF THE ADMINISTRATION WAS ANOTHER THE OF THE ADMINISTRATION OF THE ADMINISTRA 4º. The Title of the third Tear, was another Kind of Title, not much different from the fecond Title, excepting

Now, every third of thefe fix Years, i.e. on the third, and the fixth, they rais'd, as usually, the first Tube; and after that a second. — But this second they did not carry to Jerufalem either in Kind or in Money; but kept it by them

yerislatem either in Rind or in Money; but kept it by them to be spent by the Levites, the Strangers, the Estherless, and the Wildows of the Place, Dent. xiv. 28, 29.
This was alfo call'd the Tithe of the Peor, and the third Yitle; and these third Years it was paid on, were call'd the Tithe Years.

All these Tithes amounted to above one Sixth of the Re-

au their 11stes amounted to above one Sixth of the Re-renuc of each Perfox; For if, for Inflance, a Maller of a Family reap'd Googo Meafures of Wheat, and too were falken sawy for the first Frains or Oblation, he he first 12sto, \$500 left: From this \$500, taking away the first 12sto, theer remained \$310, the Tenth whereof is \$11, which being taken, leaves \$4719 for the Properties; who, conferently, has given \$121, tol. 21 most than a Stath of the

whote.

Of the 590 which the Levites receiv'd for the first Titbe,
59 went to the Priest for the Titbe of Titbes; so that they
were lest 531 for their own Subsistence, and that of their

Pamilies.

The Mattern are all further explain'd in the Thelman, wherein there are two Books of Tribut, the Book of Benerics, and the Books of Tribut, the Book of Benerics, R. Scheinsche Ferrit, in Scalege, Jamans, Schler, Gestern, J. Erdeber, Ferrit, and James, Tributs, Constitut, J. Erdeber, Ger. 16c, Gestern, J. Erdeber, Ge. 16c, Gestern, J. Erdeber, G. 16c, Gestern, J. Erdeber, J. Erdeber, G. 16c, Gestern, J. Erdeber, J. Erdeber, G. 16c, Gestern, J. Erdeber, G. 16c, Gestern, J. Erd

Antonia, Esc. In after Times the Lair type ac a certain Portion of their Revenact to the Clergy, but voluntarily, and not out of any Constraint or Obligation: The first Instances we have of it, are in the IVth and Vis Centures.

This Gift was call'd Tithe; not that it was really a tenth Part of their income, or near fo much; but only in Imitati-on of the Tithes of the old Law.

on of the Tables of the 64d Law.

In the following Age, the Prelator in their Councils, in
Cancert with net Prances, made an expertis Law to the Pinpole, and shelf afthe Last toy give a litter of hard of their
Part of their Last toy give and the contract of the Councils
This the Charch epply of without Dilitarhauce for two or
three Constaties, but in the VIIII. Courary the Lairy gas
hadd of Part of their Tables, where by their own Authority,
or by Grains and Discontinuous file Prances, and appropriated
them to their own Uses. See Aproximations, 1943 them
to the finantine of Monatteries or Canasters, and the Charles

to the finantine of Monatteries or Canasters, and the Charles

to the founding of Monatteries or Chapters; and the Church confented, at leaft tacitely, to this Refittution.

In 1179, the third Council of Lateran, held under Alexander III. commanded the Laymen to rettore all the Titles

sacher III. commanded the Layman to enhore all the Tritest hey yet bold, not Chanch. In 2123, the fourth Coassic of Latteres, held under Inse-cent III, understend the Matter a limit; and, without furgi-cal the Committee of the Committee of the Committee of fairbold them to appropriate or take my more for the latter. Fro. Flash, in his Termit let matters Empoliagies, in of Opulous, that the Calloun of paying Tribest under the Institute of the Committee of the Committee of the letter of the Committee of the Committee of the letter of the Committee of the Committee of the long Time is per investment that we of Coal, whereby Tribe of the Institute of the Committee of the Committee of the long Time is per investment that the of Coal, whereby Tribe of the Institute on a rejoined to be given to hely Tites.

Cr., 1986, Origina Hom. XI. on Nimes, hishes, that the del. Lam of Julifye proching the first Prints and Cristes, both of Cattle, and of the Festie of the Earth, are not about a contract by the Goglet, but ought to be observed on their ancient inesting. The Vth Canson of the Consoil of Means of the Consoil of Means of the Consoil of Means of the Consoil of the Con

the Christians, and that span Feeling's of Excomminations of the control of the Second 
That Titles were Geremonial, is evident from their not

Last Yums were Geremoniat, in evident from their not being given to the Lexists vill they had been fried freit as a Heave Offering to the Lord, v. 24, 38.

He, then, who by the Law brings Titles into the Goffel, brings in likewife a Sacrifice and an Altar; without which, Titles, by the Lass, were antincilly of any polluted, v. 3:2. And therefore were never thought of in the first Chrittian Times, till Geremonial Altara and Odlastions had been braught

Dack.
The few themfelves, ever fince their Temple was deftroyd, the they have Rabbies and Teachers of the Law, yet pay no Titles, as baving no proper Lexiets to whem, nor Altar whereupon, to hallow them; which argaes, that the fews themfelves areer look on Titles as Mosal, but merely Ceremonial. Add, that Titles were not allow the tricks and Leries merely for the Friesk and Leries merely for the the tricks and the tricks a back. bernacle; but in Confideration of this likewise, that they

were not allow'd to have any other Part or Inheritance in the Land, v. 20, 24, and who, by that Means, for a Tenth, loft a Tweltth.

a Tweltin, In effect, for the first three hundred Years after Christ, no mention is made in all Ecclesiation History of any fined Things 37 fifters; tho; in that Time, Altars and Oblations had been recalled, and the Cauch had mifertally lyied all that Time on Free will Offerings; not could the control of the Cauche and 
Judaide in many other Things. The Charchume contribily livided that Mr. men a free wall Offerings, nor could not
you'ld all that Them are a free wall Offerings, nor could not
wrating Gruld Magnificant to tipolo in, fines Christians,
barried Lands, might have given out of them shar they
by Advise of the Bildops, supplyd what was wanting to
the Corry, not one of Thirth, with over nover proposal,
The first Authority productly, feeting addie the Apottleict
Continuation, which we due the Invasor of Thirth will make
word to be God's Reat; his before that Time, divers
over a box God's Reat; his before that Time, divers
over a box God's Reat; his before that Time, divers
over a box God's Reat; his before that Time, divers
over a box God's Reat; his before that Time, divers
over a box God's Reat; his before that Time, divers
over a box God's Reat; his before that Time, divers
over a box over the thirty of the thirty of the conTime alledge, that Thirties are of early and follows Force
as to certain that Trains (upped Alaux.
—"The alledge, the alledge Alaux.
—"The alledge Alaux.
—"T to adom and repair the Churches, as appears from the Canons Echert and Elfric.

The Custom of paying Tithe, or of offering a Tenth of what a Man enjoys, or of what he reaps from it, has not only been practice'd under the old and the new Law, but we

only been practiced under the old and the new Law, but we allo find domething like it among the Headman of Gymra. Domphon, in the 5th Book of the Euspelliton of Gymra. Domphon, in the 5th Book of the Euspelliton (Formation of Domphon, whereby the People were warnly to offer the readment Domes, whereby the People were warnly to offer the readment People of the Euspelliton of the Godden. First the Formation of the Godden. Figure 1. The Control of the Formation of the Godden. Figure 1. The Godden, the Godden of the Formation of the Godden. Formation of the Godden of the Go

halticat Lord, untree to their Fee, and possess of the Goods, See Hemorpharton.

By the Cookil of Lateron, held under Mensuder III. in 1159, the Alienation or Infecdation of Tithes is prohibited for the future: Whence all Infecdations made lines that Time are generally held by the Caronitis illegal. Time are generally held by the Calonutts alegal, some attribute the Original of thefe impropriated Tithes to Charles Marvel 3 and hold him dama'd to first giving the Revenues of Benefices to feedlar Nobles: But Barazatus will have this a Fable, and refers their Origin to the Wars will have this a Fable, and refers their Origin to the Wars in the Holy Land 3 which is also the Opinion of Past-

quier. The Tribute, it feems, which the Romans Import on all the Broninces of their Empire, was a tenth Part of all the Fraits: Hence teveral Authors observe, that the Pranks having conquerd the Gand, and finding the Imposition effation of the Pranks and this, fay they, was the Origin of infooff of, or improprieted and appropriated Vision See Fax.

infected, or impropriated and appropriated x titlet. See Fig.
But the Truth is, they are not for ancient; nor do we find
any mention of them before the Reign of Heigh Caffer; a even
the very Council of Chermont, held in topy, as hot as it was
in the literates of the Charch, does not tay one Word of
them; which yet would indoubtedly have made load
them; is which yet would medoubtedly have made load
them; fishes to the Charch, and the proposition of them to the three them.

known. Then, of Grounds early troke up and subtracted.
The deficiency Newledge new Transition of the State of Theorem Newledge new Transition of the State of Theorem State of T

Off the Companies there was one chief Perina, who from the Office was called Yerbringsman; and at this Days in the Well Yithingsmen, the low we more than a Contlable; the Gold Gullion of Tennenates, or Yithings, being long fince diffield. See Chief Pennous, France-Pennous, Decrements, Tenneus, Tenneus-Pennous, Decrements, Tenneus-Pennous, Decrements, Tenneus-Pennous, Decrements, Tenneus-Pennous, Decrements, Tenneus-Pennous, Decrements, Tenneus-Pennous, Decrements, Tenneus-Pennous, Tenneus-Pennous-

Body, upon a nervous Part; and which ufuslly tends to pro-duce Laughter. See Lavourram.
The Word is Latin, Titiliano, fignifying the fame Thing, TITLE, Titilia, an Infeription part over any thing, to make it known. See Insensity and the thing the property of the Word is particularly add for that in the first Page of a Book, consisting the Subject theoret, the Author's Name,

Se. What tortures abundance of Authors, is to find specious Trites for their Books: A Trite should be simple, and yet clear i Theé are the two genuine Characters of this kind Composition. Assuming Trites are a Prevention against the Author.

The French are much addicted to Panfaronnades in their The French are much addithed to Fenfaronnesses in their Titles; Witnes that of M. 16 Pay's Amitice, America, Americates, or that Improvement hereon, Fleuri, Fleurent, 
A Title is fishlivided into Paragraphs, 35c. See rand-GAAPH, 35c.
Each of the 50 Books of the Digetl confids of a Num-ber of Titles; frome of more, others of lefs. See Dicestr.
Tiver, is also an Appellation of Dignity, Diffinction of Pre-cuinness, given to Person possible 45d or the same, See Dicestry.
The Titles of Order or Dignity, Legan obstrees, flowed and Dispute goods: Immediately after the Name, and before the

abusy come inmediately after the reason, "article of Office.

The King of Stoke has a whole Page of Titles, to expert the kevnet Kingdoms, and Signesse he is Matter of The King of Englant takes the Virte of King of Great Parisate, Fronce and Femile: The King of Famor, the Title of King of Famor, the Title of King of Famor, the Title of King of Famor, the King of Famor, America, The King of Semester of the Office of the Office of Section (1997). The King of Famor, Amy of Themson, Amy of The Sections, among his Titles, takes that of King of Coprus and Jerusalem: The Duke of Lorrain, the Title of King of Jerusalem, Sicily, &c. See Kine, &c. See also the follow-

The Cardinals take a Title from that of fome Church ! The Cardinas take a Yille from that of fome Charch in Rome; see St. Ceirlin, St. Sebina, Ec. and they are call'd Cardinals of the Title of St. Ceilin, Ec. Sec Cardinan. The Emperor can confer the Title of Prince or Count of the Empire, but the Right of Suffrege in Alternblies of the Empire, dependent on the Conferent of the Elimet. Sec Barras.

Ås to Gealer Fovers, to the Energeon is given the 'Ithic of Imperial Modely's to King, Model's to the King of Terms, principal Modely's to the King, of Terms, to the King of Terms, principal Kingley's to the King of Seguine, in grown Depline of the Modely's to the King of Logical, in grown Depline of the Model's to the King of Logical, in grown Depline of the Model's Model's Model's to the Canal Model's to the Canal Model's to the Canal Contract, Model's Model's to the Canal Model's to the Canal Model's to the Canal Model's to the Canal Model's Model's to the Canal Mode As to fecular Powers, to the Emperor is given the Title of

The Imperior or come and the first fixed fixed of these fixed fixe

Tarea, in Law, is a Right which a Person has to the Possession of any thing. See Right.

It is also an authentic Instrument, whereby he can prove,

It is allo in authente mirrument, waters of the poor, and make appear his Right.

A Prefeription of Twenty Years, with a Title, is good; and of Thirry without a Title. See Pauseautrino.

There must be at leaf a coloured Title, to come into Pottedfon of a Henefice; otherwise the Person is deemed an Ingruder. Soe BENEFICE.

Tever, in the Canon Law, is that by Virtue whereof a Beneficiary holds a Benefice; such is a Collation of an Ordinary, or a Provision in the Gourt of Rome founded on a Refignation, Permattion or other legal Caufe.

The Title of a Benefice, or Beneficiary, is either a True

A DECEMBER OF A DESCRIPC, OF MEMORITARY, IS either a True or a Colouroble one: A True or Valid Trule, is that which gives a Right to the Benefice; fach is that given by a Collarov who has a Right to confort the Benefice to a Perfon capable thereof, the aftual Solemnities being observed. See Con-LATOR, SC.

LATOR, ESC.

A colourable Title is an apparent one, i.e. fuch a one as appears Valid, and is not. Such won'd that be founded on the Collation of a Biftorp, in Cafe the Benefice in Queffion were not in his Collation.

were not inhis Collation.

By the Garons, a colomathe Trite, though fills, produces
the colomate of the colomate of the colomate
of the colomate of the colomate of the colomate
of the colomate of the colomate of the colomate
of the colomate of the colomate of the colomate
of the colomate of the colomate of the colomate
of the colomate of the colomate
of the colomate of the colomate
of the colomate of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the colomate
of the coloma

781. 1135.

There are many Renfons why a Church might be call'd Titalius, Title; the most probable, Corast takes to be this, That in ancient Days, the Name of the Sains, to whom the Church was dedicated, was engraven on the Porch, as a Token that the Saint had a Title to that Church; whence the Church if the Dearne afterwards call'd Titalius. See Cleriad.

TITLES, or Titular Churches, M. Flessy observes, were remerly a particular Kind of Churches at Rosse. See CHURCH.

In the VI. and VII. Centuries, there were four Sorts of Churches in that Metropolis, viz. Patriarchal, Titular, Disconal and Oratorial.

The Tituli, Titular, were, as it were, Parifice, each affigued to a Cardinal Prieft, with a certain Diffrid or Quarter depending thereon, and a Font for the Administration of Baptifin, in Cafe of Necessity. See Quarter, Carbi-

Bapting, in Law or Avenue.

Mal, &C.

Gerical or Succeeding Title, is a yearly Revenue or Income, of the Value of 19 Crowns, which the Candidates for Prictithood were anciently obliged to have of their own; that they might be affured of a Subfiffance. See Ondination,

280 

and abounce Ordinarioss man.

Accordingly, the Difcipilize was pretty well observed, till towards the End of the XIrh Centry; but then it began to relast, and the Number of Piretis was executingly increased; g
cither because the People became definous of the Privileges of
the Clience is or because the Billiops (logg) to extend their Turifdiction.

Justification.

One of the great Inconveniencies of thefe vague Ordinations, was Powerty, which frequently reduced the Friefits to fordid Occupation, and even to a financial Begging. To remedy this, the Council of the Letterm, lid it to no the Bifliogs, to provide for the Subfildince of theh, as they should Ordsin without Title, till fach time as they had got a Place in the Caucht, that would afford them as efficied Mintenaction.

Church, that would afford them a Ertited Maintenance.

There was also anothe Expedient found ont to clude the
Caron of the Council of Choleston; and it was appointed,
that a Prieff might be ordained on the Title of his Partimony.

That is, it was not noceflary be had any certain Place in the
Church, provided he had a Partimony fufficient for a credimble Subfittance.

The Consul of Trees retrieved the ancient Diclipiles in this righed; probleding all Definitions, where the Confi-dence was not in piecoshe Parliffon of a Brackefe fulficient Parlimentary Perliment, and the Confidence of the Parlimentary Perliment, Parlimentary Perliment, and the Wartenbook the Encyclian. Benefice in the Raise, and the Parlimenty the Encyclian. Beneficient the Raise, and the Parlimenty the Encyclian. Committee, particularly France, where the Parlimental Traffic is the most integrant 2 and the Table is even fixed to a very moderate Sum 3 about 5 ( 1 gt. 5 gt. America Merling, La-renting, 1 gt. The Council of Trent retrieved the ancient Discip

required.

As to Religious, the Profession they make in a Monastery
ferves them for a Title; in regard the Convent is obliged to
maintain

ministin them. And as to Mendicans, they are ordained upon the first of the covery.

Solven of the first of the covery.

Solven of the first of the covery of the foreign is not first of the first of t

THTULAR or TITULARY, a Perfon inveffed with a Title, in Virtue whereof he holds an Office, or Benefice; whether he perform the Functions thereof or not. See OFFICE and

An Officer is always reputed Timber, till he have refigned his Office, and the Refignation have been admitted. In this Senfe, the Term is ufed in Opposition to Surveyor, and to a Person only acting by Procuration or Committion.

and to a remon only acting by rootstands or Commenced.

See Procura aron, 35.

Trulan is fomerimes also applied adjectively, to a Person who has the Title and Right of an Office or Dignity; but without having Possession, or discharging the Function there-

It is fometimes also used, abusively, for a Person who assumes and pretends a Title to a Thing, without either a

Right thereto, or a Politetion thereof.

TMESIS, in Grammar, a Figure whereby a compound Ward is feparated into two Parts; and one or more Words interpol d between them. interpord Detween them.
Thus, when Teruse lays, Que mee conque coime labitum
eg? facore, there is a Tangli's, the Word quecumpae being divioled by the Interpolition of mee.
Lacretum abounds in Yangli's, as Sept falconatum tallu
pretering measurem: Or, Difficio pour of fringi foque grealled Confession and constitution.

preserves unemanne. Or, Diffuse pair of Epineg pere gre-gories and, Diffuse dipper agreem, views, Loss. TOBACCO of Taxacco, a Medicinal Hebr, not known to Engipti Uniter the Difescopy of America by the Questions. The Americans of the Continues cell fit as Peren, those of the Hinde, 20th. The Qualizers, how year it the Name of the Hinde, 20th. The Qualizers, how year it the Name they are the Continues of the Continues and the Section Section Fig. 1999, as in stiff introduction among those gover in the part found it, and first hours in Utc. The Propuly, is in stiff introduction among those gover is from Place Nort, then Endudables of Prescil II, in Portiguel, who knowledge the Continues of the Continues of the Continues of Cacherine as Medicity whence it was able called Special Train They align per to other Names, which are now all se-

and tribus Error: 11179.

They also gave it other Names; which are now all reduced to the original Name Tohato, or Tohaton, for Talasco, to Talasco, to Talasco, to Spain and Portugal.

## Culture and Preparation of Tonacco.

Tobacco is cultivated in feveral Parts of America; par-ricularly in the Caribee Hands, Virginia, Sc. where they are forced to mix Afhes with the Soil, to prevent its rifing too thick

After fowing, they water it every Day, and on very hot Days cover it up to prevent its being feorehed by the Sun. When 'tis rifen to a convenient Pirch, they transplant it, When 'tis rifen to a convenient Prich, they transplaint it, much as we do Lettice, only at a Dilstone of three Feet, and in a Soil prepared with great Care: When re-planted, 'tis kept continually Weeding 3 the Stem frequently clean'd; and the lowell Leaves and the Suckers it puts forth, taken off, that Ten or Fifteen of the fincil Leaves may have all the Nourith-

The Leaves thus referred being ripe, which is known by their breaking when henr; the Stalks are cut, and left to dry two or three Hours in the Sun; after which they are tied two y two, and hung up on Ropes under a Shed to be dried by

by two, and hang up on Ropes under a shed to be dried by the Air. When the Leaves are fufficiently dried, they are pull'd from off the Stalls, and made up in little Bundles; which being fleered in Sea-water, or for want thereof, in common Water, are twitted, in manner of Ropes; and the Twitts form'd in-tor. Rolls, by winding them with a kind of Mill around a

In this Condition 'tis imported into Europe, where 'tis cut by the Tobacconills, for Smoaking; form'd into Snuff, and the like.

Befides the Tobacco of the Wolf-Indies, there are confiderable Quantities cultivated in the Levant, the Coaffs of Greece and the Archipology, the Bland of Malia and Indiy. The Marks of good Twiff Tobacco, are a fine finling Cut, an agreeable Smell 1 and that it have been well kept.

Tobacco is called rather have been well kept.

Tobacco is either taken by way of Snuff, as a Sternutatory; as a Masticatory by chewing it in the Mouth; or by

fencaling it in a Pipe. See Pipe. SPERANDENERY, MARThe forections after the in little length Pellers pet up
the Mode, where 'the found in produce very good Highly, and
the Mode, where 'the found in produce very good Highly, and
the state of the state

it weakens the Sight.

Zickness is bed as in Causacae. See "Orland Sight mere Membranea

mere Morbernot.

Some Porple ut the Infinion of Federace an Energie but it is a very damperous and munifishinhe Profitice, and often a very damperous and munifishinhe Profitice, and often a result of the Profit o

in the Tootheste's though routh be to thofe that brecken under on the string of Toboxe, wherevite geres Sickede, Reaching, Venitring, O'v. happens; and even in no Cht'i it harmon the city is warment by collary Predice.

The transport of the transport of the Tootheste's Charlester of the Cht's Arthur and Line; it hild not be of good Service, under extendibly, in Camanou Difference, ejecutiy the Lab. Some both them for that Purpole in Uraz. The finne is fill to be held them for the Purpole in Uraz. The finne is fill to be Sig. Thentil, Frederica of the King of Themsen, in an expectal Treasit on Tobacca, otherws that the Morchiums frequently by it in Boy banks; to the fall that theomising the country of the Charlester of the

rembred the brister, more feerfal and finences.

Zhanzind N. Romperor of the Traity, is the Grand Dades

Zhanzind N. Romperor of the Traity, is the Grand Dades

Died Traites in the Brister States. Our King Tainet 1, worse a
Traitin Signific Traitine, south of Lament-Boll of Traitine,

Traitine Signific Traitine, the State of Lament-Boll of Traitine,

that Traitine Signific Traitine, the Commission of the

Hand. See Foot.

Hand. See Foor.

The Yest of each Foot conful of 14 Bones; the great Toe having two, and the reft three each. They are tike the Bones of the Fingers, but flower. See Finoza. In the Ties are found, revelve Offi Schimoidea as in the Fingers. See Standonton.

The Gour chiefly feliase the great Yes. See Gouy.

The They Transpare of Three is one Foundation a Bonesi.

The Gout chiefly feirest the great Tee. See Gouy,
TOFT, Tortwa or Torra, in our Law-books, a Parcel
of Land, or a Place where a Meffunge shah flood, but is
decayd or cafailly bearn, and nor re-cliffed.
TOGA, in Antiquity, a large woollen Gown or Mantie,
without Skeves, ufed among the Ramani, both by Men and
Women.

Women. In process of Time, none wore the Tigs but lewd Women, whence that of Harace.

# In Matrona, precejee togata.

The Tigs was of divers Colours, and admitted of various Ornametes: There was that called Tigs Downflies, wore within Doors; Tigs Forenis, wore Abroad; Tigs Millions; used by Soldiers, tucked up after the Goldman Soldiers, tucked up after the Goldman Soldiers, tucked up after the Goldman Soldiers, tucked up after the Colours and Tigs Pitla, or Triums pladie, wherein the Victorious triumpled, embroistered with Palms: that without any Ornsments, was called Toga Pura.

Omsimms, was called Taga Fura.

The Taga was fometimes were open, call'd Aperta: Sometimes girt or tack'd up, call'd Precincile 3. And this Cinclure or Girding again, according to Squanist, was of three Kinds: Laxivo: or the loofe Kind, where the Tail trailed on the Ground; Affricare, the clofe Kind, wherein it did nor reach [K. k. k.]

fo low as the Feet ; and Gabinia, where one of the Skirts or Lappets was girt round the Body,
Sigonius diftinguishes the Togo or Roman Gowns into Pura, Candida, Pulla, Pilla, Pretexta, Trabes and Palluda

Camena, Yunia, Pilla, Pretensa, Irabba and Pallude montum. Soc Parkerker, Packuramantum, Efs. The Tage Pure was also call'd Virilis. Soc Virile. The Jat Tage, or Right of the Viga, was the farm with the Right of a Roman Chinen, i.e. the Right of wearing a Roman Habit, of taking, as they explaind it, Fire and Water through the Roman Empire. Soc Civilen. TOLIES, are Santes or New Set by Hunersbe catching of

TOILET, a fine Cloth, of Linnen, Silk, or Tapiftry, fpread over the Table in a Bed-chamber or Dreffing Room, undress and dress upon

so womens and creat apon.

The Dreffing-Box, wherein are kept the Paints, Pomatums, Effences, Patches, efc. the Pin-cufhion, Powder-Box, Brufhes, &c. are effected Parts of the Equipage of the Ladies Zoitz.

That of the Men, conflits of a Comb-Cafe, Brashes, &c. To make a Vifit to one at his Toiler, is to come to entertain him while he is dreffing or undreffing.

him while he is decling or underling.

Satin, Velve, Brocade, Point of France, 26c, are now
ordinarily util for Jaleit; anciently they were much plaine;
where the Name, which is form of form the France, Moster,
a Dishincutive of Toole, any thin Stuff.
TOISE, a Presult Meelline, counting fix of their Feet,
or a Pathon, See Faymon; fee also Masavax.
TOISON, 29c; is a Term in Headary for a Golden
TOISON 29c; is a Term in Headary for

Flocce, which is fometimes borne in a Coat of Arms. See GOLDEN Flag

TOL-BOOTH, or Toll-nooth, a Place in a City where Goods are weigh'd, to afternain the Duties or Imports

TOLERATION, in Religion, a Term which has made a great Figure in the Difpures among the Protestants; who have been exceedingly divided about the Measures of Tolersrion, or the Degrees to which Hereticks and Schifmaticks are, or are not, to be fuffer'd.

Then, or the not, to be fuffer'd.

All who have reason'd consistently from the Principles of the Reformation, have been for Telegration 4 as well perceiving they had no Right to oblige any body to follow their particular Sentiments but the Difficulty was, the fetting porticular Sentiments: but the Directity was, use range Bounds to this Federation.

M. Bafinger, and fone others, diffinguith Civil Televation from Eneligibles. The latter allows of different, and even oppofite Sentiments in the Church; and the first permits them in Civil Society.

By Civil Teleration, is meant Impunity and Safety in the By Croil Toleration, is meant Impunity and Salety in the State, for every Sect which does nor maintain any DeStrice inconfiltent with the Pence and Welfare of the Sate. This Croil or Political Toleration, implies a Right of epolying the Benefit of the Laws, and of all the Privileges of the So-ciety, without any Regard to Difference of Religion. Evelightical Toleration, ian Allowance of certain Opinions,

which not being Fundamentals, don't hinder thofe who pro-fels them from being efteen'd Members of the Church. But as to the Quality and Number of thefe Fundamental Points, they never could, nor, in all Probability, ever will, be agreed

Bay network, in Law, a Term fignifying to defect, or take away a Term fignifying to defect, or take away a Term for the Latin, tollers. Thus to fal the Entry, is to take away the Right of Entry.

TOIL, a Sawer Term, the derived originally from the Latin, tollers, to take away it thas two Acceptations,

1°, It denotes a Liberty to buy and fell within the Bounds.

2º. A Tribute or Cuftom paid for Paffage, Sc. See Pas-

2. A Figure of Cuttom past for Panage, Gr. See Pas-saors, Transvirs, &c.

Some interpret it to be a Liberty, as well to take, as to be free from, Toll; for they who are enfeoff'd with Toll, are Cultom-free.

Of this Freedom from Tall, the City of Coventry boatts an ancient Charter, granted them by Leefrick or Lurichs, Earl of the Merciaus, in Edward the Confusion's Time, who, at the Importunity of Gaseus his Lady, granted this Freedom to

the City.

Some Records make mention of Toll-thurs, or Thur-toll, which is Money paid for Paffage in or through forme Highways, or over Ferrics, Bridges, &c.

mm, a over Bernes, Bridga, Eer, 'Fold Trisners, to pulling over a piviate Man's Ground. 'Fold Trisners, to pulling over a piviate Man's Ground. 'Fold Trisners, to pulling over the Markets, the hist week con Fold. Markets, the hist week con Fold. By the ancient Law, the Bayers of Corn and Cartel in Falls are Markets ought to pay 'Fold to the Lord of the Mar-ket, in Tettimony of the Commelt there Invitally much grown Markets, beautify pivity Contracts were held malanish, grown Markets, beautify pivity Contracts were the damaged.

open Market's necaste privy Contracts were near unnawn, See In-root, and Ur-root.

TOMAN, or TOMAN, a kind of Money of Account, urd among the Perfans in the keeping of their Books, and to facilitate the Reduction of Money in the Payment of confiderable Sums.

The Tomas confids of fifty Abaffi's, or a hundred Mamondi's, or two hundred Chayes, or ten thousand Dinars; which amount to about three Pounds seven Shillings Six-pence

which amount to about three Founds fevera Shillings Six-peece Starting. See Mongale, where it would fever the Language of the Mongale, where it splings the Nemmer run frontjant. It is a start of the splings of the special seed 
ban nine Tomans

TOMB, includes both the Styllebre, wherein the Defunct is intered; and the Monument erected to preserve his Memo-ry. See Serveene and Monument.

ry. See Sapulenne and Monument, Among the Roman, to the Emperoes, Veilals, and Among the Romant, none but the Emperoes, Veilals, and Perions signalized by great Adions, were allowed to have Tombis in the Clinic; the reft were all in the Country, near the High-Roads; whence those common Words, 1961; 196 and 197 the Partery, which are trill retained in the Interfrience of our Monumenus in Churches, 1967, the 'the Occasion be no

At Anchiales is fill from the Tomb of Sardanapalus, with this Infeription in Verfe: Sardanapalus built Anchiales and Tarlus in one Day : Go, Paffenger, eat, drink, and be mer-

The Word Your is form the Greek, whate, and to morey, the red is withing.

The Word Your is form'd from the Greek, whate, Tumilus, Sepulchre; or, according to Manage, from the Latin, Tombs, which fignified the fame Thing.

Yamba, which ugained the lame 1 ning.

The Ramais had a kind of empty Tomb, call'd Constability, or an honovary Tomb, wherein no Deceas'd was laid. It was us do to be built in Favour of Perfous perishing at Sea, in remote Countries, &c. where no Sepulture could be

The Occasion hereof was a superstitious Notion, that the Souls of those whose Bodies were not bury'd, wander'd an hundred Years by the Banks of the Rivers of Hell, e'er they

monthly registy to pass over.

The Kerresigns being made, the fame Ceremonies were The Kerresigns being made, the fame Ceremonies were practised as a real Powersia. The Consemption were instribly with the Words of Education of Management Security; whereas to other Yang, wherein he Alexander ally deposited, were other Yang, wherein he Alexander ally deposited, were other Tombs, wherein the Ashes were really inserib'd D. M. S. q. d. Sacred to the Manes

When the Words Tactto Omine were added, it declar'd the Afhes inclos'd therein infamous for fome Crime. TOME, is a bound Book 5 or Writing that makes a just

Volume.

All the Works of fach an Author are compiled, and reduced into one, or more Terres. There are Terres in Folio, in Quarto, in Octavo, Duodecimo, ge.

The Councils printed in the Louvre are in XXXVII Terres. Selection of Christ in XII Years.

oce.

M. Winflow observes a kind of Tomestess in the secretory
Vestels of the Glands; and from this, accounts for the Secretion of the various Fluids from the Blood. See GLAND and SECRETION.

and Secretion.

TONDIN, in Architecture. Sec Tone.

TONDE, or Tune, in Music, a Property of Sound, whereby it comes under the Relation of Green and Music; or, the
Degree of Elevation any Sound bas, from the Degree of
Switteness of the Vibrations of the Parts of the Ionnous

Body. See Sound.

For the Caule, Measure, Degree, Difference, &c. of

For an example of Toyle Toyle or Toyle lefs open. See Voice.

leds open. See Voice.

Town, is particularly us'd in Music for a certain Degree
of Interval of Tene, whereby a Sound may be either raised
or lower'd from one Extreme of a Concord to the other a
fo as fill to produce true Melody. See INTERVAL and

Muficians, befide the Concords, or harmonical Intervals, admit three leffer Kinds of Intervals, which are the Meaters and component Parts of the greater; and are call'd Degrees: The Nature, Origin, Ufc. (3c. whereof, ice undersof, ice undersome er the Article DEGREE.

Of these Degrees, two are call'd Torres, and a third a stritone; their Ratio's in Numbers are 8:9, call'd a

is Face.

greater Tone; 9: 10, call'd a leffer Tone; and 15: 16, a The Tows arise out of the simple Concords, and are equal

The Town afte out of the fungle Concords, and are equal to their Differences: That the granes Time 8 to 9 in the the Difference of a leifler Tould and Fourth, or of a Fitch and fixed greater 3 and the Comition of part 16, the Difference of a leifler Tould and Fourth, or of a Fitch and fixed greater 3 and the Comition of the Concording 
Arminum. See Firm, Ed., See, in the Confinition of the Southern Mose Firm, Ed., See, in the Confinition of the South of Mother I bee Sealth.

Linear. Toxococynthes. Clinear. Clinear. Confinition Mothers of Clinear. Committee Confinition Clinear. Cli

TONGUE, in anasomy | See | GRAPTING, TONGUE, in Anasomy | See | GRAPTING, TONGUE, present | See | GRAPTING, TONGUE, in Medicine, it sply'd to a certain Motion of the Minglets, wherein the Fiotre being exceeded, continue their Extension in fach Manose, as that the Part ferms immovable, the for relative present in the pre

fwimming thro' the Air, Sc.

Galen lays, that the Muscles act even when at reft; for after having made any Contraction to fix themfelves in a certain State or Disposition; the preserving of that Contraction is what we call the Tonic Motion.

The Word is form'd from the Greek reisen, to firetch,
TON
TONNAGE See Tun.
TONNAGE.

TONNAGE S ore ETWINGTON TONNAGE S OF TONNAGE, A manufacture of the Manufacture of the Root of the month, are two cross Glouds, finate year the Root of femourable of the Manufacture of the Pauce, with which they are covered.

Each of them has a large oral Suna, which opera into which dickarge benefits with the gent Suns, or a mixed of the Manufacture of Octophagus, for the moistening and lubricating these Parts. When the Muscle Octophaguus acteth, it compresses the

See AMYODALE. TONSURE, the Art or Act of cutting the Hair, and
fhaving the Head. See Hain.

The Tonfare was anciently a Mark of Infamy in Frence 4.

infomuch, that when they would render any Prince incapa-ble of faccording to the Crown, they cut off his Hair, and

The Word is form'd from the Latin, tonders, to shave, TONSURE, in the Ramifo Church, is us'd for the Entrance of Admission into Huly Orders. See Onders.

or admittion into Holy Orders. See On Next.

In Propriety, Yenfare is the first Ceremony as d to devote a Person to God and the Church, by prefenting him to the Bishop, who gives him the first Degree of the Clericate, by catting off Part of his Hair, with certain Prayers and Benedictions.

Some hold the Toufare a particular Order; others, as in general.

in general.

The Toffure fuffices to make a Cleck: The reft is only to qualify him for the holding a Benefice.

A Perfon is capable of the Toffure at leven Years of Age s, hence a Benefice of simple Toffure, is such a one as may be enjoyd by a Child of sixen Years old. The Toffure is the Batto of all the other Orders.

Bâti of all the other Orders.

Towns is particularly wid for the Corons, which Prietts,

26, wat, as the Mark of facir Order, and of the Rank they

26, wat, as the Mark of the Corons of the Rank they

The Birtsch start to Mindsters and Dimensions of the
different Kinds of Yenferry, or Clerical Cossons to be pra
tical according to the different Degrees and Orders.

A Clock Yinghre, a Sub-Auton Yinghre, a Discord
Applier, a Priet Yolferry, are also Accordingly theger than

other Various are the Ceremonies and Cuitoms the Beard has various are the exerminates and Guilloms the Beard Roben liable to: Norgion failures up, that a confiderable Branch of the Religion of the Tarter's confilts in the Management of their Beards; and that they wand a long and bloody War with the Perfitters, and declar'd them Infidels, tho, in other Refipels, of the fame Brith with themlelses, merely because they would not out their Whiskers after the Mode or

because they would not cut tross Whiteres are me shode or Rite of the Tastast.

Althousus, from Coryoppus, observes, that the Greeks always wore their Beards till the Time of Mecandary and that the first who cut it at Althous, ever after bore the Addition of supers, shaven, in Medals. Plunarch adds, that Alexander commanded the Macadonians to be shaven, lest the

Length of their Beards floodd give a Handle to their Ene-mies: However this be, we find Philip, his Father, as well as Amountas and Archelaus, his Predeteflors, repreferred on Medals without Beards,

Medals without Ecards. Pliny obferves, that the Romans did not begin to shave till the Year of Rome 454, when P. Ticinius brought over a Stock of Barbert from Medys He adds, that stylpo Africa-ens was the first who introduc'd the Mode of shaving ex-

Day. Among that People, it became the Custom to have Visits made in Form at the cutting of the Beard for the first Time : made in form at the cutting or the beautiful for the first.

The first fourteen Roman Emperors shared, till the Time
of the Emperor Assim, who retain'd the Mode of wearing
the Beard, "Planarch rells us, he did it to hide the Sears in

Formerly there was a great deal of Ceremony us'd in bleffing the Beard; and there are still extent the Prayers us'd in the Solemnity of confectating it to God, when an Ecclefiaftic was thaven.

Ecclefalite was shaven. Perfoss of Quality had their Children shav'd the first Perfoss of Quality had their Children shav'd the sime by others of the fame, or greater Quality, who, by this Means, became Goddfarter, or adoptive Earther of the Children. See Anorrino.

Anciently, indeed, a Perfos became Godfarter of the Child by barely touching his Beard: Thus Hittorians relate, that one of the Articles of the Terapt between Missis and that one of the Articles of the Terapt between Missis and

that one of the Articles of the Herary between Alexic and Cheesis was, that Alexic Roundle touch the Beard of Cheesis to become his Godfather. See Gon-Jathers. As to Ecclesiatics, the Diliphilar bas been very different on the Article of Beards: Semetimes they have been en-joined to wear them, from a Notton of too much Soffnets

and Effentinacy in fhaving, and that a long Beard was more fuitable to the Ecclefiaftical Gravity; and iomerimes, againg they were forbid it, as imagining Pride to lurk in a venera-The Greek and Ramis Churches have been long together

by the Ears about their Beards: Since the Time of their Separation, the Romanifi Serm to have given more into the Practice of Baving, by Way of Oppolicion to the Greeks; and have even made from express Confitutions de radensis

Barbis. The Greeks, on the contrary, espouse very scalously the Cause of long Beards, and are extremely frandalis'd at the beardless lungage of Sains in the Roman Churches.

By the Statutes of Some Monafteries it appears, that the

By the occurred or tome monanceries it appears, to Lay Monks were to let their Beards grow, and the Priefls among them to flave; and that the Beards of all that were received into the Monalteries, were blefs'd with a great deal of Ceremony.

To let the Beard grow is a Token of Mourning in fome

Countries, and to shave it in others. Le Courte observes, that the Chinese affect long Beards extravagantly; but Nature the Chinyl affect long, Brande extravaganty; but Name hashald them, and only given them seep triffe once, which hashald them, and only given them seep triffe once, which hashald them, and the seep that the seep that the are throught enoyed by term on this Account, and offerend the greated files in the Woodfeet of the William as very few Yara, when the law Coat exploited them all to flaves; but when the law Coat exploited them all to flaves; but when the law Coat exploited them all to flaves; but when the law Coat exploited them all to flaves; but for his wood and otherwise part with them. Depth of the contract, that the Kinge of Hambald to the flaves of the coat of the coat of the coat of the form of the first Kinge of Force had their Boards formed from the first Kinge of Force had their Boards in the force of the first Kinge of Force had their Boards in the ACCOUNT of the Coat of the Coat of the Coat of the Coat of the ACCOUNT of the Coat of the Coat of the Coat of the Coat of the ACCOUNT of the Coat of the Co

and buttered with Gold. See Perrenue.
TOOLS, are fimple Infirmment, sud in the more obvious Operations; and particularly in the making of other more complex Informents. See Instruments. Tools are divided into Effet Tools, Spring-Tools, Pointed Tools, Constant Temperature.
TOOTH. See Train Temperature.
TOOTH ACT See Trains of

TOOTH. See TREVE.

TOOTH-ACH. See ODDNYALOY.

The Tooks-ach usually proceeds from a Caries which rots the Bone, and cast is hollow. For the Causes, &c. of this Caries; See TREVE.

Caries; See Territ.

Generimen i proportione Debision of a flury Max.

Generimen i proportione to Tarbono, a Belle muste of icit

Bread, and the Sced of Stramonia, laid on the Tooh affected,

abstrate the Pain. If the Teoth be follow, and the Pain

great, a Composition of equal Quantities of United and the Pain

great, a Composition of Carola Quantities of United April

great, a Composition of Carola Quantities of United April

great, a Composition of Carola Quantities of United April

great, a Composition of Carola Quantities of United April

great, and State of United April

great, and State the Same of United April

great, and State of United April

great proportion of Carola Quantities of United April

great proportion of Carola Quantities of Carola Quantities (Carola Quantities April

great proportion of Carola Quantities (Carola Quantities April

great proportion of Carola Quantities (Carola Quantities Q

Chymical Oils, as thofe of Origanum, Clores, Tobacco, Sfe, are also of Service, dethoying, by their hot Caulte Nature, the Texture of the fielble Veffels of the Tooth Staffeld of the Control of Services of Humours, and Importumation.

A Blifter

A Bluer apply I beauting are to both East, globan fill to contact of subsequently only a remodel with a but I believed with the plant of Hamourt, and feeding of the Genny, Rees, Er. Lainceant of Olimance of Martinadus, Alder, Er. midd, with Rens, Bandy, or given of Wine, campleoneted, are Mr. Capifelm mersions one card of the Tatles abb Papipung a famil causerting from to the Anthelia or the East, and the Capifelm of the Capif

Side of the Tace followed, whenever the Pain became score, or heartempted to Ipsak.

Sembirs, in his Texensis of Buster, maintains, that there is no better Means of keeping the Techn time and Sonds, in a best of the Sembirs, and the sembirs of the Sembirs, who wash their Texes the sembirs, which was the Texes the Sembirs, which was the Texes the Sembirs, which was the Sembirs of the S fmooth Polish, with which the Surface of the Teeth is co-ver'd, and which is their Prefervative from the ill Effects of Air, Aliment, Liquors, &c. which occasion Ailments of the

Dentifrices are usually compounded of Powders of Harts-horn, red Coral, Bone of the Cartle Fish, burnt Alum, Myrth, Dragon's Blood, &c. Some commend Powder of Bricks, as fufficient to answer all the Intentions of a good

Dentifice. See Dentifice. ToParcel.

TOPARCHY, a little State, or Signory, confiling only of a few Cities, or Towns, or a percy Country governed and poffer'd by a Toparch, or Lord.

Futae was anciently divided into ten Toparchies. See Phay, lib. 5. c. 14. and Joseph. lib. 3. de Ed. Jud. lib. 5.

c. 2, 86.
The last mention'd Author calls the Cities of Azotes, Jan mia, and Phalaelides, which Herod left by Testament to his Sitter Saloma, a Toparery.

Prevotiss only gives the Quality of Toparchy to the Kingdom of Edeffs; to Mgarus, the Toparch or Lord whereof there is a Tradition, that Jefus Christ fent his Picture, with a Letter.

The Word is form'd from the Greek, ring. Place, and

TOPAZ, a precious Stone; the third in Order after the Diamond, See Page 100s Stone.

Dismond. See Page 100 Stows.

The Tofshes is transparent; its Colour, a beautiful Yellow, or Geld Colour: I tis very hard, and takes a fine Polifh.

It is the true Chrysolite of the Ancients; and is found in several Parts of the Indies, in Ethiopia, Arabia, Peru, and

feveral Parts of the Indies, in Ethiopia, Arabia, Peru, and Babenian. See GIN FUGITS.

The Oriental Topicus are most effected it their Colour borders on the Orange: Those of Peru are forter, but their Colour much the fame: The Yellow of those of Topicus is a little blackfish; they are the fortest of all, and ener Io-lish the coaries. Those of Madagogles were in much Ettern, but are now held good for little.

The Conference of the Conference

but are now held good for little.

Testernier mentions a Testes, in the Possessine mentions a Teste, in the Possessine for Mogul, weighing 197 Caras, which cost 2090 List Sterling: And Bostins 48 Box, in his Treasile of precision for Box, in his Treasile of precisions, assume that have seen in the Cabinet of the Emperor Stones, aftirms to have feen in the Cabinet of the Emperor Rutolphius, whole Phylician he was, a Zopan above three Poot long, and fix Inches broad. Probably it might be fome Marble a little transparent, of a Zopan Calour. The Zopan is easily counterfeired; and there are fiftitions ones, which, to the Eye, don't come behind the natural

000th. If we might believe the Ancients, the Topes has very no-table Virtues; but those das now in Differentis: And yet re-Topes is of come Use in Medicine, reduced into an impalpa-ble Powder, and apply of in Waters. See Gess., Some Say, it takes its Name Topes from an Illand in the Red Sea, of the fame Name, where it was first found by "Mos. King of Mountinata's but was known on the He-

Total, King of Montriants y but it was known on the Internet before, as appears from the tells Perlon.

TOPHUS, in Michigine, as theory Conception Perlon.

TOPHUS, in Michigine, as theory Conception are years

Fronta) or in the flowing, 45c. See Growthers, 45c. Get

Fronta) or in the flowing, 45c. See Growthers, 45c. Get

Total or in a Tentific, just published, of the Urinner

Profifers, takes the Second to article from the Attraction of when irend with a Microforge, ferms to be made up: He

when viewd with a Microforge, ferms to be made up: He

whilm the Pallod Total Aggregates of filine Parriole, ought

generally to be furpoord to being in, or proceed from, the

inthe Bulder.

The Reason why Wine-drinkers are more subject to the

Stone, and other Concretions, than Malt or Water-drinkers, he fappois to be the volatile and faline, or earthy Particles containd in the Wine in greater Quantities than in the Ale, &c. A Calculus, he observes, reduc'd to a Capat Mortoum, will, upon the Affilion of warm Water, diffoler, and enterely mix 5 but in a floot Time will again fettle, and the Particles thereof to closely unite or attract, as that, by repeated Affusions, they cannot be brought again to distolve. See

LITHONTRIPTIC.
TOPIC, in Rhetoric, a probable Argument, drawn from the several Circumstances and Places of a Fact, &c. See PLACE, &c.

Topicus, or Topica, expresses the Art or Manner of in-recting and managing all Kinds of probable Argumentations: Aristoche has wrote Topicks; and Geera a kind of Commen-on them, to his Friend Frebatius, who, is feems, did not understand rhem

But the Criticks observe, that the Topics of Cierro agree fo little with those eight Books of Topicks which pass under the Name of Ariffeste, that ir follows accessivily, either that Ciero was much mittaken; which is not very probable; or that the Books of Topicks attributed to Ariffeste, are not wholly his.

Geore defines Topics, or Topics, to be the Art of finding Arguments, Disciplina Inventendorum Argumentorum. See

Arguments, Diffelius Inventualizam Argumenterens. See INVESTIGATION, AND ARTHUR ARTHU

MEDICINE, Such are Plaisters, Cataplastus, Blisters, Unguents, Salves, Collyriums, &c.

Coltymans, Sc.
The Goar is over card by Topicls: They may allange the Pain for a Time; but for Goar, the Source of the End more than the Topic of the Colty of th

the like; fisch as Surveyors let out in their rios, or mean Draughts of, for the Information and Satisfaction of the Proprietors, See Mar, Surveyerson, 5%. Yelgaraphy differs from Chorography, as a Particular from more General (Chorography being a Description of a Country, a Diocete, Province, or the like. See Choro-Country, a Diocese, Province, or the

Country, a Diocefe, Promises, or the little . Dec Ciongo-colarity of the confidence of the little . Dec Ciongo-Colarity of the confidence of the TORCH, 176d, a Sent of Luminouv, belong peoperly, a little of Suite, or Seite, Filmen, Cit. more, or lefs thick, lead of Suite, or Seite, Prince of the confidence of the shill of flowny Brightners. See Luxinsant. The confidence of the Torbert are und force Charch Creams, purchasing the Torbert are und force Charch Creams, purchasing the Charch, and at the Interneus of the power Rough. Charch, and at the Interneus of the power Rough. Tormershy deep were und at the Energies of while of the force, the Confidence of the Confidence of the Confidence force, and the Confidence of the Confidence of the force of the Confidence of the Confidence of the Confidence force, and the Confidence of the Confidence of the Confidence force, and the Confidence of the Confiden

TORCULAR, or Torcularis, among Chirurgions, a Contrivance for Hopping of Bleedings in Amputations. See

AMPUTATION.

TORCULAR Herophili, in Anatomy, a Name given to a Part in the Duplicatures of the Dura Mater; form'd of a Concourse of a Branch of the longitudinal Sinus, with the lateral Sinus's. See Duna Mater and Sinus.

lateral Sinue's See Duna. Mater and Sinues.
It has its Name Torcidor from its refembling a Prefs or
Sersev. Herophili is added from the Difcoverer's Name.
TORE, Ton us, in Architecture, a thick round Moulding
used to the Bafes of Columns. See Bash.
Tis the Bignest that diftinguifites the Tornis from the

firstal. See Astragal.

The Bafes of Tufens and Duric Columns have but o

Tore, which is between the Plinth and the Liftel. In the Astic Base there are two; the upper, which is the smaller; and an under.

and an under.

The Word is form'd from the Greek, view, a Cable, whereof it bears fome Refemblance; or from the Latin, Yorus, a
Bed, as being fupped to reprefent the Edge of fisch Matters
as fwell out with the Weight of the incumbent Column.
It is also called a thick Baton; fometimes in Contour exfembles half a Heart; in which Case it is called Bagants.

TOREUMATOGRAPHY, a Greek Term, fignifying the Knowledge, or, rather, the Defeription of ancient Sculptures, and Bailo-Relievo's.

The Italian Engravers have given a great deal of Light to is Science. See Science and Engraving. TOREUTICE, reserved, that Part of Sculpture, call'd Turning. See Sculpture and Turning. The Word is form'd of the Greek, rese@, or res@, Lath,

The Weed is formed of the Greek, rayed-, or rayed, Lath, of rayin, returbe, reprise Perry or Faction in Enginesis, opposition, TORRES, or Tourns, F. Perry or Faction in Enginesis, opposition, Tourns, F. Perry or Faction in Enginesis, opposition, and the Control of the Control

During the unhappy War which brought King Charles I-to the Scaffold; the Adherents of that King were first call'd Cavaliers, and those of the Parliament Round-Heast; which two Names were afterwards chang'd into those of Torres and Whigs, on the following Occasion.

Whigh, on the following Occasion.

A kind of Robbers, or Brashist in Indust, who kept on the Montanian, or in the Illinade Storick by the west Bogs of the Montanian, or in the Illinade Storick by the west Bogs of the Montanian of the Illinade Storick by the west Bogs of the Montanian of the Illinade Storick by the West Bogs of the Illinade Storick by the Illinade

acets, gave neurs me Auste of 18 etg., when it that gives ricks, in that Coarters, See Wrot.

The Cardiers, or Territ, Met then principally in View Clearliers, or Territ, Met then principally in View Clearliers, or Territ, and the Rome-lifetaile, or Whige, propored chiefly the outstraining the Kighir and Interests of me yet tell their fairt filed they are the three strength of the territ of the yet tell their fair filed they are the three strength of the yet tell their fair filed they are the time that they are the territ of the three strength of the three three strength of the 
lieved it fictitious. We finald here, confine outfelves to the Tariet; and for what regards the Whigs, refer to that Article; but fince by comparing and conferoning the two Parties together, both the one and the other will appear in the firenger Light, it would be imprudent to feparate them; fo that we rather chule to fay the left under the World Whigs, and refer thence

hither.

The Factions we are speaking of, may be considered either with Regard to the State, or to Religion.

with Regard to the Steel, or so Religine.

The Gaster Foisite are either violent on moderne: The first would have the Sorreeign to be abblaute to Registral, as in other Countries, and his Will no be a Law. This Farry, which is not very summerous, has yet been considerable; 1°.

On Account of its Lassleet, which have been Londs of the first Rink, and generally Ministers and Parounties. 2°. In that being that not the Ministry, in cause of the Canada Sorree to manustral fifty the Ministry, in cause of the Canada Sorree Communication of th

The moderate Tories would not fuffer the King to lose an The moderate Varies would not future the king to lole any of his Percogarives; but occiber would they facifice thole of the People. Thele, favs M. Rapin, are true Englipmen; have frequently fav'd the State, and will face it again when-ever it fill be in Danger, either from the violent Taries, or

from the Republican Whigs,

tram the Republican Whips,
The States Whips, again, are either Republican or Moderate: The first, according to one Author, are the Remains
of the First according to one Author, are the Remains
of the Managhy into a Commonsorealth. There must
be identically into a Commonsorealth. There must
be identical a Figure. that they only ferre so frengthen the
Purry of the other Whips. The Fritzen would perhause the
Woods, that all the Whips. The Fritzen would perhause the
Woods, that all the Whips. The Fritzen are videous
as the moderate Terrier; and defire the Covernmental way
to mentional on in manifest Poundation of the Difference in
ministrated on in macier Pomotheron of the Difference in

that the moderate Tories lean a little more to the Side of the King, and the moderate Whitge to that of the Parliament and People. Thefe last are in a perpetual Motion to prevent the Rights of the People from being broke in upon 5 and have formetimes taken Precautions at the Expence of the

Crosso. Before we confider our two Parties with Regard to Religion, it must be whiter'd, it are the Reformation, as early disc, it must be whiter'd, it are the Reformation, as early discount of the Reformation of the Refor

or Frieits bad equal Authority; and that the Church ought to be governed by Preblyberne, or Condificions of Frieits and Lay Elders. See Friedrynamin, 186.
After long Diplience, the more ondecate of each Party relax d a little of their Stiffnets, and thus form'd two Branche of moderate White, and moderate Toxics, with regard to Religion; but there was a onch prearer Number kept to their Frinziphes with inconceived the Trimonish And these their Frinziphes with inconceived the Trimonish And these constituted two Branches of rigid Episcopalians and Presby-terians, subfilting to this Day; and now comprized under the general Names of Whigs and Tories; in regard the first oin the Taries, and the latter the Whigs.

From what has been observed, we may conclude, that as

the Names Tory and Whig have a Regard to two different Objects, they are equivocal, and of confequence ought never to be apply'd without expressing in which Sense 'tis done; --For the tame Person may be, in the different Respects, both

A Fresbyreriam, for Inflance, who wiftes the Ruin of the Church of England, is certainly, on that Score, of the Party of Whigs; yet if he oppole the Attempts some of his Party would make against the Royal Authority, it can't be deny'd

would make against the Koyat Authority, it can rue carry or but he is effectually a Tory. After the like Manner, the Episcopalians ought to be eftern'd as Tories with Regard to the Church; and yet how many of them are Whigs with Regard to the Govern-

For the reft, the general Motives that have form'd and kept up the two Parties, appear, in the main, to be no other than the private Motives of particular Persons: Self-Interest is the Primum Mobile of their Actions; Ever since the Rife of their Factions, each has flruggled earnefily to get the of mete Pactions, each has itruggied entiretily to get the Advantage over the other; instinuch as from foch Supe-riority acture Places, and Honours, and Premotions, 156-which the presulting Parry distributes among its own Mem-bers, excludive of the contrary Parry. As to the Characters commonly attributed to the Whige and Zolivis The Yestri, five M. Rafirs, appear ferres and haughty: They extent the Whige with the Lift Contempt,

haughty: They treat the Whags with the last Contempt, and even foune-what hardly, when they have the Advantage over them: They are very hot and vehement, and proceed with a Rapidity which yet is not always the Effect of Heat and Transport, but has its Foundation founetines in good Policy: They are very fublich to change their Principles, as

their Party prevails, or gives Way.

If the rigid Presbyterians prevail'd in the Whig Party, it would not be lefs hor and scalous than that of the Torres; but 'tis faid they have not the Direction thereof; which gives Room to affirm, that those at the Head of the Whig Parry are much more moderate than the Chiefs of the Tories: Add, that they usually conduct themselves on fix'd Principles, proceed to their Eod gradually, and without Violence 5 and their Slowness is not less founded on good Politicks, than the Halline's of the Tories. -- Thus much, fays our Author, may be faid to the Advantage of the moderate Whigs, that, in the general, they maintain a good Caufe, evo. the flitution of the Government as by Law establish'd.

TORMINA, in Medicine, a Term used to express Pains to the General; but particularly a Species of Pain call'd Termina Veutris, or Abri; in English, the Gripes, See

Young Children are very often troubled with Gripes; 'tis upon this account, that Nurfes, in order to prevent or remedy them, ufually mix with their Space-meats, a little Brandy or fome Carminitive Seeds, as Carus Seeds, &. See CRIED-

REN.
Some Children breed their Teeth with violent Gripes, which is apt to turn to Convultions of the Bowels. See

In Adults, the dry Gripes is ufually cured by the Exhibition of warm Catharticks, fuch are Tincture of Hiera Piera, Elixir Schutis, Tincture of Rhubarb, &c. with the Affiffance

Opiatz. TORNADO, a fudden and violent Storm at Sea. See

TORNESOL, TOURNESOL, or TURNSOL, called alfo Heliotrope, and Sun-flower, and by the Botanitis Riciowides, [ L 11 ]

a Plant whose Flower is said to follow the Motion of the

a Phine whole Flower is fall to finition the Ameton et me Sam a and to arm full rewards it.

Some fully 'this benez' in takes in None, and account for the Some fully 'this benez' in takes in None, and account for the Some fully 'this benez' in takes in None, and the Sam, with the Heat which is Hronged to that Salet zoward the Sam, inclines naturally towards the fance; but orthers take the Opi-sion to back held it Salet from the Name, which was given it by Realized vin Appearance in the Time of the general Heats, None, have immortant the Same Bower of sale in Medicine; None, have immortant the Same Bower of sale in Medicine;

when the Sun is in the Tropic.

Some have imagined the Stan-Bower of safe in Modicine, but it is Reputation that Way is now out of Doors. In principal Ulfe in In Physics, in order to which, in Judice is indicated to the Control of the International Control wherewith the People of Langueste and Gone other Parts of Pronest, where its gross, prepare with they call the Termodife an Depressor or Firmful in International Control of Stanford Control of Control of Stanford Control of Contr

The Summers or Tops of the Plant being gather'd in the Beginning of Angulf, are ground in Mills, not unlike nur Oil Mills: Then, being put up in Bags, the Juice is expected.

with Preflex.

This Juice having been exposed to the Sun about an Hour, they dip Linnen Rags therein, and hang them out in the Air till they be well dried again. When, molifening them for formet time, over the Vapour of about the Pound Weight of quick Lime shaked in a fusicient Quantity of Urine, they lay them out again to the Sun to dry; to be again dipp'd in the Juice of the Ricionaides.

When they are dried for the last Time, they are in their Perfection; and are thus sent into most Parts of Europe, where they are used to time Wines and other Liquors, and give

they are alsot to trave Winers and other Liques, and give them an agreeable Cooking of Virging in Pathe or Cales, or Stones, protended to be the Juice or that Plant Infiffilled. Stones, protended to be the Juice or that Plant Infiffilled But there is Reafton to think it a Cheer; and to be the Jaice of fonce other Plant prepared after the like Manner; a the TOR PEDO, in Natural Hillery, a Sca-Suffi, famil booth "TOR PEDO, in Natural Hillery, a Sca-Suffi, famil booth among the Ancero and Modern Naturalling, for a remarkable surpose the Cales State of the Cales of the Sufficient State of the State of the Sufficient State of t

among the America and Modern Naturallities, for a remarkable Namboes's wherewith it litrics to he Amro fisch as ruch it. Various are the Account given as of this fingular Ellis, for America and Comment of the America and Comment of the America and Coloring the Appearance that Way, and Some that. But M Resumme, of the Prosech Academy of Sciences, and the Coloring the Appearance this Way, and Some that. But M Resumme, of the Prosech Academy of Sciences, and the Coloring the Appearance the Way, and Some that. But M Resumme, of the Prosech Academy of Sciences, and the the State ten a Citis-line and the the State ten a Citis-line and the Tolking and the the State ten a Citis-line and the Coloring ten and the Coloring t

has at length centres use. The factor Light.

The Twefeels Is a flat Fith, much of the Figure of the Thom-back; fulficiently described in most Treatists of Fiftee, and commonly enough found about the Costle of Fiftee, and commonly enough found about the Costle of Freeness, Gaffeen, See . the Flogue cat in without any Danger. See its Figure represented in Tab. Natural Hithury,

### Phenomenon of the Tonrano.

Upon touching it with the Finger, it frequently, though hot always happens, that the Perion feels an unsuful painful Numbrefs, which fuddenly feizes the Arm up to the Elbow, and fonetimes to the very Shoulder and Head.

and isometimes to the very Stounder and Head.

The Pain is of a very particular Species, and not to be deferibed by any Words; yet Medicans Lorentain, Bureli, Reeli and Reasoner, who all felt is everally, obstrue it to bear fome Refemblance to that painful Senfation felt in the Acm, upon thicking the Blow violently againft a hard Body; though M. Reasoner affines us, this gives but a very faint.

Idea thereoft.

In the first man the wonther entirely. If this best few Moments and the wonther centrely. If I Mah and a few Moments and the wonther centrely. If I Mah and the Month the Unified, how near force the holds had been been been present the state of the leaf as finish Effect; If he twuch it through the Interposition of any pretty thin Body, the Numberlais first twy confidensiby; if the Hand be prefix or yet frong aspiral; in, Mombredia the lets, but fill ill frong comply to oblige a Man between the state of th fpeedily to let go.

#### Theory of the Thenomenon of the Tonreno.

There are different Ways of accounting for this Rifiel ; The first is, that of the Ansection, who consumed themselves with Afriching 2 in Further 1 in State 1 in State 1 in State to depend on an Infinity of Corrolled's iffining continually out of the Fifth, but more copiously under force Corumitrous than others: This is the Opinion mode generally received joint gadepath by Riff, Ferminal and Lourismi. They explain themselves that 3 the Fifth controlled They explain themselves that 3 the Fifth controlled the trip of Corpolation, poper to have us \$6 the Notice 1 in State 2 in St

a Quantity of Corpuicles fit to numb the Part they infinuate themselves into; whether it be by their entering in too great abandance, or by their falling into Tracks or Passages

therefore mee; whether it, he by their entring in so were different to their Figure.

The third Account, it that of Merrill, who looks on this record of the property of the action, and that thire configure a paintal Namback in the Hand the property of the property of the property of the action, and that thire configure a paintal Namback in the Hand the property of the property of the property of the other north property of the property of the property of their north property of the property of the property of the Trajeck, like other the Fiftee, he obbree, it not al-belly a little Convent When there it the upper Part of the date any Numberlei in facts in touch of it, its Back, he found, all the Conventive of the back Parts of the Body's fone-tion of the property of the property of the property of the property of the back Parts of the Body's fone-tion. The two property of the back Parts of the Body's fone-tion of the property of the back Parts of the Body's fone-tion of the property of the back Parts of the Body's fone-tion of the property of the back Parts of the Body's fone-tion of the property of the back Parts of the Body's fone-tion of the property of the back Parts of the Body's fone-tion of the property of the back Parts of the Body's fone-tion of the property of the back Parts of the Body's fone-ty of the B

feinbly, it return'd to ist Convexity fo fwifting, that one could not perceive any Padling from the one to the other State.

The Motion of a Hall must of a Masket, is not, perhashing and the perhashing and the state of the sta

The Wonder is, how so soft a Substance, as that of the Fish, should give fo rude a Blow: Indeed a single Stroke of a soft Body could never have done it., But in this Cust, there is an Infinity of such Strokes given in an Infine. To explain the admirable Mechanism hercof, we must give a View of the December of the Property of the December of the Property of the Pro of the Parts whereon it depends

of the Paras whereon it depends.

The Mechanic, then, confish in two very fingular MariThe Mechanic, who can be a superior of the parasite of the confished by feveral Authors, who have given the Art. For the Confished Parasite of the Confished Art. For the Confished Parasite of the Confished Art. For the Confished Parasite Office of the Confished Art. For the Confished Parasite Origin as a list place of the Confished Parasite Origin at the Confished Paras

Origin is a little above the Macril a said they Left. Their forms each other by the Rienchia, into the laif of which help me each other by the Rienchia, in the laif of which help me and the laif of the laif of which they have the laif of which they will be the laif of the

would give Strokes, in fome measure, facesfive: For all Parts of fost Bodies don't firike at once; the Impetition of the last does not rake till after the first have done acting. But these feveral inclosines serve to augment the Niember of the Springs, and, of Confequence, the Velocity and Force of the

Attion.

Thefe quick re-iterated Strokes given by a feliifh Matter, flake the Nerves, fulfixed, or change the Courfe of the Animal Spirits, or fune Fluid equivalent: Or, if you had rather, rhefe Strokes produce an Undulatory Motion in the Fibres of the Nerves, which claffics or diffagress with that the fluid of the first of the Strokes produce the second by the Strokes produce and undulatory doction in the second by the Strokes Policy of the Strokes which claffics or diffagress with that the strokes the second by the Strokes Policy of the Strok they should have, in order to move the Arm. And hence the Inability we are under of using the same, and the painful

mfation which accompanies it. Hence it is, that the Torpedo does not convey its Num to any Degree, except when touch'd on these great Muscles ; so that the Pish is very fisfely taken by the Tail, which is the

Part by which the Fishermen catch it.

The Authors who have accounted for the Effect of the Torpedo from Torperific Effluvia, have been obliged to have recourse to the fame two Muscles; but then they only make them Reservoirs of the Corpuscles, whereby the Numbries is effected.

is encered.

Larenzini, who has observed the Contraction as well as

Resumer, precends that all its Use, is to express those Corpuscles from out of the hollow Fibres of these Muscles wherein they are imprison'd; but this Emanation of Corpuscles admit-ted by most Authors, is disproved by M. Reamsur, from the

ted by most Authors, a curproved by the general re-following Confiderations;

1º In that no Numburds is conveyed, if the Hand be at the finalled Diffance from the Tarpeto: Now, to use their own Compartion, if the Tarpeto numbs as the Fire warms, the Hands would be affected at a Diffance from the one as well as the other,

2º In that the Numbnels is not felt till the Contraction of the Mucles is over; whereas were the Caule in Yerparise Particles expressed by the Contraction, the Effect would be felt in the time of the Contraction. 3º In that were the Numbrels the Effect of Torporific Par-

icles, it would be convey'd by degrees, as the Hand warms

by degree.

Lally, in that the Topich conveys in Numbead to the Lally, in that the Topich conveys in Numbead to the Lally, in that the Topich conveys in Numbead to the Lally in the Health Conveys the Lally Conv by degrees,

from its too frequent Contacts on the Torpedo.

from its nonfrequent Constall on the Tierpels.

In the Hilliery of Anglitan, we are affuned, that if the Tierpels all lesing fifthed it was used to the Tierpels all lesing fifthed its many the terms of the terms o

Amenden, worth, plan the Parent to creat Jerment, but falled affirms a the story of the State of the State and the State of the State and the State of the State

Coals, all is become friable to the Fingers.

Thripffilm is partially with, when after reducing fonce
Dong, as Rhabards, or Mystablans into Dowler, it's lind on
an lorn of Sher Flatt, and that place dover a moderne Flee
till the Powder begin to grow darkills, which is a Mark
though Remedies have fool their penguist virtues, and have
acquired a more afferingene one. Dee Rursans, Set.

The Word is formed from the Legions, to get consult.

Formeris, they and to made of the one of the manning one from the management from the angle of the set of the

Medicine; but the Effeit was, that its volatile Spirits and Sulphur, wherein its greatest Virtue confiss, were hereby

Sulphur, wherein its greateft Virtue confifts, were hereby exporated. See Optima.

TORRIENT, TORRENS, in Geography, an impetuous Sreem of Water, falling fuddenly from Mountains wherein there have been great Rains, or an extraordinary Thaw of Snows, and making great Ravages in the Plains. See RIVER, Go.
TORRICELLIAN, a Term very frequent among physical Writers, used in the Phrases, Torricellian Tube, and Terricellian Experiment, on account of the Inventor, Torricellia

ricellian Experiment, on account of the Invencer, Tarricelli, a Diffciple of the great Gallies.

The Torricellin Table is a Glafa Tube, as A.B., about three Foot long, and 3 2 of as Inch in Diameter, repeclement (Lisb. Paramattics, Fig. 6.) whose apper Orifice A is herencically failed.

ermerically fealed.

hemesically field.

The Tonaccutana Enferiment is performed by filling the Tonaccutana Enferiment is performed by filling the Tonaccutana Enferiment in the Tonaccutana Enferiment Confide R, with the Finger; is received, and the Take Inflamed to this in a Vettle of Signature Mercury. So Macrowr. This does, the Finger is recoved, and the Take Inflamed Tonaccutana Enferiment Enf

Tube by the Prestare of the Atmosphere on the Surface of the stepans. Mencary; and according as that Atmosphere is more or lefs heavy, or as the Winds blowing upwards or down-wards, heave up, or deprets the Air, and to increase or dimi-nish its Weight and Spring, more or lefs Mercary is fathaind from 28 Inches to 31. See Airs and Atmosphere 22.

The Torricellian Experiment makes what we now com-monly call the Baromeier or Weather-Glaft. See Barome-

monity cell to confine and the Traft of Earth lying under the Line, and extending on each Side to the Two Tropicks; or 10.32 process and a Hill of Latitude. So: Flow're, Econ., (gl., process) and the Traft of Latitude. So: Flow're, Econ., (gl., process) and the Line and Lin

meme, in his own Wrong, Sec. Hence also Yert-feeder, Sec. The Word is past French.

TORTEAUX, in Hersldry. Sec TOURTEAUX.

TORTOISE-Steel, the Spoils or Cover of a Telfaceous Animal, call'd a Terreife; used in Inlaying, and on various other Occasions, as for Smitt-Boxes, Combs. Sec. Sec. Tegracaous and Sarria.

There are two Kinds of Tortoiles, vit, the Land and Sea

2 oresign. The Sea Tortsife, again, is of four Kinds, wie. the Frefit Tortsife, the Cares, the Catholasum, and the Leger-bu: But this the Cares alone furnishes that beautiful Stell, for much admired in Europe.

The Shell of the Cares is thick, and confifts of two Parts, the upper, which covers the Back, and the lower, the Belly; The Two are joined together at the Sides by Arong Liga-

ments which yer allow of a little Motion. ments which yet allow of a little Motion.

In the Fore-part is an Aperture for the Head and fore
Logs: and behind, for the hind Legs and Tail!.

This the under Shell does is a field: To feptrate it from
the upper, they make a little Bite beneath it; and affion as
ever this warm, the under Shell become shift perpetible from
the upper, with the Finant of a Kuslis, and is taken off in
the upper, with the Finant of a Kuslis, and is taken off in
did. Joing named to Not some, over a new Shell.

The whole Spoils of the Caret confift in 13 Leaves, 8 of them flat, and 5 a lirtle bent: Of the flat ones, there are 4

large ones, about a Foot long, and 7 Inches broad.

The beft Shell is thick, clear, transparent, of the Colour of Antimony, ferinkled with Brown and White. When used in Marquettry, 15c. the Workmen give it what Colour they pleafe, by means of colour'd Leaves, which they put under-

neuth them.

In Generation, Randaltius observes, the Embraces of the Mole and Fermic Sat Tetraplic, continue for a whelt Laura the Mole and Fermic Sat Tetraplic, continue for a whelt Laura the them Manuer as the Dolphin. On the Brieflines Shore, they are fail at to be 60 big, as fomenimes to dime Fourfect, but a fair than the Brieflines Shore, they are fail at to be 60 big, as fomenimes to dime Fourfect with a fail of the Satisfact of the Satisfact Sat Men on their Backs.

TORTOIS in the Military Art. See Tarrupo.

TORTOIR, a grievous Pain inflicted on a Criminal, or
Person accused; to make him confess the Truth. See QUESTION.

QUESTION.

The Forms of Tortage are different in different Countries.

In some they use Water, in others Iron, in some the Wheel or Rack, in some the Boot, Thumbkins, &c. See Rack.

In Engines, the six of all Terrors is shall be, both in Criti and Criminal Manters, and eres in Coffee High Treation, she frenching like it fill detains, where the Cri-minal refutes to pland. See Parass for the See. In Proceed, the Terrors is not predicted in Criti Manters in the Terror, the Terrors is not predicted in Criti Manters in a Critisal Crime, he may be part to the Quellien, i.e. to the Territor, if there be considerable Proof against him, and yet Terrors are two Kindle of Terror Income. The Property of These are two Kindle of Terror Income. The Property appropriate of the Critical Critical Critical See Terrors and the Con-tract of the Critical See Terrors and the Con-tract of Parass and the Con-

The Preparatory Torture, is order'd Manentibus Judicits, fo that if the Accused don't confess, he cannot be condemn'd to Death, but only ad amnia citra Martem.

to Death, but only as comma erra Marten.

The Dightive Verture, is that a condemn'd Criminal is put to, to make him confeis his Accomplices. The Ordinary Terrure is given at Paris with Six Quartes of Water, and the little Trefile; and the Extraordinary, with Six other Post, and the great Trefile.

In Scatland, the Torrare is given with the Boot. See

Boor.

Boor.

In fome other Countries, by heating the Criminal's Feet 3 in when, with Yedges, 25.

In when, with Yedges, 25.

Grant of the Countries 
hence it is faid to be totres Also that which is paid is to be totted. See Exche-

TOTUM. TOTUM. See WHOLE. TOUCAN, in Aftronomy, a Conflellation of the South-

ern Hemisphere. See Construction TOUCH, in Music, An Organ is 1 TOUCH, in Music. An Organ is faid to have a good Touch, when the Keys close, and lie down well 3 being neither too loofe, nor too fiff. Sec ORGAN.

Touch the Wind, in the Sea Language, is when the Steer's man at the Helm is bid to keep the Ship as near the Wind as may be.

ind as may be. See STEERAGE.
TOUCHING is for etimes us'd for the Sense of Fooling. E FERLING. TOUGHING, in Geometry. A right Line is faid to touch a Circle, when it meets it in fach Manner, as that being pro-duc'd it does not cut, but falls without the Circle. See

TANGENT.
TOUCH flowe, a black polish'd Stone, us'd to try Metals

upon. See Stone.
The Ancients call'd it Lapis Lydius, the Lydian Stone, from Lydia, a Country of Alia minor, whence it was The Moderns call it Touch-flows, in regard the Proof they

make of Metals, is by reaching or rabbing the Metal to be try'd on the Stone, and comparing the Colour of the Mark it leaves thereon, with the Mark of another Piece of Metal of the same Species, whose Goodness is past doubt. See

TOUR, Turn, a French Term, often us'd among English Writers, for a Journey. Thus we say the Tour of Paris, of Rome, &cc.

Tour of Hair, a Trefs, or Border of Hair, going round e Head, which mingled dexteroully with the natural Hair, the Head

lengthens and thickens it. See Hara.

Thefe Tours are for Men.—The Women likewift use
Tours, and false Hair, either to hide their Age, or to supply the Thimness of their natural Hair on the Forehead

ply the home and Temples is different according to the Mode; fometimes The Form is different according to the Mode; fometimes flraight and laid flat along the Forehead. See Park UKE.

Forehead. See Park UKE.

Forehead. See Park UKE.

Rope, is faid to be cound after her.

TOWAGE, the haleing or drawing a Ship or Barge by
Men or Bearly, or by another Ship or Boat, failen'd to her;
in order to make her enter a Port, aftend a River, or the like. in order to make the element a Fort, alcend a Alver, or the like.

The Term is also as if for the Money, or other Recompence, given by Bargemen to the Owner of the Ground next the River where they ized a Barge or other Veild, for the Liberty of pating along the Side thereof.

The Word is probably derived from the Saxon, Tean, to

draw.

TOWER, a tall Building, confifting of feveral Stories, and usually of a round Form. Before the Invention of Guns, they us'd to fortify Places

with Towers; and to attack then Wood, mounted on Wheels, to fet the Befingers on a Level with the Walls, and drive the Befingd from under the

These Tomers were sometimes 20 Stories, and 30 Fathom high: They were cover'd with raw Skins, and an hundred Men employ'd to move them.

Tovors are also built to enable one, by their Elevation, to view to a great Diffance. These are of all Figures; as, square, round, pentagonal,

See PHAROS

Cle. See Figures.

In China is a firmous Teener of Porvelsin, whereof the Dutch relate Wonders, See Poss.Chain.

Towers are also built for Fourteffes, Prifons, Se. as the Towers of London, the Towers of the Baffille, Sc. See

FORTIFIED Place. The Tower of Lenies is not only a Cittadel, to defend and command me City, River, &c. but also a Royal Palace,

The Years of Leaden is not only a Cittadel, to defined and command for City, Netw., Och. and follo Royall Blanca and command for City, Netw., Och. and follo Royall Blanca and Command for City, Netw., Och. and Ammunician for Geono Soldiers; a Trutingly for the Joseph and Ammunician for Geono Soldiers; a Trutingly for the Joseph and Ammunician for Geono Soldiers; a Trutingly for the Joseph and Archive, wherein our perferred all the ancient Records of the Court of William Commander of the Court of William Commander of the Court of William Court of the Co

prints, or the a comp, where for others, or of the property of the a break prints of the prints of t

counted the May a Louisine Servants: I neit Luty is to ac-tend State Priloners, and to wait at the Gates: Ten of them to be upon the Day's Wait, to take account of all Per-lons that come into the Tower, to enter their Names, and the Names of those they go to: Two of them are on the Watch all Night. See Warper.

the Names of most new go to 1 kwo of timen are on me which all Night, See Waxensa. Court of Record cerp Mondry, by Prefeription, fee the Liberry of the Forence, Bedder, by Prefeription, fee the Liberry of the Forence, Bedder the another Liberry of the Forence, which adjoin to 11, the 6th Armillery Garden by Spittle Fields, and the title Mineries, are within the Forence Liberry; within which in the Mineries are within the Forence Liberry; within which we will be a supported by the second of the Court and Authority, are Shortfly within belter (Fields).

as Sheriffs within their respective Counties,

NANCE, EC.

Hollow Towar, in Fortification, is a Rounding made of the Remainder of a Brifare, to join the Courtin to the

Orition.

TOWN, a Piace inhabited by a confiderable Number of TOWN, a Piace inhabited Digree between a City and a Williags. See VILLOON, 26.

This very hard to give a tolerable Definition of a Youn, a regard the Idea is a little arbitrary and unfixed. A Youns is generally without Walls, which is the Characker that tilks all yditingualities it from a Gity: But this does not hold all yditingualities it from a Gity: But this does not hold See CITY

We have feveral Kinds of Towns; Borough Towns, Marwe have reveral kinds or zeomit; horough Yossel, Mar-ket Yorse, County Journs. See Basoura, &c. TOXICA, a Sort of Poison, faid to be used by the Indi-ant to their Arrows, in order to render Wounds made by them incurable. See Poison.

The Indians are supposed to posson their Arrows, Daggers, 850, with the Virus of Vipers, the mischievous Effects whereof continue a long Time after the Matter is quite dry'd up,

See Vinen.

TRABEATION.

TRABEATION, in the ancient Architecture, the fame with Entablature. See ENTABLATURE, It conflits of three principal Members or Divisions, eve. the Architrave, Freeze, and Cornice; seath of which conflits of divers lefter Members and Ornaments. See Architrave, Freeze, and Cornaments.

FREEZE, EG.

Farsta, G.
The Proposition, Mombers, G. are different in the feweral Orders. See Oraniza, fee also each Order apart,
That Cag, a Make ee Impedition which may thing leave
behind it is pulling over another.
These of the Broni, among the Correlan Paladephers.
These of the Broni, among the Correlan Paladephers.
These of the Broni, among the Correlan Paladephers.
Deep the Correlance of the Batan, by means of the
Organs of Senio, See Baars.
Therefor impeditions are also call of Traces of the Orject Therefore the Correlance of the Datan of the Origin Therefore the Correlance of the Datan of the Origin Therefore the Correlance of the Origin Therefore of the Origin Senior of the Origin Therefore of the

The Coartí of the Animal Spititis ferves to keep them us, and to recew them. See Spiral, The Vivactivy of the Enagnation articles from the prodigious Quantity of Tracts of different Objects in the Brain, which are 10 link? I together, that the Spiritis cannot be feat into one of them, but they run into all the rell, by which Means the Ideas occasiond by the Application of the Spiritis control to those feveral Tracter, are all excited, as it were, at once. Nemory, according to the fame, confifts in the Traces
which the Animal Spirits have imprefe'd. See Memory,

which the Annian Sprins have impress 0. See Picknow,

Tha Act of a Hare, among Hunters, is her Footing in the
Snowy diffined from her other Treadings, call'd Dendling
and Pricking, 8c.

Traces are all to the Tracks of ravenous Beatts, as Wolves,

Yester are and the wild Bears, See and the wild Bears, See an Anatomy, a large Artery, call'd ails After Arreira, and popularly the Wind-Sipe; being the Canal or Tube which carries the Air into the Lungs, for the Use or Tube which carries the Air into the Lungs, for the Use or Tube which carries the Air into the Lungs, for the Use or Tube which carries and Voice.

The Head or Cover of the Traches Arteris is call'd the

Larynx. See LARYNX. Its Cartilages are in Form of Rings, flat on one Side, and not finishing the whole Circle, but representing the Figure of an ancient Greek Sigma, whence they are call'd Sigmoides.

an accine Greek Sigma, where they are cill'd Sigmelet.

See Annah. May had a Vertiller, in a Letter by Mr., John
Ken, recommoding the more frequent Uie of Laingesten
ye, of Opening of the Wind-pipe usen perificing. Coctains,
which he structure for the Wind-pipe usen perificing. Occasions,
which he structure for the Wind-pipe usen greating. Occasions,
which he structure for the Wind-pipe usen structure as the Structure

For John Control of the Wind-pipe usen structure

For Allendria, in Accinica, a Roughest or Affertry of
the inner Part of the Falpebra, attended with an Itahon,
Renderd, and Roughest with Visitor, strending Military

Renderd, and Executively with Visitor, strending Military

Its Degrees are the Syegis and Tylgis. See Sycosis,

In Degree are on TRACT, from the Lain, Traffin, properly denotes an Extent of Ground, or a Fortion of the Surface of the terrapeous Globe. See TRARAQUEOUS, 1500. 1700.

TRACTION, drawing, the Action of a moving Power whereby the Moveable is brought nearer to the Mover; call'd also direction. See ATTRACTION.

whereby the inoveance is brought nearer to the mover; can a alia Attrelline. See ATTRACTION.

TRACTISIN, in Geometry, a Curve Line 3 call'd alfocettemaria. See CATENNAU.

TRADE, Triffic, Commune.

TRADE, Triffic, Commune.

TRADE, Morey, Money, M

For the Origin, Progress, So. of Trade. See Com-"TRADE-winds, are certain regular Winds at Sea, blowing either constantly the fame Way, or alternately this way and that; thus call'd from their great Use in Navigation and the Indian Commerce. The Trade-winds are of different Kinds; fome blowing

The Trade wires's are of different Kinds; fome blowing three or fix Months of the Year coe Way, and then the like Space of Time the opposite Way; very common in the Inties Sea, and call d'Aughorst. See Monxoon.

Others blow conflaintly the fame Way; fuch is that general Wind between the Tropicke, which off at Sea is round to blow all Daylong from East to Wett.

For the Phanomena of each, with their Physical Causes,

Dr. Lifer has a Conjecture in the "Philipphical Transition," upon that the Triginal, on Verticement, art is, in pages I must that the Triginal, on Verticement, art is, in present the daily and cominest Breath of a Sea Hans, called Quantitats from \$6'' on \$8'' North Lattined, or elicithetes proposed to deeped texts.——For the Master of Winderland, and uniform; whereas the great Vertice of Trees and the size of the proposed of the Vinderland of the Proposed Conference of the Vinderland of the Vin Dr. Lifter has a Conjecture in the Philosophical Transacti

rection of the Producerus' is, in some measure, also owing to the Course of the Sun.

Die Gowson has another Hypothesis: The Atmosphere, which fatroonsh the Earth, and moves along with it in its Diurnal Morien, he supposes to keep Pace therewith; that Part of it, at least, which is near the Earth; if the remoter Part should be judg'st to loie Ground.

If then there was no Civil and the Mandalant of State of the Part should be judg'st to loie Ground.

Part flood be jedg'd to lote Ground.

If then there were no Changes in the Attracphere's Grasty, he floppolis it would always no along with the Earth
ty, he floppolis it would always no along with the Earth
the Charlest of the Charlest of the Charlest of the
Line beng carrendy rarify'd, in Syring expanded, and fo
its Gravity and Perform could helf in the neighboring its
formity and Perform could helf in the neighboring to
Motion towards the Ealth, and magnetic of the gravity
Motion towards the Ealth, and the property of
Motion towards the Ealth, and the continual Bacset from Earth
Wettwards, and make the continual Bacset from Earth
Wettwards, and make the continual Bacset from Earth
Wettwards, and make the continual Bacset from Earth
Tab ADITON, he Ad of delivering a Thing into the

Hands of another.

The Sale of a Moveable is compleated by a simple Tradi-

tian. See Liveny.

The Transport of Matters of Religion, is apply'd to thefe Laws, Dechraes, Relations, Es. which have been handed down to us from our Proce-Enthers, without being written.

Taking Tradition in this Sonle, for every thing relating to Faith, or the Rites and Coremonies of Religion thus derived the section of the Rites and Coremonies of Religion thus derived the section of the Rites and Coremonies of Religion thus derived the section of the Rites and Coremonies of Religion thus derived the section of the Rites and Coremonies of Religion thus derived the section of the Rites and Coremonies of Religion thus derived the section of the Rites and Coremonies of Religion that the Rites

Fatth, or the Rites and Ceremonies of Religion thus deriv'd down to us from the Primitive Church, there are two Kinds, viz. Applicial and Ecolophilical Tradition. Applicial Tradition, which is what we properly call Tra-dition, is defined from the Apollies to us, thro'a continual Surrefilm of the Existed.

accession of the Faithful.

Succeimen of the Fhithful.

By that Tradition, is given; it is that the Holy Set Traces and as to the Spirit or Scote thereof: That Tradition, the Consolid of Tradition challenges with the Set Traces and as to the Spirit or Scote thereof: That Tradition, the Consolid of Tradition challenges is the Set Tradition of Tradition and Tradition and Tradition and Tradition and Tradition and Circumstances of Consolid Conso

into Written and Unwritten,
Written Tradition, is that whereof we find fome Traces in
the ancient Fathers and Doctors.

the ancient Fathers and Doctors, Unwritter Tradition, is that whereof we find no Signs or Footfleps in any of the Fathers extant. The Church of Rome preceds to be the DepoStary of each Kind: Tradition, the bolds to be abbourely necessary in the Church, grounding this Necessity on the Promits of Infallibility which Jefus Christ is presented to have made Yet others of that Communion deny Tradition, how ex-

We other of the Commonion dray Trichline, how excellent fever it may be for the Rechaing of Herricks, to the ship of the the Rechaing of Herricks, to the ship of the the Rechaing of Herricks, to the ship of the the theory of the the Commonion of TRADPHONARY, TRADPHONARY, and Rechain of TRADPHONARY, TRADPHONARY, and the ship of TRADPHONARY, TRADPHONARY, and the ship of TRADPHONARY, TRADPHONARY, and the ship of TRADPHONARY, TRADPHONARY, and the ship of TRADPHONARY, and the ship of TRADPHONARY, and the ship of TRADPHONARY, and the ship of TRADPHONARY, a Name given in the ship of TRADPHONARY, and the ship of

ings to the Perfecutors.

The Enemies of Religion, even under the old Law, made their utmost Efforts to deprive the World of the Holy Scriptures: In that cruel Perfecution which Antiochus rais'd Scriptures: In that entel Perfection which Antichers ravid against the Jews, the Books of the Law were very latic totally lought after, tore, and burnt, and sich as kept them put to Death; as we read in the first Book of Marcale, cap. 19. 59, and 60. Deathfalm sense of the death as the sense of the sens

in 29, and 60. Emelling mean'd the fame Impirty, by an Edich published mean'd the fame Impirty, commoding all the famel flower to be longer to the families of the famel flower to be longer to the families of the famel flower to the famel flower to the famel flower to the famel flower flower flower to the famel flower flowe

or Veiliei, Bould or cepou a 1000.

THADUCIANS, TARULLANI, a Name the Pelegians anciently gave to the Catholick, because of their teaching, into original 500 as a translation of most three to Catholica in the Way of Ceneration. See Chatonani Seine Seine Catholica The Word is formed of the Latin, ration, which was the Catholica The Word is formed of the Latin, ration, which was consist from treation, I transfini, or make pair from one to own-fire.

At prefent, fome give the Appellation Traducian to fuch as hold that the Souls are transmitted to the Children by the Father.

TRADUCTION, the Translating, or turning out of one Language into another. See TRANSLATION.

The Word is form'd of trans, beyond, and duce, I lead,

TRAFINE, among Surgeons, an Instrument, call'd also Trepanum, Anabapiston, Mediclus, &c. See Trepanum and

Apparatus Announce of the Morotous TRAFFIC, See TRAP and Commerce. The principal Troffic in Multowy, and the North, is in Furs and Skins: The great Troffic of the Dutch in the Eaft is in Spices: The Troffic of Money is modify carry'd on at the Switzers. The Word is form'd from the French, Trafic, and that from the Halian, Trafic, which is again borrow'd from the

"Models, GLGANTH, or ARIAGARYH, a kind of Gun Wan at the foliation and a lab Tronk and larger Branches of a Plast, or little Siruh, of the fame Name, See Gus-The nathed Hillocks of Monet His in Charles, M. Yderns-fort tells us, produce a deal of the Plant Trigogeneths, which give the Gum Ipintacously towards the End of June, and in the following Mundis; when the outrition Juice of the Blant, thicked by the Hista, buttle model of the Vittle is

is contain'd in.

is contained in.

This Jusc coagulars in Threads, which make their Way
into the Paret of the Bark, where being pull'd forwards by
into the Paret of the Bark, where being pull'd forwards by
the way line, they get thro the Bark, and are at length harden'd in the Air, either into little Lomps, or into twifted
Preces in Form of little Worms, more or lefs long according, to the Matter they are form'd of:

ing to the Matter they are form'd of; It flood feem too that the Contrastion of the Fibres contributes to the Experison of the Gaos: Those fine Fibres, like those of Hemp, laid bare and trampled under Foot by Men and Horfes, contrast themselves, and facilitate the Expercision of the extravalted pine.

The Plant grows also in several Places of the Levisit, particularly and the contrast the plant grows also in several Places of the Levisit, particularly several plants of the Plant grows also in several Places of the Levisit, particularly several plants of the Plant grows also in several Places of the Levisit, particularly several plants of the Plant grows also in several Places of the Levisit.

The Plant grows also in feveral Places of the Leount, par-ticularly shown Motifies.

The Word is termid of the Greek, respec, Goat, and speede, Thene, by Reasion the Plant is befer with Thorns.

The Gunt is of different Colourt, and Qualities; fome being white, other-fome greyifft, some red, and some almost black. The white is the belt. It must be chosen clear,

biac. The white is the bettl. It must be cholen citers, mooth, and rolled like little Woom, Menthaum, which it. It difficient could be a proposed to the control of the transport of the country of the country of the country of the transport of the country of the country of the country of which makes it of Berrier for the country of the country which makes it of Berrier for the country of the frequency of the country of the country of the country of the gapinit the White is Wooms.

againit the Whitee in Women.
TRAGEA, in Pharmacy, a Term frequently used to expets Fouciers group beat 3 but now obtactes. See Powpar, TRAGEDY, a Dumaits Four, representing form signal Altion, performed by illustrious Ferfons, and which has frequently a fall life or End. See Daama.
Affiguet more Scientifically definer Fragedy, the Innitation of one grave and entire Action, of a just Leaght, and which,

without the Affiliance of Narration, by raising of Terror and Compation, refuses and purges oue 'Affions. This Definition has given the Cruttch's form Perplexity 3 and Comulis' declares he cannot reconcile Artificial hundler. The Indiance Artificial circle, he thinks, ruin his own Definition. He even denies the purging our Paffions to be the End of Progody.

Our English Authors are more favourable to the Definition: By the purging our Paffions, they understand not the extie-paring them, but the reducing them to just Bounds; for by shewing the Miferies that attend a Subjection to them,

by measuring and interfers that attend a Subjection to them, it teaches us to watch them more narrowly, and by feeing the great Misfortunes of others, it leftens the Senfe of our own. Fragges, in its Original, M. Healthm, observes, was only a Hymn sing in Hosour of Macchins, by several Persons, who, more them with a Corner of Made. who, together, made a Chorus of Music, with Dances and Instruments. See Gronys.

As this was long, and might fatigue the Singers, as well as tire the Audience; they bethought themfelves to divide the finging of the Choras into feveral Parts, and to have certain Recitations in the Intervals.

Recitations in the Intervals, Accordingly, Thelefis first introduced a Person upon the Stage with this View: Æsteylus sinding one Person insuffi-cient, introduced a Second to entertain the Audience more agreeably, by a kind of Dialogue: He also cleath'd his Person more decently, and first put them on the Buskin. See Cothurnus.

Sec OSTRURARUM. The Preference was the Berginston on the Score, The Perform who made their Recitations on the Score, The Perform who made the Preference was the Preference of the Reginst of the Chorus, whereoft hey were no excelled Philipses. See Estimons. See Estimons. See Estimons. See Estimons of the Preference was the Preference of the Preference was the Preference of the Preference of the Preference of the Preference that they introduced to Thirds And Breat the Creek Heart to have flought as I tall. Thirty expert that they introduce from Septems on the Entire Steme.

See PERSON.

Tragesty and Comedy were at first confounded with each other; But they were afterwards separated; and the Poets applied themselves to the cultivating of Tragesty, neglecting

Comedy. See Coneny.

When Tragedy was got into a better Form; they changed the Measure of its Verse, and endeavoued to bring the Action within the Compati of a Day, or of a Revolution of

Addies within the Compati of a Llay, so of a Kevoluton of the Compation of a Long-type for Togolay, for Acr., Scare, Far. B. Carrier, John S. C. Carrier, Manuera, Cr. L. Carrier, Lanc., Glabactera, Manuera, Cr. L. Carrier, Lanc., Glabactera, Manuera, Cr. L. Carrier, Lanc., Glabactera, Manuera, Cr. L. Carrier, L. Carrier, L. Carrier, L. Carrier, L. Carrier, C. Carr

The Humour of thete Pieces ran woncerous among use People, information at little time there were form'd feveral Societies, who began to vie with each other: One of these, to engage the Town from the red, began to interest various locatents, or Epifedes, which they diffirluted into Acts, Scenes, and as many different Perfons as were necessary

for the Representation.

for the Reprefenation.
Their first Effay was in the Zeorg S. Meavr, and their Subject the Passino of Oas Saviour. The Prevet of Paris' probability their continuing of it, they made Application to Court; and to render it the more favourable to them, erecked themselves into a Fryay or Fraterialy, under the Utile of Bretzers of the Passino as which I the has given some Oceasion to slaped; them to base been an Order of Religious, or

to infect them to have been an Order of Religious, or Farins of the Fallen, and approving founce of the Firety, and the Fallen and approving founce of the Firety, and them Letters of Esthit/Innear in 1402, 1 upon which they built a Theser; and for an Age and a Half, 3 deed none but gave Pieces, which they called Moralities; till the Fallen and the Fallen and the Fallen and the Sallen and Fallen and the Fallen and the Fallen and the Fallen and the Tais Mixtone of Fare, and Kelnjon, differating many; a tree were re-called in the Park Park and the Park were re-called in the Park and the Park were re-called the Park and the Park were re-called the Park and the Park were re-called in the Park and the Park were re-called the Park and t

mey were re-establind by an Arret of Parliamentin 15,8,0 condition of their acting more bur proface, lawful and decent Subjects, without intermedling with any of the Mytheries of Religion; and thus were the Brothers of the Passion delipol'id of their religious Characler; upon which they mounted the Stage no more in Person; but throught up a new Set of Comedians, who acked under their Direction.

a new Set of Comedians, who abled under their Lirection,
Thus was the Drams diabilified; and on this Foundation
arrived in England. In process of Time, as it was improved,
it became divided into Branches, agreeable to the Parlice
of the Ancients, and the Nature of Things, etc., into
Triggey and Comedy, properly localled, and this latt again,
was the divided into part Comedy and Farce; the each under
the proper Head, Come EN, Ef.

TRAGIL

TRAGICOMEDY, another hind of Dommit: Ever, representing flows allon pairled image jenual performance between the Event whereof as not unlargely or bloodly and wherein is figurement adminted allourance belief prisona Gazardiere. On Compositions, wherein the Serious and Comie and Mendell. Now for does the Epidere M. Carradie gives them of Elime Camelies, excells their Irregulativi.

The Composition of the Compo

other. The Ingi-Comety was formerly very common on the Buijib Stages Scarce fach a thing in the 14th Century, as a pare I'llaged without a fjice of Comedy, or Farce to make the Feople laugh. Now, that the Stage and our Tailes are brought meart to the Model of Nature and the Ancient, when the Common of the Com

TRAGUS, in Anatomy, one of the Protuberances of the Auricle, or external Eur; call'd also Hirous, because usually hairy. See Ear.

The Trague is that Protuberance next the Temple; that on the opposite Side, to which the foft Lobe of the Ear is annex'd, is call'd the Antirogus.

on the opposite Ster, so where the fore Added to the manager'd, is call the Ashirrague.

TRAJAN Catsom, a famous hithorical Column, erecled in Rome, in Homour of the Emperor Trojem. See Column.

Tis of the Tujisan Order, though founewhat Irregular:

It leight is light Diameters, and it Pedefall Contintions; it was built in a large Square there, call'd the Forum Romannin

mammu.

Its Baie confils of 12 Stones of an enormous Size, and it is raised on a Socie or Foot of Eight Steps. Within-file, it is a Strite-cist, Illumited with 42 Windows. The 140 Foot high, which is 13 Foot floor to the Actionine Column 3 but the Workman 150 of the Stones is much more worked, representation of the Stones with Bas-relievely, representation to the State of that Emperor against the Column 150 of the State of that Emperor against the

Dace.

Dasse.

Several learned Men have explained the Bas reliefs of the Trisian Channer, and among others Gisconics and Endorsei. The late King of France, Leavis XIV. had Models of all the Bas-reliefs taken off in Plaiffer of Parth Poth of Channer Tr.A JECTORY of a Course, is the Path or Orbit; or the Line it delicibles in its Motion. See Only 17.

\*\*IPADIS-TONT of \*\*Court\*, is its Path or Othit; or the Line in deferred in its Modens. See Charts.\*\*
\*\*Line in deferred in its Modens. See Charts.\*\*
\*\*Line in deferred in its Modens. See Charts.\*\*
\*\*Line in deferred in the Charts.\*\*
\*\*Line in th

Muse, ide.

That is of million, includes the great Gaus and other Peece of Columes belonging to in Army in the Field. See The Columes belonging to in Army in the Field. See That is of the Columes of the Columns of th

TRAMEL, an Iron Inframent, wherewithal to make a orfe amble. See Ameling.

Horse amble. See AMBLING.
It is also taken in many Places for an Iron moveable Inftru-

Transact. Nor, is a long Not, wherewith to take Fowl by Night, in Champian-Countries; much like the Net uted for

Night, in Champital-Countries; much like the Net cut def ur the Low-bell, both in Shape, Bigness and Masshes. To afe it, they spread it on the Ground, fo as the nether or further Bad, streed with finall Plummers, may ite loofs thereon. Then the other Part being bore up by Men, placed at the Fore-ends, it is thus trailed along the Ground. At each Side, are carried great blasing Lighter, by which the

Bleds are midd; as they nfit under the Net, they are taken, Sec Le or Sold and Havio Netter, Permand, Gernal of the Latter Transactions of Transaction, Transaction in Carter Transactions of Transaction, Chandle, by seedine it is compedied of these Room of Madines.

TRAMBURIAN, TRANSACTION TO TRANSACTION TO TRANSACTION TO THE ADMINISTRATION TO THE TRANSACTION TO THE CONTROL OF THE PROPERTY OF OF THE PR

France, Sc.
The Word is form'd from the Italian, tra, of the Latin,

trans, which fignify beyond ; and most or most, Mountain.
On the Mediterranean, and in Iraly, a North Wind is called a Tramontaine Wind: and fome call the Pole Star, the Tra-

monitone, the Proverb, To log the Termontane; that is, to be out of one's Aim, to be disconcerted. TRANCHE is used by the French Armotifts, to express that Manner of Partition call'd among us Tarty per bend Dester. See Parky and Bran.

Dexter, See Panyr and Bram.

A Scatchom is did to be premely, est, when it is divided
A Scatchom is did to be premely, est,
in two Diagonally; the Divition coming from the Dexter
Angle of the Chief, to the Snifter Angle of the Point a
When it is divided contrary-wife, it is fail to be tailfe.

TRANSACTION, a Negationic perivalently an Accommodation, or a Diffused to from Buthiefs, or of a Diffused to
the Chief, by a munial and voluntary Agreement of

The Point Agreement of

content become the production of the production

inferior Beings, so as not to be intimately and effentially in-cluded under them. The Term is particularly applied to the Object of Metaphy-ficks, which confiders Being in general, or Transcendent Beings, as God and Angels; and Truths confilling in pure

eculation. See METAPHYSICES, The Logicians and Metaphysicis Specialiston. See Matarwaters.
The Logicism and Metaphylician, call Transpendents
Terms, those which are for general and of a Signification for
general control of the Significant of th

TIME.

TIME.

TIME.

CONTROLLED TO THE STATE OF THE

He also shows how it may be demonstrated without a Cal-culus, that an algebraic Quadratrix for the Circle or Hyperculus, that an algebraic Quadratitix for the surface or styper-bola, is impedible: For if fact A Quadratiti could be found, it would follow, that by means thereof, any Angle, Ratio or Logarithm might be divided in the given Proportion of one right Line to another, and this, by one universite Contraction, and, confequently, the Problem of the Section of an Angle, or the Invention of any Nathber of mean Proportionals, would be of a certain Degree. See Clacke, Quadrataix, QUADRATURE, &c.

Quantature, 156.
Whereas the different Degrees of algebraical Equations 5 and, therefore, the Problem, understood in general of any Number of Parts of an Angle or mean Proportionals 5 is of an indefinite Degree, and transfernds all Algebraical Equations. See EQUATION.

See Equation.

Transferindren et al. 2007; in the higher Georger; in the Analysis of the third principles of the principles of the principles of the third principles of the George and the control as valida, when expected by an Equation, one of the Terms.

These Cares are the flow with what Die Certs, and after the Cares are the flow with what Die Certs, and after which the control of the Certs and the Cer

For, in citied, in the Confirmation of Geometrical Publisms, one Curve is not to be peired of a souther, is a defined by a most imply Equation; but not it is more easily declined than the confirmation of the confirmation of the confirmation of the confirmation of genere Ue than all the Algebraical ones together, except the Circle. See Maccanactal, correct the Circle. See Maccanactal curves are found of genere Ue than all the Algebraical ones together, except the Circle. See Maccanactal curve are as abundance of the Professional Professional Experience and Experience and See and which are of an indicting together as a kind of Transferration and which are of an indicting together as the speciment Curve as a doubtly defined, and which are of an indicting together and the speciment Curve and the confirmation of the Co Abeli and Ordinare, the Equation he after for a Lice fought, is, a + b = k - p + r + p + r + p + r + p + r = 0, in a. By the high of which indefinite Equation, which in reality is Finite; for it may always be destimated, how far force with a seculity or puring with the given Property of Tangensa, he finds the Value of the stiftsond Letters,  $a, b, c, Q^*$  and thus defines the Equation of the Line fought, and the define the Columbia If that Companion aboverness one of the Algorithm of the Proposition and the Columbia and the Columbia and the Columbia Proposition of the Line fought, nor to be an Algorithm), but a Proposition of the Line fought, nor to be an Algorithm), but a Proposition of the Line fought, nor to be an Algorithm).

This supposed, he gots on to find the Species of Transfer-stancy; for some Transferndentals depend on the general Divi-sion or Section of a Ratio, or upon the Logarithms; others upon the Arks of a Circle, and others on more indefinite and

upon the Aris of a Circle, and others on more indefinite and composed Enguistic, each et Symbols as and y, he affinnes or composed frequisition. The arise of the Arise of the Arise of the Third, as v, which denous the Transformation Remainly and and of the Theory, forms a general Enguent for the Life and the Arise of the Arise of the Arise of the Arise of the differential Method, which discords even in Iringinentum al-goration. What he find the compares with the given Pro-perties of the Tinegren; and 6 differents, not only the Value and Arise of the Arise of the Arise of the Transformation and the Arise of the Transformation are for the mode of the Arise of the Arise of the Transformation are for the mode of the Arise of the Arise of the Transformation are for the mode of the Arise of

Transferentiate in the two is most out of the of different Names too, one from monther as to through there be Transferenteent, and a Propertiess of the line in the content of Transferenteent, and a Properties of the line in the content of the con brought it: Since by this means a certain and general Analysis is effablish'd, which extends to all the Problems which are of no certain Degree, and consequently not comprehended within Algebraical Equations.

within Algebraical Equations.

Again, in order to manage Transcendental Problems, Again, in order to manage Transcendental Problems, wherever the Bulmeis of Tangens or Quadratures occurs, more advantageous or universit, item the Differential Calculus, or Analysis of Indivisibles and Indiance.

By this Method we may explain the Nature of Transferenteement Lines by an Equation, a. gr. Let A be the Ark of a Gircle, and are the crede Since Them will Asset Ark of a Gircle, and are the crede Since Them will Asset Methods.

and if the Ordinate of the Cycloid be y, then will V2x-xx

 $y=\sqrt{2x-xx+\frac{\int dx}{-x}}$  which Equation perfectly √ 2x-xx

expresses the Relation between the Ordinate g and the Abestia x, and from it all the Properties of the Cycloid may be demonstrated.

Thus is the Analytical Calculus, extended to those Lines which have bitherto been excluded, for no other Caufe, but that they were thought incapable of it. See Grome-

TRANSCOLATION, in Pharmacy, the feme with Filmation or Percolation. See Filmations, &c. TRANSCORIFT, a Copy of any Original Writing; particularly that of an Act or Instrument, inferred in the Body of another. See Copy.

In this Scafe, we say Transcript of a Fine, Sc. See FINE, In this Scine, we say Transgiriya ya Erine, Sci. See Fine, Durellocke, E. TRANSCRIPTIO Recognitionis fallse coram Inficialist Interestables, i.e., is a Writ for the certifying a Recognizance into Chautery, taken before the Jutices in Eyre. See RECONLEANEE.

TRANSCRIPTIO Pedis finis levari mittenda in Cancellariam, I RANSCRIFT to peat intil tents in ittends in Cancillarium, is a Writ for the critifying the Foot of a Fine, levide before the Julices in Eye, &c. into Changery. So Fine.
TRANSEAT, in the Schools, &c. a Term purely Latin, fightlying Let it peifs, or fappose a Proposition to be true, with-

ngmying Let it pays or suppore a reopention to be true, witn-out graning it. Hience the Provech, Transfest, Graecum 9f, now legister: The Diction is faid to have taken its Rife from form suncient Commensuors, or Gloffographers of the Cavil Law, who nor undortisating Greek, pair'd over all the Words that occurr'd

underlinding trees, pairs over all the words may cocurred in that Language, without explaining them. In the Reward Chancery, a Nil Transfert is a kind of Opposition made to the failing of a Bull, or to the Delivery of force other Infrument, till the Paries against whose Interest it is directly, have been heard against it.

TRANSELEMENTATION, in the Schools, a Change of the Paries of the Bull of the Paries and the Company of the Paries of the Bull of

of the Elements or Principles of one Body into those of an-

See ELEMENT. Such is that which the Ramsu Catholicks contend for in the Eucharitl; where the Elements of Bread and Wine are changed into those of Flesh and Blood. See Transun-

remains a production of self-in an allocal. See Transmir-Templetamentary, whenever the hypothesis a lower submove. It is transferated as a field beyond the ordinary Fowers of Transferated in the Comment, of the n AC whereby a Ferfon farmedors has Right, lettered to Property in any Ferfon farmedors has Right, lettered to Property in any The Trum is principally wind in the Commence of Stocks, for the stillings and making over Subcirptions, or Shares STREAMPTON, State Comment, the Transl., Top I find, 65c, and the State See Comment, the Transl., Top I find, 65c, and the State See Comment, the Transl., Top I find, 65c, and centrely the Stock wheet the Name of the Purchiller, under his proper Letter of the Alphabet. See Commany, 1 more to the Translation of the Comment of the State Comment of the Comment of the Comment of the Purchiller, under his proper Letter of the Alphabet. See Commany, 1

In order to a Transfer, 'tis required the Parry bring another with him to fwear he is the fame Person to whom the Stock is enter'd. A Counterfeit in this Case is by Act of Parlia-

is enter? A Counterfeit in this Cafe is by A&C Patisi-men mode a capital Crime.

The Lawyer fity, the Superry, Righan, 65, thereof.

The Lawyer fity, the County, Righan, 65, thereof.

The Lawyer fity, the County, Righan, 65, thereof.

I was a superior of the County o

TRANSFORMATION, a Change of Form ; or a Meta-

morpholis. See Maramorpholis and the design of the Transformation of Metals, that is, their Transformation, or the Manner of changing them into Gold. See Transmurra-

Among the Myfticks, by Transformation, is underflood a Change of the Concemplative Soul, whereby it is in fome measure deified or converted into the Substance of God, and wherein it is, as it were, loft and fwallow'd up in the Divinity,

wherein it is, as it were, loft small (wallow'd up in the Divinity for as not to perceive its own Diffinition from God.

The Senfe of the Word Transformation is very liable to be abuded; and, in effect, the Quietilis and Quakers have abuded it. But many of the Myflicks uf it innocently enough; meaning no other by it thin what St. Taul did when he faid, I've ego jean new ego, civil vere in me

more properly call Transfulfantiation. See TRANSUSSTAN-

TRANSFUSION, the Act of pouring a Liquor out of one Veffel into another.

The Word is compounded of the Lattu Peopolition trans, boom of the transport of the Compounded of the Lattu Peopolition transport of the Compounded of Liquid States, which is the Compounded of Liquid States, and the the Theorems and of the Mark in prediction immediately received into the Body of mother. See Bisconomer and the Compounded of the Compound

it to ridicule it. at to radicale it.

The Ufe most naturally expected from the Operation, is, that one Animal may live of the Blood of another; to that those which want Blood, or have corrupt, morbid Blood, may be supply'd from others with a sufficient Quantity, and of such as is good and laudable.

However, tis certain the Operation has no Place in the

prefent Practice of Physic; but whether that be the Fault of the Operation itfelf, or owing to the Indolence and Averfeness

of People to run into new Methods, we will not undertake

to fay,

The Method of transfusing, Dr. Laner gives us to the
following Effed: Take up the carooid Arrery of the Dog,
or other Animal whose Blood is to be transfusing into another of the fane, or a different Kind; separase it from the
Nerve of the eighth Pair, and lay it bare above an Inch.
Make a throug Ligature on the upper Part of the Arrery; and an Inch nearer the Heart another Ligature with a running Knot, to be loofen'd and failten'd as Occasion requires. Draw two Threads between the two Ligatures; open the Artery

two Threads between the two Ligatures , open the Artery, part in a Quill, and tye up the Artery again upon the Quill by the two Threads, and Hop the Quill by a Stele.

Then make bear the Jugular Velo of the other Asimal, for about an Iroch and half in Length, and at each End make a Ligature with a running Knot; and in the Space between the two Knoes, draw under the Velo two Threads, as in the

Open the Vein, and put into it two Quills, one into the defeeding Part of the Vein, to receive the Blood from the other Dog, and carry it or the Heart: The other Quill put into the other Part of the Jugalar, towards the Head, through which the ferond Animal's own Blood is to run into Bithes.

which the fecond Anima's 'own Blood is to run iron Diffice.

He Quill that yel fid. fig the them up with Sicks fill there be occision to open them. Gilber the Dogs on their Sides the Committee of the Committee infert them into one another

Then flip the running Knots, and immediately the Blood runs through the Quills as through an Artery, very impe-

runs through the Lymn as a measurement of the Delta Could in the super Part of his Juguiar, for his own Blood to run out a, and ho or conditably, but a you perceive him also no bear is, till the other Dog begin to cry, and fairs, and a full die. It is the country of the conditable of the country for the country of 
all'd him.

In the Philipphical Troupfallines, we have Accounts of
the Sweet of various Visualfaines peedited at Leabon, Paris,
the Sweet of various Visualfaines peedited at Leabon, Paris,
the Sweet Sweet Sweet Sweet Sweet Sweet Sweet Arch
Leabon Sweet Sweet Sweet Sweet Sweet Sweet Sweet
the Open Sweet Sweet Sweet Sweet Sweet Sweet
McCaber transferly a to a red Outcome of a sunange from
the Caber transferly a to a red Outcome of a sunange from
the Great Tweet Sweet Sweet Sweet Sweet
fored in the Sunal Dog, but the manage one was cardy.
McGapman regular the Bibood of a young Dog, into the
Value of a mod one simed Mind with Age, and Goree able
to offer yields by the other afferenced, Aport and Finds's

about.

M. Druit transfirst's the Blood of there Chree has there.
Does, which all continud brisk, and est well as before.
Does, which all continud brisk, and est well as before.
The lime Perfort merglist's the Blood of fine Westners into a
Hards a St Venr old, which these received much Strength,
and St. Graffish's Klaffer, the Blood of Lambo was remefort's into the Veins of a Spanid est Yours old, which had
been quite ded from there Years, and for those naive ded for them terms, and to be able to wait at all.

After the Operation he level's from the
Talks, and were about the Blood advon the Streen, with Table, and went about the House to seek as partial Two Days afterwards he ran up and down the Streets with

The Word is compounded of the Latin Preposition trans, other Dogs: His Stomach grew strong, and he recover'd his

Hearing.

TRANSGRESSION, Tronspress, an Offence against fome Law, or a Breach or Violation thereof. See Law.

The Term is chiefly used in respect of the Laws of God. In the Doctrice of Original Sin, all Mankind are supposed to find an with Assas in the Guilt of bis first Transfersion. See ORIGINAL Sin.

Moss threavens the Transgressers of his Law with abundance of Temporal Punishmens. See Punishmens.

The Word is compounded of trans, beyond, and gradiri,

to St.

The Management of the

Its Form dilutes from that of the order; see waiting the Words quarter by strain, &c.

The other is term'd a Writ of Υτεβραβ, and to be fixed in the common Yleas and King's Blench. See Transpass.

TRANSIRE, in Stat. Amon va. Ger. It is us'd for a Cultom-house Warrant, or a Let-pais; from the Verb transfee,

Californ-house Warran, or a Leipstis i mon ne vent oranger.

"TRANSIT, I was aver, in a Altrouwy, spinifeste the Fat fage of any Flaner, joint by, no over any fixed Strur, and of Flanes. Ree Struke, in the June 10 met of the Struke of the S

regular Whole, F. de Colonia makes two Kinds of Transitions; the one erfect, the other imperfect.

A perfect transferiou, is such wherein we briefly intimate what is said, and what remains to be said; as, Now that we have spake of War, there remains something to be said of Peace. — Satis multa de Turpitudine : dicam deincept, quod propofui, de periculo. — Uni Epifode respondi : Venio ad al-teram. — Sei hac Vetera ; illud recens : Casarem meo Consilio

Interjectium.

An imperfell Transfirien, is such wherein only one of these is expected is as, Let us now consider the Consequences of, Sec. Popularet is locust ut discream de— let finis sit, seeme entire pre lackrymin jam loqui possum; is sit is lockrymin de-

Find in optical:

TRANSITIVE, in Grammar, an Epithet given to such Verbs, as signify an Action which pastes from the Subject that does it, to, or upon another Subject which receives it.

See VERE.

See Vars.
Under the Head of Verba Transfirior, come what we ufu-ally call Verbs Active and Passive: Other Verbs, whose Action does not pais out of themselves, are call of Neuters, and by some Grammarians Intransfiriors. See Nauves. In the Holveyt, the Verb 'ny, habid, in the Gross, and, and in the Latin, ston, are Verbs purely Neuter or Intransfiriors, or, as the Latin and Greek Grammarians more usually ex-Verbs fubflantive, fignitying the mere Existence

prefs it, Verbs fubiliantive, fignifying the mere Exittence of the Thing, without the active or trensfitive Conjugations, TRANSITORY, in Law, &c. a Term opposite to Local. TRANSLATION, the Act of transferring or removing

TRANSLATION, the Act of transferring or removing a Thing from one Place to another. See Flace. As the Transfatters of a Bilhop, a Council, a Seat of Justice, a Parliament; the Transfatters of the Relicks of a Saint; the Transfatters of the Empire, Eff.

The Word is form'd of trans, beyond, and latie, of ferre,

The Work is formal of zeries, beyone, non-mon-square to correct the control of zeries of littors from a cost to assure, nor probable dip the Council of None, which renders them null, and appoints the renders them null, and appoints the renders the first cardioder synaktical Bit Renders of the control of the council of sorrier excludes synaktical Bit Renders of the council of sorrier and the stroke which the council of sorrier desired the council of the sorrier of the council of the council of the council of sorrier desired for the council of Analysis of Analysis of Analysis of Service, of the council of Analysis of Analysis of Service, of the council of Analysis of Analysis of Service, of the council of Analysis of Analysis of Service, of the council of Analysis of Analysis of Service, of the Section of t

Grave; and a Council held four after, futbad this Transa-tion to be made a Precedent.

However, the fame Church allow'd of fome legitimate them revert into Water or an aqueous Liquor again. See

However, the Jame Charch Allow'd of Some legitimate Caukies of Transpariency as, the apparent Advantage of the Charch: Under which Pretence, Transpariency Some became for frequent, that to go or 6-to. Years last path, they have been esteem'd a Kind of Common Laws. See Bissoor. The Yrangharian of a Religious from one Orden there, cannot be effected without the Conflicted of the Opes. Tis added, that it is not allowed to transplate from a feverer

Rule to a laxer one.

Rule to a laxer one.

TRANNLATION is also us'd for the Version of a Book, or
Writing out of one Language into another. See Version.

Translators frequently endeavour to excuse themselves at
the Expence of their Language; and ask Pardon for it, as

the expense of their Language; and ask Pardon for it, as if it were not rich and copious enough to express all the Force and Beauties of the Original.

Thus is the English Tongue accust of the Poverty and Dryneis which is in the English of Genius; and the Faults charg'd on that, which should only lie at their own Thous.

The Halians have a Proverb, Traduttore, Traditore: A

The Ballish and a Troyer, Transcore, Transcore, Transcore, Transfator, a Trayer.

TRANSMARINE, TRANSMARINUE, fomething that comes from, or belongs to, the Parts beyond Sex. See Forgeton and Exerte.

TRANSMIGRATION, the Removal or Translation of a while People into fome other Country, by the Violence of a Conquerar. Some translate the leading of the Children of Ifrael Cap-

tive into Babylon, the Translaigration of the Braslites, &c. TRANSMIGRATION is particularly us'd for the Padage of

a Soul out of oal Maranassections.

we concreme can mer inspections.

The Simmely, F. Joshar's informs us, from a Belief of the Transfinieration of Souls into other Bodies, forbear killing any Beatis; left, by that Means, they should disposled the Souls of their deceased Relations.

Soels of their decessed Relations.

TRANSMISSION, in Opicide, \$\mathcal{E}\_{\text{o}}\$ but \$30\$ of \$\text{o}\$ transparers Body pating the party of Light through its readjusters but \$10\$ of \$

Bodies stransmit, and others reflect the Rays. See Trans-Parency and Opacity.

The Rays of Light, Sir Isaac Newton observes, are sub-ject to Fits of easy Transfinission and each Restection. See

RAY and LIGHT TRANSMUTATION, the Act of transforming, convert-

"TRANSUUTATION, the AE of transforming, converting of changing one Nuture into mother, See Convertation
and I. R. REFERENCE AND THE CONTROL OF THE SECTION 
STRIKE, SOF BEER NETURE OBSERVED, AND CONTROL OF STRIKE 
Quickfilver fonetimes puts on the Form of a fluid Metal; functiones it appears in Shape of a pellucid, fragile Salt, called Sublimer; fonetimes of a pellucid volatile, white, talliefs Earth, called Marcuriar Duleis; by Diffiliation; taillief Earth, called Mercurni Dudest; oy Dithiatton it becomes Vapour, and by Agiation in wasan, finines like Fire, gc. See Mercuray and Prosphoneus. All Bodies, Beath, Fifes, Infects, Plann, cc. with all their various Parts, grow and increase out of Water, and aguerous and faline Tincherre; and by PurteReltion, all of

Further, Water expos'd a while to the open Air, puts on a

CHYMY.

curvate. Metals via commonly above I may be changed how Some \$p\_x\$ he some Rein in Copyer, and Lead into Time Some \$p\_x\$ he some Rein in Copyer, and Lead into Time has Cartino and Genn others devely even this, and tagge tim-ture, that the New and Itazia, as being enerly able in sects could be changed, might be converted into one mother, either really, or, as that, apparently, yet would the tranger into the really of the state, apparently, yet would the tranger could be changed of other Metals into Code or Silver be could be changed to the real transport of the con-trolly and the control of the con-pensation of the control of the con-trolly and the con-t

is not the Work of Art, but Nature.

Contains to Metals, Lowerry, Dichenfine, and others, give Contains to Metals, Lowerry, Dichenfine, and others, give Contains the Metals of the Metals of the Metals of Templamantine, I come, for Infliner, sing, Mercary, with Verdigeract, and then heightening the Golour with Cadmia, Tamorice, 15°, But that, if tryd with the Coppel, and good of Templamantine, I contain the Metals of th

them nothing the light finited Bladders, which will countle to Percea between the Fingers.

Mr. Bryle in his Scept. Chymid. tells as, that two properties of the properties of the Bryle in the Scept. Mr. Bryle in his Scept. Chymid. tells as, the state of the properties of the School Weight of Weight found, properties on the School Weight of Weight found, but and the state of the remaining mannersquared. Mail of laterary.—In Extendit found the Ram Water being old Marcary.—In Extendit found the Ram Water being old district school Diffillation, lexes, we the Borton of the Glab Body, a conflictable Quantity of a white Extra's and that more plemulity in the Barte Diffillation than the former ally respirated into Extra's adding, frair it was above twice ally respirated into Extra's adding, frair it was above twice as havey feedically as common Water, and of fo first of Nature, that it by a confidentic Time in a red host Car-tary Spool.

cine, without loang any thing of the Weight, or cuntiting any Smoak.

Transmutation, in Geometry, the Reduction, or Change, of one Figure or Body into another of the fame Area, or Solidity, but of a different Form; as a Triangle into a Square; a Pyramid into a Parallelopiped, &c. See Floure, &c.

TRANSMUTATION, in the higher Geometry, is us'd for the Converting a Figure into another of the fame Kind and Order, whose respective Parts rise to the same Dimensions in an Equation, admit the same Tangents, 5%. See TRANSFORMATION. If a rectalinear Figure be to be transformed into another,
'tis fufficient that the interfections of the Linear that compose

it, be transferr'd; and Lines drawn thro' the fame in the new Figure. See Repuerton. If the Figure to be transfigured be Curvilinear, the Points, Tangents, and other right Lines, by means whereof the

Curve Line is to be defin'd, must be transferr'd. See either by the Air, or by the continual Touches of external CURVE. TRANSMUTATION of Plants. See SEED.

TRANSONATION OF PRINTS.

TRANSONATION OF TRANSONATION TRANSONATION OF TRANSONA

TRANSOM, in a Ship, is a Piece of Timber which lies athwart the Stern, between the two Fashion Pieces, directly

athwart the Stem, between the two Fallision Praces, directing under the Guar-com-port.

TRANSPARENCY, or Disphaneity, in Phylics, a Quality in certain Bodies, whereby they give Paffage to the Rays of Light. See Licoux.

The Iransphaney of natorial Bodies, as Glafs, Water, Air, &c. Some have imputed to the great Number, and Size of the Precess or laterfulce between the Farticles of thethe Bodies: But Pores or Interflices between the Particles of those Dogles: But his Account is exceedingly defeltive; for the most folid and opake Body in Nature, we know, contains a genet deal more. Poses than it does Matter; a great deal more, fure, than is necessary for the Passing of io infinitely fine and fubtile a Body as Light. See Pore

Body as Light. See Poiss. Place Transparency in the Rechtude or Straightness of the Pores; by means of which, fly they, the Rays are enabled to make their Wy through, without firsking segirist the folial Parts, and being erslected back again: But this Account, Sir Jiaco Newson Blook, as the Country of Pores in all Bodies being fufficient to runfinite all the Ekys that Edit on them, howbefore those the segment of the Rays and Ra

worseints ill ine Exps that fell on them, however their Peres to fination with regical to each with regist of the color registeror, must be called the color with the color with registeron to the color with the color

Reflection or Refrection ordium; but the Rays which entered the first Surface of the Bedies, proceed without interruption quite through the Body; those few only excepted, which chance to meet with the fold Barts. But in the Neighbourhood of Parts, that differ much in Dentity, such as the Parts of Wood and Paper are both in respect of themselves, and of the Air or the empty Space in their Pores; as the Artestlown will be very unequal, the Reflection and Refractions traction was de very unequal, the exercections shall Refractions must be very great; and therefore the Rays will not be sale to make their Way through fuch Bodies, but will be perpetually deflected, and at last quite stooped. See Opacity.

Transfarency, in Heraldry, the same as Assumbration.

See Anumen arton SEC ADDMERATION.

TRANSPIRATION, the infensible, or almost infensible passing of an excrementitious Matter through the Ports of the Skin; a clided side Perspiration. See Prassrnation.

There are an Infinity of these resulfiratory Ports in the Skin; a the most considerable whereof, are the Orifices of the Ducks arising from the milliary Glands. See Pora and

SKIN The Canfe of Transpiration, is the Circulation and Heat

Infentible Transpiration is found very much to exceed all the fentible Evacuations put together. Sanctorius even shews, in his Medicina Statica, that a Person loses more in one Day by Trampiration, than by all the other Outlets, in Fifteen. He adds, that if the Food taken in one Day weigh Eight Pounds, the Trampiration will be Five of them.

the Yranjprantes will be Five of them.

Cold prevents Yranjprantes, by its confiringing the Pores
of the Skim, and thickening the Liquous circulating in the
cutmonus Glands: Heat, on the contrary, sugments Yranjprinting, both by its opening the exerctory Ducks of the
Glands, and by its increasing the Fluidity and Velocity of the
Humour. See Cold, See, the of Fluidity and Velocity of the
Humour.

Mannoare, See Corn. 1876.

M. Dodorr, from a Number of Experiments made for 33 Years together, affaires as that we transpire much more in Youth than in Age.—In flow Perfess, the Transpiration is for capitons, that they road but very-little of the coarter Excrements, though they cat very heartily.

ment, though they out very hearthy.

Transpration is abiliately needility in the Animal Occocomy, to parify the Mails of Bloods, and discharge to of a
Number of audited hearthy to prove a Stoppage of the aftal

Transpration, there are fit on many Indiffractions, particularly

Transpration is also out to Corporate of the aftal

Transpration is also out to Corporate of Peeling,

Transpration is also out to Corporate of Peeling,

In that it prevents the Papillie of the Shin from being dry'd,

TRANSFIRATION is also used by some Authors, for the Entrance of the Air, Vapours, &c. through the Porcs of the Skin into the Body.

Skin into the Body.

Cardan, by this kind of Transpiration, accounts for the Prodigy of a Woman, whose daily Urines weight 4.7 Pounds, though all the Foods file took, both day and liquid, dad not exceed Four Pounds.

Dr. Baymará futpetis fome fuch Transpiration to be the Carle in hydropoxial Perions. See

TRANSPLANTATION or TRANSPLANTING. A Agriculture and Gardaing, the knowing of Tree or Plants, from the Places where they were fowed or bred up, and planting them in other. See PLANTING and REFLANTING In the Transplanting of Forty Trees, Care in to be trace. In the Transplanting of Forty Trees, Care in the Exchange theory, with the Earth that tiles thereon, these Francisco TRANSPLANTATION OF TRANSPLANTING

thereof, with the Earth that likeks thereon; these Filaments beling the Mouths that fisk, the Nourillment, and transluse it to the Tree. See Root and Vaortaer.

The Pits or Fossies, into which the Trees are triansplantable, floudd be left open for some time before hand, that at the Rain, Froil and Sun may dissolve the compassed when the triansplantable is the second of the triansplantable in the second of the triansplantable is the second of the triansplantable is the second of the second of the triansplantable is the second of the second of the triansplantable is the second of the s that the Kam, Froit and Sun may distaly the coordinates Salt, erester the Kam Froit and Ray and suitable the comparation Salt, erester the Array Straw in the salt of the Salt barman Straw in the new Yies, and detecting the Modal with Water in 649 Straßen, and by enriching the Ground with Manner. See Manuer. Periphony was of Opinion, no. Tee floods be removed under two, or above three Years and Goss would have none two, or above three Years and Goss would have none more, above three Manner and Manner Salt prompt of the Manner and Manner and Salt prompt. The Salt Assess and Sizes, without

sow, able to transplant Trees of all Ages and Sizes, without Danger.

Danger.
To transfelant old Trees, was reckon'd to difficult, that Veterem Arborna transfelanters is become a Provent for a difficult Raterprise; and yet we are informed of a Grove of Six bundred Coco Trees of 80 Years Growth, and 60 Foot bundred to the Six bundred Coco Trees of 80 Years Growth, and 60 Foot bundred to the Company of the Six bundred Coco Trees of 80 Years Growth, and 60 Foot bundred to the Company of the Company of the Six bundred Coco Trees of 80 Years Growth, and 60 Foot bundred to the Company of the Six bundred Coco Trees of 80 Years Growth by Court Marginetic Coco Trees of 80 Years Growth by Court Marginetic Coco Trees of 80 Years Growth by Court Marginetic Coco Trees of 80 Years Growth by Court Marginetic Coco Trees of 80 Years Growth by Coco Trees of 80 Years Growth by Coco Trees of 80 Years Growth Bundred Coco Trees of 80 Years Growth by Coco Trees of 80 Ye

Six bunderd Coo Trees of go Years Growth, and Go Foot high to the lowest Enough, remipfleated by Count Manure, to his Paradis of Friday; And a great Verlin is Dress-Tweet Coop, and of the county of the Coop, and a great Verlin is Dress-Tweet Coop, and dearn, voluging a Debt than an Areaste. For the Frienflyamateur or grows Trees, Mr. Endys great the following Mention, a parallel with people Section of a Main's Thigh; remove the Earth from about them, can through all the dide Roots, if the Free maybe, by fiver, and through all the dide Roots, if the Free maybe, to brough continuous and the first the try Roots may be conveniently come as to be out off with the 4xt than execution. Tree, and let it stand cover'd with the Mould from which it was loofen'd, till next Year, or longer; and by that time it will have drawn new tender Roots sit for transplanting, and

it was loofweld, till near Vear, or longer, and by that time it will have drawn one wetter! Keem for the transplanning, and will have drawn one wetter! Keem for the transplanning, and Ohierweis, far very large Trees; s'er the hard Froits come on, make a Transh about the Tree, a falled Diltime from the Seem, as you judge dufficient for the Koev, dig to deep, as you judge dufficient for the Koev, dig to deep, as too frishin the Earth, and call in a moud Warr as may fill the Trench or Indicaten! wer it, midet the Ground were both the state of the s aretime, beach from Wind and Sain, till the Room be face, and made by Sepin to flow. — Pl I the Selly our rampfileau into, be supported to the sell of 
SEMINARY.

Simmara. When drawn up, the Sprigs are to be cut off, from short the Teo, the Strings from the Roots, and the Extremities, both of the Teo, that it may true too fill upwards, and of the tap or beart Root, that it may not pais directly downwards, left is go beyond the good Soil. The Heles, or Fits to be fo deep, as that the Flaurs may thand fomewhat deeper in the Good Goord, than where in the Seed-Folt 5 close.

the Mould about them, and if it be a dry Time, them the first Day, and cover the Soil with ald Fern.

them the first Dist, and career the Sool with ald Fern.

"Mr. Britishing years us as row Michael of Transplataning
Mr. Britishing years us a row Michael of Transplataning
Mr. Britishing was a state of the Arman and the Arman a have time to fettle,

have time to fettie.

The Advantage hereof is, that the Trees thus planted, have their Roots immediately inclofed and guarded from the Air 3 and the warm Scafe of the Year difpoling every Part of the Tree for Growth and Shooting, it will loft very Little of its Vigour. — In Winter it does not faceced.

The fame Author adds, that in confideration of the Cir-

The fame Author adds, that in confideration of the Cir-culation of the Sap, it is an eneffary to prefere the Velleis of Trees entire, as those in Animal Bodies: And therefore in transfluenting Trees in the Southern Season, it is not proper to cut off any of the Branches, or wound any of the Vefflet, till they have renewed their Roots, which it is of venus, till they have renewed their Roots, which it is of abfolute Needily to wound in Transplanting them. For the wounded Roots, he has provided a Raisfer of a Misture of Gents to prevent the Canker and Rot, and promote their Healing.

TRANSPLANTATION, in Natural Magic, is used for a Method of curing Diffeases, by transferring them from one Subject to another; much in Vogue among certain Philo-

Subject to absours inten in voge some property of the Use of a Third Transformer a stelled, either by the Use of a certain Medium, cilied on that account a Magneti or without, by fimple Contactl.

The first Kind, which is that most properly call of Yangi-Pontaries, is when the Patient & Exercence testing mixed by Pontaries, is when the Patient & Exercence testing mixed up arising from a Seed fown in the field Composity or, when the Parisans of the Nalls of a group Perfora, are indotted in an

aringg from a Sect town in the land Composity or, when the Parings of the Nails of a goury Perfon, are inclosed in an Auger-hole made in a Plant, particularly an Oak. Here the Patient's Exerciment is the Magoet, and the vial Spirit of the Plant arising, from the Seed, is the Munica which the Magnet receives 2, and the Caffe is the fame, in the Parings of the Nails, and the vital Spirit of the Oak. See Мимил.

The fecond Kind of Transplantation, properly call'd
Approximation, is, when a Finger feiz'd with a Panaris of
Whit-low, is cured by rubbing in a Car's Ear, which is held to receive the Pain.

receive the Pain.
In this Cafe, the found Sabjedt receives the vital Spirits, unites with them, and corrects their modifie Sate: And, suttes with them, and corrects their modifies Sate: And, Spirits of a difficult of the Spirits of a difficult Body, indirect Body, indirect Body and Spirits of a difficult Body approximation, when the Spirits of a difficult derivation, when the Spirits of a difficult derivation when the Spirits of a difficult derivation of the Spirits 
morbific State of the former,

"Finalflantingth, by means of the Magnet, is of five
Kinds, vio. Ediplication, Implanetation, Intelligence, Irrary,

Amilic, Instruction, Burnary-trova, U.S.

"TRÂNSFORT-Sôfy, is a Veidt whereon to coavey

Frenison, watelf Storet, Sodiers, ofc. See Vasat.

TRÂNSFORTATION, the Act of coverying, or

Carrying at ding from one Place or Outmeyto amorber. See

Carrying at ding from one Place or Outmeyto amorber.

EXPORTATION.

carrying string rous one rare or country to assume a contract to the country of t

"Twou'd be tedlous to enumerate the Value of our Trans-"I would be teddous to caumerane the Value of our Transja-parations from Demanark, Sweeten, Sabin, "Peringal, the Streights, Tirthey, Gaima, &C., the most confidentable, is from the Eaft Instite. In the Institute of that Trade, own in the Year 1613, of Pepper only, briddes what we confumed at Home, we transplared in our Year to other Countries, after it had paid Duty beet, so the Value of 200,000 L and of law Years our Exportation of what we bring from thereo, after

we have supposed corrected, we complete as a consideration and Commence.

The anstead artificial state of the suppose as a complete as a complete as a complete as a consideration of Punishment, for Criminals convicted of Felony, who, for the first Offence, we have supplied ourselves, is computed at 500,000 I. Sterling.

unless it be an extraordinary one, are ordinarily Transforted unlets it be an extraordinary one, are ordinarily Ynaphoreto to the Plantations, there to bear hard Labour for a Term of Years, within which if they return, they are executed with-our further Trial. See Fiction, Publishment, Ef. TRANSPOSITION, in Algebra, the bringing any Term of an Equation over to the other Side. See TRAM.

of an Equation over to the other Side. See Exem.

Thus if, a+b=ac, and you may make a=ac-b; b is faid to be trougholed. See Equation.

Taansrostron, in Grammar, call'd allo Hyperbaton, a diffushing or diffusion of the second of the se the Ear, by rendring the Contexture more cafy, fmooth, and

A Transposition, which renders the Sense perplex'd, is

A X-mappears.

A X-mappears.

The Confinding of the accient Languages being much more Artful than that of the Modern one, a sliowed of much greater and more frequent Yerneyfphins. The Berging, Prouth, Or. Lexic ever allow of them but in Oratory and Devery in which Gifs tuby ferre to give a Force and Energy to the Different or the Verfe, and to prevent their manifeliate. Because Version of the Verfe, and to prevent their manifeliate. Because Version of the Verfe, and to prevent their manifeliate. Because Version of the Verfe and the Version of the Verfe of th

TRANSPOSITION in Maje, is a changing of the Notes of a Piece of Music. See Note.

a Piece of Mulic. See Novre.

Of this there are two Kinds; the first with respect to the

Clef, the second with respect to the Key.

Transfightine with respect to the Key.

Transfightine with respect to the Clef, confishs in the

changing of the Plac's or Seast of the Notes or Letters,

accough the Lines and Spaces; the foat that every Note is

for at the fame Letter. See Cleft.

amongit the Lines and Spaces; but to as that every Note is for at the fame Letter. See CLEP.

This is done either by removing the fame Clef to another Line; or by uning another Clef, but with the fame Signature by reston the Piece is fill in the fame Key. See CLEP.

The Peafities is eafy in either Cafe: In the firft, you take the first Note at the fame Dillance above or below the Clef-

Note, in its new Polition as before; and all the rest of the Notes in the same Relations or Diffances from one another; fo that the Notes are all fet on Lines and Spaces of the fame

In the focond, or fetting the Music to a different Clef, 'tis to be observed, the Places of the three Clef Notes are in-variable in the Scale, and are to one another in these Relavariable in the Scale, and are to one amether in bride Rela-tion, who. The Mean apt above the Bulk, and the Treble a grid above the Niem. Now so Virnightly to save Cult, e.g., of the Niem and the Niem and the Niem and the Niem and Fig. we flapped in the fine inclinal Nove, in the finne Place of the Scale, as if that Piece were that Part in a Com-portion to which this new Gel is generally appropriated that fo it may direct to the fame Noves we had before Yinghi Papities: Now, from the first Relations of the three Cefs in the Scale, it will be easy to find the Sear of the first resurfaced. Note; and then all the rest are to be fet at the same mu-tual Distances they were at before. See Scale.

tual Distances they were at before. See Sc.A.E.,
Suppose, e.g., the first Notice of a Song be 4, a 6th above the
Bell-clef, where-ever that Clef is placed, the first Note must
be the grauter 2d above it, because a greater 2d above the
Mean is a greater 6th above the Bell-clef, the Relation of those
woo being a .g. 5th. —— So that the first Note will fill be the fame individual d.

fame individual st.

The Ufe of this Transposition is, that if a Song being fet with a certain Clef, in a certain Position, the Notes go far above or below the System of five Lines; they may, by the Change of the Place of the fame Clef in the particular System, or by taking a new Clef, be brought more within the Compafs of the Lines,

of the Lines,

"Transflyding from one Key to another, is a changing
of the Key; or a fetting all the Notes of the Song at different
Letters, and performing It, confequently, in different Notes
upon an Infredment. See K.P.

The Defings beered is, that a Song which being begun in

one Note, is too high or low, or otherwise inconvenient for a certain Instrument; may be begun in another Note, and from that carried on in all its just Degrees and Intervals.

these certified on mall-the soft Degenerated Street News, and from The Cleff and the Politonic here recuisine the fines; and the Catago is of the Norse hemselves, from one Letters, and its Language and the Norse are unstanguaged and the Norse and Spaces In this, the Language and the Language an

the former.

Thus Arifiotle in his Book de Cado, undertaking to flow that all the Stars are round, transfers the Quefition to the Moon, and proves her Rotundity from her Increasing and

Waining; fuppofing it a Thing admitted by his Opponents Wanning; unpromise that the Stars are all alike.

TRANSUBSTANTIATION, in Theology, the Convertion or Change of the Sabdiance of the Bread and Wine, in the Eacharili, into the Body and Blood of Jefus Christ.

See EUCHARIST.

See Ecunany.

Transfillmentierin, taken in its general and literal Seafe, implies my Langey of our Sobbituce into another; then, the Change of Mode Sood into a Sterrog of the Wister of Change of Mode Sood into a Sterrog of the Wister of the Residence of the Residence of the Wister 
One of the great Articles of that Church, rejected by the Reform'd, is that of Transfubstantiation; the latter maintaining the Transfubstantiation to be only figurative, and

the former real.

The Reform of interpret of, is, in the Text, His eft Carfus means, This is my Body, by dignificat of, it has finguished by the property of the Control of Text Hard up fractions of the Control of Text Hard up fraction of that Control, it is expectly decread, that in Timeflation estimates, the Sub-year Blood of our Law Topic Christian article, and Indipartially under the Species of Bread and Wine.

east Vivie.

"Tis added, that by truly, we mean properly, and not only by Signification, as if the Euchariti were no more than a Sign of the Body and Blood of Jefac Curift 'That by readly, we mean in Fact, and not only in a Figure, as if the Euchariti were only a Figure and Repredentation of the Body and Blood of the Secour of the World: And that by Eody and Biolecu is not convour or the World: And task by findhamidally, we mean in Sublinence, and not only in Virtue and Energy. — Thus is ruraly opposed to a fimple Sign; preally to a Figure; and fideliharidally to Energy.

ATANS VERSALIS, in Anatomy, a Name given to be read Mackes, &c. in refered of their Situation, Proposi,

Sc. as the

Etc. as the TRANSVERSALIS Abdominis, a Muckle which lies under the Obliqui, and arties from the Carrilago Xiphoticles, from the Extremities of the falls Rils, from the Transferse Apo-try fis of the Vertebrue of the Loins, and fix'd to the inner the of the Spine of the Ilium, and inferred in the Os Pubis, and Lines Albas.

This, with the Obliqui, (which fee) unites its Tendons, as it approaches the Linus Albis, and is the only Musicle that is cut in the Operation of the Bubonscele: It has a fine and thin Membrane that closes exactly its Ring or Hole, through which the Veffels pass.

which the Velicla path.

The ANYELANIE Cells, is a Part of the Transportation
Theory, which found divide into three, use, the Succe, Semifigurants, and Transportation Cells
It arises from the Os Sarum, and from all the transporte
Proceedies of the Vertebure of the Loius, Back, and Neck,
except the two first and is inferred by 66 many diffined.

Tendents in 28 latest superior Springs 11 more the whole

Tendens to all their flaperior Spines I to moves the whole Spine obliquely backwards.

TARMWERSALIS Plais Placetimic comes from the Bone of the Messaria, that fulfains the Toe note the little Toe, and patfing across the other Bones, is inferred into the Os Scfanoides of the great Toe 1 Its Ufe is to bring all the Toes chole to one another.

ERECTION.

TRANSVERSALIS Pesis arifes from the Ifchium just by the HecDures, and russ obliquely to the upper Part of the Bulb of the Urethra. It helps to prefs the Veins upon the Back of the Penis, against the Os Pubis, which is the Cause of Erection. See

TRANSVERSALIS Dorft
TRANSVERSALIS Lumberum Soc Semispinatus.
TRANSVERSALIS Femeris Soc Quadratus.

TRANSVERSALIS is alfu a Name given to a Suture of the Canium, because of its traversing or crofting the Face from one Side to tother. See Sutures. I tarifies at one of the lefter Angles of the Eye, and passing along the Bottom of its Orbit, and the Rost of its Nofe, ter-

minates in the other leffer Angle.

ministor in the other senter Augus.

TRANSVERSE, fomething that goes acrofs from Right to Left, or from Corner to Corner.

Thus Bends and Bars in Hemildry are transfers Pieces or Bearings. See BEND

The Diagonals of a Paralelogram or a Square are transverse Lines. See Diagonal.

Lines which make Interfections with Perpendiculars, are

alfo call'd oblique or transporte Lines. See Line, Perfen-dicular, Oslique, &c.

Transverre Aris, or Thameter, call'd also the first or principal Aris. See Aras and Larves Transfersson. The Transfers date of the Transfers o

Tan. Comicas, 128, 17 centring the Carte in the Point See Hyerkrot. A further than 12 central Muscles arising from the transfered Procedits of the Vertebra of the Loine. See Vertebra and Loine.

Loins. See VERTEER and LOING.
TRANTERY, in fome Cultions, is the Money arising
by Americaments of Ale-fellers and Victualities, for breaking
the Affixe of Bread and Ale. See Assire.
Particularly at Enforce, and other Manous in Herefordpire.
TRAVERSE of TRANSVERSE, founching that goes TRAVERSE or TRANSVERSE, forecthing that goes athwart another, i. e. croffes and cuts it obliquely. See TRANSVERSE.

TRAVERSE is particularly used for a Piece of Wood or Iron placed trausfeersely, to ittengthen and furtify another. Such are those used in Gates, Windows, &c. To plane a Board against the Grain, is also call'd among

oiners, &c. to Traverfe it.

Joines, Gr. to Francy et al.

TATVIALIA, I Glomeury, fignifies to tam or yolist a Piece
of Ordenace which Way one pleafes, upon her Pletform.

Extra of the Comment of the Figure adjoining, which they Extra on partner of pr. full Virginity of the Comment of the Figure adjoining, which they Extra on partner of pr. full Virginity of the Comment of the

Gaite, Tavarant, in Navigotion, in the Variation or Alternative of a Ship's Cheeft, occasion or Alternative of a Ship's Cheeft, occasion, the Variation of Alternative of a Ship's Cheeft, occasion, St. St. Constant, W. Tind, Carlotte, S. C. St. Constant, W. Tind, Cheeft, occasion, S. C. St. Cheeft, occasion, S. C. St. Cheeft, and D. Harris, S. C. St. Cheeft, and the Cheeft of th

sin A they be according to the many and a since a second to the property of th

Draw the Line HK (Tab. Navigation, Fig. 17.) at plea-fure, for a Meridian, or North and South Line, and theerin afture a Point, as at A, for the Port failf d'from; then with 60 of the Chords, and one Foot in A, draw the Arch L m, upon which fee off two Points (becaute the Courte is S.S.E.) upon which its oft two Points (Declare the Courte's S.S.E.) from L to m, and draw the Line Am, upon which fet off the Diffunce 30, from A to B; then is the Ship at B: Thus letting full the Perpendicular B K, AK 27° 9' is the Diffe-rence of Latitude, and BK 11° 5', the Departure for the first Courfe.

first Copyel, seems, and an N 17 5, the Dispersive for the first Courle, which he fillings K R, draw the Parallel B N, and thereby with the Chord of Go, as before, for each the Second Courle and Dillatone, N E, by N, Go, and Copyel B D, a

To find her Course and Diffance to the Port bound for, see off 4 half Points upon the Arch R Q from R to S, and from A through S draw the Line A S F; upon which see off [0.00]

\$20, the Diffance from the Port failed from to the Port bound 120, 1002 JHSBNG from star gett saigest from 10 uses to some for, from A to F, then is F the Port bound for 5 now the Port bound far being at F, and the Ship being but at E, the Line EF mentioned on the fame equal Parts that the relt was taken from, will be found to be 31, and the Arch TU mentioned on the Chords, is 32° 12′, or N. E. by N. Some formed to the control of the control of the control of the control of the theory of the control of the contro

what esslerly, &c.

This Method is ufeful, where the Courses tend generally one way, without interfecting one another; but if they often cross, its best to have recourse to the 2d Method, which is

without new Meridian.

car way, wittous intereficing oest unelser, hut if skey oftic refts, 'in he's in seve courte to the job Michod, which is 'an entire the 'interest to be his down, and the 'born regorder to the his 'me to the bill down, and the 'born regorder to the his 'me to the bill down, and the 'born regorder to the his 'me to the bill down, and the 'born regorder to the the 'me to the bill down, and the 'port the Sign is fill come on, defertise an Arch, you would be the sign is fill come on, defertise an Arch, but we will be the bill the bil

To work a Traverse by the Tables of Difference of Latitude and Departure.

This is the principal UE to the Tables are introded for, and the Wive of working a Frameph healty, it requal to the bell for Escheder, and fugarior in Point of Expedition to bell for Escheder, and fugarior in Point of Expedition & Makes 2 little 7100 with the Column, the First for the Country of the State of the Diffuse, the Table State of the Country of the Count

Column. Agein, where the Courfe is Eslivity, fig. the Departure in Agein, where the Courfe is Eslivity, fig. the Departure in Column, them selding up each Column by tieff, fishered, the North and Swith Columns, the present from the leffer, the Remainder is the Northine or Southing made pood. All fishers, the Remainder is the Esligity or Welling made pood, all fishers that the Courfe is the Esling or Welling made good, shen have you the Difference of Latitude and Departure given find the Courfe is and Difference.

to find the Courte and Juliance.

In the first Example above specified, the first Course is

S. S. E. to Miles, or two Points 50 Miles; for which, I find
the Difference of Luttinde 37, 27. Now the Course being
between South and Bell, I place my Difference of Latitude in
the South Column, and my Pesserare 11.5 the East
Column, Leaving the North and West Column blank.

Then for the Second Courfe, N.E. by N. or three Points

40 Miles, my Difference of Latitude, 33:3 is to be
placed in the North Column, and the Departure 22:3,

the East Column, broasfe the Courfe is between the North

Then the third Courfe being E. by N. or feven Points,
Miles, I place my Difference of Latitude, 4:9 in the 25 Miles, I place my Difference of Latitude, 4:9 in the North Column, and Departure 24:5, in the East Column.

And fo for the fourth Courfe N. N. E. or two Points And to tot the fourth Courte N. N. E. or two rooms 4A Miles, I place my Difference of Latitude 49: 45, in the North Column, and my Departure, 16: 8, in the Sun of the Northing Column is 73: 8, and the Sun of the South Northing Column is 73: 8, and the Sun of the South Column is 27; which futured from the Northing 78: 8, Column is 27; which futured from the Northing 78: 8, which is 71; she Difference of Latitude made good, which is Northing, because the Northing was the

good, which is Norming, recease me Norming was assessed, which is Norming, recease me Norming, Again, the Sam of the Editing Colombia 15 yes, which because there is no Welling to shorted from it, is the Editing made good. Thus you have the Norming 2 1 1 1, and 2 1, and 2 1  and 2 1 1, and 2 1, an

LESQUE.

Caffaito is charged with having tracoffied the Bible, by reafon
of the Difference of Air and Stile between his Vertion and
the Original.

the Original.

TRAUMATICKS, Transparent, Vulneraries; are Herbs
or Drugs good for the curing of Wounds. See Vulneraries.

TRATI-BASTON, TRAIT-BASTON (a.d. trade bacultum, drag a Club or Staff). See Justice of TrailLabor.

Edition I. In his 3 of Year, form one new Writ of Inqui-Edition II. In his 3 of Year, form one new Writ of Inqui-ter and Inquired Inquired Inquired Inquired Inquired In-form London, Frederica III. In the Inquired Inq

TREACLE, in Pharmacy, &c. See Therraca.
TREASON, Treschery; the Act of Infidelity to one's

lawful Soveraign

Treafen, in our Laws, is of two Sorts, viz. High and Petry Treafen.

Party Trinsjon.

High That shows of The about Performance, is an Officea, the Party of the Control of the Contr

eiphela, there are no Arcelfine in Trajen, all are brinciples, that Plants are expendent to plan, with a compgrain, that Plants are expendent to plan, with a compproduction; the Will is rever takes for the Dock in sey
Cofe, but that of Bay Trajen is Tropol, from Bay
Trajenton in the State of the Contract in the College of the
Contract in the College of the College of the College of the
Contract in the College of the College of the
College of the College of the College of the
Larged, but cat down the college of the
Larged, but cat down the college of the
Larged, but cat down the
Larged in the College of the
Larged in the
Larged in the College of the
Larged in the
Larged in the College of the
Larged in the
Larg

This Kind gives Forfeiture of Escheats to every Lord There is also mention made of Accommissive and Con-finative Treason, in the Street.

There is also mearion made of \*\*\*commistive and Camparitive Traigles, in the Saxuer a [Aca: Biome of Money in reference. See "Parastran and Tana areas." Transarcas, Transarcas, and Tana areas. Transarcas, and Tana areas. Transarcas, is found in any magnetic state, and the seed of t

Rosses Jurisprudence was various with regard hereto ; immetimes it was given to the Master of the Grounds; some-times to the Finder; and sometimes it was adjudged to the

times to the Finater's and tourestood.

In Frances and England, the general Ufage is to have fach
Tresfure fequefired to the King, unlefs where the Benefit
thereof is exprelly granted or made over by the King tolune

In fome Places in France, it is divided into three Parts; one for the Prince, one for the Proprietor of the Land, and one for the Finder.

one for the Finoer.

\*\*Britest fays, 'tis every Subject's Part, as foon as he hath found any Treafure in the Earth, to make it known to the Corrogers of the County, 1850.

This was anciently call'd \*\*Indexings\*\*, of finding the \*\*Treafure\*\*.

This was necessity call Minderings, of findings the Profession, L. L. Hina. Are forecasting Profession English, and in Mindering L. L. Hina. Are forecasting Profession and Prosping and Pr

TREASURY.

Ser Da. Astrax.

Of their there is a great Varley, ... His Majetly of Orto Britain, in Quality of Liebter of Branfinish, in Quality of Liebter of Branfinish, is And Virginer of Brokens Explies. ... In the States of S Charters, and Archives of a Church, or Monastery.

This Dignity focceeds, in fome measure, to that of the ancient Deacons, who had the like Charge in the Primitive

arrent Deston, wo nad the time Charge in the Finlands.

Lord High TREASMER of England, is the Third great
Officer of the Cown. See Chown.

He receives the Office, by Delivery of a white Staff to
him from the King, and holds it during the King's Pleasure:

Anciently, he received it, by Delivery of the Golden Keys of the Treasury.

Under his Charge and Government, is all the King's Re-venue kepe in the Exchequer. See REVENUE and Ex-

CHEOUER. CHEQUEE.

He has the Check of all the Officers, any way employ'd in collecting Imports, Cufforms, Tributes or other Revenues of the Crown. He has the Gift of all the Cufformers, Compsrollers and Searchers Places, in all the Ports of Louden, and the Nomination of the Escheators in every County. See

the Nomination of the Etheators in every County. See Custrost-Holly, Etc.

He, alose, or others in Committion with him, letteth Leafts of all the Crown Lands, gives Warrants to certain Perfons of Quality to have their Wire Cathom-free, Etc.

The ancient Salary was \$8,7 to at a prefere Socol. The Office of Lord Treafares, is now in Committion. See

TREASURY.

TREASURER of the Houpeds, is an Officer, who, in the Abfence of the Lord Steward, has Power, with the Compreller and other Officers of the Green Clork and the Steward of the Marghaffes, to hear and determine Treasons, Februies and other Crimes committed within the King's Palace. See Housemond, Gazen Cloth, Ge.

HOURINGTO, GREN Cleft, \$45.

TRANSMERS of the North, in a Office who receive Management of the North Memoria from the Cleft Right Freefreer, or the Loude Committoners executing that Place; and pays all Charges of the Navy, by Warrast from the reminded Officers of the Navy, bear Navar when the reminded Officers of the Navy, See Navar, the Prince are received, y preferred, and disbarded. In Exchange the Treedings is a Part of the Exchequer, by Gous call'd the Lever Exchequer, See Executing Navar 
The Officers of his Majesty's Tressfury, or the lower Exokequer, are, the Lord Treasurer, a Chancellor, a Secretary, two Camberdains, an Auditor, four Tellers, a Clerk of the Felly, Uthers of the Recept, a Tally-cuter, 65. See each Officer under his proper Atticle, CHANCELLOR, TELEVISION, TELE

cach Oliner under his proper Attions, Uniangerical, Electronic Test, Talery, Eds. Emperors, there were were two Kinds of Prospories, the one call'd Abartima, wherein the Monies defined to Sepport the Charges of the Government were beginning the Court, the Court of the Court, the Court, the Court, the Court, in effect the Estatum box of the Emperor and his court, in effect the Estatum box of the Emperor and the Court, in effect the Estatum box of the Court, the Court of the the Fifous to the Prince, See Fiscus.

We have find a Refemblance of this Difference among us 5

We have field a Kelemblance of the Difference among us put it is confined in Prince, fee, where the King diplored as deleterly of the public Treature, Sci. Zarboi of the Lanauxur. In lite of one fingle Director, Larboi of the Lanauxur. In lite of one fingle Director, and the Company of the Company of the Company of the Title of Leaf High Trafferry 1. The contract of the Title of Leaf Life Trafferry, See the Title of Leaf Commissions of the Trafferry, and the Title of Leaf Commissions of the Trafferry, See Taxavara.

TRASATUR.

fignifies as much as taken out, or withdrawn: Thus a Juror was challenged, because he could not dispend 40 L and therefore was Treat by the Statute, Old. Nat. Br. or dis-

TREATISE, TRACTATUS, a fet Discourse in Writings on any Subject.

The Transfe is supposed more express, formal and methodical than an Essay, but less so than a System. See Essay,

died than an bany you were as were extend Nations or the ferred Arricles or Conditions fingulated and agreed upon her trees Soverigh Powers. See Alexanders, of Morrisles of Tenes, of Morrisles, of Confederation of Powers, of Alexanders, of Confederation of Powers, of Morrisles, of Confederation of Powers, of Morrisles, of

rils, to adjust the Duties of Exportation and Importation of Merchandizes into the respective Dominions of the con-

of microanures on the respective presumers are con-racting forces; of means, was figord at Urresis the 1st between England and France, was figord at Urresis the 1st of Afrit, 1715, and conflits of 39 Articles, most whereof are regularly executed between the two Nations, only form

the first of the control of the Nation, and some of the norreparticles one cannot be be executed, by Rasalson of fines Deficializes in the Taris. See Taris Taxary in Counter, is Convention or Countail agreed Taxary in Counter, is Convention or Countail agreed tween two terms of the theory of the

D.G. He Maners, If the Tenture change in Her with a Pentiment of That, and to retition the Structure in the Act of the Country of Her might be with the Country of Her might not be rendered whoshy win and francists, are conserved whoshy with a few fractions of the Country of Her might not be rendered whoshy with a few fractions of the Country of the

In the like Senie we say, a Trebly Voilin, Trube Hauton, S.S. See Voison; Seife signific constituted to England
In the Market Frields Treble. See Trust.

The Trube is firsted into get on England Trube,
and the Trube of the Sec Trust.

The Trube is firsted into get on England Trube,
and the Trube of the Trube is the fine with
Constant Trube of the Trube of the Sec Trube.

THE ENGLE, HAMMON, THE SEC TRUBE OF TRUBE OF TRUBE

THE ENGLE, See Aware, The Trube of the Vegetable King,
THE ENGLE, See Aware, The See Trube of the Sec Trube.

THE ENGLE And Trube in full first are fine has a strengly rife.
Standards, or Trube in full first, are fine has a strengly rife.
Standards, or Trube in full first are fine has a strengly rife.
Standards, or Trube in full first are first has a strengly rife.

Report Height, and no not rough a Trube the Conson of the Sec.

Report Height, and no not rough a Trube the Conson of the Sec.

Report Height, and no not rough a Trube the Conson of the Sec.

Report Height, and no not rough a Trube the Conson of the Sec.

Report Height of the Sec.

high at leaft, and five or fix Inches thick at Bottom, and three or four at Tup; the Bark pretty imouth and finning, as a Token of their Youth, and of the good Soil they grew

as Token of their Youth, and of the good Soil they gree in. See I Lassartwarten, Norstartw. No. See result, See are suffered to have shore half a Foot in Serm. — Their are aff to be keep vacation to shollow in the Modifie, that the Branches presulting mond about the Wole, may form a kind of roard many seems to be suffered by the Branches and the See and See are the See and See are the See and the See and See are the See and See and See and See and See and See and See are the See and Se

tom should be two or three Inches.

Fruit Trees, are fuch as bear Fruit. See Fruit.

Timber Trees, are those whose Tranks are tall and straight, whereof Brams, Masts, Se. are us'd to be made. See

wenered tearno, roath, Er., are aw'd to be minds. See The Configurations, are three whose Fruit in of a conical Figure, as the Fire, Fire, Larch, Mc. See Construction. There are an in control Vigingly and the control Figure, as the Fire, Fire, Larch, Mc. See Construction. The control in Refer. Mc. Rep., and other Authon, Epock of Sevent Treet of producions liked,— The First Larch Mc., the State of Sevent Treet of producions liked,— The First Larch Mc., the Mc. See Construction of the Control of t

M. Lowvillier mentions Trees in Peru, one Part of whose Branches produce Fruit one balf the Year, and the other Part the other half.

Farr the other half.
In Clinic is a Tree which bear Tallow, whereof that National Tallow is the Control of Tree, which have client of the Control of Tree, which have client of the Control of Tree, which have called the Observations of the Navanditis of all Ages, except these of our countrol of the Control 
Por the Planting, Transplanting, Semination, Pruning, Felling, Grafting, &c. of Trees, See the respective Articles, Planting, Transplanting, Szmination, Pruning,

FELLING, GRAFTING

FELLING, UNAFTING.

Mr. Ray dittinguishes the Trees and Shrubs of our native
Growth in England, into, I. Such as have their Flower difjoin'd, and remote from the Freit. Their are,

1º. Naciferous coce, or fach as bear Nurs a set, but Manu
Tree, the Hazle and Tree, the Beach, the Chefung, and the

common Oak. See Nur.

commen Olik. See Ners.

2- Configeraci ones, or fach as bear a squammous or fauly Feuit, of a skind of Consicial Figuer, and of see woody or hard Subdiance, in which are many Seeds, which, when they are tipe, the Cocc opers or appear in all its feveral the Sweds Fire, Male and Fernale; the Fine, which in our the Sweds Fire, Male and Fernale; the Fine, which in our factions in call of the Sweds Fire, the Commun Males Trees, and the Birch Tree.

and the Dirth IPER.

3° Bacciferate ones, or fuch as bear Berries; as the Juni-per and Yew Tree. See Bacciferatous.

4° Lanigerous ones, or fuch as bear a woolly, downy Subflance, as the black, white, and trembling Poplar, Wil-lows, and Ofices of all Kinds.

Inns, and Offers of all Kinds.

2°, Such as bear nick eded, (baving an imperfect Flower) in fastly Membranes and Cafes; as the Horn-beam, or Hard-Horn-beam, or Hard-Horn-beam, or Hard-Horn-beam, or Hard-Horn-beam, or Hard-Horn-beam, or Hard-Horn-beam, and the Hard-Horn-beam of the Facility and the Hard-Horn-beam of the Facility and Hard-Horn-beam of the Facility and Format Search (Flower-Beam). The Hard-Horn-beam of the Facility and form Euroff products at the Suth or Service Yies, the White or Hard-horn, the will Refs. Sweet-being, Carrants, the gent Bilberry bulk, Honoy-fackle, Vr., Ufc.

The Inter Kind are either thes is a store the Prior tend (1).

and foft when ripe, as 1°. Pramiferous ones, whose Fruit is pretty large and fost, with a Stone in the Middle, as the black Them of Sloc Tree, the black and white Ballace Tree, the common wild Cherry, the black Cherry, &c.

2°. Bacciferous ones; as the Strawberry Tree in the Welf of Ireland, Milletoe, Water Elder, the Dwarf, a large La-red, the Vibunoum or way-string Tree, the Dogberry Tree, the Sea black Thorn, the Berry-bearing Elder, the Priver, Barberry, common Elder, the Holly, the Backhorn, the Berry-bearing Heath, the Bramble, and the Spindle Tree or Prickwood.

Frickwood. Or fact as here their Fruit dry when ripe, as the Blad. Or fact as here their Fruit dry when ripe, as the Blad. Or fact to remain all min and Alfine the Majle, the Gaule or Sweet Willow, December 1998. Brown, Dyers Weed, Furne or Goret, the Lime Trees. Draw's Taxas, Arber Diame, among the Chymrifts, the Alind of Vegetation of Mercray, which after a long Process floors out too Branches, with the Appearance of Leaves, and even Flowers. See Diaxe's 27thes. Draw's 27thes. Draw's 27thes. Draw's 1999.

and even Flowers. See Drans's Tree."
After Martis, et Tas as of More, is another very fingular Vegeration, first discoveral accidentally by the younger Leventh of the More of the Likicovery ass thirs: On a Diffusion of Iron-fling in Spirit of Nitre, contained in a Glist, be pour Old of Tartar per Delicourie: Upon this the Liquer foon fuelfld very confiderably, the with a very fault Sorr of Branches addresing to the Service of the Glist, which Sore of Branches adhering to the Surface of the Glass, which

Sor of Branches adhering to the Garface of the Glift, which continuing to grow, at length covered it all over.

The Form of the Branches was to perfectly, that one might error different a kind of Leaves and Playment therem, to for Aber Marris, as the former has to that of Ariver Disease. See Higher Acade Spans, in Natural Hillor, Y. See Clicha, 2and, 2.00, Cleary, Control, 150. The Control of 
vultive Motion accompanying a voluntary or natural Motion.

valides (Motion accompanying a visuomas) us formation of the Sec Convertision. A Tramor is frequently found to artic upon the more violent Philoso, particularly, Anger, Gluttony, Venory, 15th. but this is accidental and transitory.

A Tramor is foundating and transitory.

A Tramor is foundation and transitory to the property of the

In old Men it incurable.

Treme of the Bren. See PARTIVATION,
The Medicine commonly made use of in Present and
the Medicine commonly made use of in Present and
the Observation of the Control of the Present and
the Control of the Control of the Present and
the Control of the Control of the Present and Present
for the Control of the Con

Many of the Bogs in Ireland have been drain'd, and made and Ground, by only digging Trenches around them. See

TRENCHES, in Fortification, are Moats or Ditches, which the Beliegers cut to approach more focurely to the Place at-tack'd; whence they are also call'd Lines of Approach. See

succity where they are also call't Lines of Approach. See Direct, Approach is forced born, according to the Nor-Their Proaches are of increased born, according to the Nor-Their Proach is coly an Electricist of States, World, yell-yield, and the States of States, and the States is a proaches only an Electricist of States, Golden, ack, or Standbrings of Earth, call round show the Place is been where the Coronal may be early open of the Traject for their color of the States of the States of the States of the Edited, See Panarry, Gr. The Breach for the Traject is from capital to true Pears, and the Dispit from fix to fevers and via earl in Talas, or the States of the

aftope. See TALUS.

The Trenches are to be carry'd on with winding Lines, in "The Translet are to be carry'd on with winding Line, in fine Manner patallet to the Works of the Estratis, to a fine Manner patallet to the Works of the Ferrity, to a fine measurement of the Party of

as also on their Right and Left. The Pioneers fornetimes wor The Pioneers fornetimes work on their Knees; and the Men that are to support them lie flat on their Faces, in order to avoid the Enemies Shot; and the Pioneers are likewife ufually cover'd with Mantelets, or Sauciffons.

They fay, Mount the Trenchet, that is, go upon Duty in them: To Relieve the Trenchet, is to relieve fuch as have

been upon Duty there.
The Enemy is faid to have clear'd the Trenebes, when they

The Enemy is faid to have clear'd the Trenches, when they have driven away or kill'd the Soldiers who guarded them.

The Tail of the Trench, is the Place where it was begung and the Heast that to which it is carryd. See HEAD.

To Tanken the Bullet, a See Faraft, signifying to divide the Ballath into tereral Trenches in a Ship's Hold-

See BALLAST.

TRENCHE, in Heraldry. See TRANCHE.

TRENCHING Plough, is an Infirument for cutting out
the Sides of Trengles and Drains, or the Sides of Turf, Sc.

TRENTAL, TRIGINTAL, or TRICENNAL, a Rowift Office for the Dead, confisting of thirty Masses, rehears'd for thirty Days after the Parry's Death: Thus call'd from

the Halian, trenta, treginta, thirty.

Tis mention'd Anno prime Ed. VI. Et volo, & ordino,

138 mention a zums grava Lee, VI. He volo, U ordino, quad Eventures mei ordinat flet ordinare factori tutum Trental fra fidute dimine mee.
TREPANUM, a Churageon's Influenciat, call'd also Analogifien and Mediclain. See Monitoris, Ust. It is it form of a Treebra or Wimble, only the Handle indented fomewhat in Manace of a round Saw.

indented fornewhat in Manner of a round Saw. Its Ufe is for the Cure of Wounds, Contutions, and Fra-cheres of the Granium, when they don't go beyond the fe-cond Table; for by means hereof, an Ampatation or Exfo-liation is made of what Part, or Quantity of a Bone one liaino is made of what Part, or Quantify of a Bonc one pleats. See Chastron, Parkardin, Tritzansurio, Science pleats, See Chastron, Parkardin, Science pleats, Parkardin, Science pleats, Parkardin, Science pleats, Parkardin, Tritter, Parkardin, Tritter, Parkardin, Tritter, Parkardin, Tritter, Parkardin, Tritter, Parkardin, Tritter, Parkardin, Parkardi

liativ TREPANNING, in Chirurgery, the Operation of re-lieving Cuts, Contufions, Corruptions, and Fractures in the Scall; by means of an Instrument call'd the Trepanum. See

TREPANUM. Tairranum.
Trepaining is a very dangerous and difficult Operation 3 not to be used, unleft when the Chips and Prominences of the Bones prick; when the upper Table is entire, but deprefied, and the lower broken; and when the extravistated Bluod would endanger the Perforb being fairficated. See

CRANIUM.

The Manner of Trepsaming, or Opening the Scull, is thus, The Hairs being shaven off, the Skin is to be cut The Manner of Eriphomogy or Lymning the Soul, is therefore the Property of the Soul, is therefore the Property of the Soul of the Wallack of the Temples, and the Source of the Soul of the Markles of the Temples, and the Source of the Soul of the Markles of the Temples, and the Source of the Soul, the he for little Blood fight, that the Precessors may set the face to the Soul, the of the Soul, the Source, the Advice of the Source of the Source, the Advice of the Source, the Advice of the Source of the Sour

ter to make it cool and Hippery.

The Blood appearing, will thew you are now gene as deep as the fectord Table, i. e. beyond the Skull, to the Dara Mater; in which Cale you must prefe very gently, left that Membrane be anadvitedly hurt.

When the Bone begins to wag, put fomething in between the Skides of the Wound; loofen it, and take it out with a

the Salte of the Woods, border, as sometimen overveen the presence of the pres

the Forthead.

TREPIDATION, in Medicine, a Tremer, or Trembling of the Members and Nerves of the Body. See Tremor, The first Symptom of Madors in Dogs, is a Trepidation of the Members, &c. See Hydrophobaa.

TREFIDATION, in the ancient Aftronomy, is a Libration of the eighth Sphere; or a Motion which the Presentation System attributes to the Firmancot, to account fur certain System artifistes to the Firmannon, to account fur certain aimont incendible Changes and Motions oblier? of in the Axis of the World; by means whereof the Latinades of the fixed Sars come to be gradually changed, and the Ecliptic ferms to approach reciprocally, first cowards one Pole; them the other, See Protomate; 65.

This Motion is also call of the Motion of the first Libration.

See LIBRATIO

TRESPASS, in Law, fignifies any Transgression of the Law, under Treason, Felony, or Misprasion of Treason, See Transcression.

For a Lord of Parliament to depart from thence without the King's Locence, is neither Treason nor Felony, but Tref-pass. Staumiford Pl. Cor.

The Word Trespass, however, is generally us'd either for that Wrong or Damage which is done to the King in his Forest, or by one private Man to another. According to this Signification, it is of two Serts; Tref-

According to this Signification, it is of two Series, Try-pass general, otherwise call'd Trespass or is armit, where Force or Violence is wid: And Trespass special, otherwise call'd Trespass upon the Case; which should be that done without Force. — But the two are fometimes confounded. In an Action of Zreffofs, the Plaintiff always fues for Damages, or the Value of the Hurt done him by the Defendant. See Damages.

fendint. Sec LIMMOUS.
There is also Tripfal fixed and Tripfal fixed lively.
Tripfal fixed is that which is to annex d to the Place certain, that if the Defendant join life upon a Flace, and traverie the Flace mention d in the Declaration, and are vity it is enough to defeat the Advon. it is enough to defeat the Advon.
The Tripfal frangitory, it that which cannot be defeated by the Defendant of the Place in not received. Sec. The sec in Place, because the Place is not received.

material. See TRAVERSE.

The Action of Trespass, quare clausum fregit, ought to

TRESSURE, in Heraldry, a Diminu-tive of an Orfe, ufually supposed to be half the Breadth thereof. See ORLE, sold of

3

the Breath thereof. See Va.s.
It is usually born flowr, and consterfloyy and functions double, as in the
Figure adoping; and functions triple, is
explained by Minghen to be three Stock, or
a three-foord Shoot particularly a wooden Frame to best up
Tables, Scaindels, Ur.
TREET, in Commerce, an Allowance unde for the Walle
or the Dolt that may be mist with any Commodity which
Tables, a food in every ray (about Weight. See

TREVE de Dieu, Trevia, Trevvia, Trevo, at Trugs Dei, a Phrafe facous in the Hiltories of the Xith Century; when the Diforders and Lucences of private Wars between particular Lords and Familtes, oblig'd the Bifliops of France to forbid fuch Violences within certain Tigues, under Ganonical Pains.

Those Intervals they call'd Treve de Dieu, q. d. Truce of God, a Phrase frequent in the Councils tince that Time. See TRUCE.
The first Regulation of this Kind was in a Synod held in

the Diocese of Elso in Roufellon, Anno 1027, where it was enacted, That throughout that County, no Person should attack his Enemy from the Hour of Nones on Saturday, to attack his Enemy tend the Hear of N. NOOSA on Australia, to that of Primes on Admidy, that Strategy might have its pro-per Honour: That no Eody flood attack, at any Time, Religious or Prictive alking natural, do not appelling oping to Cauch, or returning from the fame, or sulking with Wo-men: That no Body Bundl attack a Charch, or say Houle within thirty Faces around it.— The whole under Penalty of Excommunication, which, at the Ead of three Months, was

Excommencation, which, at the End or trace promone, was converted into a Anathems.

TRIA prima, among Chymilty, the three Hypoflutical Principles, our. Salt, Sulphara, and Mercury, of which they hold all Bodies to be primarily made, and into which they are all held reclavable by Pire. See Parsucytta and Experience and Control of the C

TRIAD, TRIAS, reast, a Term resonance as a Trinty, Sec Triats.

TRIAL, in Law, the Examination of any Caufe, whether Civil or Comingla, according to the Laws of the Realm, before a proper judge. See Causa and Jacob.

Of this there are divers Kny. Marten of Law by the judges.

The Company of the Company of the Condition of the Causal Sec. 1, Marten of Law by the judges.

The Decous Fig. 1.

A Lord of Parliantent indicted of Treason or Felony, A Lord of traitanent indexes of Treaton or Felony, shall be try'd, without any Oath, by his Peers, upon their Honours and Allegiance; but in Appeal, at the Suit of any Subject, they shall be try'd per boxos & legales bomines. See

If ancient Demefite be pleaded of a Manor, and deny'd, this fhall be 17y'd by the Record of Docmfday. See DE-

MESNE and DOOMSDAY.

Baffardy, Excommunication, Lawfulness of Marriag
and other Ecclesiaffical Matters, shall be 173'd by the B

and other Ecclediafical Masters, final be xxyl by the Bit floop Cernificate, a Creminal Cafe, 'thur faul to ak the Cri-ministone he will be xxyl the whole was acciently a very pertinent Quellion, the 'not fo now, in regard there were tormetry leavest Ways of Yizid, ees. by Bartet, Ordealt, and Yarry. See Horvert, Korona, and Jones. Country, it flowed the made Choice to be xxyl by a Jury.— But there is now no other Ways of Yizid. This is allo called xxyling

is now no other Way of Fried. This is also called rying per pair, for patrians

For the ancient Manner of Trial by Combat and great

Miles; See Connar, Durl, and Assiza.

TRIANGLE, in Geometry, a Figure compechenced under three Lines, and which of Confequence, has three Angles.

See Fronks and Anolas.

If the three Lines or Sides of the Triangle be all right, it is faid to be a Plane or Reclilinear Triangle. See PLANE and RECTILINEAR.

If all the three Sides of the Triangle be equal, (as ABC Tab. Geometry, Fig. 68.) it is faid to be equilateral. See

Equilateral.

If only two of the Sides of the Triangle be equal, (as in DEF, Fig. 69.) it is call'd an Ifocolor; or Equicraral Trian-

the See Isosceres, Se.

If all the Sides of the Triangle be unequal to each other, as in ACB, Fig. 70.) the Triangle is faid to be Scalement.

(as in A.U.S., Fig. 76) the 17 mage: is that to be distributed.

If one of the Angles (as K of Fig. 7t.) of a Triangle
KML be a right Angle, the Triangle is faid to be Reflangular. See RECHANGE.

If one of the Angles (as N Fig. 72.) be obtuach, the Triangle is faid to be obsulgangular, or Inablyganous. See On-

If all the Angles be acute, (as in ACB, Fig. 68.) the Triangle is faid to be Acutangular, or Oxygonous. See ACUTANOLE, &c.

If the three Lines of the Triangle be all curves, the Tri-

It the three Lines of the Triangle be all curves, the Triangle is faid to be Caryelinear. See Cunvilinear.

If fome of the Sides be right, and others curve, the
Angle is faid to be Mixtilinear. See Mixtilinear.

If the Sides be all Arches of great Cricles of the Sphere,
the Triangle is faid to be Spherical. See Spherical Tri-

## Construction of TRIANGLES.

§2. Two Sides, as AB and AG. Fig. 7s being given in Numbers on ethods. A gapther with the Country tribudge. Numbers of the Country tribudge. A gapther with the Country tribudge. A fallow AB as a first a condition at a first angle — A fallow AB as a first a solid in Amate the given Angle: On the color Leg fee off the other given Lies AC, Itally, draw BG. Then will AB Co the Errougely required. But the Country of the Coun

and are herefore finiting , configurably e = C and b = B, g = 1, AB = BC, CE.

2. There Sides, AB, BC, and CA, Fig, p, being given, any two where GA as CA, AB, GA, are only engaged as AC, AB, then respectively. A fluid AB for AB and AB are AB are AB are AB are AB and AB are AB are AB and AB are AB and AB are AB are AB and AB and AB are AB and AB

Hence, as of any three given right Lines, only one Tri-angle can be constructed; by determining the three Sides,

angue can be contracted; by determining the three Sides, the whole f-range is determined. Wherefore if in two T-integles  $A \subset B$  and  $a \circ b \circ A \subset C$ :  $AB: a \circ \varepsilon \circ \delta \circ A \subset C \subset B: a \circ \varepsilon \circ \delta \circ \delta$  are the f-range are de-termined in the fame Manner, and confequently are fimilar,

sermind in the fame Manner, and confequently are finally, and therefore are munually equipally, and the final series and the series are musually equipally and the final series and series are series and series and series and series are determined after the fame Manner, and therefore are indicated as the series and series are series and series are series and series are series and series are series and series and series are series are series and series are series and series are series are series and series are series and series are series are series are seri

## Menferation of TRIANGLES.

To find the Area of a Triangle. — Multiply the Base A B Fig. 74. by the Altitude Cd; half the Product is the Area of the Triangle A B C.

Or thus: Multiply half the Base AB by the Altitude CD so or the whole Base by half the Altitude; the Product is the Area of the Triangle.

| E.gr. AB=342 | AB=342  | 1 AB=171 |      |
|--------------|---------|----------|------|
| Cd=234       | {CD=117 | Cd=234   |      |
| 1368         | 2394    | 684      |      |
| 1016         | 342     | 513      |      |
| 684          | 342     | 342      |      |
| 2) 80028 (   | 40014   | 40014    | Area |
| arc as 40014 | _       |          |      |

Oo, The Area of any Tranges is had by adding all the three Sides expected, and tuling half the Soms and from that half Som, fishfulching the Soms and the Som and the Som and the Som and the Remainder continuation and the Som and the Remainder continuation and the Som and the Remainder continuation on another, and extracting the Square Root of the Product. Honce, "I the between the Ball, and half the Alterior or between the Altitude, and half the Ball, be found a mean Propertional; I will be the Side of a Square equal to the

Triangle. 2° . If the Area of a Triangle be divided by half the Bafe, the Quotient is the Aleitude.

## General Properties of Plane TRIANGLES.

 $t^{\circ}$ . If in two Triangles ABC and abc, Fig. 73. the Angle Abc = a; and the Sides AB = ab, and AC = ac; then will the Sides BC = bc, and C = c, the Angle B = b; and therethe sides BC = 1, and C = 2, the rangle B = 2; and therefore the whole Triangles will be equal and fimilar.

2°. If one Side of a Triangle A BC (Fig. 75.) be continued to D; the external Angle DAB will be greater than nu or D 3 the external Angle DAB will be greater than either of the internal opposite ones B or C. 3°. In every Triangle, the greatest Side is opposed to the greatest Angle, and the least to the least. 4°. In every Triangle, any two Sides taken together are greater than the third.

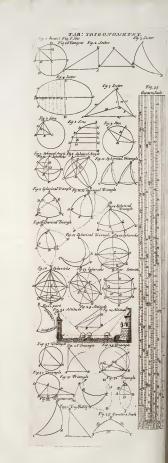
a\*. In every Frimgle, my two Sides nixen together ase generate than tensing plant, the feveral follow of the care be reflectively equal to the Sides of the care be reflectively equal and confinement the whole the reflectively equal and confinement the whole the reflectively equal and confinement the whole Trinscape required and finalize. The second of the second register of the secon Manner, if the double of one of the Angles at the Bate y be flubftracted from 180, the Remainder is the Quantity of the Angle at the Vertex.

mentions when the mention is the Quantity of the mentions when the property of the Markov (Markov) and the Markov (Markov) (Marko

See PARALLEL.

14°. Every Triangle, as CFD, Fig. 41. is one half of a Pa rallelogram ACDB on the fame, or an equal Base CD, and of the same Altitude, or between the same Parallels: Or a Trisugle is equal to a Parallelogram upon the fame Bafe, but half the Altitude; or half the Bafe, and the fame Altitude. See PARALLELOGRAM.





fite Angles, 16°. In very plane Trisugle, as the Sum of two Sides is to their Difference, fo is the Tangent of half the Sum of the oppoint Angles, to the Tangent of half their Difference. See Tangent.

Sée TANGENT.

17°. If a Perpendicolar be let fall upon the Bafe of an oblique angled Yrisogle; the Difference of the Squares of the Sides is equal to double the Rechangle under the Bafe, and the Diffance of the Perpendicular from the Middle of the Bafe

the Baic.

18°. The Sides of a Triangle are cut proportionably, by a
Line drawn parallel to the Baic.

19°. A whole Triangle, is no a Triangle cut off by a right
Line, as the Rectangle under the cut Sides, is to the Rectangle of the other two Sides.

gle of the other two Sides.

20. la a right bired Viriangle, a Line drawn from the
right Angle at the Tup perpendituals to the Hypothemist,
divides the Timagle into two other right lined Viriangle, is
valid to the right period of the right of the Viriangle,
a l'-1, lo cover right angled Viriangle, as Square of the
Hypothemate is equal to the Sum of the Square of the other
too Sides. See the volume value, as the viriangle, the Square of the other

1. The cover of the Sum of the Square of the other

1. The cover of the Sum of the Square of the other

1. The square of the Sum of the Square of the other

1. The square of the Sum of the Square of the other

1. The square of the Sum of the Square of the other

1. The square of the Sum of the Square of the other

1. The square of th

22°. If any Angle of a Triangle be biffected, the biffect-ing Line will divide the opposite Side, in the fame Propor-tion as the Legs of the Angle are to one another. See

tion as the Logs of the Sentence of the Research of the Rectangle, and the Difference of the Rectangles, made by the Sides and the Segments of the Bits, is equal to the Square of the Line that biffeds the Angle.

16 of the July Line RE. Fig. 28, biffedt an Angle ABC that bindes are ange.

24°. If a right Line BE, Fig. 78. biffect an Angle ABC
of a Triangle, the Square of the faid Line BE=AB+BC
-AE+EC. Newt. Arith. Univers.

Properties of Spherical Triangles. See Spherical Tri-

angle.

To kivide a Triangle into any given Number of equal Parts: Divide the Balk CD (Fig. 77.) into as many equal Parts as the Figure is to be divided into 3 and draw the Lines A 1, A 2, Sc. TRIANCIE, in Trigonometry.— The Solution or Analysis of Triangles, is the Business of Trigonometry. See TRIGO-NOMETRY.

The feveral Cafes thereof are reducible to the following Problems.

Solution of plane TRIANGLES.

1º. Two singlet A and C (Tale, Tricomorary, Fig. 27), being given, specifier excit the Side A B cylifter on our of the Side A B cylifter on our of the Side A B cylifter on our of the Side A B cylifter on the Cylifter of the cylifter A maje A, to be Side requird. The Side B C, therefore, is communicative found by the Logarithms. given. See LOGARITHM

For an Example: Suppose C=48° 35', A=57\* 28', A B=74. The Operation will fland thus:

Log. of Sinc of C Log. of AB Log. of Sinc of A 9.8750142 1.8691317 9.9258681

Sum of Log. of AB and of Sine of A 11.7950998

am of Sine of A 5 \*\*-17350998
Log of B G
1.0000956. The Number correfronding ro which, in the Table of Logarithm, is 83, the
Country of the the Table of Logarithm, is 83, the
Country of the A 1 to 87 the
Country of the A 1 to 88 the
Country of the
Country of the A 1 to 88 the
Country of the
Cou

E. gr. Suppose A B=94, BC=69, C=7° 15'.

Log. of A B Log. of Sine of C Log. of B C 9.9788175

Sum of Log. of Sine } 11.3176666

15°. In every Triangle, as well plane as fisherical, the BC, 49, and the Cathetus AC, 36, to find the Angle B; Then Sines of the Sides, are proportional to the Sines of the Opposition fland thus:

Log. of BC 1.6901961 Log of whole Sine 10,0000 Log of A C

Log, of Sim of B 9, 3864 1664. The corresponding Number to which, in the Table of Logarithms, is 47 167 5 confequently, G = 42 44, the property of the second secon Rule then is;

As one Leg A B, is to the other A C; fo is the whole Sine to the Tangent of the Angle B.

E.gr. Suppose BA 79, and AC 74; Log of BA 18976271 17323938 Log. of whole Sine 100

E.gr. Suppose AB = 75, AC 58, A 108° 24'; Then

AB75 AB75 A+B+C 179° 60' AC58 AC58 A+B+C 179° 60' B+C 71 36 Sum 133 Differ. 17 B-4-C 35 48

Log. of AB+ÅC 2.1238516 Log. of AB-AC 1.2304489 Log. of Tang. B+C 98580694

um of Log. 12.0885183 of Tang. C.— B 8.9646667. The corresponding Num-

ber to which is 50 16'. B+C=35° 48' B+C=35° 48' C-B=516 C-B= 5° 16'

C=414 B == 30 32

4º The Three Sides, A B, B C and C A (Fig. 30.) being given, to find the Angle A, B and C.
From the Vertex of the Angle A, with the Extent of the leaft Side A B, deferible a Greet : Then will C D be the Sum of the Legs A C and A B; and C F their Difference. The Rule then is

Rule thus  $\bar{n}_i$ . As the Bais B C is to the Sum of the Legs CD ; fo in the Difference of the Legs CP, to the Sigment of the Baic CG. — This Sigment, that Song-being Gharded from the Baic CB, the Remnisder is the Chord CB. Then, from A to the Chord CB lett fall the Perpendicular A B; thus well BE  $\equiv$  EC = 4 CB. The set of the Chord CB is the Side of the Chord CB. Then, the Side of Baic CB. The Chord CB is the Chord CB is the Side of Baic CB. 
E.gr. Suppofe A B = 36, A C = 45, B C = 40.

A C = 45 A B = 36 A C == 45 A B 36 AC-I-AB=8: FC= 9

Log. of B C = 1. 6020600 Log. of A C + A B 1. 9084850 Log. of F C = 0. 9542425 Sum of Log. == 2. 8627275

Log. of CG == 1. 2606675 3 uber to which, in the Tables, is 18. The corresponding

EG = 1089 CG = 1822 BC = 4000 CG = 1822 CE = 2911 BG = 2178BE = 1089

Log, of AB == 3-Log, of whole Sine == 10 Log, of EB == 2, 3-5563025

Log, of whole Sine = 10.0000000 Log, of EB = 3.0370279 Log, of Sine of EAC=9.8103.97; to which the correspondent Number in the Tables is 40° 18'; therefore A CE 49° 42'; and CAB 57° 54'.

Solution of right angled Spherical TRIANGLES, by the

I. In a right angled filterical Triangle, any two Parts leftlet be right Angle, burng given, to find any of the right. I condition whether the Parts, which came to the Question, be conjunct or disjunct (See Parts.) If the disjunct be opposite to each other; as, if the Hypotheosic B C, and the Angle C, Fig. 31. be given for the opposite Leg AB, then the Kudi is §

As the whole Sime it to the Sime of the Hypothennie BC; fo is the Sime of the Angle C, to the Sime of the appoint Lig. A B.

A B.

2º If the disjund Parts be not opposite to each other;
as, if A B, and the adjacent Angle B be given for the
opposite Angle C; the Sides of the Triangle are to be contuned one Way, till they become Quadrant, that you may
thus have a new Triangle, wherein the Parts that come into thus have a new Yringgle, wherein the Parts that come into the Cartilon, set neutrally opposite on each other; a, i, in our the Cartilon, set neutrally opposite on each other; a, ii, in our considerate of the Log AB, and the Angle B for EF, the Complement of the Angle C. The Rule item is: At the weblet Star is to the Star of BF; for it the Star of the Angle B. The Star of BF; go for it the Star of the Angle B. The Star of BF; for it the Star of the Angle B. The Star of EF, are of Coffing of C. 3° if the Hyperbraule is not among the conjunct Parts, and the Hyperbraudic be not among the conjunct Parts, and the Star of the S

as if the Legs A B and A C be given for an Angle coposite to core of them; the Rule is,
A the Stare of A C is to the whole Stare; 6 is the Tangent
A that Stare of A C is to the whole Stare; 6 is the Tangent
A B that if the Hypotherasis B G and among the cospical
Parts; as if the Hypotherasis B G, and the Angle C be
priven to find the adjacent Side A C: The Sides of the
Trimple are to be continued one way, till they become Quamindred in the adjacent Side A is the start of the star orans, uses we may have a new Yrangite, wherein the Hyperfecture is not among the Parts that come iso the Quetilion s.e.gr. in our Cafe, the Yrangile E.B.F., wherein are given the Complement B of the Hyperfenale B G, and the Complement of the Angele C, and the Angle F is and the Complement of the Leg AC. Since then, in the Yrangile E F B, the Hyperfenale does not come in the Quetilion; the Rale is a before.

the Rule is a before.

At the Strong F. R., or Offers of C, it is the exhalt Strong is

At the Strong F. R., or Offers of C, it is the exhalt Strong is

If R., or Strong R. Offers of R. Offers of R. Offers

If R. Offers of R. Offers of R. Offers of R. Offers of R. Offers

If R. Offers of R. Offers of R. Offers of R. Offers of R. Offers

If When the Stoke of a Tringing her so the continued, in

the fit as the time, which way forerer time; the produced, pro
violation neares, and offer offers of R. Offers

Offers of R. Offers

If 
Tangents

Solution of right angled Spherical Triangles, by one cashelick

Confider, as before, whether the Parts that come in Question be copiead for disjunct. See Paxv. If wither one, or both the Solets, including the right rapple, If wither one, or both the Solets, including the right rapple, I was a supplementable of the confidence of the Confiden or Tangent, the Side or Angle corresponding to which, in the artificial Canno of Triangles, is the Side or Angle fought.

This univerfal Rule being of great Service in Trigonometry,

we shall apply it to the various Cases thereof, and illustrate is with Examples, which Examples, in the Cafe of fe-parate Parts, will at the fame time illustrate the common Method; but in the Cafe of contiguous Parts, admit of other Solution.

1° Given the Hypothenufe BC 60° and the Augle C 23° 30', to find the opposite Leg A B (Fig. 32.)

Since AB is the middle Part, C and BC are disjunct (See Parr); the whole Sine, with the Co-fine of the Complement AB, i. e. with the Sine itself of AB, is equal to the Sines of C and BC.

Therefore, from Sine of C 96006997 Sinc of B C 99375306 195382202

Sum 195383103
Subtrack whole Sine 10000000
Remain Sine of A B 95382503. The corresponding Number to which, in the Canon, is 20° 12′ 6″.
20° Grown the Hyperheauff BC 60° and the Leg A B 20°

2: circulate Hypothermath BC 60° and the Leg AB 20° 12° 6" to find the physicis indiges. To believe the vivident from the preceding Problem, that from the Sam of the whole Sine, and the Sine of the Leg AB, the Sine of the Hypothesule BC is to be finbreaked; the Remainded it the Sine of the Angle C. The Example, therefore, of the former Cafe is easily converted into an Example of this.

of this,

3' Grown the Log A B 20° 12' 6" and the opposite Angle
C 23° 30', to find the Hypothemnie B C.
C 3° 30', to find the Hypothemnie B C.
This evident trem the first Case, that from the Sam of
the whole Sine, and the Sine of A B is to be subtracked the
Sine of the Angle C, and the Remainder is the Sine of the

Hypothenuse B C

Given the Hypothenuse BC 60°, and one Log AB 4º Griter ner Ergrand.
20º 12' 16" to find the other Leg.
Since B.C. is the mean Part, and A.B. and A.C. are disjunct Parts, the whole Size, with the Co-fixe of the Hypothe-pute B C, are equal to the Sizes of the Complements; i.e. to the Ca-fixes of the Legs AB and A C.

Therefore from whole Sine 100000000 Co fire of B C 96989700 Sum 196989700 Subtract Co-fine of A B 99724279

Remains Co fine of AC 97165411. The Corre-forming Number to which, in the Canon, is 32° 11' 34" of therefore AC 97 48' 26".
2" Given the Legt AC 97° 48' 26" and AB 20° 11' 6", "This written from the preceding Cafe, that the whole Sine is to be bibarted from the Sum of the Co-fines of the Legs

is to be hoursected from the Sum of the Ca-fines of the Lega A B and A C<sub>2</sub> the Remainder is the Co-fine of the Hypo-therenie B.G. The Example, therefore, of the preceding Cate in ceiling papel of this, S<sub>1</sub> and the adjacent Angle C<sub>2</sub> and the Leg A C<sub>2</sub> and S<sub>3</sub> and the adjacent Angle C<sub>3</sub> and the Lega A C<sub>3</sub> and S<sub>4</sub> and C<sub>4</sub> and C<sub>4</sub> disjunct Parts, the whole Sire, with the Ca-fine of B, is equal to the Sire of C<sub>4</sub> and the Sign of the Camplement, i. e., in the Ca-fine of C<sub>4</sub> and the Sign of the Camplement, i. e., to the Ca-fine

of C, and the Sine of the Complement, i.e. to the Co-fine of A C ;

Therefore from Sine of C 96006997 Co-fine AC 97265421 Sum 193272418 Subtract whole Sine 100000000

Remains Co-fine of B 93272418. The Number corresponding to which, in the Canon, is 12° 14' 56" 4 there-

corresponding to which, in the Canoni, is 127-15 50. 3 indexes 15 79 44, 20 AC 579 487 187 indicate opporation from the proceeding the control of the Co-fine of A to evident from the preceding Cafe, that the Co-fine of A to be obtained from the Sum of the whole Sine, and the Co-fine of B 5 the Remainder is the Sire of C. The former Example, therefore, it cally accommodated to the

present Cafe 8° Given the ablique Angles B 77° 44' 4' and C 23° 30', find the Leg adjacent to the other, A.C.

8' Given ite compare Angels B 17' 44 4' and C 23' 36, of pind the Leg dediscuts to the other, A C.

From Problem the Sixth, 'tis evident that the Sine of C is to be inburselted from the Sam of the whole Sine, and the Co-fine of B; and that the Remainder is the Co-fine of A C. The Example of the Sixth Problem is easily applied

to this.

9° Given the Leg A C 51° 48′ 16″ and the adjacent Angle
C 25° 30, to find the applied Leg A B.

Since A C is the mean Part, and C and A B conjunct
Parts, the whole Sine, with the Sine of A C, is equal to the
Co tangent of C, and the Tangent of A B.

Therefore from whole Sine 100000000 Sine of A C 99275039

Sum 1992139319
Subtract Co tangent of C 16361651 Remain Tangent of A B 9658058. To which the corresponding Number in the Canon, is 20° 12° 6.
To Given the Ligh B 20° 11° 6° and the appoint Angle C 25° 30, so find the adjacent Ligh A C.

From the Sum of the Co-rangent of C, and the Tangent of A B, fuhrract the whole Sine; the Remainder is the Sine of

Sine of A.C. 11° Green the Legs A.B. 20° 12′ 6′, and A.C. 57° 48′ 26°, to find the Angle C, aphyline to one of them.

From the Sum of the whole Sine, and Sine A.C, fubtract the Tangent of B.A.; the Remainder is the Co-tangent of

12° Given the Heptetheunfe BC 60°, and the oblique Angle C 23° 30', to find the adjacent Leg A C. Since C is the middle Part, and BC and A C conjoynt Parts , the whole Sine, with the Co-fine of C, will be equal to the Co-tangeot of AC.

Therefore from whole Sine 100000000 Co-fine of C 99623918

tangent of BG.

tangent or B.G., the Hyperhenufe B.C. 60°, and the Leg A.C. 57° 48° 26°, to find the adjacent Augle C. From the Sum of the Co-tangent of B.C., and Tangent of A.C., fubrish the whole Sine; the Remainder is the Co-fine

15° Given the Hypothesinfe B C 60°, and one Angle C 15" extent two Hippotening B C 60°, and one Angle C 29° or, to find the other. B.
Since B C is the middle Part, and B and C disjunct Parts, the whole Sice, and the Go-fine of B C will be equal to the Co-tangents of B and C.

Therefore from whole Sine 1000000000 Co-fine of B C 06080700

Subtract Co-tangent of C

Subtract Co-tangent of C 10366981

Remains Co-tangent of B 93372719; The correonding Number to which, in the Canon, is 120 15 56"; therefore B is 77° 44' 4". 16° Given the chilique Angles B 77° 44' 4" and C 23° 30', to find the Hypothenufe.
From the Sum of the Co-tangents of C and B, fubrract

the whole Sine; the Remainder is the Co-fine of B C Solution of oblique-angled Spherical TRIANGLES.

<sup>20</sup> It or oblique-angled fiberical Triangle ABC, Crish Trigometery Fig. 3-1) row Sole: A h and BC length of the control of

Sinc of BC 98033572 Sinc of A 983647 Sine of B A 99632168

197996939

3°. Given two Sides A B 66° 45', and BC 39° 29', together with an Amile opposite to one of them A 45° 20'; to find the Angle included by them B.

the Perpendicular fall without the Triangle, be fubrrached from each other, you will have the Angie requir'd B.

E.gr. whole Sine Cofine of A B 95963154

Sum Corang, of A 195963154 100152805

Cotang of AB 95710349. The Number corre-onding to which, in the Tables, is 20° 25' 35". AB therefore is 69° 34' 25".

Cofine of A B E 95428300 Cotang, of B C 100141529 196269829

Cotting, of B 96330085 Cofine of EBC 9938544. The Number corre-fponding to which, in the Tables, is 80° 26'. Therefore ABC

is 79° 9' 59'. 4°. Gloon rwo Angles A 43° 20', and B 79° 9' 59', to-gesher with the adjacent Side A B 66° 45'; to find the Side

BC opposite to one of them

BG Oppidge as see of them.

From one of the typin Angles B, let fill a Perpendicular.

From one of the typin Angles B, let fill a Perpendicular.

From one of the typin Angles B, let fill a Perpendicular.

Both of the Angle A B, which filtered for the Angle A, BB, from the given Angle A, and I hyperbonic B. B, fill and the Angle A B, which filtered for the Angle A B, which fill a B, which filtered for the Angle A B, which filtered for the Angle A B, which a B, which is the A B, which is a A B, which is the A B, which is a A B, which is the A B, which is a A B, which

Sign AG.

Letting fall, as hefore, the Perpendicular B.E.; in the rechangled Triangle ABE, from the given Angle and Hypothenoic AB, find the Side AB. E. Since, afforming B.E. for a laceral Part in the Triangle AEB, AB is the middle Part, and AE the freparate Part; and in the Triangle BEC, BC, is the mean Part, and BC a disjunct Part; the Coline of EC. is the mean Part, and EU a disputel Part; the Coline of EU is found by Inderchizing the Coline of A B from the Sam of the Colines of A E and C E. If then the Segments A E and E C be added together you in safe the Perpendicular fall without the Tritangie, be laberated from each other; the Side A C will be had. 6° Given rew Side A C 6° 90° 44°, and A B 66° 45°, regenter with the included Angle A; to find the third Side A greater with the included Angle A; to find the third Side

eignibler with the minimal Angle A, in Dyds int interesting BBC opplite better.

Letting fall the Perpendicular B E, find, in the rechangled Trinogle, the Segment A E, which fabracked from A C, leaves BC. If the Perpendicular fall without the Trinogle, A C is no be fabracked from AB, time by diffusing the Perpendicular BE for a lateral Part in the Trinogle A E B, A B becomes a model Part, and AB a Separate Part in the Trisogle EBC, CB is the middle Parr, EC a feparate Part:
The Cofine of BC is found, by fubtracting the Cofine of
A E from the Sum of the Cofines of A B and EC.

A B trom the Sum of the Column of A B and B C.

'9. Given row Amfalls A 43 v. 50, and B 73 v. 5 v. 5 v.

ther with the Side C B 33 v. 2 v. of playing to one of them 1 v.

Letting Bill the Vergendicular C D from the unknown Angle C, to the opposite Side A B 3 and that falling within the Principle, from the given Angle B, and the Hypothensia B C, to the opposite Side A B, and that falling within the feel in the rectaingled Virlangie B CD for the Segment B D. fock in the seckangied Triangie BCD for for a literal Part in the Squeent BBD, spread fillmage in the Propositionis of D for a literal Part in the Squeent BBD, spread Fillmage in Compared Part  $\chi$  and in the Triangie CDA, AD is the middle Part, and for the Triangie CDA, AD is the middle Part, and for the Triangie CDA, AD is the middle Part, and in the Triangie CDA, AD is the middle Part, and in the Triangie CDA is directly a sequence of AD in Squeent AD in Squared Part T in T is the T in T

89. Given two Sides A B 66° 45', and BC 39° 29', with the included Angle 79° 9' 59"; to find the Angle A opposite

to one of them. round of them.

From the Proposition of D. find the Segment D.R.

Letting, 6.1 the Proposition of D. find the Segment D.R.

Letting, 6.1 the Proposition of D.R.

And the Proposition of D.R.

Letting of the Proposition of D.R.

Letting of D.R.

copposite to the fame

[299]

From one of the given Angles B, letting full the Perpendi-cular B E, to the opposite Side A C; in the rectangled Triangle A B E, from the given Angle A, and Hypothenafe A B, we find the Angle A B E; which fubracited from A B C, leaves sind the Angle A B E 5, which fisheracted from A B G, leaves the Angle B B C, in eithe the Perpotential at all evidence the Angle B B C, in eithe the Perpotential at all evidence the Angle G B E, and a set of the Angle G B E and a set of the Angle G B E and a set of the Angle G B E and a set of the Angle G B E and a set of the Angle G B E and a set of the Angle A B E and a set of the Angle A B E and a set of the Angle A B E and a set of the Angle A B E and a set of the Angle A B E and a set of the Angle A B E and a set of the Angle A B E and a set of the Angle A B E A

10°. Given two Angles A 43° 20', and C 82° 34', tage-ther with a Side BA 66° 45', opposite to one of them; to

since the AS of SA, Applyine to mer of home; In Francisco and SA, SA, Applyine to mer of home; In Francisco and SA. Francisco and SA. Francisco and SA. Francisco and SA. Francisco and SA, and Dyspolence BA, Since the given Angle As and Dyspolence BA, Since the Association and SA. Since the SA, and Dyspolence BA, Since the AS of the Association and SA, Sancisco 
I. If one Side A C, Fig. 16. be a Quadrant, and the Leg A B 1. It not Side A G. Fig. 16 be a Quadrant, and the Log A D left than a Quadrant, find the Angle A. Continue AB to F, till A F become equal to a Quadrant; and from the Fook A down the Arch CF, to cut the Arch A F at right Angles in F. Since in the reflaughed 27th right C × F, we have given the Hypotheside B G, and the Side A, For in Complement A B to a Quadrant; we fhall find the Percenticular C F C, which being the Mediator of the Angle C A B, that angle is bound of

being the Meritare of the Angle C Å th, that Angle is somed of C. I. I. All the State of the Angle A D. I. I. I. State of the Angle A A. I. Form A AR Others of the Angle A I. Form A R Others of the Angle A I. Form A R Others of the Angle A I. Form A III. I see a single of the Angle A I. Form A III. I see a single of the Angle A III. I see a single of the Angle A III. I see a single of D. III. I see a single of the Angle A III. I see a single of D. III. I see a single of D. III. I see a single of D. III. I see a single of the Angle A OTHER O Semi-difference of the Segments AD and DB: Add then the Semi-difference of the Segments to the half Batk, to find the greater Segment; and fubrack the fame from the fame for the left. Than having in the recknepted "Triangle C AD, the Hypothemust AC, and the Side AD, the Angle A is found threece. After the fame Manner is B found in the other CDB, from CD and DB given. 120. Given the three Angles A B and C, to find any of the

Silvet. Since in lieu of the given Triengle, another may be at fourd, whole Silvet are equal to the given Augles, and the fourd, whole Silvet are to the given Augles, and the more another than the preceding one.

The Induction, The Induction, in Althonomy, a Marie of Confillations in the one in the Northern Henriffeter, call of lamply Triengland, or Triengland Carlotte, the Confillation of Triengland Carlotte, and the Confillation of Triengland Carlotte, and Triengland Carlotte, and Carlotte, and Triengland Carlotte, and Carlott

low Auftrale. See Constructation.

The Stats in the Northern Triangle, in Prolomy's Catalogue are 4; in Typle's as many; in the Britannic 24:
The Longitudes, Latitudes, Magnitudes, Sc. whereof, are as follow:

ellation TRIANGULUS. Sters in the Confiellation TRIANGULUM.

| 2131011 2144 011220110 01 | of Dong    |                       |  |  |  |  |
|---------------------------|------------|-----------------------|--|--|--|--|
| the Stare.                | 8011       | 0 1 12                |  |  |  |  |
| That preceding the Vertex | \$ 0 05 17 | 17 49 08<br>16 48 14  |  |  |  |  |
| Vertex of the Triangle    | 2 30 51    | 16 48 23              |  |  |  |  |
| That following the Vertex | 6 00 25    | 19 18 00              |  |  |  |  |
| First of 3 in the Base    | 7 59 44    | 20 \$4 17<br>17 06 18 |  |  |  |  |
|                           | 7 18 45    | 17 06 18              |  |  |  |  |
|                           |            |                       |  |  |  |  |

| Names and Situation of MLongitude Latitude,     | 13   |
|---|------|
| 20 1 11 0 1 11                                  | 10,5 |
| R of 3 Inform, under Triangle 6 52 35 15 59 02  | 6    |
| ontig. to the laft of the Bate 8 42 40 18 34 12 | 6    |
| 4iddle one of the Base 9 09 43 19 21 32         | 5    |
| aft of the Bale 9 to 21 18 16 07                | 4    |
| of Inform. under the Triang. 7 38 31 13 55 26   | 10   |
|   | !    |
| aft of these Informes 9 09 17 14 12 08          | 7    |
|   |      |
|   | 6    |
| 17 08 18 20 00 37<br>13 17 01 18 26 18          | 7    |
| 15  | 1'   |
| (28th) (- 10 14 15 8 49 48                      | 7    |
| (31ft) (- 11 48 01 10 51 52                     | 5    |
|   | 12   |
| formes between 40th - 13 51 45 10 25 37         | 3 7  |
| te Rams Tail, 48th of A 16 12 53 8 51 55        | 1 2  |
| which are miso / cies /                         | ( '  |
| mmber'd among 50th - 16 22 25 8 59 42           | 7    |
| - 16 29 24 7 20 C4                              | 7    |
| [ c4th ] - 18 27 c6   10 c4 26                  | 7    |
| (55th) - 18 41 07 8 58 28                       | 76   |
|   |      |

TRIANGULAR Compassion, are such as have three Legs or Feet, whereby to take off any Triangle at once. See COMPASSES. These are much us'd in the Construction of Maps, Globes,

TRIANOULAR Numbers, are a kind of Polygenous Numbers, fee Potvooxous Numbers, being the Sums of Arithmetical Progreffions, the Difference of whose Terms is 1:

Thus, Of Arithmetical Progrefs 12 3 4 5 6 are formed Yrange, Numb. 1 3 6 10 15 21.

TRIANGULAR Quadrant, is a Sector furnish'd with a loofe Piece, whereby to make it an Equilateral Triangle.

Sec SECTOR. The Calendar is graduated thereon, with the Sun's Piace, Declination, and other ufeful Lines; and by the Help of a String and a Plummer, and the Divifious graduated on the loofe Piece, it may be made to ferve for a Quadrant. See

loof Piece, it may be mass. See the secret.

PRAIA SCHLARIS, in Austrary, a Name given to too go distinction, in expect of their Figure. See the secret. See Absence of the secret of th the Origination and Infertion are at Farts not moreable, but together. — Dr. Dride dosjelchures it may conduct rowards the forming the necellary lecurvation of the Sterman, and by its Over-tendion in Children, while the Cartiages are doi; may occasion that unorbid Acumunation of the Sterman ited in rickery Children. — Others Impose it may contact the Cavity of the Thorax in Expiration. Trainsourchast Italii. See Derresson Lebii Supe-

TRIARII, in the Roman Militia, a kind of Infantry, arm'd with a Pike and a Shield, a Helmet and a Guirass. They were thus call'd, because they made the third Line of Battle,

of Bairle.

of Bairle.

difficulties and reference of the Robert and the Robert Application for Mall Pairles, or Pairles, were a see Soldierr, Inghally armond.—The Hightin, or Spectremen, were a Degree deley, and more experienced.—The third, cal'd Principles, Princes, were fill idder, and better Soldier takes of the Robert Soldier takes and the Robert Soldier takes are certain to the Pairles and the Robert Soldier takes are certain and the Pairles and the Robert Soldier takes are certain and the Pairles and the Robert Soldier takes are certain and the Pairles and the robert soldier takes and the robert soldier takes and the robert soldier backet on the Robert Soldier takes and the robert soldier backet on the Robert Soldier takes and the Robert Soldier takes a

Hence their Name of Triarii; and hence the Proverb at Triarios contum of, to show that one is at the last and hard-

eff Struggle.

The Triarii were also call'd Possonii, because rang'd behind the Principes, who bore the Standard in a Legion.

See PRINCIPES.

See Participia.

TAINS Memorios, et de Herominal Tara, in Mode.

TAINS Memorios de la Herominal Tara, in Mode.

TAINS Memorios de la Periode de la Periode de la Periode y two shered are a Fith, and a Third shore the other, which the Fundamental. See Concom. Critical of Third Ind.

TAIN Tried in properly in Confessions formula Sound, make the tender of the Confession of the Third Ind.

Tain Tried in Property in Confessions for the Third and Period Ind.

That of Period Ind. Third Ind. Third Ind. Third Ind. Third Ind.

Third Tara, whence the Name Tried.—That of Periodical Ind.

Third Tara, whence the Annually into even Third, yet the Fifth, which divides felf attention in the Ind.

Third Tara, whence the Annually into even Third, yet the Fifth, which divides felf attention in the Ind.

Third Tara, whence the Annually into even Third, yet the Fifth, which divides felf attention in the Ind.

Third Tara, whence the Annually into even Third, yet the Fifth Ind.

Third Tara, whence the Tara, whence the Tara, whence the Ind.

Third Tara, which is the Tara, whence the Tar both excellent, and perfectly harmonical; fo that this one Sound diffused between two others, makes two Thirds at once, and of Confequence & double Harmony. See Figure Hence it is, that in Tries, particularly, this Control is preferred to that which divides the Otave into a Fifth and & Fourth. In regard that, if there he a Concord on one Side, there is a Diffused on the other; whereas here the Harmony incomplex me bub Sides.

there is a Differed on the other; whereas here the Hattungs is complet to both Sides.

Of the three Sounds which confipelt, the harmonical Yirid, it he gravel it call? the Finedament, of Right; he sauth, i.e., that which makes the Fifth, and which reminates the Concord upwards, is call? the excluded or highely Sound; and that which divides the Fifth is agreeably into two Thirds,

is call'd the barmonical Mean

18 call of the hormonical Mean. The Divition of the Firth into two Thirds, may be performed two Ways, size, 1º. Harmonically, when the greater Third is loweft, and the lelfs arop 3 in which Cate the Trinds is perfect and natural.

Titel is pereckt and natural.

2. Arthanetically, when the left Third is lowerly, and the greater a top; in which Cale the Trine's is superiest and the greater a top; in which Cale the Trine's is superiest and TRIBLE, Transacs, in Antiquer, a Certain Quantity or Number of People; when a Division is made or a Nation market of Trine, the Defendances of the tweet's Soon of Trine, are all the Defendances of the tweet's Soon of Trine, are all the Defendances of the tweet's Soon of Trine, on the Arthanetic Southern, and Sevil Southern, Cale Sevil Southern, and Sevil Southern, and Sevil Southern, Sevil Sevil Southern, Sevil Sevil Southern, and Sevil Southern, Sevil Sevil Southern, Sevil Sevil Southern, and Sevil Southern, Sevil Sevil Southern, Sevil Sevil Southern, and Sevil Southern, Sevil Sevil Southern, Sevil 
See PATRIARCH.

There were ten of these Tribes that revolted and follow'd Teroboant.

There were use of their Eiler that revolved and follow'd The Remote Popule was at fitted by divided into their Eiler's and front this Number Peter, Pete, is was that the Wood Trafe, Fillery, work in Nike.— This Divides was a work of their Peter Peter and Peter Peter and Peter

Hence, the Inhabitants of the municipal Cities, were enly imperfect Citizens; as being of no Tribe. See Cart-

only imperfed Citizene, as being of on Trite. See Cyrr2012. Treatmen see child to perfect the Right of
Trite, which did not otherwise belong to them, that they
Trite one. See Linears, the Trite of
Trite, which did not otherwise belong to them, that they
Trite one of the Trite of the Trite of the Trite of
Trite of the Trite of the Trite of the Trite of
the Observant 1, \* the Californ, 4, \* the Epitalian 5, \* the Canifornia, 8, \* the Principality, 1, \* the State of the Trite of the State of
1, \* \* The State of the Trite of the Trite of
1, \* \* The State of the Trite of the Trite of
1, \* \* The Trite of the Trite of
1, \* The Trite of Trite of

TRIBUCH, and TREBUCHET, a Tumbrel, or Cucking-

ce Cucking-flool. TRIBUNAL, Judgment Seat, the Seat of a Judge. See Jonon.

The Tribunst in a Court of Justice, is properly the Seat of Beach whereon the Judge and his Associates are placed.

The Word is Istin, and takes its Origin from a Sext rais'd from the Ground, wherein the Tribmus of the Roman People was plac'd to administer Justice. See Tarnung.

Tribunal, Tribuna, or Tribune, among the Ancients, was also a Place from whence the People were harangued. Among the Romans, it was an Eminence near the Tem-ple, in the Place call'd Pro Rofirs, where the People were

pfs, in the Place call'd 20th Refinit, where the People were instrumed on 17-line. Of the level of the West of Indiana for a Gallery or Emurace in a Chemel, or white Take, whereas the Manies a place for a Simpleoy or Chemel, we while the Manies a place for a Simpleoy or Chemel, we wish the Take of the Manies and the American Additions or Additional in Officer. TRIBUNE, Taxawish Additions or Additional in Officer. TRIBUNE, Taxawish Additions or Additional in Officer. TRIBUNE, Taxawish Additional or Additional in Officer. The Liberty of the Foods against the Opportune of the Coras, and or defined the Liberty of the Foods against the Attempts of the Sonne and Corabi.

Condut.

The Tritimet of the People were first established in the Year of Rober 259. The first Design of the Creation, was to factive them from the Credites of Usiners, and to engage them to quit the Assentine Mount, whither they had read to the Credites of Usiners, and to engage them to quit the Assentine Mount, whither they had read to the Credites of Using the Credites of the Credites of Using the Credites of the Credites of Using the Cred

tird in Dipléature.

Their Number, at first, was but two; but the next Yestr, under the Consultate of A. Weldhumus Armorins, sed. Cassign Systems and the Consultate of A. Weldhumus Internation, sed. Cassign Systems and Systems and Systems and Systems and Systems of five wat a steetwards increased by J. Trelamorin to ten. The Appellation Systems was given them, by rection they were at first chosen out of the Yellumet of the Army-

See Tarswurs.
The Tributor ever, as I were, the Leders and Canadi.
The Virtual of the Virtual Canadian 
cree, without group any Actions for it, and metrory by use-ter the Conduct better of the Conduct better for the first their Conduct better for the Conduct for their Conduct better for the Conduct for their Conduct better for the Conduct for their Conduct for the Conduct for their the Years of their Empire on their Medals by those of them

Withinsion Tiver.
This fower was fomenines given them for a certain Number of Yeavy and functions for ever. Softwinings the Final Part of Yeavy and functions for ever. Softwinings the Final Carlot of the State of Part of P

and T. R. I. in Project.

This, however, is to be underflood of Meddra for in the first town we find it after that Time.

Cardinal Norm and P. 1999 have disputed about this Tric.

Cardinal Norm and P. 1999 have disputed about this property of the propert

there, that it erry is with it is covered to account got to entire the control of the covered to the covered throughout the covered to the covered throughout the covered to the covered throughout the covered throughout the covered to the covered throughout the covered throughout throughout the covered throughout throughout the covered throughout throughout the covered throughout t

that it render'd their Persons sacred, and gave them a Right to affemble and difinit the Senate, which were Rights the Tribuseries Power held in common with the Tribuses. F. Hardstein thinks we fhould diffinguish two Tribunician

Powers; the one Civil, the other Military; but the Proof he brings thereof is very weak. M. Spanheim fays, his Dibrings thereof is very weak. M. Spanishing fays, his Di-fring is only founded on vain Conjectures, none of which

deserve Notice.

The Learned are greatly divided as to the Month and Day whereon the Tribusician Power commenced: Signific and whereon the Yerbanicass Power commenced: algorithm and Petersing will have it begin on the rift of Jenusary: Others, as 'Pericanina', on the 4th of the Calends of July: M. Zeinard on the 4th of the Ideo of December 1 Outpirins', Cardinal Novis, F. Pegi, &c. on the Day of the Emperor's Accession to the Empire; with this Difference, that F. Pegi takes it to be on the 4th of the Calends of the Month wherein the Prince was proclaim'd; and that this Day was, for this
Reafon, held facted among the Romans.

F. Hardonin thinks, that on Medals the Tribunician Power

\*\* Harrouse thanks, that on Medals the Tribusician Power commences on the Amsiverlay of the Building of Rosses, etc., the 11th of the Calends of May; excepting on the Greek Medals, where it begins in Splemoler, in regard this Month, which began the Greek Year, was near the Time when the Tribusician Power was first conferred.

Of all their Seminous the medal medals.

when the Priminities Power was first conterf.
Of all the Sentiments the most probable is that of
Onaphrins, See, Setting adde the Restriction of F. Pagi.
See M. Snowleim, Differt. XII. Tom, II. p. 419.
TRIBUNUS Millium or Milliars, or Milliary TanBurne, an Officer in the Reman Army who commanded in
chief over a Body of Forces, particularly a Legion 3 much

the fame with our Colonel, or the French Mefire de Camp.

See LEGION. There is forme Diffinction of the Tribunes, into Laticlevi, and Anguliclesis: Those born of noble Families were allowed, after they were made Tribunes of a Legion, to take the Laticlavis. See Layre Laves.

The rest were only to wear the Angusticlasous; whence Suctomius takes Care to inform us, that his Father was Tri-

Summs Laticleout of the 14th Legion.

Over these Tributes of Legions and Cohorts, these were other Tributes who commanded in the Absence of the Con-

oner a reasses who commanded in the Ablence of the Con-ishs, and who were invefted with a Confidant Authority.— Budent will have these to be much the fame as the Marthals of France, or at leath, Lieutenants General. Rounded likewise etablished a Tribume of the Cavity, Tribumes Equitons, who was the fame with the Magister Equition under the Dicharons, the first Officer after the Kings.

The Tribunes of the Soldiery, were of an elder flanding than those of the People; those latter being elected out

of the former.

Varra will have it, they were call'd Tribunes, because, at

first, they were only three in Number in each Legion, when the Legion conflited of three thousand Men, taken out of the three Tribes then on Foot.

In Proportion as the Legion was increas'd, the Number Tribunes was likewife increas'd to the Number of fix. At first, the Election lay in the General of the Army; but in the Year of Rowe 331, it was appointed, that the People floudd inominare one Part, and the General another: The latter were call'd Rafall, from Reillian Rafas, who patfol the Law.

publish the Law.

The decided was the Propie in the Comitia, were call'd.

The decided was real indifferently inthe Principaes of the beams, and had the fane Marks of Honour we the Conflict themselves. — The Trilmon of the Propinsal Colorius was done.

The Trilmon was also apply de to various other Chinery as the Critical Propinsal Colorius, the Conflict was also apply de to various other Chinery as the Critical Propinsal Principal Colorius, the Officer who commanded except the Colorius, the Officer who commanded received the Colorius of the Colorius, the Colorius of other Divertion

The Title Tribune was also given to the chief of a Tribe. See TRIPE

TRIBUTE, Tainurum, a Duty or Tax which one Prince or State is oblig'd to puy to another, as a Token of Dependance; or in Virtue of a Treaty, and as a Purchase Peace. The Ramans made all the Nations they fubdu'd pay them

ribute, ... Mahomes laid it down as a Fundamental of his Law, that all the World fhould pay him Tribute. In the States of the Grand Signior, Christian Children are taken in Way of Tribute, to make Janisaries. See Jani-

SARY. TRINUTE is formetimes also us'd for a personal Contribution, which Princes lovy on their Subjects by Way of Capitation or Pell. Moore. Sec Tax.

In this is differs from an Impost, which is properly what is laid on Metchandizes. Sec Ingress.

TRIBUTARY, one who pays Tribute to another, in order to live in Peace with him, or share in his Protection. See

to live in Tailburg.

The Republic of Regulge is Tributary to the Grand Turk 3 for is the Chain of Little Tistery, \$56.

TRICEPS, in Austony, a Muscle of the Thigh, having three Originations, and as many Infertions a and which may therefore, be conveniently divided into three Muscles, at the Tailburge Chain and the Chain a arifing from the Os Pubis, and inferred into the Linea Afpera of the Thigh Bone, whereof they possess the greatest Part.

of the ringh 1000s, wherever they points are greated pair.

They ferre as Adductores, and draw the Thighs together.

TRICUSPIDES, in Anatomy, an Epithet given to three
Valves, finate at the Entrance of the Vena Cava into the
Heart. See Varvy.

They open from without inwards, so as to let the Blood of the Cava pass into the Heart, but prevent its Reflux into the Cava. See HEART.

They are thus call'd, from their Figure, which is triangu-lar: Some fancy them to be of the Figure of three Tongues;

Jarr Some facey them to be of the Figure of three Tongoes and call these Typestories, an Advantose to Mysters, the college of the Advantose and the Handoof that God, in form of a Facet with the Pattern and Poes part in the Handoof that God, in form of a Facet with the Verberg. The Foot fell tell as, that Nytone makes the Earth Cyron, whenever he fairling in with his Typestories of the Company Syllable, which helps to make up the next Foot ; as in this

### Ille latus niveum melli fultus Hyacintbo.

TRIENNIAL, an Epithet applied chiefly to Offices or Employments, which laft for three Years, Thus we fay, a Trienaid Government: Most regular Monatteries have Trienaid Superiors; they cleft new ones at the End of each three Years.

Annalises have Jerminol Superiors; 1889 (Sell into cions at In 1695, in All was made for Frienderd Perlaneurs; 16.— for Partineous which floud it de diffuted, and the Mondere Into the Comparison of the Comparison of the Comparison as long as the placed. — In vite yeard a Boor in Corruption, The Friender All has, from Sone chief Viron, been from Repeated : The gent Supplies ultimate the Viron, the Comparison of the Comparison of the Comparison of the Comparison of the Percentage of the Comparison of the Comparison of the Things; 1° A Copper Monop, of the Value of one Third Things; 1° A Copper Monop, of the Value of one Third the cooling of the Comparison of the Value of one Third Things; 1° A Copper Monop, of the Value of one Third the code, a Waster Salt. This was the Proc of Monopy did not be up in the Mondrate of the Decound, no pay Gerow his

2° The Triens was also a drinking Cup; and that which was ordinarily used. — It was a fourth Part of the Septary. SEPTABL

TRIFOLIUM or Tarroll, any three leaf'd Grafs: Thue which is most used in Medicine, is the Trifolium Aquaticum or Buck Bean, which is very detergent, and used with Suc-cess in Scorbutte, Rheumatic and Scrophulour Habits. The

ccki in Scorbatic, R. Beumatic and Scrophulous Habits. The way of using it is generally to make a parety litrong lindsion of the dryd Herb, in form of Tea. TRIGA, in Antiquity, a kind of Car, or Chariot with three Horfts. See Co.Na, Ef. The Triga, in reality, was only drawn by two Horfes; in that it was properly a Bigs; but it had, betickes, a third Brofe feature the cheeks, like a led Horfe, for Change. See Bigs. A.

tied to the others, like a led Hoffe, tor Change. See Broat, Statist calls the third Horfe Epuns finality is Hejerbius, waving and Dismyfinst Halicarnaffers, equally we don't find the Frigar on any ancient Monument; bur it was a long time in ule among the Romant, at their Lud Circardes.—The Greeks, who first introduced it, from abundance of the Company of the Comp

don'd it

TRIGAMY, a third Marriage; or the State of a Person who has been married three Times. See Marriage. In the ancient Church, Trigamy was only allowed to fach as had no Children by their former Marriages.

as had so Children by their former Marriages. If, having Children by one or both the former, they married again, after an Years of Age, they were evoluted from Communion far few Years.— If they were only fury Years old, the Penance was but four Years. See Bio away TRIGLYPHS, in Architecture, a format Community repeated are equal latervals in the Parie Forms. See Faller, See.

They confift of two entire Gutters or Channels, cut to a right Angle, call'd Glyphos, and feparated by two Interflices, call'd, by Virtuenias, Shawks, from two Haif Channels at the Sides. See GLYPHES.

The rediction properties of Virtueties is to be a Module

the Sides. See CLYPTIES.

The ordinary Propertion of Trighther, is to be a Module broad, and one and a Half high. — But this Proportion, M. is Clere observes, foractions coefficient ill-propertion'd Intercolumnations in Portico's; for which Residue he chuffs to be a support of the chuffs to be a support o accommodate the Proportion of his Trigly plis to that of the recolumns. See INTERCOLUMNATION.

The Intervals between the Triglyphs, are called Meropes.

See METOPES. Under the Channels, or Glyphes, are placed Gutte or Drops,

The Triglyphs make the most distinguishing Character of the Davie Order, ... Some imagine them originally intended to convey the Gutte that are underneath them: Others funcy

they bear fome Refemblance to a Lyre, and thence conjecture they bear some Reterminance to a Lyre, and thence conjecture the Order to have been originally invented for some Temple sacred to Apollo. See Donio.

The Word is found from the Greek physicape, three Engavings, from yabia, Stulps.

TRIGON, Taleows, in Geometry, a Triangle. See TRIGON, Taleows, in Geometry, a Triangle.

TRIANGLE. TRIANGE.
The Word is form'd from the Greek 24740. Triangle.
TRIGON, in Affredgy, is an Affect of two Planes,
wherein they are 120 Degrees diffast from each other;
called alfo Trins. See TRINS.
The Trigons of Mars and Saturn, are held Malefie Affects.

See Aspacer.
TRICON, TRICONON, in Mufic, is a Musical Inflrument,

used among the Ancients. The Trigon was a kind of triangular Lyre, invented by your. See Lyre.

ISOSCHE, SEE LYRE.

TRIGONOMETRY, the Art of finding the Dimentions of the Parts of a Triangle unknown, from other Parts hown:

Or, the Art wheeby, from any three Parts of a Triangle given, all the reft are found. See Talangle.

Thus, a few from the Parts of Balangle.

Or, the after wheeely, from any three term of a Triangle.

Thus, e.g., from two Sides AB and AC and an Angel, we find by Trigonomerry, the other Angels B and C with the third Side BL. Many Trigonomerry Bear and the Side BL. Martin Side Bl grels in mist Mathematicks; but will often be gravell'd, even in Natural Philosophy, particularly in accounting for the Phenomena of the Rain-bow, and other Metours.

Trigonometry, or the Solution of Triangles, is founded on that mutual Proportion which is between the Sides and

on that mutual! Proportion which is between the Sides and Angles of a Triangle's which Proportion is known, by find-ing the Proportion which the Radius of a Circle has to cer-tain other Lines, coll'd Chevris, Sinest, Tangenets and Seconts. See Rantus, Chorn, Sine, Tangenet and Seconts. This Proportion of the Sines and Tangenes to their Radius,

This Proportion of the Sines and Tangents to their Radius, is fomerimes expressed in common or natural Numbers, which conditions what we call the Tables of natural Sines, Yangeuri, 25c.— Sometimes it is expressed in Logarithms, and in that Case, constitutes the Tables of artificial Sines, &c. Sec. TALLES.

Laily, fonetimes the Proportion is not expressed in Numbers; but the feveral Sines, Tangents, &c. are actually laid down upon Lines or Scales; whence the Line of Sines, Tangents, &c. Sec Lines and South.

Trigonamerry is divided into Plain and Spherical: The first confidering rectilinear Triangles; and the second, Spheri-

find confidence of the confidence of the Specime 1 like claims. The High is of shown and continual Use in Navingston, Menturing, Surveying and other Operations of Geometric Confidence of the C

Plain TRIGONOMETRY, is an Art whereby, from three given Parts of a Plain Triangle, we find the reft.

The great Principle of Plain Trigonometry, is, that in enerty plain Triangle, the Steis are, as the Sines of the opposite Angles.—See this Principle applied to the Solution of the feveral Cafes of Plain Triangles, under the Article Tai-

ANDES.
Spherical Transpondermy; is the Art whereby, from three given Parts of a fpherical Triangle, we find the reft. E. gr. whereby from two Sides and one Angle, we find the two other Angles, and the third Side. See Spherical Trigonometry, as reformed by Maldon are follow: Wolfas, are as follow :

Walisis, are as follow:

To Laccery rettinguied fibrical Triangle, ABC, retlarguier

at G, the whole Sim is to the Sime of the Hybrokenich, BC,
Tak Trigomom Fig. 32, as the Sime of the Sime of one cause
Angles, at G, is to the Sime of the Lig. of piffic Lig. AC,
when so the Angle B, to the Sim of the fig. BC,
whence we deduce, that the Rechangle of the whole Sime into whether we deduce, that the Rectangle of the whole Sine into the Sine of one Leg, is equal to the Rectangle of the Sine of the Angle opposite thereto, into the Sine of the Hypothesuse, 2 in weary right angles (pherical Viringle AP E., Fg. 31, women of whole Sides is a Stanford : if the Complements of the Local AR and AC on Charlesons 1.

Legs AB and AC to a Quadrant, be confider a st the Legs themselves; the Reliangle of the vehicle Sine into the Cosine of the middle Part, is equal to the Reliangle of the Sines of the

disjunct or separate Paris Hence, 10. If the Sines be artificial, that is, the Logarithms

Here,  $r^0$ . If the Sines be artificial, that is, the Logarithms of the natural coars, the whole Sine, with the Co-free of the results of the natural coars, the whole Sine, with the Co-free of the whole Sine is to the Hyperhead BC, as the Sine of the Angle B or C to the Sine of the capyonine Lee,  $\Lambda$  C or  $\Lambda$  B; if the Angle B or C to the Sine of the capyonine Lee,  $\Lambda$  C or  $\Lambda$  B; if the Point Coulomb Computer Conference of the Sine of the Conference of the This, Wolfins calls Regula Simum Catholica, or the first Part of the Catholic Rule of Trigonometry; by means where-Part of the Catholic Rule of Trigonomerry; by means where-of all the Problems of either Trigonomerry are folyed, when the thing is effected by Sines alone, ... My Lord Neper had the first Thought of fach a Rule: But he uted the Comple-ments of the Hypothemist B C (Fig. 22.) and the Angles B and C for the Hypothemist, and Angles themslevs; So that the Theore of his Catholic Rule of Sines is this:

B and C for the "Hypothemic, and Angles thembreves So that The Throne of its challes R and So into it than 1 and the Throne of the disjusted, or, as he calls them, opposite French, but in this that thereof between Finni and sphere.

3° he refulnished Bherted Timeske 28° C feet 5 to be set of sophish falls in a settlement of the Angle So and the Southern of the Angle C feet 5 to be set of sophish falls in a settlement of the Angle C feet 5 to the Tangent of the Angle C feet 1 and 1

Hence, 1°, If the Sines and Tangents be Artificial; the whole Sine, with the Co-fine of the middle Part, is equal to whole Sun, with the Co-fine of the middle Part, is equal to the Co-impgents of the contriguous Parts, a "Sinner in a reful-linear, right-singled Triangle, we safe the Tangenst, when from the Leps AB and AC (Fig. 3.4) given, the Angle Co is to be found; and in that Colle the whole Sine is to the Co-tingent of C. Le, to the Tangent of B, as AB to AC 3, therefore, 40%, in a refullinear Triangle, if for the Sines and Tangents of the Sides be abeat the Siven stemiliers; the whole Sine, with the Co-fine of the middle Part, i.e. with A C, is equal to the Co-tangent of the conjunct Parts, i. e. to the Co-tangent of C, or Tangent of B and the Side

This, Wolfass calls Regula Tangentium Cathelica, and conflitutes the other Part of the Catholic Rule of Frigonometry; whereby all Problems in each Trigonometry, where Tangens are required, are follows.

are required, are followd.

My Lord Nepr's Rule to the like Effect, is thus: —That
the whole Sine, with the Sine of the middle Part, is equal
to the Tangenes of the continguous Parts.
Tis, therefore, a Cotholic Rule, which holds in all Trigo-

numetry ; that in a reltangled Triangle, (notatis notanits, i. e. [Rrr]

the Complements of the Legs A B and A C, being con as Legs themselves, and in rectilinear Triangles, the Sides them-felves being taken for the Sines and Tangents of the Sides) terest toning taken for the Sines and Tangens of the Sides)
The reduce Sine with the Coffine of the none or middle Part is
openal to the Sines of the signal or Igeness Parts, and the
Co-sangent of the conjunct or again, and the
For an Higheston and Afficients of this Rule, in the
Sistens of the various Coffin of Igherical Triangets, for
TRIANGES.

TRIHING or TRICHING, from the Sazen, Tribinga, an Extent containing three or four Hundreds, or the third Part of a Shire or Province. See TITHING.
The Word is also used for a Court held within that Circuit, which was the same with what we now call a Court-Lest, which is above a Court Baron, and inferior to the County Court. See

is above a Court Birnes, and inferior to art Courty Court. Sec. (2012). LIMB Sec. (2

is to find her Trim.

TRIMAGRIUS, Tymenger, in the ancient Profiedy, a Foot in Verif., confilling of their long Syllabin. See Febr. 19.

Which is Explained Searce called the Month of May, because they milted riner Cartle there times a Day in that Month. TRIMMERS, in Architecture, Pecce of Timber, framed at right Angles to the Joins, against the Way, see Calmeny and Well holds for Soirs. Tree Month Dimension includes and Well holds for Soirs. Tree May Dimension includes

TRINE Dimension, or Three-fuld Dimension, includes ringth, Breadth and Thickness. See DIMENSION. Length, Breadth and Thicknets. See 1719, 8 and on.
The Trime Dimension is peculiar to Bodies or Solids. See

Bony, U.S.

Tainz. in Affriday, is the Affect or Situation of one Star
with regard to another, when they are diffiant 120 Degrees,
as the Arch AB (Tibs Affronomy, Fig. 2.) which is a
Third of a Circle, and its fabtenfe AB, a Side of an equilateral Triangle AB inferibed in the Sphere. See Aspracr.
It is also called Trizon, and fignified by the Claracter A.

See TRICON.

See Tai soon.

If Achierhee, Name common to fewel
TRING Glasses of Chemotan is Reglest, Liftidis and
File-binds. See Restary, Lurray, See.
The Words is Proceed, where it figuines due time things.
The Words is Proceed, where it figuines due time things.
The Words is Proceed, where it figuines due time things with the proceeding of the Chemotan in the Architecture is from whose changed over 12 center of Proceedings of Sec.
See Taitury and Gerry 12.

See Taitury and Gerry 12.

Hereick, who have Sentiment on the Mylery of the Truity (century so this of the Chemotan Chemotan in the Chemot

Sometimes it is more immediately refirsin'd to fome one or other particular Clafs of Hereticks: Thus the Trinitarians are frequently confounded with the Unitarians. See UNITA-

The resignancy commonst on a common control of the 
Chriffinn held in Silvery in the Republicks of Algory, Zimi, and Tripley, and the Series of Allores.— They have a Rule and Tripley, and the Series of Allores.— They have a Rule among the Oblevens of the Rule of St. Angelin. the most of the Christian of the Rule of St. Angelin.

The Order had in Rife in 1193, under the Positificate of Innexest III. The Founders were fights at Marks and Felix of Position The Proposed in the Reyal Dumity of the Faldrix, as from three tengols of the Reyal Dumity of the Faldrix, as from three for the position of the Reyal Dumity of the Faldrix, as from three for the position of the Reyal Dumity of the Faldrix, as from three for the position of the Reyal Dumity of the Faldrix, as from three for the position of the Reyal Dumity of the Faldrix, as from three for the position of the Reyal Dumity of the Faldrix, as from three for the position of the Reyal Dumity of the Faldrix, as from the Reyal Dumity of the Position of the Reyal Dumity of the Reyal Dumity of the Position of the Reyal Dumity of the Country Valois

Control of Charillon was the first who gave them a Place Gambler of the whole Order: Heavis III. confirm their the Chief of the whole Order: Heavis III. confirm't their Rule. Urban IV. appointed the Bishop of Paris and others,

to reform them: they did it; and the Reform was approved in 1163, by Clement IV.

This Order poffelfs about 150 Convents, divided into Thirecen Provinces; whereof fix are in France, three in Spisin, one in India, and on in Farmers, — Formerly, there was one in England, another in Southmel, and a third in

In the general Chapters held in 1573 and 1576, a Reform was order d, and begun fome time afterwards by Julian & Nastwellide, and Cleude Aleph, two Hermits of St. Method, but now permitted by Pope Gregory to take the Habit of the

Trinity; u on which their Hermitage was converted into a

Houte or the Orese.

In 1609, Pope Paul allow'd them to build new Houfes, and to introduce the Reform into the old Ore. In 1613 Urbea VIII. by a Brief, appointed the Cardinal de Rochrigaceult to introduce the Reform into all the Houfes of the Cardinal de Reform into all the Houfes of the Cardinal de Reform into all the Houfes of the Cardinal de Reform into all the Houfes of the Cardinal de Reform into all the Houfes of the Cardinal de Reform into all the Houfes of the Cardinal de Reform into all the Houfes of the Cardinal de Reform into all the Houfes of the Cardinal de Reform into all the Houfes of the Cardinal de Reform into all the Houfes of the Cardinal de Reform into all the Houfes of the Cardinal de Reform into the eauli to introduce the Recorm into all the ributes of cuo Order, which was done accordingly, by 8 Sentence contain-ing the Reform in Eight Articles, the Principal whereof were. That they should obferve the primitive Rule approved of by General IV. (floud abitain from Fieth, are woolier Shirty, Malathy, and the property of the principal where was also by Gennert IV. Incode aptrain from Flein, ute woolien omite, have Marins at Midnight, Ec. In 1554, there was also a Reform made among those of Perrugal.

The Habit of the Traintainst is different in different Countries; and that of the Reform different from the

Bare-for Trinitarians, are a Reform of this Order, made in Spain at a general Chapter, held in 1594, where it was refolved, That each Province should establish two or three Houses, where the primitive Rule should be observed, and where the Religious should live up to a greater Austerity, use coarier Cloathe, Sis. and yet should have the Liberty of returning to their ancient Convents when they thought fit.

returning to their socient Convents when they rhought fit. Down. Abours Ending, introding no found a Monaflery at Videstripants, and defining to have it held by here foor Religi-ous it was asgreed no ded Notify of Feet to the Religing, that the Frintarious might have the Benefit of that Edibblin-ment. The Reform attreawed give into three Provinces, and was at length introduced into Palans and Ruffig, and

and wis at length introduced into Paland and Ruffa, and thence into Germany and Indy.

There are also have-found Trinitations in France, effa-bilit d by F. Frons Halites, who being fent to Rome to fol-licit the first Reform mentioned above; not consent therewish, the carried it further, and obtained a Fernsition of Pope Gergeory, to add a curie Habit, and Nucley of Feet thereto, the begin with the Canter of St. Denis at Rome, and those He begin with the Canter of St. Denis at Rome, and those of Air in Provence.

In 1670 there were Houles enough of this Reform to make a Province; and accordingly they held their first general

make à Frennice y and accordingly new held there art agencies. Chapter the fixer Ger. See Favoyist. Order, fabbilith? in Spinit by St. Glob et Alazie hundfil, who built them a Corrent in 120.1—Those who first took the Hubit were only Oblari, and made no Yours 3 but in 120.1 the Monather you so fill of white Hel Religious, and other the Drettlein of the Infante Confundia. Doughter of 'Peter II. King of Artigon, only was the Talk Religious, and the fairth Superior of the shown the first Religious, and the fairth Superior of the shown the first Religious, and the fairth Superior of the shown the first Religious, and the fairth Superior of the shown the first Religious, and the fairth Superior of the shown the first Religious, and the fairth Superior of the shown the first Religious, and the fairth Superior of the shown the first Religious, and the first Superior of the shown the first Religious, and the first Superior of the shown the first Religious, and the sixth Superior of the shown the first Religious, and the sixth Superior of the shown the first Religious, and the sixth Superior of the shown that the shown the shown the shown the shown the sixth Religious, and the sixth Superior of the shown that the shown the shown the shown the shown that the shown that the shown that the shown the show There are also Bare foot Nuns of this Order, effablish'd

There are also Barr-Joa Numi of this Order, ellabilithed at Mastria shout the Year 16.13, by Fromes & Rennero, Daughter of Julian & Romero, Licusciana-Georari in Sysmija Army. Her Delign being to found a Monasirry of Barr-Joa Stypinier, the affembied a Number of Marids of the East, looking them, for the Time, in a House belonging to the blocality of Barr-Joa Trinisarioni in the Neighbourhood.

Neighbourhood.
Here, attending at the Charch of Book Fathers, and believe, attending at the Charch of Book Fathers, and lethere, attending the Remotedge of that Father, and
the Services held dream, must demand of their Director
than the beauting Agongium, and demand of their Director
Book of the Charch of the Charch of their Director
Book of the Charch of the Charch of their owner
Book to Charch opposite white Delay, and reluning on also
then under its justification, they added the demander in
the Book of the Charch of the Charch
time to the Robert of the Charch
time to the Robert of the Charch
and the Charch of the Charch
and the Charch
Traintening the Robert of Traintening. See
Thus Deform.

Laftly, the

THEND'T, TRINITA, TRIAR, TRIAR, In Theology, the ineffide Mythey of nine Perions in one God, Frainer, TRINITY, TRINITY, TRIAR, T

flance,
Theology teaches, that there is in God one Effence, two
Proceffions, three Perfons, four Relations, five Notions, and
the

the Circomiscellion, which the Greek call Paricheroft. Of cash where of see that entire a listic cash where of see that entire a listic. The cash was the infanite, Formal, Spirmard, which for inc. Nature, which knows all Things, which is every where, Almaighty, and I Chings, which is every where, Almaighty, and In this God there are two 'Proplint,' or Emnantion, six that of the Sos, and that of the Holy Spirit: The first is call Generation, and the Geood Agreenom. See

GENERATION, &

net is calle desertions, and the lecond agreement. See The Som proceeds from the Dather by way of Know-ledge, for God in knowing himself eternally, needlarly and infinitely, produces a Term, and Reg. a Notine we which is called his Hire, his Mos, who is equal to him is all Things, erroral, patients, and needlary as his Wahet-Things, erroral, patients, and continy as his Wahet-Regard to the Father as his Principle : And in thus refrech-ing each other ceremily, securitarily, an infinitely, they love each where, and produce as ACI of their mental Lover from the Father and the Sub years of Spectrum, Loves, and Impallion; who is also equal in every Things to the Father and Company of the 
ration, and the paffive.

The Paternity is a Relation founded in what the School Divines call the notional Understanding; in which the Fa-ther stands related to the second Person, the Son. — The Filiation is the Relation wherein the second Person, wis, the

Filiation is the Retailor wherein the Stone Centre to he Father.

The active Spiration, is the Relation founded in the notional Act of the Will, whereby the first and second Periose regard or refer to the third: The passive Spiration or Proceeding, taken in its strict Scale, is the Relation whereby the third Person regards, and is referr'd to the first and second.

— Hence it appears, that there are in God four Relations, as we have already faid 4 and five Notions, as we shall shew hereafter.

Perfou is defin'd an individual, reasonable, or intellectual Substance; or, an intellectual and incommunicable Substance.

See PERSON.

Subfiners o, n. ni methekula used incommunicable shelliner. See I Easton. See I Easton

attributed to the Hely Spirit, as being the Lerim of the Will to which Goodne's belongs. Some Divines give other Reafons of fuch Kind of Attri-butions and Appropriations, evs. that it is to flare off those Imperfections from the divine Persons which are found in the Creatures : For created Fathers are weak, drooping, and the Creatures 1 For created Fathers are weak, drooping, and impotent; wherefore to ward off this Imperfection from the third Perfor, he is peculiarly faid to be Aburiphy. Again, created Sons are finally imprudent; wherefore to remove this Imperfection from the focond Perfor, he is faid

remote tail Imperfection from the forced Perfo, he is faid, be suife, or termal Briffour.

Lattly, great Munis or Spirits, among created Briggs, are frequently settled, where the property of 
opirit, by way of Will.

Here it is to be oblere'd, that the Hely Spirit is not thus
call'd from his Spirituality, that being common and effential
to all three Perious y but from the passive Spiration, which
is peculiar to him alone.

Add, that when one Perfin in the Holy Trimity is salled for, another friend, and another third, it must not be uniquely to the property of the

Texturiny.—That aboutely the Son is changed that from the
text on the driver Perron, is Illitrius.

Affire Spiration dillingualize the Taster and its Geo
Affire Spiration dillingualize the Taster and its Geo
Affire Spiration dillingualize the Caster and the Caster

The Controlledge or Perchaerite, is the intrause Intime the Help Spirat is dillingualized from the Father and Son

The Controlledge or Perchaerite, is the intrause Inin each other. For the they be really dilline, by care which

Confidential and whence it is that Jefac Cariff thys in St.

Per Father in an It Illine, by Affire Cariff thys in St.

Per Father in the Illine, by Affire Cariff thys in St.

Perform, are medity on the Cremming Notice of a

Triminy.— Metal. Engels. if Perron, Philip this is easy, a

Cherry, that there is nothing in all Trimings. Whence

Affire Cariff the Carifford of the Carifford St.

Mythery of the Triming. The Cladente, Helmer, Philip

Carifford of the Triming Triming and Among the Sixtygg of the Mediy, the Defordment of Carifford, while in one, Hermi Cyclade with the Atlanta Manda.

See Assats.

The Language Carifford of the Atlanta Manda.

See Assats.

The Carifford of the Atlanta Manda.

See Assats.

The Ægyptions call'd their Trinity Hemphis, and repre-fented it by a Globe, a Serpent, and a Wing dispord into one Hieroglyphic Symbol. — Kircher, Gale, Sc. suppose the Ægyptions learns their Doctrine of the Trinity from

one Microglyshie Symbol. — Körrler, Gale, gir., fuspole Syde Bellewen. — Direct of the Virilly from Reflect and the Microglyshie Company, fays St., Gyrd, ewell direct Hypotheta The Falladophers, fays St., Gyrd, ewell direct Hypotheta Perfors, and cert, for forestone, and the Term Triat, Triat, Try unsteel nothing her to admit the Combiditation of the Company of th

FRATERNITY.
In order to this, they had a House wherein they enter-

but poor People who were on the Recovery, and who being turn'd too haftily out of the Hospitals, were exposed to Relapfes.

Recaptes,

It was first set on Foot in the Church of S. Sevisor in

Campo 3 and consisted only of fifteen poor Persons, who met
in that Church the first Sunday of each Month, to practise

in that Church the first Sanday of each Month, to prachite the Exercise of Fivery periorbid by the Founders, and to Interest the Exercise of Fivery periorbid by the Founders, and to Interest the Sandard San to be of it.

Congregation of the Holy TRINITY, is a Congregation of twelve Priefts eliablish'd in the Holpital of the Fraternity just mention'd, to take Care of Prigrims and others entertain'd therein.

tain'd therein.

The frequent Change of Priefts in the Hospital occasioning a deal of Diversity in the Spiritual Cooduct and Infredition of the Pilgrims, to reader it more uniform, the
Guardians and Administrators established a Congregation of

twelve Pricits, who lodge in a Quatter of the Hospital, as in a Monattery, and live there in Community,

in a Monattery, and live there in Community,
Order of the Hely TRINITY. See TRINITARIAN

Transvey Sunsay, is the next Sunsay after Whitfun-fine-fac-ty thus calld, because on that Day was anciently held a Feltival, (as it still consinues to be in the Romiff Church) in Honour of the Holy Trinity.

The Observation of this Feltival was first enjoin'd by the

Council of Arles in 1260.

TRINITY House, is a kind of College at Deptsord, belonging to a Corporation of Sea-lating Perfons, who have Power, by the King's Charter, to take Cognizance of fuch as defirny Sea-Marks, to correct the Paults of Sallors, Geand to take Care of feveral other Things belonging to Navigation and the Seas, the Examination of young Officers,

general and the second of the were not abfoly'd but by paying a Fine thrice nine Times. See Gern

See Grace.

TRINODIA Neofflata. In our medicar Cuilonn, were Experient y Thoriti. S. Ant. Reportable, going to the Wars.

Tribed were the three Exceptions analogist Justiced in the Kingd. Genus of Londe to the Charth, after the World that The Company of the Com

three Parts.

of three Fares.

This are the finest Kind of Composition; and these and Recitative's are what please most in Concerns.

TRUCCTILE, in Astrology, an Aspect or Streation of two Planes with regard to the Earth, when they are thing to Colvers, everylar Planes of as Check claims from each other.

This Aspect, which some call the Softmanistims, is one of the new Aspects super-added to the ted ones by Kepfer.

TRIONES, in Aftronomy, pies agertuse, q. d. plough-s Oxen a Sort of Confedition or Affemblage of feven ing Oxen, a Sort of Constellation or Assemblage of seven Stars in Ursa Minor, popularly call'd Charles's Wane. See

Unan minor.

From the Septem Trient the North Pole takes the Deno-From the Septem Trient the North Pole takes the Deno-From the Septem Trient Could be the Septem Trient Could be the Septem to the Se

the third Part of any Amanost of Arrivan and Divisions.

Hence Triparties, Triparties, fomething divided into three Parts, or made by three Parties: an Indenture Triparties, tite, 55c. See Innervent.

re, Sec. Occ INDENTURE.
TRIPLE, Three fold, Radio. See RATIO.
TRIPLE, in Mulic, is one of the Species of Measure or ime. See Time.

Time. See Time.

Triphe Time confilts of many different Species; whereof
there are in general four, each of which has its Varieties.—

The common Name of Triple is taken hence, that the
whole or half Measure is divisible into three equal Parts, and beat accordingly.

and heat accordingly.

The first Species is call'd the fingle Triple, whosh Mea-ine is equal either in three Simberers, to three Minims, which is considered to the control of the control of the which are mark the shop of e.g. b, g. ty, to the lath its one much sale, except in Church Madie.

In all theft, the Minime is elivated into drive equal Parts in all theft, the Minime is elivated into drive equal Parts in all theft, the Minime is elivated into drive equal of Them, whereof two are best down, and the third on "Them, whereof two are best down, and the third on "The frond Species in the price Typle, Is Mediane" is equal to the Costchet, or fix Quaven, or the Semiguarer, and the Cost of the Cost of the Cost of the cost of the down we'd. We man the cost of the cost of the cost of the down we'd.

dom us'd

Some Authors add other two, viz. fix Semibreves, and fix Minims, mark'd for 5 but thefe are not in Ufe.

The Measure here is nfually divided into two equal Parts or Times, whereof one is bear down, and one up; but it may also be divided into fix Times, whereof the first two are beat down, and the third up; then the oext two down, and the last up; i. e. each half of the Measure is beat like the fimple Triple, (on which Account it may be call'd the Com-found Triple); and because it may be thus divided either into two or fix Times, (i.e. two Triples) 'tis call'd mix'd, and by some the Measure of fix Times.

The third Species is the Compound Triple, confliting of nine Crotchets, or Quavers, or Semiquavers, mark d 2, 2, 2, 2, 2, 2, the first and last are little us'd 3 some also add 2, 2, which are never as'd.

This Measure is divided either into three equal Parts of Times, whereof two are best down, and one up; or each third Part may be divided into three Times, and best like the fimple Triple; on which Account it is call'd the Measures

the latter The Measure, here, may be divided into two Times, and beat one down, and one up; or each half may be divided, and beat as the fecond Species, either by two or three; in

and beat as the lecond Species, either by two or three; in which Cafe it will make in all uewler Timets, and hence is call'd the Manflare of wadve Times.

The French and Intellar advances make a great many more Species and Divisions of Triple I lime, unknown, or, at least, unregarded by our Englis Middisans, and threefore nor for necellary to be dwell upon here.

TRIPLICATE Ratin, is the Ratio which Cobes bear to TRIPLICATE Ratin.

each other. See Cube.
This Ratio is to be diffinguish'd from Triple Ratio, and

any the answer of the control of the

Abings.

Triplicity is only or'd with regard to the Signs; and Trine, on the contrary, with regard to the Planets.— The Signs of Triplicity are those which are of the fine Nature, and not those which are in Trine-Afpect.— Thes Lee, Settlerry, and Afric are Signs of Triplicity, because those whose was the settler of the

gistery, and first are Signs of Triplicity, because those Signs are all spoyed direy. See Sion.
TRIPLOIDES, of the Greek, reprody, a Surgeon's Instrument, with a three-fold Balis, will be the relineing general transaction of the second state of the services of TRIPLOID or Trairon, in Antiquety, a famile forced Seat or Socol, imported by there Irea, wheren the Pricht and Spikils were plac! do render Oncies. See Onacce.
The Train or the Triple that the Godt insight diesen with Trains on the Triple that the Godt insight diesen with the training of the Productions. See Exercises.

M. Spanbeim observes, that on Roman Medals, the Tripos expersion from Priesthood, or sheerderal Dignity. — A Tri-post with a Crow and a Dolphin, is the Symbol of the Duom-viri, deputed for the keeping of the Sybillin Oracles, and for confulting them on Occasion. TRIPODIUM. -- In the Laws of Hon, I. occurs this Paf-

TREPODIUM.—In the Laws of Mn. I. cocus this Pair, E.g.—In quisa were songle righteen indean belower, force properties of the properties of the properties of the properties that as for a fmall Offence, or far a trivial Carle, the Com-position was revery shillings, is for a great Offence, which was no be partly 17 pilot ided, the Composition was three was no be partly 17 pilot ided, the Composition was three TRIPOLI, or TAYLOUX, CARL 4180 Menne, a kind of Chall, or white first Stone, beoderings a little on red, and in pulling the Largharte, Gold-Intellia, Copperfiniths, and

Glass-grinders Works. See GLASS, GRINDING, POLISH-

1800, Ge. Some imagine Tripoli to be a common Stone, barnt and calcin'd by the fulphareas Exhalations which happen to be under the Mines where it is found, Of thefe Mines there are a Number in divers Parts of Europe, particularly in Last, where the Tripoli is very good. — Others take it for a

TRIPPING is a Term in Heraldry. See Passant.

Tripping, in Heraldry, denotes the quick Motion of all
Sorts of Deer, and some other Creatures represented with

one Foot up, as it were on a Trot,
TRIPTHONGUE, in Grammar, an Affembiage or Concourfe of three Vowels in the fame Syllable, as use. See

SYLLABLE.

Quintiline, lib. L cap. 6, afferts, that there never was any
Syllable of three Vowels, but that one of them was always
turn'd

rurn'd into a Confecent: Scioppius afferts the contraty:— However this may be in the Latin and Greek, which were the only Languages Spinitine underflood; 2 the certain there are feveral Languages in Europe, wherein Trippingues are in Uffs. See Disputations.

are teretal Languages in Langue, wherein 1 processor.

TRIPTOTES, in Grammar, defective Nouns, which have only three Cafex, See Cass.

Such are the Words Tantundens, Tantondens, Tantidens,

and Sordis, Sordem, Sorde.

and Sordin, Sordin. Sordin.

The Work of the Composition of America, and disper Cag.

The Work of the Composition of America, a Galley with
three Renks of Ozer on a Solid. See Galley. Relight of the
Renks of Ozer on a Solid. See Galley. Relight of
TRIS Sording in Mulley, a Concess, of cheering call of
TRIS ACRAMINENTALES, TARRORAMINENTALES,
TRIS ACRAMINENTALES,
TRIS ACRAMINENTALES, TARRORAMINENTALES,
TRIS ACRAMINENTALES,
TRIS ACRAMINENTALE ion that they allow Ordination a Sacrament. See Onni-

TRISAGION, or TRISAGIUM, in Church Hiftory, a Hymn, wherein the Word boly is repeated three Times. See HYMN.

The proper Trifagion is those Words hely, hely, hely, Lord God of Host, which we read in Ifaiah vi. 3. and in the Apo-

callypic. Callypic. From these Words, the Church form'd another Trifagion, From which is rehears'd in Latin and Greek, in the respective Churches, to this Effect: Hely God, hely Fort, hely In-

Churches, to this Eliott: Iloty God, hely Fort, hely Immertal! I have Micro; upon unortal! I have Micro; upon using added, Thou each wash grantify if are, have Merco; upon us: Thus attributing the Pattion not to the Son alone, but to all the three Perfons of the Yrinity, and pronouncing Amathems to all fish as would

relation for the first one and the first health of the first of the control by the first on the first available the first on the first available for the first of 
under to the Blatphemies which the Hereticks of Conflat-tions to the against the Son. — Michipates, Codrinus, Dope Filix, Nicophemis, Rec. relate the fame Story, Perris Fullentify, Parliarch of Autited), and a zealous Par-tians of Niferius, endexword to corrupt the Hyme, by add-ing, who highest for m; beat in value It fall liabilities in a permittive Parliy, both in the Latin, Greek, Ethiopic, and

Medarabic Offices, See PATRIPASSIONS.

The Word is compounded of the Greek, todo, three, and By G. fanflut, holy.
TRISECTION, or Taissection, a dividing of a Thing

"IRISECTION, or Tansecrova, a dividing of a Thing inn there. See Drivinos, Sections, 6th de Drivinos of The Term is chiefly and in Geometry, for the Drivinos of The Term is chiefly and in Geometry, for the Drivinos of The Tripfillion of an Apple geometrically, is one of those gent Problems, whole Solution has been for much flooght by Michaematicilus for their two choised forces; joing, in all the Drivinos of the Control of the Tripfillion of the Drivinos of the Chapter, and proceed to have found our the Drivinosimston thereoff, but they have all committed Paralogifies. See

Asotis. Belister or Surance girm to that of the two Linear is of the two Linear is of thereine. Kings of Theles, in the case of the two Linear is of the two Linear is of the two Linear is the Linear is the Linear in the Linear in the Linear in the Linear is the Linear in the Linear

TRISOLYMPIONICES, among the Ancients, a Person who had thrice bore away the Prize at the Olympic Games.

Ste OLYMPIC.

The Trifolympionicst, or Trifolympionicks, had great Pri-vileges and Honours allow'd them.— Statues were credted to them, of the Kind call'd Iconics, which were modell'd to the Size and Porm of their Perlins. See Statur.

They were exempted from, all Charges and Incambrances, and could never be mark'd with Infamy.

The Word is composed of rose, steet, three, Osepams, Osympic Garnes, and seas, Vishory.

TRISOS, of the Greek red, a Convultion of the Mufcles of the Temples, causings the Teeth to goalth. See Con-

VULSION, Sc.
TRISPAST, TRISPASTON, in Mechanicks, a Machine
with three Pullies; or an Astemblage of three Pullies. See

PULLY,
The Triffaffon is a Species of Polyspasion, See Polys-The Word is compounded of vyes, three, and swan,

TRISTRIS, TRISTIS, and TRISTA; in out old Law-Books, is an Immunity, whereby a Man is excused from at-tending on the Lord of a Forest, when he is disposed to

tending on the Lord of a -forest, when he is difficed to class within the Forest's and is all not compelled to hold a Dog, follow the Chafe, nor fined at a Place appointed, which coherwise he might be under Pain of Americana. Moreon fam omitting, the Charding has been provided by Trilling, and committee Midwire white, London provided by Trilling, and another Midwire white, Lordon, London provided by Trilling, and TRISTLIABLE, or Taisayathana, and condition Midwire with it, 26, 1941.

TRITE, in Music, the third musical Chord. See CHORD

and Diagnam, the Chird marked Cook. See Mond and Diagnam, the Opinion of the Trithelift, or the Herefy of believing three Gold. See God and Taintity. Trithelifts conflift in admitting not only of three Perford in the Godhead; but of three Subfiance, three Effences or Hypothelie, and three Gold. See Parson, Hypothelie, and three Gold. See Parson, Hypothelies. 8

Several People out of Pear of giving into Trithifm have become Sabellians; and feveral others, to avoid Sabellianifm, have commenc'd Trithiffs; fo delicate and fubtle is the Me-

have commence of FIRMINGS TO GENERAL AND MODELS AND ADDRESS.

In the filmous Controverfy between Dr. Statib and Dr. Sheriked, the first is judged to have run into Sabellianism, by a zoo rigorous affering of the Unity of the Godhead, and the latter into Tritberfan, by a too abfoliate maintaining the

Tristy.

John the Grammarian, furnam'd Philippenns, Lover of Labour, is held the Author of the Sect of the Trisbuigs, under the Emperor Phoesis at healt in appears he was a real lous Advicate thereof.—Leonius and Georgius Phines wrote the second of the Advicate thereof.—Leonius and Georgius Phines wrote against him

TRITON, in Poetry, a Sea Demi-God, held by the An-cleuss to be an Officer or Trumpeter of Neptune, attending on him, and earrying his Orders and Commands from Sea to Sea. See God.

The Poets and Painters reprefent him as half Man, half Fifth, terminating in a Dolphin's Tall, and bearing in one Hand a Sea-shell, which served as a Trampet. Some of the Ancients make him the Son of Neptune, and

Some of the Arciera make him the Sound's Spranes, and the Nymph Schales's [Hold of Nijersen and Angightering Schamenian in his Book to Fightenhales, matters him the Son District Schamenian and the Sound Schamenian and Sound's District, yet the Fores have imagind devends, pitying forms of Finites, yet the Fores have imagind devends, pitying forms of Finites, yet the Fores have imagind devends, pitying forms of Finites, yet the Fores have imagind devends, pitying forms of Finites and Finites accordingly the year disquared on the success in Majorant's Reviews, but were also (Ingorado de orders his Cale-tria, e.e., the Son-field wherein he rade over the Waters, as a Modal of Calentia, "... 1995 Onli Menne I. 533, and on Madal of Calentia".

a Medal of Claudius

The Fable of the Tritous, no doubt, took its Rife from Ses or Mo-men; for that there are fuch Things as Sca-men, would fean a Thing faure to be doubted, after what we have faid under the Article Man-mad.

The Pues conduring various to Arachemistra of Crimen the Office of calming the Waves, and of making Tempels code. Thus in the 11 of the Metamorpholys we read, that Nejauad editing to recal the Waves of the Deluse, commanded Triter to found his Trumpet, at the Nosic whereof the Waves all

TRITONE, TRITON, in Music, a falle Concord, confist-ing of three Tones, or a greater Third, and a greater Tone, See Concord.

one CONCORD.

Its Ratio, or Proportion in Numbers, is of 45 to 32. In dividing the Octave, we find, on one olde, the faile Fifth, and the Tritone on the other. See Octave.

The Tritone is a kind of redundant Third, confifting of three Tones, whence its Name; or, more properly, of two Tones, with a greater Semitone, and a leffer, as of ut to fa,

of fix to fi. Se — But it is not, as many imagine, a greater Fourth, for the Fourth is a perfect interval, which does not admit of any Majority or Minority. Nor must the Tritone be confounded with the faile Fifth; for the Tritone only comprehends four Degrees, vit. ut. re, mi, fi, whereas the

false Fifth comprehends Five, vin. fa, fol, la, fi, ut; befides, gaine zimo cooppenense zirec, ven jes, ps., snj., di 5. delector, the among the Six Gerinteres, which comprole the Firmen whereas among the Six Semintones, which compose the Fish Fifth, there are only two leftler, and four greater. See Thirth, Fournes, First, dis. TRITURATION, in Pharmacy, Grinding 5, the AB of reducing a folid Body into a talente Fewders, call'd also Lengthum, Philotophiam, etc. See Fournes, Luxtua-

T10N, &c

TION, US.

The Tritunties: of Woods, Barks, Minerals, and other hard and dry Bodies, is performed in Metalline Mortans.

The fine: Textus is file applied to the commitating, bruifing and dividing of harnid Matters, into little Parts:—The Trinuration of moift Bodies is perform'd in Marble, or Stone Mortars, with Peffles of Wood, Glafs, Ivory, Sc. Mortars, with Peffles of Wood, Glass, Ivory, & The Word is form'd from 171 and 1670, I wear.

The Word is form'd from res and tree, I week, "Trimmeting, Developed Collection," I was a wonderful Force to diffusive former facilities, and well received to make the contraction of the collection of the contraction of the collection of the coll

and occentre a more powerful Meditine.

Dr. Langelette has wrote a curious Treatife of the great
Effects of Trimmation in Chymility; and deferibes a peculiar Way he coupleyed to grind Gold, whereby he could
render it as fluid as the Fire does, and make an Aurum Potable, by the bare Medica of a Mill. See Golp and Poyable.

The Authority is the Difficulties of Treating to the Country of the

tablic, by the bare Motion of a Mill. Sec Gotta and For a Nut.
That Author, in the Philiphical Transfirtiers, mentions
his way of grinding Gold, and deferibes two Engines, or
Philiofophical Mills for the Purpofe, with one of which, in
the Space of Pourteen natural Days, he reduced a Leaf of
Gold to a dasky Powder, and parting it into a Ballow Retore placed in a Sand Heat, he thence obtained, by gradually
the Space of Pourteen natural Control of the Space
to Place of the Space of

come shored that a bound there is the theory actional, by gard analysis increasing the First and giving a fitting one at fails, it is very seed Deeps, which, digitited per fi, or with trentrated Sports of Wine, afferded a pure and genuine Aument Postable.

The state of the stat

Doctrine is laid down at large.

This Syftem was much talk'd of fome Years ago, being countenanced by Dr. Pitcairn, and others; but feems now

much declined.

The Decirine of Trituration is not new: — Erififiratus maintain'd it in all its Latitude many Ages age; and the

maintain'd it in an its Latteace many ages ages, and the Moderns have only revived it.

It was first broach'd in the Time of Hippecrates, that is, in a Time when Anatomy was but little known; and 'twas this that render'd it current. — An Opinion was entertain'd by tone Physicians of those Times, that the Stomach was only the Receptacle of the folid or dry Foods; that those Foods, after having been diluted, and broke in the Mouth, were again after having been diluted, and broke to the Mouth, were again broke more perfectly in the Stomach, and by this means alone were converted into Chyle: but that the Drink, by reafon of ite Liquidity, not being fubject to be broken, went to the Lungs, and not the Stomach, where, by reafon of its abandance, it would rather have prejudiced the Digeftion then have added it. than have aided it.

Hippocrates, we tead, in the fourth Book of Diffafes, flood up ftremoutly against an Opinion fo visibly contrary stood up trendening against an Opinion to Opinion to The Sea of Resign and Experience; and be informs us, That if he gave himfelf this Thouble; was because the Error had inleady got a good number of Partisans.—It could not fland long against the Reasons of Hippercare; and its Defeat was followed by the intrier Rain of the System of Trinsration,

bollowed by the mine terms, which had its Foundation thereon.

But Drifffratus retrieved it again; and the Doctrine, after having beth supported for some time, fell anew into Oblivion; whence some late Authors have in vain endea-Oblivion; whence for

TRIUMPH, TRIUMPHUS, a Cerémony or Solemnity, practifed among the ancient Romans, to do Honour to a victorious General, by affording him a magnificent Entry into their City.

The Triumph was the most pompous Speciacle known gong the Ancieuts: Authors ufually attribute its Invention so Baccius; and tell us, that he first spinnsph'd upon the Conquest of the Indies; and yet this Ceremony was only in use

one of the Initial, in Joy this Commony was only in Life among the Rossiss of the New York, the Highest date of the New York o

queror without the Gate call'd Capena or Triumphalis, and march'd in order before him to the Capitol. - He was richly march a morder before him to the Capitol. — He was richly clad, in a Purple Robe Embrodied' a With Figures of Gold, fet-ting forth his glorious Atchievements: His Buskins were befer with Pearl, and be wore a Crown, which a tfirft was only Laurel, but afterwards, Gold: One Hand bore a Laurel Branch, and the city of the Company of the but afterwards, Gook: One Hand bore a Lauret Branch, and the other a Trancheon. He was drawn in a Gir or Christo, adorn'd with Ivery and Plans of Gold, drawn ufually by two white Hards, though flometimes by other Animals; as that of Pompley, when he trimmph's over Africa, by Elephana, that of Mork Anthony, by Lious; that of Heliogadalins, by Tygers; that of Autralian, by Dee; that of New by Herhrodite Marcs, &c.

mophrodite Mares, E.G.
At his Feet were his Children, or, fometimes, on the
Chariot Horfen. — "Tis added, that the public Executioner
was behind him, to remind him, from Time to Time, that
theft Hooours were Transfervy, and wou'd noe freen him
from the Secreity of the Laws, if he should ever be found delinquent.

deindjeurs. The Civolezde was led up by the Mußeilnes, who had Cowns on their Heads: other them, care feveral Charlos. Cowns on their Heads: other them, care feveral Charlos. In Relievo T. Phys. Phys. B. Switz Lain, from the Eleveny, their Horfes, Arms, Gold, Shier, Machines, Tenn, Se. Affect hefe came the Kings, Princes or Generals foldeded, louden with Chairs, and followed by Milmicks and Balloson, who findled over their Misfortanes: — Next cime Balloson, who findled over their Misfortanes: — Next cime the Officers of the conquering Troops, with Crowns on their

Then appear'd the rriumphal Chariot 3 before which as if past'd, they all along strew'd Flowers 1 the Mase play'd in Praise of the Conqueror amidst the loud Acclamations of the Poople, crying so Triumpha.

The Chariot was follow'd by the Senste clad in white Robes, and the Senste by Such Citizens as had been se as

Liberty or Ranfom'd. The Procession was closed by the Sacrificers, and their Officers and Utenfils, with a white Ox led along for the chief

In this Order they proceeded through the triumphal Gate, along the Via Sacra to the Capitol, were the Victims were

flain. In the mean time, all the Temples were open; and all the Altars loaden with Offerings and Incense; Games and Com-bats were celebrated in the public Places, and Rejoycings ap-

pear'd every where

perid every where. What was betterfield all this Mirth, was, that the What was betterfield at the Benin and the Benin and Strengted it is being a Foliar of Religion with them, not to teach the Vislim all lately had also falled Revenge of their Bennies.—The Ritts and Sacrification over, Pericon and Sementine of the Revenge of their Bennies.—The Ritts and Sacrification over, Pericos, and Sementines on Herolett Francis, and Sementine of The Ritts and Sacrification over the Sementines of the Semen

TRIUMVIR, one of three Persons who govern absolutely and with equal Authority in a State.

The Word is little used but in the Roman History. — Cafar, Craffus and Pompey were the first Triumwirs, i. e. the first who divided the Government of the Republic among them.

who direct the Covernment of the Acquaire strong cosm. See Tailanty are.

There were also ther Officers, call'd Triumwirt, TriumTries were also ther Officers, called Triumwirt, TriumTries were also that Care of Priloners, and also to the Exceution of Criminals.

cention of Criminas,

Trimmuri Mourales, who were Magistrates created at the

fame time, to look to the Coinage of the Money; whence
that Mark fill extint ou many ancient Coins, HIVIRI.

These Officers were very considerable, and chosen our of the

Knights. They made Part of the Contampiri. The Title they best on Medals, is IIIVIR AAA FE Trimmeir Auro Argento Are Hando, Feriendo, which figuifies that they had the Direction of the calting and firking of Gold, Silver and Brafs.

and Brats.

There were also — Triumviri Æsibus resetensits, Officers appointed to look to the Reparation of Temples. — Triumviri Colonits sedawards, for the conducting and testing of Colonics. — Triumviri for the raising of Troops, — McIarnal Triumviris, to prevent or extinguish Fires. — Triumvirs to re-

americ, to percent or extraggille Firet. — Frimmerir to review the Tocco, Ge.

Arising the Control of the Contr more Redon, reads Trimovir Faltudo i, in like manest, as on a Medial of the deputies Founds, we can HIVE WIRTLUS and Addidate the Anguine Founds, we can be a facility of the following 
Monageur.
TRIUNE, q. d. tretin Uno, Three in one, a Term fome-times applied to God, to expects the Unity of the God-head, in a Tonity of Perfors. See TRINSTY.
TROCHAIC, TROCHAICUS, in the Latin Pectry, a kind of Vertic confiding of Truches; or wherein that Foot pre-dominates; as the Lambire do in the lambic. See Langue.

The XVIIIth Ode of the II. Book of Horace's Odes, confifts of Strophes of two Verfes, the first whereof is Trachsic Dimetre Catalectics, i. c. Trachsic, composed of three Traches, befides a Syllable at the End,

Nos ebur ueque Aureum -Largieria flogito.

TROCHANTER, in Anatomy, a Name given to two Apophytes fituate in the upper Part of the Thigh-bene. See Apophysis.

Aponuvas.
The largell, which is above, is call'd the great Trochester; and the finaller, beneath, the help Trochester. See Fascus.
The Word literally fignifies Restater or Rolling, from the Greek, \$\tau\text{project}\$, \$76\text{s}\$, 1 ms. 1 turn round. — That Appellation was given to thole Apophytics, by reation they receive the Tendons of motil of the Matches of the Thigh, amongit which are the Obsurators which move it round.

RAYOR.

TROCHEE, TROCHEUS, in the Greek and Latin Poetry, a kind of Foot, confifting of two Syllables, the first long, the latter short — Such are the Words used and music. See

The Trochee is the Reverse of the lambus; and has a just contrary Effect; the latter being light and (prightly, and the former weak and languid, as all those Measures are, which more from a long to a short Syllable. See IAMBEC. Some call the Trackee, the Charge, Chargess, because proper

for Songs and Dances. TROCHE, TROCHISCUS, in Pharmacy, a Form of Medi-ne, made to be held in the Mouth to diffolve.

cine, made to be held in the Mouth to diffolive.

The Treebe is properly a dry Composition, the chief Ingredients whereof, after having been brought into a very fub-tile Powder, are incorporated with some proper Liquor, as diffill d Waters, Wune, Vinegue or Muchlages; and reduced into a Masi, which is moulded into little Cakes or Balls of any Visitions and dried in the Air for from the Fire. Form, at Pleasure, and dried in the Air far from the Fire.

There are Treches of various Kinds, and for various Intenes; as Purgative, Alterative, Aperitive, Corroborative,

Latin Authors call them Pafilli, Rotule, Placentule, Orbits and Orbituli 2 and the English, trequently, Lozenges.
The chief Trackes are of Again, Liquorice, Normeg, Amber, Rhubarh, Cayers, Myrth, Rofes, Camphor, Squillee,

America, Raminio, organization, and end of Treches of Albanial, from the Arets, who call Coloquinida, Handal.
TROCHIUS, Trocentus, in Architecture, a large hollow Member, whole Cavity is composed of two Arches, a least is that HAI, Tab. Architect, Fig. 19.
The Trechitat is usually call'd by the Modern Architects, Section See Section 2.8 Section 2.8 Section 2.8 Section 3.8 Section 3. Section 3.8 Sect

TROCHITE, or TROCHITES, in natural History, a kind

of figured folidi Stome, refembling Plants; rulgarly call'd St. College's Basals. See Fount and Stome.

See State 
Fig. 12.
Two or three or more of these Trechitse joyn'd together, constitute what the Naturalists call an Entrochot. See Ex-

твосно

"Roceing, or fingle Joints are for fer together, that The Virgolite, or fingle Joints are for fer together, that The Virgolite Control of the Sauruer of the Skull.—They are found to the Sauruer of the Skull.—They are found to the Villiage in Octors, at all Depths under Ground in Avenigh Hills, the forestiment only finally all their, and information in large Great or Belse of all Magnitudes, from the Sau of the They are greatly the Sauruer of Belse of all Magnitudes, from the Sau of the Three are expectably finally genues are benefity after the Three are expectably finally genues are benefity larger.

They are generally found ramous or branchy, larger Branches arifing from the Stem, or Cylinder, and finaller from the C. The Branches being deeply inferted into the Stem, the tearing them off leaves great Holes therein. Dr. Lifer's has discoverd a fort of little Fragments among

Dr. Lifter has discover'd a fort of little Fragments among them, which he takes to have been the Apices of the Plants 3 and another Sort, which is uppose to have been the Affices of the Plants san another Sort, which he furpose to have been the Roots. — In effect, the Trachites are generally allowed to be the Bodies of Rock-Plants, fuch as Coral is. See Roca. Plant.
Mr. Bestamows in the Philosophical Translations, affures up, he has found that all the Culfis in form Mines, are made

us, he has found that all the Gifts in tome patnes, are mane up of their Source plants, force wherete have been converted into Linuctione Rocks, while in their tender Growth; while the others becoming Syen, compaile Bodies of that Sublitance; and considering thair all the Cliffs for a very large Gream-ference in form Places, confill woully of their Plants; we may be compared to the confidence of the Compared Compared to the Compared Compared to the Compared 
Freign or forces of three under cryoning, as there are or cora-in the Red Sea. See Con ar.

In the Courl's between the Cliffs, are found of the Plants at all Stages and Degrees of Maturity, growing up in the gritty Clay, and rooted in the rike mold Stones, many of them of the Form and Dimentious of a Tobacco.pipe, fome yet crude or raw Clay, others of the Confiftence of Lime frome, others

or nw Chy, others of the Confidence of Line, fine's, others illiul harder, with the evident Beginning of Circles and Seith More, which the evident Beginning of Circles and Seith Chymres of Muturity. See 8 x s s. 4. 5. The Fith continues till white and five y as the whole Plant. The Fith continues till white and five y as the whole Plant. The Fith continues the Plant Chymres and Muturity which have five Acces for the their plant between Stevenman and Marchare which have five Acces for the their plant between Stevenman and Marchare which have five Acces for the their harder of the Chymres and the Acces for the Chymres and Chymres and Chymres and the Chymres and Chymres an

Why, then, mayn't they or anowed as proper vege-anomy, so other Plants? Indeed 'tis highly probable, thefe Rock-plants are Lapids if Generis, and not parts of Animals or Plants perified, as many Authors have imagined.— If the figured Roots, wheremany Authors have imagened. — If the figured Konts, where on they finentine grow, the way shighten the right, have not been found to the control of the cont

[8] I. I.s., in this Radian a Roin to taken any shore except in an Center, this Roan will definite a Carre, one Pitt where of will be below the Line deferibed by the Center, and the other above it. — This Line, thus deferibed by the Point taken in the Radiau, is called the Tratabid.

The right Lane which joyes the two Extremilies of the Trackid, and which is either the Path the Wheel makes, or a Line parallel to that Path, is called the Bigle of the Virian and the Path of the Wheel Radiau of the Path of the Wheel Radiau of Line parallel to that Path, is called the Bigle of the Virian and the Path of the Wheel Radiau of Line parallel to that Path, is called the Bigle of the Virian and the Path of the Wheel Radiau of the Wheel Radiau of the Path of the Wheel Radiau of the Wheel Radiau of the Wheel Radiau of the Path of the Wheel Radiau of the Wheel Radi

cheef. Anis of the Troubled, is the Disnerce of the Water, or proposition to the Bate in the middle of the Mosine, or particular to the Bate in the middle of the Mosine or that Part of the Radius between the Troubled and its Bisis.—The Point wherein the Anis in car into rew Parts Welling the Line deferried by the Centre of the Wheel, is call'd the Line deferred of the Troubled's the suppermed Point of the Anis, the Ferice of the Troubled's and the Histor, comprehended between the Tracked and in Histor, the Troubled's place. The Trochoid is the fame with what we otherwise call the Cycloid; the Properties, &c., whereof, fee under the Article

The Word is form'd from the Greek, 70/20, Wheel, and

TROCLODYTES, TROOLODYTE, in the socient Geo-graphy, a People of Actiopies, faid to have lived in Caves under Ground. Pemp, Mela gives a strange Account of them. -- He says they did not so properly speak as shrick; that they liv'd on

Serpents, Co. There calls them Ichthyophogi. Montagus takes them to be the fame with those call'd in Scripture Ghansmins. Pin-tianus in Strabo, will have them wrote without the I, Trago-

The Word is form'd of the Greek, Trangus, Caverna.
TROGLODYTES are also spoke of as a Sect of Jowish

The Word is form? of the Grock, regs-pas, Caverra, Tanconcurves are also flowle of at a 8 Get of Fresh Tanconcurves are also flowle of at a 8 Get of Fresh Tanconcurves are also flowle of a 10 Get of Tanconcurves and the Get of Tanconcurves are also flowled by the Get of Tanconcurves and the Get of Tanconcurves are also flowled by the Get of Tanconcurves and the Get of Tanconcurves are also flowled by the Get of Tanconcurves are also flowled flowled by the Get of Tanconcurves are also flowled f

Figstro.
TRONCHONNE & committee, in Heraldry, denters a
Cosis or short Thing out in Pixes and differentheely, yet for a
all the Rices keep on the Form of a Cosis, shought feat and
TRONAGE, Thou Actorus, an anciest Cuttem or Tell
pard for the weighting of Wood!
The Word counts from Trens, an edd Name for a Beam
overligh with. His office of the City of Intella, whole
Billionist in was no weigh in World brought into that City.

Budnet is was to weigh the Would brought into that City. TRONES 1995, was the faune to what we now call TRONES 1995, was the faune to what we now call the TRONES 1995, was the faune to Company of Foot Command of a Captain afsorcing to Company of Foot Command of a Captain afsorcing to Company of Foot Command of a Captain afsorcing to Company of Foot Command of a Captain afsorcing to Company of Foot Command of the Captain afsorcing to Captain and Captain afsorcing the Captain afsor

As when we fay as Aff, for a physic Deefins 1 Thumberiolity of the many transformation to sough the Disabness white, after the proceedings of the many transformation to sough the Disabness white, and This Change of Sond its a were to selled, but where it gives a Force and Dignity, or renders the Diffcourie more "This Called Topic," from the Greek, "ripe, source, I turn change, in regard the Words as here createfored from the change, in regard the Words as here createfored from the proper indurently as and that Yinger only lightly the Things place of the Contexts and Relation those Target has well white Context, whose proper Names trays.

This Change or Invertion is perform'd various Ways; but chiefty Four; whence arife four principal Tropes, vio. the Messaphora, Missosymia, Symecholocke and Ironia; a cach where-of, fee under the proper Articles, Matapersona, Matony-Mia, Symecholocke, The Change with Finone, Same Authors, confound the Term Trans.

of, not knowled the proper ATTOLOS, SILVANIOLAS, MALEVONT-SORE ALBORY CONTROL OF THE STATE AND ALBORY AND AND awakened of courfe.

awakened of courte.

Befides the four capital Tropes above mentioned, there are feveral inferior ones: When the Trope is too hold, 'its call'd an Hyperfole', when continued, 'its an Lilingers'; when too belicare, an Linguistics, when it flocks us, or is too temore, a Centalverfit, See Hypersonen, ALLEONY, ENDIONA,

Sec. Add to these, other Tropes, as the Messlepsis, Antonomafia and Listers of Extension. See Maralersis, Esc.
Some also refer the Six kinds of Irrison, to the Tripes,
vice, the Sorcasia, Diagram, Charjentistin, Assistan, Mystersia
and Minessis, but without static loss Resion. See Saccasses,

800

TROPHY, TROPHEUM, among the Ancients, a Pile or Heap of Arms of a ranquift'd Enemy, rais'd by the Conqueroe in the most eminent Part of the Field of Battel. The Word is also used for an artificial Representation of

in the most elimited and to the bridge of Isitual, the control of the first of the property of

The Word is form'd from the Latin, Tropheum, which Voffins deduces from the Greek, Trope, the Flight of an

TROPHY. Money, a Duty of 4 d. paid Annually by the House keepers or the Trained Bands, for the Drums, Colours, Sc. of their respective Companies. See Mills-

TIA.
TROPICKS, TROPICI, in Aftronomy, two immoveable Circles of the Sphere, drawn through the Solditinal Points, parallel to the Equator. See Cincin and Sphere 2.
Such are the Circles ME and N L, Tab. Aftronomy,

Such are the Circles M K and N L, ThA Admonsory, Fig. 52. See Securitival Paint.

On the Tripleis may be defined two Circles paullet in the Order of the Circles and Circles a

They have their Name from the Greek, rgyral, Turn, Con-wriften, as being the Limits of the Sun's Way, or Declina-tion towards North and South; jo that when the San is arrived at either of them, be turn the other Way. Hence, 2, Sione the Declination of the Ecliptic is the Arch E. A. or L. D.; E. N. will be the Duffance of the Troptekt

Ach E.A. of L.D.; E.N will be the Dilance of the Triplets which is dead to regreat Declaration.

2. Wherefore if the San's Mordain Alterials to shirry, and the later be introduced in the San's Mordain and the later be introduced from the former, the Remaided will be the Dilance of the Triplets; half whereof is the greated Declinated of the Criplets; half whereof is the greated Declinate of the Triplets; half whereof is the greated Declinate of the Triplets; half whereof is the Regarder, the Georgian and the Triplets Triplets are in the Hanso of the Confession Appeals and at the Dilance of 2 st 2 yr from the Equator, which is TRIOTIES TO, a Trayer, the Name of a Sect.—St. Obburdint, in his Letter to Morphon, gives the Application the East, and Targelfant in the West. See Parsonary Confession and the East, and Targelfant in the West. See Parsonary Confession and the East, and Targelfant in the West. See Parsonary Confession and the Confession and the Confession and the Confession and the East, and Targelfant in the West. See Parsonary Confession and Confess

the East, and Patripaffans in the West. See PNEUMATO-MACHI, &6.
The Reason of the Name Tropiβ was, that they explain'd the Scripture altogether by Tropes and Figures of Speech.

See TROPE. The Romanifts also give the Appellation Tropifts to those of the Reform'd Religion; in regard of their constructing the Words of the Eucharift figuratively. See Transun-

TROPITES, TROPITE, a Sect, who, according to Phi-lastrius, maintain'd that the Word was turn'd or chang'd into

Flesh, or into Man.

Fieth, or into Man.

This Opinion they founded on that Paffage of St. New, milinderlised; I The Word was made Fiby; as if it imported, that the Word was converted into Pieth, and not that he was clossib d with our Fieth, and our Nature.

TROT, in the Missage, oor of the natural Paces of a Horfe, performed with two Legs in the Air, and two on the Ground at the fame time, crote-wife, like Sc. Andrews of the Consult of the Consult of the Natural Paces of a More of the St. Andrews of the Natural Paces of the Nat

Grofi; and continuing so alternately to raise the hind Leg of one Side, and the fore Leg of the other Side at once, leaving the other hind and fore Leg upon the Ground till the former come down.
In this Motion, the nearer the Horfe takes his Limbs

in this motion, the meater the storic taxes his Limbs from the Ground, the opener, the excess, and the florter his face will be. — It he takes up his Feet florenly, it is a Sign of Stumbling and Lammeris ; if he tread narrow, or cross, it because interfering or failing; if he tread long, it flows over-reaching; if he flep uneven, it befpeaks Toil

and Wearings TROUBADOURS, or TROUVEDURS, or TROUVERS, a Name anciently, and to this Day, given the ancient Poets of Prouses. See Poetray.

Some will have the Name borrow'd from thomps, to find by reason of their Inventions; the others take them to have been call'd Translations, by reason they fung their Poems on an Instrument call'd a Transpe or Trump.

The Poety of the Troubstorrs confided in Sonnets, Patto-

An e Poety of the \*\*I production\*\* conditied in Somets, Fallo-rals, Songa, Syrvenes or Satyrs, which were much to their Tafte; and in Teofons, which were Love Diffrates. \*\*Jesse de Noire Danie, commonly call'd Nofredament, a Froureur in the Parliament of \*\*Processer, worde an ample Difrourie of their Poets. — He makes their Number sevency-

Pasquier tells us, be had an Extract of an ancient Book Pafymer tells us, be had an Extract or an ancient flows belonging to Cardinal Brushe, contiled, Los Nomis dayang and forms Tenjons 15 Syrocastes, which made their Number university, among which was an Emperor, cive. Preservet. and two Kings, wire. Richard I. of England, and a King of Arrages, with a Damphin, teveral Counts, See. Nor that all their had compred centre. Works in Provincial; if time of all their had compred centre, which beyond Polimerus.

all their had compord entire Works in Frovincial; fome of them had not brought forth any thing by ood Erigents, \*\*Petersch lipitaks with Applatic of feveral Treubatour; the INO Chapter of the Treubatour; The Indian Poets are field to have borrowd their best Fireces from the \*\*Persbatour; Polymer declares expertly, that \*\*Zames and \*\*Petersch are, indeed, the Fountains of the Indian Fountains but Pountains which have their Sources in the Frovincial

Poetry.

Bonche, in his Hiftery of Provence, relates, that about the Middle of the XIIth Century, the Trombestory began to be eleven'd throughout Europe, and that their Cedit-sad Poetry was at the highest about the Middle of the XIVth. He adds, that it was in Processes that Petrayel learns the Arrof Rhiming, which he alterwards positivit, and taught

TROVER, in Law, an Action which a Man hath against cee that having found any of his Goods, refuteth to deliver them upon Demand.

Actions of Derinue are frequently turn'd into Actions upon the Cafe, fur Trover and Convertion. See Datines.

TROUGH of the Ses, is the Hellow or Cavity made between the Waves or Billows in a rowling Sea. — Hence, when a Ship lies down there, they say the lies in the Trough

when a Ship lies down there, they fay the lies in the Trange of the Size.

TROUSSEQUIN, in the Manage, a First of Wood unarbowing, and above the Indied Bow of a great Side and the Size and the Size and the Size and the Size TROUT colours.—A Hort in that no be of this Calour when he is white, and pleckted out Size of Islack, bay, or forcet, effeculty about the Hold and Neck. TROUT size Set Trans Farings of Size and Size and TROUS and Size and Size and Size and Size and Size and TROUS and Size and Size and Size and Size and Size and TROUS. A subscribe of Arms to a Cofficient of Holds.

NAOE and WEIGHT.

THUCE, a Sudenfine of Arms; or a Ceffation of Hollilife of the Committee of the Committee of Hollilife of the Committee of the Committee of Hollilife of the Committee of

Fath.

TRUCKINAN, Dragonan, or Dragona, in the Countries
of the Livent, an Interprete. See Transca, in the Countries
of the Livent, an Interprete. See Transca, in the Countries
of the Livent, a first per Fire of Wood at the Top
of a Mail, to put the Flag Sail.

TRUCKING, in Commerce. See Permutation, Ex-

CHANGE, COMMERCE, &c.
TRUCKS, among Gunners, round Pieces of Wood like Wheels, fix'd on the Axel-trees of Carriages, to move the

Ordernor at Sea.

TRUE, fomething agreeable to the Reality of Things. or to Teath. See Truers.

In this Sense we say, the state God, the state Religion, state Gold, ore, in Opposition to talk up pretended ones. See

FALSHOOD.

Tave Plete of a Planet, or Star, in Aftronomy, is a Point of the Heavess fixen or pointed out by a right Line, drawn from the Centre of the Earth through the Centre of the Planet or Star. See Planet. See also PLANET, 50. In this Senite the Word itstack opposed to oppose with the Word itstack opposed to oppose with the theory of the Planet or Star. See also the Planet or Star. See the Planet or Star. See the Planet or Star. See also the Planet or Star. See the Planet or Star. See the Planet or Star. See also the Planet or Star. See the Planet or Star.

ASSABENT This Point in the Heavens is referr'd to the Ecliptick or Zodiack, by the Planet or State Circle of Longitude. See Circle of Longitude.

TRUFFLES, Tubers Terre, in Natural Hillory, a kind vegetable Productions, not unlike Mulitrooms, See Мизнаоом.

The ancient Physicians and Naturalists; rank Truffles in the Number of Roots, Bulbs, or Cloves; and define them to be a Species of Vegetables, without Stalks, Leaves, Pibres, &c.

They are produc'd most in dry chap'd Grounds, and that, as Pliny says, chiefly after Rains and Thunder, in Automn.

Their Duration he limits to a Year. — Their Colour is

— Their Duration he limits to a Year. — Their Color is uncertain; form being white, others black, 25c. In Italy, France, Sc. they eat them as a great Dainty, either fryd in Silices with Oil, Salt and Pepper, no boild over and again in their own Broth. — The Hogs are exceedingly food of them, and are frequently the bleans of dif-covering the Places where they are; whence the common People call them Swine-bread.

Propie call them Sumes-breas.

The modern Bonanitz rank Truffies in the Number of Planes the' they wast most of the usual Parts thereof.—
All we know of heir Growth, is, that they are at first no bigger than a Pez, redsill without, and within, whistilly and that as they ripen, the white Part gross more dusty and black, only there are fill left a Number of white Streaks, which all reminates at Places where the outer Cost Streaks, which all reminates at Places where the outer Cost. is crack'd, or open 4 and which, in all Probability, are the Veffels that convey the Nourillament into the Triffles. In these Veffels is found a whitish Matter, which, when

view'd with a Microfcope, appears to be a transparent Pa-renchyma, confetting of Veficules; in the Middle whereof, are preceived little round black Grains, separate from each other, suppos'd to be the Seed of the Truffler. See

When the Traffle rots in the Ground thro' Excess of Ripeness, these Grains are the only Thing that remain of them; and these are supposed to produce new Traffes, which grow one after another

one after another. What confirms the Opinion of their coming from Seed, 18, that there have been Praffills Lackly discovered in England, and this odly in Northansyndripier, and even only in one Place thereof, evin near Replane, a Place thock d with Hants formerly brought from Languades, and "is odly face they that any Traffict have been there observed; whether "is contact any Traffict have been there observed; whether "is contact any Traffict have been there observed; whether "is contact and the state of th

cluded, that the Seed of their Truffles was brought from France among the Roots of the other Plants, Their English Truffles were first discover'd by Dr. Hasson

"The height Triggie were that discovered by Dr. Hatton.
Dr. Tarrer Reching saffere wit, by are the true Present
Triggies, the Ballant Yarrigie of Termipole, and the Openip
Triggies he Ballant Yarrigie of Termipole, and the Openip
Triggies he Ballant Yarrigie of Termipole, and the Openip
Triggies have been the triggies and the Safferen Reching 
found ultally half a Foot beneath the Surface thereof. Dr. Hatten has observed feveral titler Florest things as Sol, which, in all Frokathitur, do the Olifice of Rosts.—The Triglies goes technically globular, as receiving their Noarthmens all around them; may being so be considered, like Soc. And the surface of the Sol of the So

and Lightening ditpoing them to tend torth their Seent, to alluring to the Swine, that fome of the Ancients call'd them

Granule, which he Trigley In. Dr. Resign to be The Law of the Constitution of the Constitution of the Page 14. The Law of the Constitution of the they reflore and Hengsthen the Somach, promote the Semen, E. but when used in absorbance, they attenuate and divide the Juices immederately, and by fome volatile and exal ed-Prince, less, occasion great Fernmenations, E.f., the 'the Pep-per and Sult they are ordinately caren without, do doubtlest contribute greatly to those Effects: — Toeir ech Tatte is oracontribute greatly to thole Effects: — Their c h Talle is owing to their not putting forth any Salky, in effect their
Principles being united, and, as it were, concentred in a
little Balb, mult yield a richer and more delicious Savour
than if the Juices were differred by Vegetation throt the
feveral Parts of a common Plant. — Some road the Traffies
under the Afters; others polverize and mix them in Sauces.

The Word is form'd from the Latin, Tuber, or Tubercu-

The Word is found from the Latin, Yuder, or Yuderu-Line, W.C., and Theo. One. in cast success Colleges.— "In Your formant well some faviour. Studied, jernet per-bagion as Himselven in Evident Heart. Mr. S. etrate, P. 2., In the black Book of Harriged, we find trage framewri for a Meafare of Westers And at Languiger, at this Day, the Vices has Trag-Care allowed him for efficiency as form Chargle of East, as 20she and Dockly within that Earling. Harry is runy cover from the Samo, Trag, which figuition a "PRINTILIACION." in Son accident which there are the "PRINTILIACION." in Son accident which there are the

High's it may cover from the Samo, "Trg, which figuities a great bollow Viell or Tvough.

"The proper should be vielled or Tvough.

"The which was the should be shoul

The Ancients had various Infroments of the Trumper Kind; as the Tube, Cornua, and Litui; which fee under sheir respective Articles.

The modern Trumpes conflits of a Mouti-piece, near an loch broad, the the Bostom be only one Chird to much.—
The Fieces which convey the Wind are call'd the Emmelois the two Flaces where it is been, Potenses; and the Casal between the Econed Bend and the Extremity, the Parollines are the Branches rake almoster, or are including the Casal Section of the Emmelois and Cover the Casal Section 1. The Casal Section 1.

Joins. When the Sound of the Tramper is well manag'd, 'tis of a great Compais. — Indeed to Extent is not firielly determinable; fince it reaches as high as the Strength of the Breath can force it. — A good Bearth will carry it beyond four Octaves, which is the Limit of the ufual Keys of Spinces.

and Organs.

sad Orjan.

The War there are eight principal Manners of founding the
The War there are eight principal Manners of founding the
Manner of the Manner of the Considerer, and when an
Army approaches a Cong. It the Considerer of the
Cong. The Manner of the Cong. The Cong. The
Factor of the Repairies, and when the Army is to decamp or march. — The cint of us when they found to Hopp.
The fifth the Harder. — The first in 1814 the dauble foundquest. — The feverals the Ohmorde. — And the cighth the
Army Cong. The Cong. The Cong. The Cong. The
Manner of the Cong. The Cong. The Cong. The
Manner of the Cong. The Cong. The Cong. The
Manner of the Cong. The Cong. The Cong. The
Manner of the Cong. The Cong. The Cong. The
Manner of the Cong. The Cong. The Cong. The
Manner of the Cong. The Cong. The Cong. The
Manner of the Manner of the
Manner of the Cong. The
Manner of the
Manner of the Cong. The
Manner of the
Mann

Rétries. Beine vaious rioutilles, Vointierse, gre, une fin Elypicing. In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In Elypicing.
In

There are two notable Defects in the Trumpes, observed by Mr. Roberts, in the "Philosophical Transfertions"; — The first is, that it will only perform certain Notes within its Compats, commonly called Transfert Notes: The fiecond, that four of the Notes it does perform, are out of Tune.

that tour of the Notes it most personal are out on some See Norge.

The same Defech are found in the Trumper Marine; and the Reason is the same in both. See TRUMPER Marine, The Word Trumper is found from the French, Trusperse. The Word Franker's form'd from the French, Transperie, Manage derives it from the Greek, esplayer, runbe, a Shell anciently stied for a Franker. Du Gasge derives it from the corrupt Lain, Transpe, on the Fallon, Transle, or Transleries; others from the Celtie, Transpill, which figuries to the function.

The Committee of the Celtie, Transpill, which figuries to the function.

The warm's Marine, is a mulicial Influence confilling of the Tables.

TRUMFET MATTER, is a mulicus interument contiting of three Tables, which form its triangular Body. It has a very long Nock, with one fingle String, very thick, mounted on a Bridge, which is firm on one Side, but remaind on the other.—This fleuck by a Book with the one

Hand, and with the other the String is press'd or stopp'd on the Neck by the Thumb.

size a cert by the Thumb.

"Tis the Trembling of the Bridge, when struck, that makes it imitate the Sound of a Trumper; which it does to that Perfection, that 'tis searce possible to distinguish the one from the other.

And this is what has given the Domonistics of Timpus, And this is what has given the Domonistics of Timpus, And this is what has given the Domonistics of Timpus, And this is who is Payureys, it is a kind of Monchestel.

Market, 800, in Payureys, it is a kind of Monchestel, and the payor of the Payureys, and the payor of the Payureys, and the payor of the control of the payureys, and the payor of the payureys and the payor of the payureys and the payor of the pa

other, See Us now and Giron.

Now in the Trampet Meries you do not flop clofe, as in other Inflamments, but rouch the String genrif with your other laterances, but rouch the String to mean the seed of the upper and lower Part of the String to mean the seed of the contract of the seed of the contract of the seed of th

one another, and make a Sound fuitable to their Motion, al-together confus'd. Now these aliquot Parts, he shows, are the

very Stops which produce the Transpar Neet.

Taustry Harmonions, is an Instrument which imitates
the Sound of a Transpar, and which refembles it in every
thing, excepting that it is longer, and confish of more
Branches.

thing, excepting that it is longer, and contain of more Brenches.

"Ts ordinarily cell'd.sechiet. Sec Sacrum."

"Ts ordinarily cell'd.sechiet. Sec Sacrum."

"Speaking Taumerer, is a Tube from fix to fifteen Foot long, made of Tin, perfectly straight, and with a very large Aperture; the Mouth-piece being big enough tu receive both Lips.

The Mouth being apply'd hereto, it carries the Voice to a very great Dillance, to as it may be heard diffinftly a Mile ; whence its Ufe at Sca.

whome in UFe at Sci...
The laxestime of this Transfer is held to be modern; and is commonly affirited to Six Santant Mentant, who call'd it is commonly affirited to Six Santant Mentant, who call'd it where Talls Stonerspoolsten.— Due, Ind. Krither Berns to be the Talls of the Intentions; for this terrain he had fach a better filter to the Intention; for this terrain he had fach. Rethert, in his Philmary, Bay, that the Urombay Delfin'd half Vare in England, be invented as Years below, and publish'd half skippings: It leads, that of face. Minguan and Tr. Philmardata, shriphe it to blurs, and that G. Schotter tellishes of him, share he had she ha Influence.

in his Chamber in the Raman College, with which he could call to, and receive Answers from the Porter.

an ist Commore in the Ecoloth Callege, with was a count and continued in the Ecoloth Callege and the Control Callege and Calle

alfo GAUGING

alio GAUCING.

The Word is form'd of the Latin, Transare, to cut off a Part from the Whole; whence alio Transau, Transdam, &c. In Heraldry they fin Transact.

TRUNCHEON, of the Franch Transact, and the Latin Transact, a Statement, or a kind of thort Smit und by Kings. Generals, and great Officers, as a Mark of their Command.

See BATTOON.

TRUNDLE, is a kind of Carriage with low Wheels, whereon to draw heavy cumberfore Burdens.

TRUNDLE SORE, is an Iron Shot about 17 Inches long, flarp-pointed at both Ends, with a round Bowl of Lead cath upon it, about a Hand Breadth from each End. See

TRUNK, Truncas, the Stem, or Hedy of a Tree; or that Part between the Ground and the Place where it divides into Branches. See Stras, Branch, and Tara. In lopping of Trees, nothing is left but the Trunk. See

PRUNING. PRENING.

Jimak is allo used for the Stump, or that Part left over the Root in felling.—Large Trees when fell'd, shoot out from the Timak, and make a Copie or Underwood.

The by means of the Timak left rotting in the Ground, that the Wastes in Forests are discovered.

TRUNK, in Anatomy, is used for the Busto of the human Body, exclusive of the Head and Limbs. See Busto.

Body, exclusive of the Heat and Limbs, See Brusyno, Travers, Travers, it all under for the Body of an Areay or of the the Heat and the Body of an Areay or the the Heat and Area and Area and Area and Area (Area). The Word is particularly apply to certain Parts of the Area and Cara. See Anna and Cara. Travers, in Arthesicians, is add for the Fully, or Shift of a Column, with that Part of the Peddell between the Buds and the Cornec, call'd the Epps. See Sinary and Co-

TRUNK, is also popularly u'ed for the Snout of an Ele-hant a by Naturalists call'd the Proposis thereof. See

PROBOSCIS

PRODUCTS.

TATURA Rest of a Plant, are little Roots which grow out of the Transle for Plants. See Root.

The far of two Kinds, 1°, 8 such as vegetate by a direct Deform, the Place of toler Eruption being foractions all along the Transle, as in Mints, Ed., and foractions only in the armoft Point, as in Parambles.

2°. Such as neither afternd nor defeend, but shoot forth at right Angles with the Trunk; which therefore, the st to their Office they are true Roots, yet, as to their Nature, are a Medium between a Trank and a Root.

a Medium between a Trank and a Koot.

TRUNKED, among Heralds, is applyd to Trees cut off at each End, which are faid to be tranked, or transacted.

TRUNNIONS of a Piece of Ordinance, are those Knobs or Bunches of the Gun's Media, which bear her up up on the Checks of the Curriages. See Gun, Cannon, Ordinance,

CARRIAGE, &C.

CARRAGE, SC.
TRUNMON Ring, is the Ring about a Cannon, next before the Trunmiest. See Ondmance.
TRUSS of Flowers is a Term wid by Florifis to fignify many Flowers growing together on the Head of a Stalk; as in the Courtle. in the Cowflip, Auricula, &c.

A Truft of Hey confint of fifty-dix Pounds, or half an bundered Weight; thirry-dix Truffer make a Lond; But in tendered Weight; thirry-dix Truffer make a Lond; Fatter in tendered in A Fred Pounds, on Fatter and Weight of Foreign, in as much as a Trooper can carry on half but feet Capture, in a much as a Trooper can carry on half but feet Capture, in a much as a Trooper can carry on the Hest Notice, waterparts, in a much as a Trooper can carry on the Hest Notice, waterparts on keep use the But not not who have the Hest Notice and the Hest Notice and the State of the Hest All Reads and the Hest Notice 
of a 1816, to see Aanse.

TRUSSING, in Falconry, is an Hawk's raifing any Fowl
or Prey aloft, foaring up, and then descending wirn it to the
Ground. See Haws and Falconry.

Ground. See Haws and Falconry.

Ground. See Hawa and Faccounty.

TRUSTEE, one who has an Either, or Money par or instruded in his finds for the Use of mortileton for instruction for the Hawaii of the Use of mortileton to Highest and the Opposition to Highest and experts on Figure 1 and the Opposition to Highest and experts of the Hawaii of

that Proposition is 17th, occasive agreeable to the Nature of those Numbers. See Elastion.

17th, according to Mr. Lock, confifts in the joining or feparating of Signs as the Things figurify d by them do agree or difference on with another. — Now the joining or feparat-ing of Signs, is what we call making of Propositions. — 4 truth then, properly, belongs only to Propositions, whereof there are two Surts, mental and cerebal; as there are two Surts of Signs commonly made use of, via. Ideas and Words. Sec IDEA and WORD.

Montal Propositions, are those wherein the Ideas in our Understanding are put together, or separated by the Mond perceiving or judging of their Agreement or Diffagree-

ment.

\*\*Forbal Prophyliciens\*\*, are Words put together, or feparated, in affirmative or negative Sciences: -- So that Prophyliciens centilis in joining or teperating [Signs 3 and Trank] conflish in putting together or feparating thole Signs, according as the Things they than do sagree or disjunction.

\*\*Forbill\*\*, therefore, as well as Knowledge, may come under the Dillinichion of everbal and read's it but being only verbal the Dillinichion of everbal and read's it but being only verbal.

Truth, where Terms are join'd according to the Agreement or Difagreement of the Ideas they fland for, without regardor Intigreement or the dees tree than for, without regard-ing whether our letes are tuch as really have, or are capable of having any Existence in Nature.—But it is then they contain rust Truth, when the's Signs are joint as our letes agree; and when our Ideas are fuch, as we know are capable of having an Extitence in Nature; which in Subflances we cannot know, but by knowing that fuch have existed. See

SUBSTANCE.

Truth is the marking down in Words the Agreement or Difagreement of Ideas, as it is.— Pallhoed is the marking down in Words the Agreement or Difagreement of Ideas, otherwife than it is; and fo far as theft Ideas, thus marked by Sounds, agree to their Archerypes, fo far only is the Truth rell.

Youth real.

The Knowledge of this Treth conflits in knowing what Ideas the Words shard for, and the Petroption of the Agreement or Difagreement of these ideas, according as it mark'd by those Words. See Probability, Evidence,

Befides Truth taken in the first Sense before mention'd, which is also call'd Legical Truth, there are other Sorts of Truths; ss, 1º. Moral Truth, which conflits in speaking Things ac-cording to the Persuasion of our own Minds; call'd also Ve-

racity. racity.

2°. Metaphyfical, or Transcendental Truth, which is nothing but the real Existence of Things conformable to the Ideas
which we have annexed to their Names. See Knowledge.

which we have arrived to user available. See also Earson, get.

In this Sense a Clock may be failed to be true, when it answers the Idea or Intention of the Person who made it.

Others, will have Metasphysical Trush or conflict in the Agreement of a Thing with the Idea thereof in the divine

Understanding.

TRUTINA Hermetit, is used among Astrologers, for an artificial Merhod of examining and restricting a Nativity.

See Honoscope to examining and rectifying a Swarrier,
See Honoscope and Ballone of weighing or ballancing a
TRUTINATION, the Act of weighing or ballancing a
Thing. See Walger and Balloner.
The Word is form'd from the Latin Truting, a Pair of

A Server Scales.

TRYAL. See Triat.

76 TRY, in the See Language. — A Ship is faid to 18%, 5 TRY, which has no more Salls abound but her Main-fail, or the when the has no more Salls abound but her Main-fail, or the sall sales.

hen the nas no use-lifen-fail only. TRYPHERE, in Pharmacy, a Term us'd TRYPHERA, TOPHERE, in Pharmacy, a Term us'd e feweral Kinds of Opiates. — The Great Tryphere is com-posed

possed of Opium, Cinnamon, Cloves, and several other Ingredients: It is used to settify the Stomach, to stop Fluxes, and for some Distastes of the Womb.

There is also the Statement Tryphere, and the Pursan Tryphere, thue call d, because fast introduced the one by the Statement, and the other by the Perssan; they both

purge gently.

The Word is form'd from the Greek, Troutely, delicate, The Word is form'd from the Greek, zposelyh, delicate, foft, by reason it makes shofe who ute it, reth. TUB is useful as a kind of Measture, to denote the Quantity of divers Things. — A Tub of Tea, is a Quantity of about 60 Founds. — A Tub of Campbire, is a Quantity from 56 to 80 Founds.

56 to 86 Found.
TUBE, Turus, a Pipe, Conduit or Couel; being a
Cylinder, hollow within fide, either of Lead, Iron, Wood,
Glafs or other Matter, for the Air or fome other Fluid to
have a free Paffage or Conveyance through.
The Term is chiefly used for those used in Physicka, Aftro-

The I term is chiefly udied for tholesuled in Particles, Altronomy, Antonomy, 26. On other ordninry Occasions, we also may be a considered to the International Control of the Memoist of the Frank Ausdenny of Science, M. Arignong times us a Treatise on the Proportions necessity for the Danmeters of Tokes, to give precisely any determinated Quantities of Watter. — The Refold of this Pince arran upon their two Analogies, That the Diminiorious of the Velocity of the Control of the Cont Tribes, are as the Diameters; the Tribes being supposed equally long; and the Quantities of Water issuing out at

equally long; and the Quantures of Water Hung out at the Titles, are as the fugure. Roots of their Diameters, de-ducting out of them the Quantity each is diminished. See Freith, Formyans, Faircinon, Sc. For the Tunes of Baromiers and Thermometers; see Barometers and Thermometers.

For the Aftent of Liquors in Capillary Tunes; fee Ascent and CAPILLARY.

Torriellian Tonz. See Torrientzian Tube.
Terr, in Afronomy, is fometimes used for Teleforte;
but more properly for that Part thereof into which the
Lens's are fitted, and by which they are directed and used. See TRLESCOPE.

The Goodness of the Tabr, being of great Importance to

that of the Telefcope; we shall here add its Structure.

Construction of a Draw-Tune for a Telescope.

The great Points to be regarded here, are, that the Tubs ben't trouble some by its Weight, nor lyable to warp and diffurb the Position of the Glasses: So that any kind of

Tube will not ferve in every Cafe: But

1º If the Tube be fmall, 'tis bell made of thin brais
Plates cover'd with Tio, and form'd into Pipes or Draws, to

flide within one anothe

2º For long Tubes, Iron would be too heavy; for which 2º For long Trilet, Iron would be too heavy, for which reason fome chule to nake them of Paper, thau :— A wooden Cylinder is rurnd, of the Length of the Paper to be utdej and of a Dameter equal to that of the finalleit Draw, About this Cylinder is roll if Paper, till it be of a fiftient Thicknets' When one Pipes is dry, provide owners after the fame manner; till making the laft ferve as a Mondle for the next, till you have enough be at the length or the Pale defired. Lailly, to the Extremes of the Draws are to be glew'd wooden Ferrils, that they may be drawn forth the better.

fame manner make another Draw over the former; and then another, till you have enough for the Length of the Tabe.

another, till you have enough for the Length of the Yabe.

To the inner Euterness of each Draw, fix a wooden Ferri,
that the sparious Kays striking against the Sides, may be intercepted and lost. In those Places where the Leavis are to
be put, it will be proper to furnish the Ferrils with Feonsle
Screws. Provide a wooden Cover to defend the Object Gerew. From the Dult, and puring the Eye Glats in its wooden Ferril, fathen it by the Serew to the Tible. Laftly, provide a little wooden of the of a Length equal to the Dittance the Eye Glats is to be from the Eye, and fit is to the other Extream of the Tube.

Tube Fallopian
Tube Eufschigns | In Anatomy. Sec | FALLOPIANTube. Eustachiana.

TUBER, or Tubercle, in Botany, a kind of round turgen Root, in form of a Knob or Turnip. See Root. The Plants which produce fact Root, are hence demoniated Turbergle or Turberous Plants.

Tuber or Tuberosity, in Medicine, is used for a Knob or Tumore growing naturally on any Part; in Opposi-tion to Tumors which arise accidentally, or from a Disease.

tion to a summer which arise accidentally, or from a Discase. See Tumon.

The fame Term is also used for a Knot in a Tree.

TUBERCULES. Treerecles, are little Tumors which
fuppurate and discharge Pus; often found in the Lungs. See

TUBERI Lastiferi, in Anatomy, is a Name used by some Writers, for those small Tubes through which the Milk slows to the Nipples of the Mamma or Breatls. See Milk and

TUBEROSE, an Epithet given to fuch Roots as are round and fleftly, and grow in the Flefth folid and continuous; having neither Skin nor Shell. — Such are the Roots of

Saffron, Peony, &c.
TUBILUSTRIUM, in Antiquity, 2 Feast or Ceremony
in use among the Ramans. See France. This Name was given to the Day whereon they purified their facred Trumpets; as also to the Ceremony of purify-ing them. It was held on the fifth and last Day of the Feath

of Minerca, call'd Quinquarrus or Quinquarria, which was perform'd rwice a Year. The Word is compounded of Tubus, and Luftro, 1 parify, TUBULI Vermiculares, a Name fometimes used by Na

turalitis, for certain fmall winding Cavities on the out-fides of Shells, See Shell.
TUFT, a Term afed by fome Authors for the buffy Part of Trees; or that Part fet with Branches, Leaves, &c. See

Banken.

\*\*Presidelijn of the Turns of Trets.\*\*—All Trees are chere'd nearedly to affect to have their Tryit's preside to the creation of the commence of the commence of the other Article Panken.

\*\*TULLERIE, or Turns, a T. j. downed; being properly a commence of the co

See BRICK and TYLE.

Euruse. See Bailes and Trea.
The Word is pare French, found from Taille,
The Word is pare French, found from Taille,
The Word is pare French, found from Taille,
The Word is pare french, found from the first
french taille,
The Word from Taillerin dees not only include the Garden p but alio
a magnificent Palees, whose Face tales up the whole Length
a magnificent Palees, whose Face tales up the whole Length
(appear to the Taillerin to Jan quitter the Taillerin
for a few Days, to redde in the Lagorn.
The Palace of the Taillerin is possed to the Lagorn by a

large Gallery, which rons all along the fame, and has its Profeeds thereon. See Louvan.

The Tinteries was begun in 1564, by Catherine de Medicis, Wife of Henry II. in the Time of her Regency; finished by Henry IV. and magnificently adorned by Louis XIV. — The Garden of the Tuileries was much improved by Louis XIII.
'TUMBLER, a fort of Dog, called in Latin, Vertagus,

TUMBLER, a for of Dog, called in Latin. Vertegus, from his quality of tumbling and winding his Body about, of the tastecks and failuse on the Prey.

Thefe Dogs are often left him Hounds; being lanker, leaner, and fomewhat pricked-cared; and by the Form of their Bodies, unight to called Mangeed Grey-hounds, if they were a little bogger.

TUMBRER, TUMBREREW, TURBIERTERYUS, an En-

TUMBLE, IDMARLIEM, URBIGHETUM, AN Engine of Pauliment, which ought to be in every Liberty, that has View of Frank-pirdge, for the Correction and Cooling of Scolds and unquiet Women. Sec CHERING-ROW, TUMEFACTION, the ACI of fwelling, or riding into a Tumor. Sec Tumora.

Tamor. Ser Tawon. Inflammation and Ymenfellium of the Telles, frequently happen in the Generaliza 3 cities from the We knot of the Verlit, visions Mexico, audicolande. Upfor of Altingens, a Verlit, visions Mexico, audicolande. Upfor of Altingens, a Verlit, visions Mexico, audicolande. Upfor of Altingens, a Verling of Emirocco on ay Part of the Ser. performance Rings of Emirocco on ay Part of the Ser. performance Rings of Emirocco on ay Part of the Ser. performance Rings of Emirocco on ay Part of the Ser. performance Rings of the Ser. performance of the

This has given occasion to the Arabi to define a Tumer to be an Indisposition, composed of three Kinds of Distastes, trix an Intemperature, an ill Conformation, and a Solution of Continuity, all which they comprise under the Name

of Cantinary, all which they comprise duce the Name Apollows, from the Greek, arisegua. See APOLYMENT THROWS may proceed from various Caules. — The Mark Throws and proceed from various Caules. — The Mark Humor, as fomenimes happens in the Crific of any particular Humor, as fomenimes happens in the Crific of a Pever, Picentiyk, Empyrems, Babo, Etc. Will give file hereto. —

And according to the Nature of the Humour so discharged, whether Sanguinous, Watery, Bilious, &c. the Tumor is

Other Tumers there are, occasioned by Flatulency, as the Tympany, after the same Manner as hydropical Tumers are occasioned by a Collection of the Lympha, or Serum, in a particular Part.

Ruptures of the Intellines, or their flatting from their Places, will likewife cause a Tumor. See Rupture.

External lujuries are another general Cause of Tumors. External Injuries are another guardia color any Part, a Wound, Fracture, Diffocation, ge, will make it fwell, or rife above its natural Level. And the fame thing may like-

wife happen from the Bites of venomous Creatures, &c. while happen from the Bites of venomous Creatures, &c. Sec Wowney, U.E.R., Convision, Bites, & Jumort, or those Youwert, properly to call d, i.e. Humortal Yumort, or those which contain a Holid Matter, arise either from a Stagnation, i.e. an Oblituchion of the Passage of forme Fluid, occasioning a flow Congestion, or a Translation or Fluids on of an Humor

om fome other Part; or a Generation of fome new Humor. See Humon See Humon.

Transors of the first Kind are very numerous, and are usually divided, with regard to the particular Humors they

are filled with, into Phlegmons, which come from the Blood. See Phileomon and Bloom Iryfifeld's, which are filled with the Bile. See ERYSTPELAS

and BILE. on Biles.

Ondernas fill'd with Pituita. See Onderna and Pituita.

And Schirrar's with Melancholy. See Schirage.

To which may be added, Flatulencies, fill'd with Wind.

To which they be added, resumblesses, as See FlatPleiner, Es.

Of the fecond Kind, are critical Tumers. See Critical.
And of the third Kind, are Concert, Ganglie's, and all
Tumers contain'd in a Cyflis or Eag. See Cancer,

GANGEIO, &c. Tumens allo frequently acquire peculiar Denominations from the Part affected, as Ophthalmia, if in the Eye; Paratides about the Ears; Paramohia in the Fingers, Go. See

OPHTHALMIA, Ov.
With respect to the Cure, all Timors are divisible into With respect to the cure, an atmost are divining has Simple and Compound, i. e. into such as are of a kindly Nature, and go off, or are cured in a reasonable Time, by the use of common Means, without the Appearance of any violent or dangerous Symptoms; and fuch as are more malig nant, or prove difficult of Cure, and are attended with bad Symptoms, and affect the adjacent Parts, or the whole Body.—When a Zimow is formed by Fluxion, a fedden Pain, Heat, Tenfion and Pulfation are felt in the Part, and

manifelt Signs of a Fever appear.

In those form'd by Congestion, the Swelling rises flowly, and the Pain, and other Symptoms, orme on gradually, and prove lefs violent; unlefs it bappen in the Joints, and other of the more fenfihle Parts,

All Timers, except these from Reptures, terminate or are removed, either by Diffussion, Supparation, Putrefaction, Induration, or Translation. See Discurrent, Suppara-TIVE, &C

When a Tumor is discussed, the Part that was affected, appears relaxed, or reduced to its natural Size and Figure, and is free from Pain and Hardnefs. See Discussion.

and as free from Pain and Hardorfs. See Discreasion,
When a Times Thates to Separation, a condicated
Degree of Heat, Pain and Paliston are fits in the Part, and
if the Yazor be large, or lie deep, Perez gozzally counts
if the Yazor be large, or lie deep, Perez gozzally counts
derverfa, and Sonciences tonally vanofit. And now, if the
Situation of the Farts permits of it, the Times appears
drawn to a Point, or becomes Consist in the Middle, or most
depending Part, where the Marter collected commonly
purer White. — At this Time, [lievasit, the Zimow appears to be come controlled, and the Sixth of the Part mere flarivelled or flaccid than before : And now, upon Preffure, if the Tumor be superficial, or by vibrating it between the Pingers, the Matter may be felt to quash from Side to Side. See SUPPURATE

Timers in the fleshy Parts of the Body, tend to their State, or suppurate faster than Timers in the Joints, Glands,

When a Timer is refolved by Indoration, the Swelling of the Part, and the Pain decrease, as the Hardness comes on. — When it terminates in Partefaction or Morrification, the Part grows fensfeleft, and turns black and feetid. See Mon-TIPLESTION

But when a Tunner goes off by Repullion, or a Return of the Matter into the Blood, it difappears at once; upon which a Fever, or fome other acute Difease presently ensues. See REPEBLENT.

REFELENT. Windy Thmort, M. Littre deferibes as form'd of Air, in-closed under some Membrane, which it dilates more or less in propertion to the Quantity, and from which it cannot escape; at least not for some time.

The Difficulty is, to conceive how the Air should come

to be collected here, --- M. Littre thinks that the most or dinary Caufe of windy Tunsors, is the gathering of Juices in fome neighbouring Part, wherein there is an Obstructi-on. The Air which is intimately mix'd with all the Juices on. The Air which is infinitely mix4 with all he Juleso
of the Body, continues to be foother to get as in them as near II blighty and Monton; her if they be calleded in any
Fare, and, by Condequene, her their Monton and Handley
from them. Now the Membeart, and disruppes with
from them. Now the Membeart, and disruppes and
from them. Now the Membeart, and disruppes and
from them, the Liques is collected, becoming distance by this Collection,
and their Fores calarged; the disrupped Air citages through
them, but the Just is call the bland, a burg too much thick
may be the control of the control of the control
to the control of the control of the control
to the control of the control of the control
to the control of the control
to the control of the control
to the c

reeds.

TUN or Tos, originally fignifics a large Veifel or Cask,
of an oblong Form, bigged in the Middle, and diminishing
of an oblong Form, bigged in the Middle, and diminishing
on the Cast of the

berg Tun is famou

Some derive the Word from Automous, in regard 'tis then Tour are most needed: Du Cange deduces it from Tours or Tourse, Words used in the base Latin, for the same Yamia or Yama, Words sted in the bate Latin, for the fame thing; whence also Yamiars to Yam.

The Yam, we frequently call a Haghead. See Hoosie An-Trux is also a certain Measure, for Liquids, as Winc, Ol, gife. See Maasura.

The Lating Yam comains two Pipes or four Battels, or

1 See Language and Amplerdam contains 6 Acms or Arms; the Tum of Amplerdam contains 6 Acms or Arms; the Advant 4 Arms; the Auker 2 Stekans, the Stekan 16 Mingles; 12 Stekans are equal to an Longhip Earrel or 63 Callons. See Callon.

Callons. See Callons.
The Yane of Bardonase and Baymore contains four Bardon.
The Yane of Bardonase and Baymore contains four Bardon, this distort two Worth Madds. See Many, first at the Yane Yane Madds. See Many, first a Martin The Yane of Mandy, filters. Now, if See In the Bones, the Yane of Life on the Yane Mandy, filters, which yet have been proposed from a young the Yane of the Yane of Shipp, 65c, are climated. See Walson; when the Walson of Twenty Carlon Shipp, 65c, are climated. See Walson; when the Yane of Twenty Carlon Shipp, 65c, are climated. See Walson; when the Yane of Twenty Callon Shipp, 65c, are climated. See Walson; which was the Yane of Twenty Callon Shipp, 65c, are climated. See Walson; which was the Yane of Twenty Callon Shipp, 65c, are climated. The Walson Shipp, 65c, are climated. Shipp, 65c, are climated. The Walson Shipp, 65c, are climated. Shipp, 65c, are climated. The Walson Shipp, 65c, are climated. Shipp, 65c, are climat Pounds, i. e. Four hundred thou find Pounds: It being found, by a carious Objervation, that the Sea Water, whose Room he Veffel fills, when full leaden, weighs fo much. See

BURTHEN.

To find the Burthen and Capacity of a Ship, they mea-fare the Hold or Place where the is loaden; allowing 42.

Cable Feet to the San Yam. See Hold.

The Price of Freight, or Carriage of Merchandizes, is ordinarily fettled on the Foot of the San Yam: And yet,

ordinarily fettled on the Foot of the ASS X 2001 AND Yes, though the Tan is Twenty hundred Weight, there is fome Difference made therein, either on account of the Weight or Camberlomoefs or Bulk of the Commodities, the Space they Accordingly, at Bourdesus, four Barrels of Wine are held a Tan; five Barrels of Brandy are estimated two Tan;

neds a Yem; nwe harrels of Brandy are climated two There; of the other of Syrop are one Tim; four Bartels of Prunes, one Tim; two Dozen of Walmut-tree Tables, one Tim; a Dozen of Walmut-tree Tables, one Tim; a Dozen of Planks one Tim; and the like of Wheat or other Grain: Ten Bales of Cork; s Five Belles of Feathers, and Eight of Ten Bales of Parks, and Eight o Paper, make each one Tun.
A Tun or Load of Timber, is 40 folid Feet, if the Timber

A sum of Load of Timber, is 45 fold Feet, if the Timber be round: If it be hew'd, or fquare, 50. See Timber, Tun, Ton, in the end of Words or Names of Place, figuify a Town, Village, or dwelling Place; from the Savos, Tun, Spept, Vallum, Villa, Vinca, Oppisium; and this from the Savos Thun, i.e. an Hill, where they formerly built Towns Company.

Tomas. Scient, i.e. as Illi, where they outnerly outner Tomas. See Town.

Tomas. See Town.

The Grew, from the Sacco, Yungereou, a. d. Ville pre-positing, a Term saciently sied for a Reeve or Ballit, gail in Villis, & que dictument Maneriti. Tominia performs fullment singular vice commis disposit & moderatur. Spalman. See rainque vice commis disposit & moderatur. Spalman. See

GREVE.
TUNE or Tonk, in Music, is that Property of Sounds
TUNE or Tonk, in Music, is that Property of Sounds

AUNK OF TORK, in Music, as that Property of Sounds whereby they come under the relation of Austra and Grass to one another. See Gravity, U.S..
Though Gravity and Acutered be mere Terms of Relation, yet the Ground of the Relation, the Time of the Sound, is given the Ground of the Relation, the Time of the Sound, is discussed in the Community of the Community of the Community of the Community of the Nature of the Thing.

The odly Difference, then, between one Twee and another, is, in Disgress, which is naturally infinite, 1s. Twe executive requires a proper of the proper of

It two or more occurs se compar d together in this Rela-tion, they are either equal or unequal in the Degree of Time.

- Such as are equal are call'd Unifors, See Unison.

The unequal conflicte what we call an Internal, which is the Difference of Time between two Sounds. See INTER-

VAL.

Cause and Measure of Tune; or that rebereon the Tune of a Sound depends.

Scororus Bodies, we find, differ in Time, 1°. According to the different Kinds of Matter; thus the Sound of a Piece of Gold is much graver than that of a Piece of Silver of the time Shape and Dimensions; in which Cafe, the Tones are proportional to the Succific Gravities.

According to the difference Cupatities of the form Met.

are proportional to the Specific Gravitate, and A. According to the different Quantities of the fame MarAccording to the different Quantities of the fame Marface of the different Quantities of the fame of t cannot the director Deletes of 2000 to Table to Table to Quantities, &C. as the immediate Caufe, in Effect, the Measures of Time are only to be fought in the Relations of the Morious that are the Caufe of Sound, which are no where so differentiale as in the Vibratious of Chords. See

Given. So when, are produced in Chonds by their vibratory Motions; ner, indeed, by those feasible Vibrations of financial vibrations, and the second of the control of the

Now, in the general, we find that is true (Goods, all Things lessing upul, exception of the Control of the Cont

that ill the 'Wheteness of the firm Closed are performed in cognit Times.

The graph of a board dependent on the Name of those Vinterton whose Differences we can conceive no otherwise than as leaving different Velocities, and as the final rate of the Vinterton whose Differences we can conceive no otherwise than a leaving different Velocities, and as the final rate in Fath, that the Sound of any Body arifing into one individual Sortice, but it proof product it fallows, that the Great is confidently connected with a certain Quantity of Trans to making every finight Vinterion as other transported to the Company of Trans to making every finight Vinterion as the Trans, conditions a certain and determinate Time, if or that are transported to the Company of Transport and Control of the Company of Transport and Control of the Company of Transport and Control of the Company of the Compan

MONT, EC.

TUNICA, a kind of Wafteroat or Under-Garment wore by the Aucients, both at Raws, and in the Eaft. The common People ordinarily wore only a fingle Tunica;

but those of hetter Fashion were a Tigs or Gown over it.

See Too A.

The Philosophers were a Gown without a Touise, as profeffing to go half naked.

The Touise was peculiar to the Men; the Under-Garment
of the Women not being call'd Touise, but Notes. See Stollar.

The Senators were their Tonica enrich'd with feveral little The Senators were their I must conclid with terenal little Pieces of Parple, cut in Form of Irge Nails, whence it was call'd Larticlaus: The Knights had lettle: Nails on their Tu-nists, which was been call'd Argolyliclaus. The common People were their Tunies without any Nails at all—And 'twas by their three different Sourts of Tunics, that the three different Orders of the Reman People were difficultied. See LATICLAVA, &c.

Among the Religious, the woollen Shifts, or Under-Gorments, are flill call'd Tanions or Tuniques TUNICA, or TUNIC, in Austomy, is a Term apply'd to the Skins or Membranes which cost or inclose the Veffels, and divers other of the less folid Parts of the Body. See

MEMBRANE.

and deliver other cut as mean ratte of the money one bell delivered on the property of the pro Year 1798.

the Year 1798.

This Duty at first was 41. 10.1 Sterling for Tun, for Frence Wines brought into the Port of Landon by the Lings. First of June 18 and only three for that brought in the other Ports — For the fame Wine imported by Strangers to Landon, this Duty Was 61/1914 that brought into the other Ports 41. 10.1.

Seering; Rhenifh Wine, in Virtue of the fame Act, paid 71. 101. Seerling; and Spanish, Periogness, Malmsey, and Greek Wines, the same as the French Wines.

Winsa, the time is the Frace Wines.

But there have been divers additional Duties added fines.

— As, the statistical Theory of the del Subifier, Segmenger

Board of morties Implied of Lumage, Tamp of additional Lumage

Tenson as in this used for scenario. Dury poid the Mari
ness by the Machania, for unleading their Salays arrived in

any Harvan, after the Rate of 6 much a 7 ms. See Dury.

TUNNEL, or Founts, after the Marie of the Dreaphy of a

Number of the two Welfan-Part of the Dreaphy of a

Numer See CRIMMAY.

Name. See Chimmes.

Tunnete-Net, is a kind of Net much used for the catching of Partridges; thus call'd from its Form, which is a Cone 15 or 18 Feet long.

Cone 15 or 18 Feet long.
To use it, a Coney of those Birds being found, a Compass is taken, and the Net pixels at a good Diffance from them, according to the Situation of the Ground.—Then, with a natural or artificial Sulking Horle, they are furrounded, and gently driven towards the Net, never coming on them in a direct Line, but by Windings, Turnings, \$6. See

STATABLE.

TUNNING, a Part of the Proced of Breeling, or rather UNNING, a Part of the Proced of Breeling, or rather UNNING, a Part of the 
The Yurks call the Shath Yurbens's wincone we have norm'd the Word Yarben.

The Cap is red or green, without any Brim, pretry flat, tho' roundish a-top, and quitted with Cotton, but does no cover the Ears.—About this is wrapp'd a long Piece of

for this Linean or Cetton, in ferreal Wreaths variously for the first of does by being defligerated were distinct, or distinct, or all different control of the first part of the first part of the first part of the mining of European Cetton, and the first part of the mining of European Cetton of the Race of the Fart part of the first p

cother Turk are cothourly seed, with a white Subri. — Your general People see what Surpance Change of Turbane. — You general People see what Surpance Change of Turbane. — M. & Turbanylira Obstreet, that the Turbane, all Things con-feders, it is very commodison Devis; and that the even load. The Grand Signice Virbane is as big as a Burbel, and for exceedingly rejected by the Turba, that they due factor to the term of the term of the terms of Technon, en-tire to Purpare to look to it, call If Lutbane, flow. That of the Grand Viside has two Places, fo have those of divers other Olives, only fundle, one than smokes; others have only one; and other one as all. — The Turbane of the parts of the Canada Viside has the Canada Viside has the property one; and other one as all. — The Virbane of the parts.

Obscience of the Javan on the specimes reem, and citied Alleys.

The Shark of the Hard Triester, we have shelved, it white Limmer, that of the Popinses is not Woodlan. These shell the sh

The same is the continue and to take for the Ground where Tak's see diagod. See Turn:

The same is diagod. See Turn:

The same is the continue of the continue

When in the Ground it shoots out Vines, some whereof creep along the Ground, and the rest wind about the neigh-

cerep along the Ground, and the rell wind about the etigh-bouring freet and Brugatte, and is stell in the Dropfy, I will be a valued Fragitty of the stell in the Dropfy, I will be a stell in the Stell in the Stell in the Stell I yields adult of referent Matter in a fightness Menfirst-um, which Dr. Relings observe, does not affeld the larger Pallages much ) but sever after in the finite Veilth, and visid Adulfacon. See PanaAviva. Some Apotheristic, either have Jacomes or Parlimony, fabilities white Thupfu, which they call gray Yaristo, far the new Farings in We behas no Talm, (Dobos, and Quality).

the true Yarrhein; the oute as to Faite, Coscas, and Contest, they are very different.

It is commonly supposed to take its Name Turbith from the Violence of its Operation, as diffurbing the whole Occo-

Mineral Turnita, or Turnation Minerale, is a Name which the Chymilts give to a yellow Precipitate of Mercury, which purges violently. See Mercury and Precipitate

TATE.
Matched of preparing it is thus . . . On the dry Powcapital by a differing Mercury to 10 of Yittid, or capital by a differing Mercury to 10 of Yittid, or proper Cognitive of warm Rain Water, and the Powder will fundicisely man of a velow Colour. Contine or will thin Powder by repeated A finitions of Water, Ill the Lique that powder by repeated A finitions of Water, Ill the Lique for a beautiful pellow Cale at the Bottom of the Vetful, which being gently dry'd at the Fire, is call the yet Name of Treith Burnary. 1141 Minted Marketis from the Refere-

of Tartish mineral.

This Powder is call'd Mineral Turbish from the Refem-blace it bears to the vegetable Turbish of the Arabisms, in flrongly purging the most internal Receffes of the Body of for tho it be infipid upon the Toogue, yet it is postfaled of very confiderable Virues. ... Belog boil'd with Water, it lolies more of its Salts, and thereby grows milder, and more

TURBINATED, is a Term frequently apply'd by Naturalists to Shells, and other Bodies; to denote them of a Conical Figure, reprefenting a Pert ur a Top. See Surall.

TURBO, in Mescorology, a Whirkwas. See Whire-

TURCOISE, or Tunquois, in Natural History, a pre-cious Stone, of a blue Colour; ordinarily opake, but force-times a little transparent. See Paracious Stone. There are Turcisfes both Oriental and Occidental, of the

w Rock and the old. The Oriental persakes more of the blue Tincture than the green; and the Oriedensal more of the green than the blue.

Those of the old Rock are a deep blue, and thate of the

— There of the old Reck see a deep birs, and time of the core Reck more whith, and don't keep thet Colour.

The Orient ones come from 'bright, the Indist, and the Reck and the Indist, and the Reck and the Indist, and the Indist, and I

not.
Actions straight a Kiel of Sovenstein View to the Actions straight as the Actions straight and the Action of Sovenstein View and the Action of Sovenstein View and the Action of the Perfect, at the Doubt, Science, or even Mission and Perfect, and even breaks on their Fingers, that it makes replained to the Action of the Perfect, and even breaks on their Fingers, that it makes the Viewer, by correspondent Change in its Colours; and that it is for his Resilon the Ladica have forbore the Ulfer of the Action of the Action of the Action of the Action of the Perfect of the Change in the Action of th from natural, and even probable Caufes.

The Turqueis is easily counterfeited; and that so perfect-

ly, that 'tis impossible to discover the Deceit, without taking it our of the Collet.

p, that is negletized to discover the Bend, witness training the The Greits and Ladiers oil is Calitar, and sueefy a still appear as to have had a Flace in the Recionale of the High Integrated to the Property of the Property of the Property of the Property of the Recional of the Property of the Profile of the Property of the Profile, which is all Regions of the Property of the Profile, which is all Regions of the Property of the Profile, which is all Regions of the Property of the Profile, which is all Regions of the Property of the Profile, which is all Regions of the Property of the Profile, which is all Regions of the Property of the Profile, which is all Regions of the Property of the Profile of the Regions of the Property of the Profile of th

Level with a Diamond. — Those with my Lorest to easy. "Internative Histors, as, there are het work for of Founquist forms, as, there are het work for of Founquist forms, as, there are het work for Foundation for the Control of the

TUR

be diminified, as we fee Fire bring down the too deep Colour of the Saphir, and quite take away that of a pale Saphir: Thefe Vargneifer, on the contrary, are naturally whith or yellowifth, of a Colour as common as that of a Freethene; and by opposing them for fone Time to the Action of the Einstein efform a blue Colour. Fire, they affume a blue Colour

and by opposing from the foole after the first contraction is a first contraction of the first contraction of the first contraction of the first 
train outers; and even in large Frees, levels I are calmany require feveral Degrees of Heat.

On this Account a world of Care is to be taken in the Heating them, for the Fire, which gives them their Blue by Degrees, if they be exposed beyond a certain Degree, takes

ay again.

M. Resumer accounts for their taking a blue Colour by M. Resumer accounts for their taking a blue Colour by their Subthunce is found fprinkled and fireak'd all over with Spots, Veins, little Circles, 2%, of a black-blue Colour; Their be take to be Remains of a deep blueith Mattert, which the Fire rarelying, fireads and diffuse throughout the whole Subflance of the Stone. — This Matter, again, he concludes to have been either originally the Juice contain d in the Bones, fince mix'd and coagulated with the petrifying Juice, or form

other Mineral Matter infinuated into the Pores of the Stone.
The great Defect of all Tirrquoifer is, that in Time they lofe their blue Colour, and become green; and then ceafe to

be of any Value,

TURF, or PEAT, a blackift fulphurous Earth, us'd in
feveral Parts of England, Holland, and Flanders, as Fuel.

Sec Fuer

In Plansfers, their Tief is dug or pared from off the Sur-face of the Earth, and cat in Form of Ericks. — The Gra-men, a Species of Grafs growing very thick on the Turf Earth, contributes greatly, when dry, to the Maintenance of

Earth, contributes greatly, when dry, to the Maintenance of the First.

The Dutch draw their Tierf from the Bottom of the Dikes or Canals which ran across most of their Linds; by which Means they not only fupply the Defect of Wood, which is very great in most of the United Pervince, but allo kep their Dikes clear and navigables: This Yarf Earth is very Balck. As they take it up from the Bottom of the Dikes, they spread it about the Edges, of such a Thickness, as may be reduc'd to three Inches when moderately dry'd.—

as may be reduced on three Inches when moderneity deptd.— In this Condition twice cut it may be loss or draft frience in the In this Condition three cut it may be compared to the driving, it yet been up in Heisey, and at laid in Stocks. In the North of Eughesta, Scotland, Ver. Twy or Per as it days out of this, month, remon Eurik, call'd Pars-May 1: They dig becommishly from the Surface, to the Depth of short but Fort, with a Speak, which at once falliness and the Condition of the Condition of the Condition of the three Gaure; which are given the Condition of the fall as a final as fixed on the Goronal to drain as fill as dug; and then fit up as end there or four against col-cition, for the Wind to both with the may and a list fixed color housed.

The Pits or Dikes in a few Years fill up again, and afford

TURFING Spade, among Husbandmen, is an Inframent us'd to under-cut the Turf, after it is mark'd out with a

wild to under car the Terfy filter it is marked on with a Trucking Pound.

TURKESCHNER, a Swelling or gowing nerged or TURKESCHNER, be fit young reader Shoos which Plants TURKNESS, be fit young reader Shoos which Plants CURKNESS, see Goardaws, See Go

Points.
TURLUPINES, TURLUPINI, a Sect of Hereticks, or rather of People who made publick Profession of Impudence, going naked, without so much as covering their Privy Parts,

eving to do with Women, like the Cynicks, in open Market. They call'd their Sect the Fraternity of the Post, and read themfelves over England and France.

present memeries over Legisms and Fronce.
They are faid by tome to have had their Name Turlupput,
quot est sausme kabitarene koca que lupis expejta expais.
They attempted to fette themsikve at Fariri in 1374, but
were a great Part of them burnt, with their Bookes, as is
related by Geggari and du Tille in the Life of Cartles V. TURMERIC, a Root us'd by the Dyers to give a yellow Colour, call'd in Latin, Curcuma Officinarum. See Dyene. "Tis yellow both within and without Side, very hard, as

if petrify'd, and not unlike, either in Figure or Size, to Ginger. — The Leaves it produces are like those of white Hellebore; its Flowers rise in Manner of a Spica or Ear;

and its Fruit rough like our new Chefnuts.
"Tis brought chiefly from the East-Indies; the' the Island
Madagascar does likewise afford it. — You are to chuse that

which is big, new, refinens, hard to break, and beavy.
Some People have miffakenly imagin'd there was a Native
red Tarmerie; their Errer was owing to this, that the
yellow Root, as it grows old, turns brown; and when pul-

"Tis much us'd by the Glovers, Sc. to dye their Gloves as also by the Founders, Sc. to give a Gold Colour to their Metals, — The Indians are it to dye their Rice, and other Foods, of a yellow Colour; whence fome call it Indian

Our Dyers don't find that it gives fo fleady a Yellow as the Lutcola or Greening Weed; but 'tis admirable to brighten and heighten the red Colours dyed with Cochineel or Ver-

million; as Scarlets, &c.

Turmeric is us'd in Medicine by Way of Decoction, Infufion, Powder, &a. with other Ingredients, in the Jaundice, Hypochondriac, Leucophlegmatic, and Cachechical Constitu-

TURN, is used for a circular Motion; in which Sense it coincides with Revolution. See Revolution.
Turn, in Clock or Watch Work, particularly denotes the Revolution of a Wheel or Pinion. See Wheel, Pinion,

200. In Calculation, the Number of Turns which the Pinion

In Calculation, the Number of Tarrar which the Plation with in one Tarrar of the Wheel, is commonly for down as a manner of the Carrar which the Plation playing in a Wheel of do, moveth round 12 times of Tarrar, which any Plation hash in one Tarrar of the Wheel of the Wheel Number of Tarrar, which any Plation hash in one Tarrar of the Wheel of Tarrar, which any Plation hash in one Tarrar of the Wheel Carrar which any Plation hash in a greater Diffusion e.g. is the Contrast wheel, Grown-wheel, Ifc. by multiplying together the Questions as in the Exempter of Tarrar wheel the Carrar wheel the Carr this Example:

# 5) 55 (11 5) 45 (9 5) 40 (8

The first of these three Numbers has 11 Torus, the next 9, and the last 8. If you multiply 11 by 9, it preduces by 9, that 14, in one Torus of the Wheel 55, there are 99 Torus of the Record Prints 5, or the Wheel 40, which runs concentral, or on the sine Arbor with the scool Prints 7.

If you multiply 99 by the last Quotient 8, it produces 704, which is the Number of Torus the that Prints 75

Turn is also us'd for the Sheriffs Court, kept twice a Year, esc. a Month after Easter, and within a Month after Michaelmas. See Surrier and Court.

Michaelmai. See Sittatpy and Court.
From this Court none are exempted but Archbifhopa, Bifhopa, Earls, Bitroos, Religious Men and Women, and all
fitch as have Hundreds of their own to be kept.
It is a Court of Record in all Things that petrain to it;
and is alfo the King's Leet through all the Courty, whereof
the Sheriff is Judge 3 this Court being incident to his

It is call'd the Sheriff's Turn, because he takes a Turn or

Circuit thro' rhe Shire, holding the fame in feveral Places. See SECTA REGALI

TURN-pike, a Gate fet up acrofs a Road, watch'd by an Officer for the Purpofe, in order to flop Travellers, Waggons, Coaches, &c. to take Toll of them, towards repairing, or

keeping the Rosds in repair. See Road.

Tunn-pike is also us'd in the Military Art, for a Beam

Turis-sible is also di'd in the Military Art, for a Beam Muchilal displace, too be jueld in a Gispa, Biette, for at the Eurrance of a Campy to keep off an Esony.

The Tarm field is a Spar of Timeler, was a Gasappara of the Campara 
Two of their failterd together with an Iroo Chain and Supple, fix lackes long, are of great Uic 10 flop the Enemy in the Breaches or identification. The Breaches of the Breac

Exercite, which the ancient Cavaliers used to perform, to flow their Bravery and Addrefs,

The first \*Turnaments\* were only Courses on Horseback, wherein the Cavaliers tilted at each other with Canes, in manner of Lances; and were distinguished from Justs, which were Courfes accompanied with Attacks and Combats with

Dianted Lances and Swords.

Others fay, it was a Turnament, when there was only one
Quadril or Troop; and that where there were fereral to
encounter each other, it was a fight but its extrain the Two
became confounded together in proceed of Time; at leaft
we find them fo in Authors. See Just.

The Prince who published the Lanuament, used to fend a

The Fennce who published the Zurustmust, wiled to bench a king at Arms with a fine Conduct, and a Second to will the king at Arms with a fine for a fine property of the second of the control of the second of the

Turnament, where, after thanking her very reverently, he saluted her, and likewise her two Maids. These Turesments made the principal Divertion of the XIIIth and XIVth Centuries. - Munifer thys, it was

XIIIh and XIVo Centuria. — Mangler üşe, it was Helmy ik Franker. Die de Sazenya dan direvanda Suprece, that if his interduced them; but it appears from the Cornelle and George Control of Promiti, about the Var redd.

From Frenze they pridit into England and Germany.—
Leging between the Use thereof from the Frank; and we find mention made of them in Learnenfane, Gruptic, and George Control of the Control of t

satisses: Allitears y exbens Gladianum, others Hierardises inhibitors, & Good, II excummanisated these does not to Humanisate, and tothed them family in his procession, and tothed them family in his procession, and tothed them family in his procession, and the satisfact of a valuation and created at a Time samester. Once Chromos, who had shifted as a Variantomet under Charley VIII, talk very lapping if in he in Eurose, if the contract Charley VIII, talk very lapping if in he in Eurose, if the variant in the Charles of the Chromosomethic Alliteration and the Education of the Education of which, the Name Bazzony, the Promotion of the Education, the Colours, principal ligarets, the Mantings, Links, hoppeners, (fig. on admirable heighteen).

Noe Anass.
In Germsony, 'was anciently a Cafforn to hold a foleran
Turnament every three Frant, to ferre as a Proof of Noise,
Iny, ... For the Gentleonan who had affilled at Two, was
fulficiently blazon'd and publish'd, i.e., he was acknowledged
Noise, and beer two Trumptes IV was of Gette on his Xurnament Cask. ... These who had not been in any Zurnament
And no Arms, though they were Candlemen, See Nozitiry,

TURNETUM, in our old Law books, a Duty paid to be Sheriff for holding his Turn or County-Court. See

TURN and SHERIF TURNING, a Branch of Sculpture; being the Art of fashioning hard Bodies, as Brass, Ivory, Wood, &c. into a round or oval Form, in a Lathe. See Lattie.

round or o'nd Form, in I Latine. See Lavrus.

"Termig it performed, by parting the Soldmane to be

street, and the second seed of the Soldmane. The second seed of the Soldmane, in Alexander of the Soldmane, in Clearmenderine thereof, can of all the Period

that is further of the sha, and makes the Outside of that

The Invariant of Throning appears not be very assent.

—Sozza, just the second of the Soldmane, in the Soldmane, in the Soldmane, in the Soldmane, in the Soldmane of the Soldmane of the Soldmane, in the Soldmane, in the Soldmane of the Soldma SCULPTURE.

The principal Inframents utid in Turning, beide the Lutte, are Cofficia and Mandred of various Femms 37 be Dipolytome-deemly fine utiles to the various Femms 47 be Dipolytome-deemly fine utiles their principal fine the Company of t

Strasbourg, &c.

Cont. 1816. "G. Fenner, that of Stateshims, that of Option, Cont. 1816. "G. Fenner, that of Stateshims, the ord option is fine, and that which gives the Denomation to all the rell, is a which River, buttering a little on the Green, very clean, and the Stateshims, very common in that Hinted, as alloin Option, and once little of Farner and G. Contillette, wery common in the Hinted, as alloin Option, and once little of Farner and G. Contillette, which without their Tallet or State, and C. Contillette, which then a strong Smell, a tendent of the Contillette, which has a strong Smell, as the common of the Contillette, which has a strong Smell, as the common of the Contillette of the Contillette of the Contillette of the Contillette of Parties, in History of Collection, the Contillette of Parties, in History of Collection of Parties, in History of History of Parties, in History of Hi

Face, chiefly in the Wood & Thlance.
That thowing assumily, call of the Passins, 26 jpn, is a
That thowing assumily, call of the Passins, 26 jpn, is a
That though assuming the Control of the Control
to 
The Turpentine of Bourdeans is white and thick as Honey
It does not coze from the Tree in the Manner it is fen Ingredients, is a white hard Sort of Roin called Galiper,

Ingredictions, is a windering of Strassbourg, Dautoic, Sc. is that most commonly used among us; and is preferred, by our People, to that of Ventee, which it is diffinguished from, by its green

The Uses of Timportine in Medicine, are innomerable.

The Uses of Timportine in Medicine, are innomerable.

This agreat Vulnerary, and very Detergent, and as factis preferribed in all Affecties and Ulcerations, 6%. It promotes Expectionation, and as such is preferribed in Distante
of the Lunga and Breast: Est its most flamous for clearing
of the Lunga and Breast: Sate its most flamous for clearing

of the Languard Beralt: But it is noted famous for clearing the Unitary Shings, and a steh performed in Offentions to Unitary Shings, and a steh performed in Offention Consideration of the Care of t

26. — To be good, it must be clear and white as water, of a fitting penetrating Smell, and very inflammable.

TURUNDA, in Chirurgery, a Tent; or any thing to be thrust into an Orifice or Cavity. See Tany, 26.

TUSCAN, in Architecture, the first, simplest, and most Massive of the five Orders. See Onnear.

The Infan Order takes its Name from an ancient People of Lysia, who coming out of Alia to people Tulkany, field executed it in some Temples, which they built in their new

Virrotius calls the Tufcan, the Ruftic Order; with whom agrees M. de Chambray, who in his Parallel, fays, it ought never to be ufed but in Country honfes and Palaces. M. le nevet to be uted, but in Country-house and Flances. We Criev adds, that in the manner Virtuvitis, Palladas and fome others, have ordered it, it does not delerve to be uted at all. Beat in Vigualis\* Manner of Composition, he allows it a Eeasty, even in its Simplicity; and fach as makes it provide to the provided of the country of the country of the not only for private House, but even for public Baildings, as in the Fizzasa of Squares and Marketes; in the Palagazines and Granatice of Cities; and even in the Olices and Jovenside and Jov

Aparements in Palaces

Apartments in Palaces. The 2 flows has its Character and Proportions, as well as the other Orders is but we have so mercine Measurement, to give any nyglest converge the consideration of the Character of the Efficiency of the Effect of the Effect of the Efficiency of the Efficiency of the Effect of Efficiency of the Effect of Effect of Efficiency of the Effect of Efficiency of the Efficiency of Efficiency of the Efficiency of the Efficiency of Efficien

Column, and fimpler, by the finall Number, and Largerels of the Moddings. See Model of the Moddings of the Moddings of the Moddings of the Model of the Model of the Model, wherein he is followed by Fognole, M. He Chev. Cle.—Spring only under it 21.—Palliant gives us one Tailean on trich; On which Sele Sameous is likewise faulty, Hence it, that that of Figurile, who has made the Order very regular, in most followed by the Modern Architects.

Sec COLUMN. Sec COLUMN.
Of all the Orders, the Tufesn is the most easily executed;
of sall the Orders, the Tufesn is the most easily executed;
as having neither Triglyphs nor Dentils, nor Modillions to
conflice its Intercolumn.—On this account the Odemes of
this Order may be ranged in any of the five Manners of
Virrousin, view. the Pienogliyle, Sifyle, Englyte, Dingyle and

THE VECCE MAY BE PROPERLY BY ANY OF THE WEST MEDICAL OF VIRTURING, USE, THE PROPERLY SEPTIME APPLIED AS A PROPERLY BY THE PROPERTY AND MEMBERS OF THE TUCKEN OF MET. THE PROPERTIES, C. C. CALITAL, BASE, PEDESTAL, FREEZE,

Foguration, to a Matters of Literature, a Term fire-graded widel in the Parale Triffetium Sunffects.—George-ty-Algebus Sunffects, are Disputations on feveral Topicks in Mosal Philosophy, which that great Author took Occasion of denominate from the Triffetium; a Country Seat or Villa, where they were compored, and where he lays the

Villa, where they were compored, and where he lays the Scene of the Diffuect.

They contain Five Books; the First on the Contempt of Death; the fectord of enduring Pain; the third on assuming Grief; the fourth on the other Petrustrations of the Minds; and the last, to thew that Vitrus is followed to a happy Life.

TUSKES or Tusks of a Horfe. See TREWER.

TUSSIS, in Medicine, a Corgb; a Difease affecting the Lungs, occasioned by a sharp serous Humor, velicating the Fibrous Coat thereof, and urging it to a Ditcharge by Spitting,

Ec. See Lungs.

Fibona Chart hereos, and using an teal lifecture by objecting.

When the Hames is 6 fibility, that the Lauge cancel it is that the hame in the fibility had of it, so throw it off, or when the Hames it is 6 thick. But the hames in the hames in the hames in the had off, and the hames in the fibility of a global many in the hames in the hames in the hames and little, and the hames of hames in the hames in th

one of those Tutelery Angels attached to his Person, to de-fend him from all Temptations; and 'tis on this, principally, that their Practice of invoking Angels is founded. that their tractice of invoking Angels is tounded.

F. Anthony Macodo, a Partiagnese Jedin, of Comimbra has
published a large Work in Folio, on the turckery Saints of
all the Kingdoms, Provinces and great Cities of the Christian
World: Divi Turckers Orbis Christian, at Lisbon 1687.

World: 20th Tuttages Orbit Congruence, at Indian 1001.
See Parrent, Sairx, Ed.
TUTOR, in the Civil Law, is one chose to look to the Person and Estate of Children, left by their Fathers and Mothers in their Minority. See GUARDIAN, MINOR and

DEEDTY. By the Cufforn of Normandy, the Father is the natural

Tester of his Children, — A Person nominated Timor, either by Testament, or by the Relations of the Minor, may decline that Office, if he have Five Children alive; if he have efine dua Chile, if he have Five Children airus, if he have any orher condicebrel Visturery a jih be be ander ay Years of Age; if he be a Print, or a Regent in an University; if he have any Law Saint with he Blumar, Cf. See Green and the Age and Turon is also used in our Universities, for a Member of

form College of Hall, aboutable on the the intracting young contrast on the Nation of Pacifics. TLTORAGE, Tevrata, in the Cril Law, a Term equivalent to Guardianhy in the Common Law, signifying an Office imposed on any one, to the care of the Perion and Effects of one or more client, are three Kinds of Titterage, "The Officements," which is appointed by the Law of the College of the College of the College of the College Telliment: The Carel, which it appointed by the Law of the care of Relation, and the Omtree, which is appointed by the Law of the College of the College of the College of the theory of the College of the College of the College of the College of the theory of the College of the College of the College of the College of the theory of the College of But in all Caftomery Provinces, as France, &c. all Tutor-sger are Dative and Elective; and though the Father have

by Tellmont, cominated the next Relation to his Tuyli, the Tuyling of the Color to 
It is found adhering to Rolls of Earth fulpended for that Purpose over the Furnaces of the Founders in Brass, to re-ceive the Funes of the melted Metal. See Brass and DERY.

Turty is now brought chiefly from Germany. Anciently

"They is now brought childly from Germany. Anciently it came from Marchael." To present the Yatry for Unit, they hear it red Hest three for the Yatry for Unit of the Yatry for Unit of the Yatry for Order in Reference in Then they gried it on a Pupplys Goor, miving with it as much Reference, and that dyit, they will be in the Watry of the Yatry for the Yatry for the Yatry for they make it is not in the Yatry for the Yatry for the Yatry for they make it is no Difference in the Yatry for th

Unguent

Ungarent.
In the London Differnatory, it gives Title to a Composition called formment of Tinty, good for Eye Difeaso, and frequently side by Surgeons with other Defectatives to cicatrize Ulects.—Tis also good in the Hemorrhoids.
TWA-Night-Offee, in our ancient Cathoms. See Third in the State of the Cathomy of the Cathom

If the Time-Nights-gefte did any harm to any, his Hoft was or answerable for it, but himself. TWELF-Handous, in our ancient Customs, the same with

TWELP-Hysovis, no sea sacient Calloons, the time with Thomas. Set Thankonsi, every Man was valued at a extrain Frier; and where as lipsiny was done, either to the Ferfon or Goods, a permitary build was imported, and paid performed to the season of the season of the season of Quality of the Retino to whom it could be not be well-ally the season of the season of the season of Man were ranked in three Classics as hids fee in Hiterathat. Those who were worth 2 not a twee feelled Toney disand, and if an Islam was done to them, Satisfaction was to be made accordingly.

and if an Injury was unade according to the Epiphany, TWELFTH DAY or Tide, the Felival of the Epiphany, or the Manifelation of Christ to the Gentiles is called, as being the Twelfth-day, exclusively, from the Nativity or "Iwitimalf-day," See Epiphany.

as being the 2 energie-ray, excusively, from the Naturiy or Christian-Law, See Exprissive. To 6 1 Sea, excusing to the Cklender Months. Sex Yana, and Monyru. TWELIVE MINS, Domacine insuinist Legalet, otherwise called the Jury or Legalet, is a Number of Trainer Perforance or passed to Themy-four y by whosh G this, as to Month or Fact, all Trials path, both in Civil and Chrisniat Cales, or Fact, all Trials path, both in Civil and Chrisniat Cales, The Christian Cales of the Common Law in the Realin. See JURY and TRIAL.

JUNE and TAIAL.

In Civil Case, when Proof is made of the Matter in Quellion, the Point of Fact, whereon they are to give their Verdick; it delivered to them; subtic is called the fiftee.

Then they are put in mind of their Oath, and are by the Judge farming the Evidence, feer our of Ceart by them; they are to confider on the Evidence on both Sidee, till they be agreed.

In Caufes Criminal, there are two Sorts of Inquests: One called the Grand Inquest, the other the Inquest of Life and

Exests.

The first is so called, because it consists of Sixteen Persons at least 3 or because all Causes Criminal or Penal pass through their Hands; whereas the other Inquest is especially appointed for one or more Matters. Those of the Grand Inquest are call'd by Braston, duedecim Milites, because they were wont to be Knights; if so many

could be had

could be had.

Their Faudion is to receive all Preferments of any Offene, and accordingly to give their greetal Opinion of Preferenters, which is an Indifferent of the Piper in thill of or citle Remember; which is a Indifferent of the Piper in the Piper of the Remember; which is a dealbring of the Fall preferred. See Engowermer; which is a dealbring of the Fall preferred. See Engolary and Indiport MENN.

THE ALLOWING IN IN SECTION OF THE SECTION OF THE PART OF THE SECTION OF THE SE

ling or froughing it a recome these. Our extension were Men Tall-Hinds, among our Skenn Ancedors, were Men valued at 20.1. See Tarktyrindry. Thefe Men were of the lowest Degree; and it finds were killed, the Multi was 10.3.—Thus in Leg. II. 1.6,9. de Twibindi bominis interficil, were debet redu fecundons

by cm. — Where, Nuc, that this is use as instrubables of a case. Law, but a Communication of the Chi, made in the Stringer King, Physical Chicago, and Law, but a Communication of the Chi, made in the Stringer King, Physical Chicago, and Law Stringer King, and Chicago, and Law Stringer King, and Chicago, and Law Chicago, and Chicago, an

Specific Strain 
CARLE, Oc. Twist, is also used in Architecture, for a Piece of Timber,

otherwise called a Girder. See Girder.
Twist, again, is afted for the Infide, or flat Part of a Mao's
Thigh, upon which a true Horfeman rests when on Horfeback. See Throm.

Thigs, apons back. See Triton.

To Turser a Horfs, is vidently to wring or rariff his Tellicles twice about, which causes them to dry up, and depoives them of Norrithment, and reduces the Horse to the fame State of Impotency with a Gelding. See Geznthe

1MG.
TWISTING of Silk, &c., fee Silk, &c.
TYCHONICK Syften, or Hypotylin, is an Order or Arrangement of the heavenly Beddles, of an incremediate Nature between the Opteniens and Prelamate, or participating allke of them both. See Svery. Brake, a noble Dent; of whom foune Account is hereafter given, under the Article

Whom some Account is necessare given, usage the Arouse URA MASSOORG.

In this System, the Earth is, with Prolomy, placed in the Middle, and fupped'd immovesable; and the Sun and Moon to revolve in Orbits, respecting the same as a Centre: But to revoire in Orders, respecting the same as a Centre's But-the other five Planets are fuppood, with Coferences, to re-volve round the Sun as their Caure. — So that the Orbits of the three fuperior Planets include the Earth, but not those of the inferior cores; by reason they are nearer to the Sun than the Earth is.

that the Batto M.

Accordingly, the Heavens are here furpool to be fluid; and to confilt of three different Orbs or Spheres; the fifth moveable, furpool to make a Revolution in 24 Houts; the fector the Sphere of the Planes; and the third the Firmanica, or Region of fird Stars.

See the Office of the Starts.

Second the Spiece of the Planes, and the third the Fran-men, or Region of first dearmously plant in this Spiene, Spiece of the Spiece, Spiece of the Spiece, Spiece and Spiece, Spiece of the Spiece, Spiece, Spiece with the Planesment and the Planesian Spiece affects (Spiece with the Planesment and the Planesian Spiece affects). Notice of two Contracts, one of them movedship of a the Spiece with the Planesment and the Spiece and the spiece of the Spiece and the Spiece and Spiece and the spiece and the other field, the Burts is have through an armount of the Spiece and Spiece and Spiece and Spiece and Spiece also, and Spiece and Spiece and Spiece and Spiece also, and Spiece are Spiece and Spiece. The revenue of the the Spiece and Spiece and Spiece and Spiece and Spiece and This Spiece are spiece and the Spiece and the Spiece and in the Books, Get I Spiece, year new property, at a Manual Contract and Spiece and Spiece and Spiece and This Spiece, dead and burst in a Kite, like a Brick, and within in the Contract of Health, Spiece, and Corrations.

Tegnic.

Teg

There are various Kinds of Tyles, for the various Occa-fions of Building; as Plain, Thack, Ridge, Roof, Creofe,

Thickness with the Frant Type!.

Hip or Court Type; are those which lie on the Hips or Conners of Roofs. — As to Form; they are first made star, like Plain Tyles, but of a Quadrangular Figure, whose two Sides are right Lines, and row Each, Arches of Circks, one End being a little Concre and the other Convex; the convex Feel of the Arches Seen Simus of North Start being a limit Communication and the control of Circles, one End End by the Archive Hand the other Convex a five convex End to the three Convex as five convex End to the three world by Triangular, but that so Communication and Monda, breaddownife, like Right Tribe. They have all the at better care and the control of the Conversation and the Con

Gutter Tyles, are those which lie in Gutters or Valleys in Croisbaildings. — They are made like Come Tyles, only the Corners of the Frond Ed are untered back agains with 1800 Wings. — They have no Holes in them, but are laid broad Ed do without any assisting. — They are made in the fame Mould as Corner Tyles, and have the same Union-silent on the convex Side. — Their Wings are each a Jeches broad on the convex Side. — Their Wings are each a Jeches broad on the convex Side. — Their Wings are each a Jeches broad on the convex Side. — Their Wings are each a Jeches broad on the convex Side. — Their Wings are each a Jeches broad on the convex Side. — Their Wings are each a Jeches broad on the convex Side. — Their Wings are each a Jeches broad on the convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches broad on the Convex Side. — Their Wings are each a Jeches Broad on the Convex Side. — Their Wings are each a Jeches Broad on the Convex Side. — Their Wings are each a Jeches Broad on the Convex Side. and 8 long-

and Is 100g.

Pan, Creeked, or Flemiß Tyles, are used in covering of Sheds, Lean to's, and all kinds of flat-roofed Beildings.—
There are in Form of an oblons Parallelogram, as plain Yyles a The process of the pr

— Of the Tyts there are two Kinds; the triangular Piect, in form, duading on the right, in others on the left Side of the plain Tyte. — And of each of theft, again, there are two Kinds; feme having a whole plain Tyte, others but half a plain Tyte. But in them all, the plain Tyte has two Holes for the Pius, at that End where the bread End of the triangual.

to the rus, at that had where the orean and or are triangu-lar Piece flacid.

Their Ufe is to be laid in the Gutters, betwist the Roof and the Checks or Sides of the Dormars, the plain Part lying on the Roof, and the triangular Part flanding perpendicularly by the Check of the Dormar, — They are excellent to keep on the Kood, and the estangular Dart Handling ierencialcularly con the West in the Pitch and the Handling ierencialcularly content by the in the Pitch and the American State of the Pitch and the State of the State of the State of the Pitch and the State of the State of the Pitch and State of the State of the Pitch and State of the State of the Pitch and State of the State of the State of the Pitch and State of the State of t

anches cone.

But both Kinds ferm to be made of the fame whitift
Gily as our white gined Earthen Weet. — The needers case
of the cone white gined Earthen Weet. — The needers case
it that the cone of the fame of

ther; which the modern Heralds more usually call the second or third House. TYMBER of Skins, is the Number of forty Skins. Sec

TYMPAN, or TYMPANUM, in Architecture, the Ground or Area of a Pediment; being that which is in a Level with the Naked of the Freeze. Or it is the Space included between the three Cornices of a triangular Pediment, or the two

eveen the time Common of a findingular Fediment, or the row Commisco of a circular one. See Favintians Pars RIC with an Iron Lattice to give Light; 2 and functions it is certified with Sculpture, in Bas Relief, as in the Welf Prott of St. \*PomPs, in the Temple of Cafeer and Pollute at Naplet, 26:-\*The Weed I'vara as is also under for the Pars of the Cafeer Like the Trimb or Light. See Prince Latt. See also Drs. There are also given by the Cafeer and Parties and the Thors are again given; is fall outstanded to the Pamets

"The Ass, among Joyens, is allowarisement to the remote of Doors, Ber Manner.

The Isan, among Printers, is a Frame belonging to the Perti, covered with Enchmont, on which curry Shore is represented by the Pertin of the Pertin

The Tymbanites is a Species of a Dropfy; but what the Caufe and Scat of the Discase is, or what the morbific Mar-ter is that occasions the Tumor, Physicians are not at all See Dropsy.

agreed. See Doorw.
Wind certainly makes a principal Part of the mothld Maters but thin is fance ever found without Water, excepting at the Bignings, of that force will not allow of any Difference Serveren the Typuthens and the Affairs.

France Serveren the Typuthens and the Affairs and Part of Typuthens.

France Serveren the Affairs and Typuthens and Serveren to it with common Afra, corrupting the Parts.

But this Brechmen makes a practicular Kind of Typuthensies or Wind Dworly and adds, that it is cared like the Affairs or Water Dornly, by Typuthen Ge. See Tararus.

Afther or Warer Derofty, by Tapping, 56: See TAPPEN OF CHES WHEN THE STATE OF THE S

fwells them exceffively.

Juesia them exectively.

This âli, always carryd into those Parts with the Fond, maintains a kind of Equilibrium therein; opposing, on the one Hand, the too great Prefure on that long Canal when empty of Food; and finding, on the other Side, in the Spring of the Coats of the Somends and Intellines, an Ob-

Spring of the Colon of thomas, we tree court Date, in the finetic explicit for presenting issue or pert. Dilutation. If this Papilliciam chines to be defleved by the frist-tion of the Plave, whole Spring in the Cele presults over downwards, or both \* (whence Belching, Ge\*) But if the Equilibrium cone to be book by the Prove of the Air, re-fedible of the Cele Prove of the Air, re-fedible of Spring, from the Blood's being importable stress less Springs in that Gelf, the Air, striping infell beyond Medium, before the Cele Province of the Air, and the Cele Province of Spring, cone of the Wind Gelspe, (there they the Aim, or by the Meant, which with the best period by M. Merry Gloves the Paradoc hast. A careful not the

those Fastages '
M. Mery folves the Paradox thus: According to this Theory, the Fibres, both of the Stomach and Inteffines have ledtheir Spring, at leaft in Parz, and are in an imperfect Pality;
but the Winds evacuated either by the Anus on Mouth, are
Winds which those Vifecas expel out of their Carrittes, by

parting them in a Store of Controllion capable of immoust-ing the Funce which eppol the Egreti of the Matters con-trolling the Controlling of the Controlling of the Controlling of the Controlling of the Storesty, and the other the Amas: But parisjute Viferen, i.e. Viferen delittue of Spirits, in which alone conflits the Strength of the Mut-ches, termet overcome the Refillance of thole two Visicles a Whence the Winds, therefore, cannot eclept they is a full

Out-time.

The Typothesia surely kills of iteld; but frequently deThe Typothesia surely kills of iteld; but frequently dethan allevine it; Anthylpricts, Antifortheticks, Chaipbest, and Strengthesia are of uit, before it be fillen into a
Africa. Equal Quantities of Deck and Elite; Eureen incide
of the Typothesia of the Chair of Elite; and the Elit,
Tits shall to apply Coministries to the Elit; as the Emmitted with Cohrects, Duraries, get, brismally. But if
the Difficial proceed from a Paralytic Cauft, defiringling the
rectifying of Paralytic Diffords, white the Tradition of the
Fiftee its indictions, will doubleds for the first Rection be
TYMARANG, wayman, Zhoung, a medical Influence.

TYMARANG, wayman, Zhoung, a medical Influence.

TYMPANUM, pytestry, Drum; a mutical Infirument, which among the Ancients, confifted of a thin Piece of Leather or Skin, stretch'd upon a Circle of Wood or Iron, and

ther or Skin, firetch'd upon a Circle of Wood or Ico, and best with the Hand. See Dauss. TYME AREM, TYSFAN, in Mechanicks, is a kind of Wheel plac'd on an Axis or Cylindrical Beam, on the Top of which are two Levers or fixed Starse, for the more cafy turn-ing the Axis about, in order to raife a Weight requir'd. See Witer.

The Tymponum is much the fame with the Peritrochium; but that the Cylinder of the Axis of the Peritrochium is much shorter and lesser than the Cylinder of the Tymponum.

FOR PRIVATE AND COLUMN TO THE PROPERTY OF T

to mare it; fach as that of force Genes, Calindora, Efe. See William Committee of the Commi

it, of only two or more Lumeller.—It has a Perforation, or, as leadt, a dilengaged Part, which admits of the PRidge of Wind, and, in fours, of Smook from the Mentus a Palsto. Behind it is a Carity of the Oo Petrofum, acall 4 Tynspansor Canists, and by forme firmly Tynspansor wherein are four little Benes, evin. the Malledat, Laurs, Stapes, and Os Orticular I Which fee under their respective Articles, Malledat, States.

cutter: Which the under their religions, ATRICES, MALKES-UN, Eff..
Within the Cavitest Tymponi, Vesifiers has diffeoved a very fine thin Membrane, kerning to that the Door of the Labyrinth, and prevent the internal.—The Administration with the external.—The Administration of the Communication with the control of the Topic on its internal area of the Communication 
The Tymphysisum, Dr. Willis takes to a kind of prepar-tory Infrarest to Hearing; and its Office to be to receive the first Inspections of the Sound, or the finitive Species, and to convey them duly modifyed and proportion d to the Senti-

to convey them shally modifyed and proportions of the Senfo-lian Office, in relate, with explicit to the Senfo of Hermits, from no to the finner as that of the Pupil of the Eye with, regard to Senior, I shall of them prevent description, and the senfort of the Pupil of the Eye with, regard to Senior, I shall of them prevent deliver them, as the work, commonliants to the Senfory; upon which if they thought fall immediately, there might be gar to point in de-termined the senforce of the senforce of the senforce of the theory of the senforce of the senforce of the senforce of the The Fynonleams, it's true, does not here, but it contributes to a Beneric March, it is conflictly in Exercisin flowed, the the Pupil, be commoded and related on Occidence, and so which provides the senforce of the senforce of the senforce of the pupils of the senforce of the pupils of the senforce of the senforce of the senforce of the senforce of the pupils of the senforce of the pupils of the senforce of the senfor

purpoff füre übe faur little Bons above montlen'd, which have the finen Ube in theirings und relaxing, as the Brazil of the Wile Dum have in that influencest.— By most of this proper of the way to be a second to be the proper of the brazil of the Brazille of the Brazill

of a Dog, yet it did not deftroy his Hearing; the for fome time afterwards he received firong Sounds with great Horror: He adds, that Mr. St. Andre sHur'd him, that a Patient of his had the Tymphonum deftroy'd by an Ulcer, and the Au-ditury Bones cuff our, without deftroying his Hearing. TYMPANY, or TYMPANYER; in Medicine. See TYM-

TYPE, a Copy of a Model 4 or a Figure or Character ther engraven or printed. See Model, Characters, &c. The Term Type is less in use than its Compounds Pracetype and Archetype, which are the Originals that are made without Models, See Pagroryre, Oc.

whost Models, See Parvarra, &c.,
The Weal is formed from the Greet, w=C., Figure.
Type is 466 a School Term, much stell among Drime,
Type is 466 a School Term, much stell among Drime,
Type is 466 a School Term, much stell among Drime,
I talk Seeds, be Weel is commonly det with relation to
Antitype, semmely, which is the Thing itself, whereof that
itself is the term of the transport of the Thing itself, whereof that
Thing defined School, Seef, C., Golden Limb, E.G. were
Type or Figure of our Redemption in The Brases Seepne
which the Nature of Things for one foot between them; nor arbitrary lunguage arting generally chome is called Redemption
and arbitrary lunguage arting generally come in Called Redemption
and Antitype I the School and the Company of the Company
and the School arting the Company of the Company
and the Compa

Inflitation of God to make a Zyfys a particular Declara-tion of has that it also as bifurcia and propheration.— Pla-field are those as the propheration of the first are those used by the Frephera in their Againtons and Viffens: The Economy, the Commonic Inflication and Viffens and the Control of the Thing doos, or Core-monics inflicated in the Old Technology, predigent Chiff, or The associar Habers, as well as the modern Griffich, have been greatly divided about the Nature and Ulfe of Tyfes, and makes one of the great Difficulties in audientically file success prophera, and in reconciling the new and old Telamore to-getties. See Paperature.

gether, See Profitary.

There is no denying but that there were Types which the divine Wildom inflitured to be the Shadows and Figures of Things to come; and yet Popole run into an Excels that Way. Some looking for Types in every thing; ilke Organ, who diffeover'd Mytheries in the very Caldrons of the Tabernack.

— One should be contented with the more femilie and obvi-

different Myfetters in the very Caldiners of the Theemeds—
One fload the contented with the more femilies and observapoint of the content o

— This musified, there were many under the Odd 'Celement, field were Zoelem's Owers, Beaury and Banda, 4, 3t, 7t, 6th and were Zoelem's Owers, Beaury and Banda, 4, 3t, 7t, 6th ware his Celellem, 9, 4, 6.— The Prophete dright'd by their to perfigure fundament Ferent, 1s in their Indiances the made to understand at much, and not let'r to his our Con-cluders about them, after the Zerosta are over no registed in effect, all that is arged from Sorpheum Glein, and the concurrence of the Celement Violence to the Rared Text which may be explaind on more smartly and intelligent of the Celement of the Celement of the martly and the Celement of the Celement of the Celement of the Celement of the martly and the Celement of the Celement of the Celement of the Celement of the martly and the Celement of the Celement

with Grammer. See ALEGORICAL.

The Word 7100, we have obleved, literally denote so more than a Copy or Imprellion of any thing; and accordingly, in our Translation, we find it fometimes render'd by Frint, fometimes by Figure, foractimes by Fastion, and

fometimes by Form: --- Hence, also, the Word is figuratives

formetimes by Jermi:— Hence, alfe, the Word is figurative, by applied to denote a moral Hatters; in which Senne is figurative, year by a price to denote a moral Hatters; in which Senne is figurative.

Again, the Word en/flow<sup>2</sup>, in Scripture, figurifies any thing form'd according to a Model or Fastern; and thus in the Eprille to the Hatters, the Tabescate, and Haly of Holies being made according to the Pattern flown to John's and Haly of the Hatters of Holie being made according on the Parten flivers to Mafej, are stift due to Marijot or Sparce of them had y Face. — In the like Senfe, St. Peter Speaking of the Flood and the Art, whereby Eight Petrols were favel, calls Baptist and Marijot thereto by which he expected so more than a Marijot thereto by which he expected so more than a Marijot thereto by which he expected so more than a Marijot thereto a solution of Communication.

The other Words and on Scriptone to imply a faunt removed by imministrational Example, call the Section of Communication of Communica

Thistaff Word is frequently used by 5t. Yant, and appuse to the fewilp Law, Certmonies, Prieti, Etc., which are represented as only 5thadour of Things to come, or of harvedy Things. This from fach penetral Expertitions, that Propile were led to mittake the Apolited Defigo in their Comparisons, and to affert, that all the Middle Rites were Type of, or design d to figurify future Evenus; and that the Gosfrel is to be found in the Pentateach. — Whereas St. Paul's intent appears no other than to shew the great Advantage of the Gospel over the Law in several Particulars, wherein it has as much Pre-eminence as the Substance has over the

ne conte no not negative l'emploem. — No fich declarat Prefiguezione ne neuvoired in les Viginges de la CAT Julia refreguezione ne neuvoired in les Viginges de la CAT Julia ubo immedianté follosed. — Tir genned, dus the Apollies arguer fonn de Norte en ne Algolie inflictions la sit a para-guezio fonn de Norte en ne Algolie inflictions la la company de la company and la company

Consus prefigured the Keil mensioned by Devel in the 
This sill equally intriby, that all the Globous Errors is 
the solitom Coarfe of God's Government, finally to our 
preceding one, were defigured to the prefigured in the 
preceding one, were defigured to the prefigured in the 
This in the finer manner or as ere to understand for 
was Vysical of the Ref. of Contilians,
"This in the finer manner or as it to understand for 
where he fine," "That Coarfi our Inflores is destricted for 
the cells our Sarione the "Lambed God," "There was its 
Similarde of Circumstances, that Christ was filled on 
the cells our Sarione the "Lambed God," "There was life 
Similarde of Circumstances, that Christ was filled 
to the cells our Sarione the "Lambed God," "There was life 
that sate a Beade Lamb was without Blenth, to was 
the Appelle applied the Term Poffsor to Christ.

Thus, alfo, are we to account for what St. Speel cell and 
Beguitm of the Children of fined in the Cloud, and in the 

Exp. of the Children of fined in the Cloud, and in the

### TYT TYP 270 ]

Sea; and for the Comparison betwirt the High Priest en-tring the Huly Place every Year, and Christ entring into

Heaven. See QUOTATIO

Heaven. See Quovarroin.
Trrs is sids a Name given to an Edick of the Emperor
Confloar, publish in 64,6, to impole a general Slince both
Tre Eyis on it is Original to First Particuto for Confloar
Tre Eyis over it is Original to First Particuto for Confloar
tionsfe, who perituded that Emperor to take away the Edick
compiled and bong up in all the public Pleate by Hencher
(so occidening great Compilates from the Orthodos, by its
Original Confloar Confloar
Confloar Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confloar
Confl

poß Silience on both Partici.

But fich kinds of Pacifications are held inexcufable in
Matters of Religion; accordingly Prop Triesium fore promind in the Council of Rates in Lag, and condemned 4; and
an Anotherna pronounc'd against all fuch as admitted either
the implous Elefan of Tyles. Soc ECT 211.

It had the Name Tyles, as being a kind of Formulary of
high per nature a Faun whereom Mon were to regulate their
only the person of the proposition of the property of the person of the person of the person whereom the owner to regulate their pose Silence on both Parties.

Faith to cratific a visit in sometimes also used for the Order ob-ferred in the Intermission of Pulses, Fevers, &c. See Pulsa and Favan. TYPHOIDES, in Medicine, an ardent or burning Fever.

See Fyvan.
TTPHOMANIA, in Medicioe, a Dicide of the Brein, where the Period of the Brein of the

Coma

The Word is form'd from the Greek, wood, Smook, and

Madness μανία, Madneis.

TYPOGRAPHY, the Art of Printing. See PRINTING.

The Word is torm'd from the Greek, πους and γραφε, βετίβ-

tera, Writing,
TYRANYI, TYRANNUS, among the Ancients, denoted
fimply a King or Monarch. See Kines and Monarch.
But the ill (10fe feeral Pertiens invelted with hat ficred
Charakte, made of is, has alter'd the import of the Word;
and \*Yystar tow carries with it he Idea of an upflar add cruel
Prince, who invades the Pooples Liberry, and rules in a more
-finant Manner than the Laws of Nature or the Country do

depotic paramet than the saws on Passare the colors of the Albow of.

The Term Tyran, we are told, became odious among the Greist, those zealous Lovers of Liberty, almost as foon as introduced? But Dounting aftires us, it was sever taken to among the Romanu till the latest Ages of that Emperature T.R.R.A. Sev. Proceedings.

T.R.R.A. Sev. Procedure.

Nucleight of Amoreo.

Nucleight of Amoreo.

TYROCINIUM, TYROCINY, a Novitiate or Apprenticeship in any Art or Science. See Novice and Novi-

TIATE. We have feveral Writings under the Title of Tyrociniums: Tyrocinium Osymicum, Tyrocinium Chirurgicum, &c. con-taining the Rudiments of those Arrs, accommodated to the

Apprehensions of Beginners.

The Word is form'd of Tyro, a raw, fresh-water Soldier,
TYROSIS, in Medicine, a Coagulating or Cardling of
Milk in the Stonach; after the Manner of Cheese. See

CURDLING and COACULATION.
The Word is form'd of the Greek, Tuy D., Cafetts, Cheefe.

TITH, or rather Tithe. See Tithe.
TYTHING and TYTHING-Men. See Decenna, TenMENTALE, HUNDRED, WAFENTARE, GG.



## VAC

THE twentieth Letter in the Alphabet, and the fifth Vowel. See LETTER, and Besides the Vowel U, there is a Con-forant of the same Denomination, wrote

forms of the fame Denomination, wrote or U. Sec COMMONNAY.

The Pronunciation of the U, as now used among the Estimate of the U, as now used among the Esting the French & Ec. is borrow'd from the antient Ganilly or all the other Western People, with the Roman, pro-V is also a Numeral Letter, and fignifies five; according to the Verfe,

### V, vero quinque dabit tibi, si recte numerabis.

When a Julia was added one, V<sub>1</sub> it fignified onco. When some the Observation VI, a tempt when the Observation VI, a tempt which was the Mark of a You, or Suffrage for the prilling of a Law. See Rocearry local flow. WACASCY, or Yaccuse, in Fallolophy, an empty law YACASCY, in Law. See Rocearry local flow. YACASCY, in Law. See Rocearry local flow. YACASCY, in Law. See Rocearry local flow. The Committee of the Co

Devolution is a Species of Canonical Vacance. See Dr.

VACANT Effetts, Predis Vacus, are fuch as are abandon'd for want of an Heir, after the Death or Flight of their former Owner. Soc RESIGNATION, 6%.
In our Law-Books, Vagantes Terre, for Vacantes, expedite forlaken or uncultivated Lands.

preficit fortaken or weiteristed Lands.

A Beneficie is failed to be seatent, in Curria Rumana, when
A Beneficie is failed to be seatent, in Curria Rumana, when
the seatent seatent seatent seatent seatent for the
third between the seatent seatent for the
third between the seatent seatent for currian
VACATION, Non-Strum, in Law, is all the Time, reflectlively, included between the End of every Term, and
the Begranting of the next fuenceding one. See Tasm, and Non-TERM.

This Intermission was call'd by our Ancestors Pax Dei, and Ecolosis; and sometimes the Times or Days of the

King's Peace.

King I peter.
Among the Romans, it was call'd Jufitium, or Perie,
or Zhir Mighl. See Dava ; lee allo Farrus, or other Spititual Perion, till the Billsoprisk on other Spititual Perion, till the Billsoprisk on other Diparty be frapitell
by another, is also call'd Vesetine. See Peterske be
Gleeve, is his Orteinen, meetions a Law, whereby the
Friells were exempted from Service in all Wars, except only
Friells were exempted from Service in all Wars, except only

Vacationes VACUUM, VACUITY, in Phyficks, a Space empty, or svoid of all Matter, or Body. See Space, and Mayrea. Whether there be any fach Thing in Nature as an abfo-

Whether there be any Inch Thing in Nature as an abboute Vacanum, or whether the Universe be complexely full, and there be an absolute Vacanum; is a thing has been convocred by the Philosophers of all Ages. See PLENUM.
The Antients, io their Controversites, distinguish two Kinds; a Vacanum Concervatum, and a Vacanum Enterfeetfum, or

Diffeminatum.

Vacuum Concervatum is conceiv'd as a Place defittute of Matter: Such, e.g., as there would be, should God annithilate all the Air and other Bodies within the Walls of this The Existence of such a Vacuum is maintain'd by

Pythagoreans, Epicureaus, and the Atomifts, or Corpulcu-larians, most of whom affert such a Vacuum actually to exist with-out the Limits of the sensible World. But the exatt with-our the Limits of the tentible World. But the modern Corpnfendarians, who hold a Vacuum Cascrossium, deny that Application; as conceiving, that fuch a Vacuum must be Infinite, Eternal, and Uncreated. See Universar. According, then, to the later Philosophers, there is no Vacuum Cascrossium without the Bounds of the Infilite World.

World; nor would there be any Vacuum, provided God should annihilate divers contiguous Bodies, than what a-

## VAC

mounts to a mere Privation, or Nothing: The Dimensions of such a Space, which the Antiena held to be real, being by the'c held to be mera Negation; that is, in sich a Place, there is 6 much Length, Breadth, and Depth warning as a Body must have to fill it. To suppose, that when all the Matter in a Chamber is anothlined, there should yet be real Dimensions; is to suppose Corporeal Dimensions without Body, which is absutd.

The Cartesians, however, deny any Vacuum Conternation at all ; and affert, that if God should immediately annihilate all the Matter, v.g. in this Chamber, and prevent the lagrels of any other Matter, the Consequence would be, that the of any other Marier, the Confequence would be, that 'the Walls would become contiguous, and include to Space at all. They add, that if there be no Marter in a Gamber, the Thigs belig fixed to be consiguous, between which there is not any thing intermediate: But, if there he to Body be-tieven, there is no Extention between, Exacting and Body being the fame thing; and if there he no Extention be-tween, they are the Walls are contiguous; and where it he Fa-pison; the "Walls are contiguous; and where it he Fa-pison; the "Walls are contiguous; and where it he Fa-pison; the "Walls are contiguous; and where it he Fa-pison; the "Walls are contiguous," and where it he Fa-

But the Reafoning is built on a Miffake, wis. that Body and Extension are the fame thing. See Extension, and SPACE.

Vacuum Diffeminatum, or Interferfum, is that suppos'd to be naturally interfers'd in, and among, Bodies, in the Pores of the same Body, and in the Interffices between dif-

Fores of the same noay, and in the Interistics between air-ferces Bodies. See Poas.

"Its this kind of Vacauss which is chiefly disputed among the modern Philosphers: The Corpspendarians thremoutly affecting it; and the Peripateticks and Carteflans as fittilly impugning it. See Correscutar, Cartesian, &c.

The great Argument the Peripateticks urge against a Vafcon to move contrary to their own Nature and Inclin

feet to more contrary to their own Nature and Incilination; and fee no other sperim Resfen, but to revold a Formus, whether they conclude, that Nature there is Paternam; and other they conclude, that Nature there is Paternam; and the Paternam; an UPPING Glaß, &cc.

The Cartefisms deny not only the Actual Existence, but even the Possibility of a Vacuum: and that on this Prin-ciple, That Extension being the Effence of Matter, or Body, cipic, That Extension being the Effence of Matter, or Body, wherever Extension is, there is Matter: Bu mere Space, or Vacuity, is supposed to be extended; therefore it is material. Whoever denies an empty Space, conceives Dimensions in that Space, i.e. conceives an extended Subitance in it; and therefore admits a Vacoum, at the same time than the admits it.

that he admits it.

On the other hand, the Corputator Authors pover, not only the Polibility, but the Adval Enthence of a Fronton, from diver Conditionations periodistry, from the Conditionation of Assists, in general, and that of the Pilmett, Godernation of Assists, in general, and that of the Pilmett, Godernation of Presidents, from the Adjected Specific Gravities of Periodical and from the Divigility of Matter than Part of Assistance of Assist

This is what Lucrettus urg'd long ago, Principium quo-niam cedendi nulla daret res-undique materies quomam

The Force of this Argument will be increased from the

ane rocce of this Argament will be increased from the woo following Confiderations, one. first, that all Motion is either in a trait Line; or in a Curve, which returns into it offs, as the Citecie, and Ellipsis; or in a Curve that does not return into it felt, as the Parabola, We. And, fecondly, that the moving Porce multi always be greater than the Refis. For, hence it follows, that no Force, even the lefinite, can produce Motion where the Refitlance is infinite; confe-quently, there can be no Motion either in a first Line, or a A a a a

Chamber.

bio-returning Carre; becaufe in either of those Cafer, the Protration, and canfequently the Refifiance, would be infinite. There enabling, the short protection of the short protection and the short protection and the short protection and the short protection and a fact, or an annular Motion round a quickent Body shot which ask, again, impossible in an Elliptic Carre! And confiquently, all Motion must be in Cafera geometric and the short protection are short protection and the short protectio

cally tree; and the revolving Bodies untl either be Spheres, Sphereind, Cylinder, or Fortion of them, earlify geometrical in otherwise, their Revolutions in a Pirama would be been as the sphere of t Macton thro' the Celetilal Spaces, both from and to all Parts: For hence it appears, that their Celetilal Spaces are void of all fendible Recliftance, and confequently of all fendible Marter. For the refuling Ferce of hind Me-diums, artisp partly from the Attriction of the Parts of the Medium, and partly from the Intellivity of Matter. Now that Part of the Refillance of any Medium, which strike the Parts of the Refillance of any Medium, which strike the Parts of the Refillance of the Medium, which strike the Parts of the Refillance of the Medium, which strike the Parts of the Refillance of the Medium, which strike the Parts of the Refillance of the Medium, which strike the Parts of the Refillance of the Medium, which strike the Parts of the Medium o from the Tenzeity or Attrition of its Parts, may be leftend by dividing the Matter into finaller Parts, and by rendring those Parts more finooth and (lippery: But that Part of the Refiftance which arifes from the Inactivity of Matter, is always in proportion to the Denfity of the Matter; por can be diminish'd by dividing the Matter, nor by any other

means, except by diminishing the Denfity thereof.

Consequently, if the Celetial Regions were as dense as Confequently, if the Celetital Regions were as dente as Water, or Quickfilver, they would refit almost as much as Water or Quickfilvers, but if they were perfectly denfe, without any interfper'd Vasseiry, tho the Matter were ever fo field and fabrile, they would refift more than Quickfilver does a perfectly folid Globe, in fach a Me-dium, would lofe above half is Motton, in moving three funds, would be about and a Globe not perfectly folid, fuch as the Bodies of the Planets and Comets are, would be flop'd fill fooner. Therefore, that the Motion of the Planets and Comets may be regular and lafting, it is ne-

rances and Connect may be regainst and sitting, it is the centry the Celebral Spaces be void of all Marce, eccept centry the Celebral Spaces be void of all Marce, eccept to the Central Spaces of Light. See RESINANCE, MARCE, COMIT. 56: 19. The Jame great Author deduces a Paramor from the Confidention of the Wights of Educits; thus: "All Bo-'dies about the Earth's gravitate towards the Earth's and the Weight of all Booline quality ditains from the Earth's the Weights of all Bodies equally diffiant from the Latth's Centre, are as the Quantities of Matter in those Bodies.

—If the Æther, therefore, or any other fabrile Matter, were altogether delitates of Gravity, or did gravitate left than in proportion to the Quantity of its Matter: Becaufe, (as Ariffiatis, Det Cartes, and others argue) it differs from other Bodies only in the Form of the Matter; the fame Body might by the Change of its Form gradually be converted into a Body of the same Conflictation with those which gravitate most in proportion to the Quantity of Matter: and on the other hand, the most heavy Bodies Matter: and on the other hand, the most heavy Houses might gradually jobs their Cravity, by gradually charg-ing their Form; and therefore the Weights would depend "man, which is contary to all Experiment. See Watourn.
4". The Defeat of Budger proves that all Space is not pully full for the time Author goes on, if I all Space were equally full, the Specifick Gravity of that Flind with which the Kepion of the Air would in that Cafe be filled,

which he Region of the Air would in that Cafe be filled, would not be leich than the Specific Greative of Quickil-ver, or Gold, or any other the most death Boby's and therefore, neither Gold, nor any other body, consid defects therein. For Boldes do not defend in a Fliad, an-therein. For Boldes do not defend in a Fliad, an-therein. For Boldes do not defend in a Fliad, an-therein. We have been considered that the for-per than the form of the form of the for-per than the form of the form of the for-fer than the form of the form of the for-ter of the form of the form of the for-fer form of the form of the form of the for-fer form of the form of the for-fer form of the form of the for-fer form of the for-ter of the for-one of the for-ter of the for-ter of the for-ter of the for-ter of the for-one of the for-ter of the

Feather falls, must be much rater than that throw outer the Gold falls. See Discert.

The Quantity of Matter, therefore, in a given Space, may be diminified by Rateckithon: and why may not it be diminified in infinitum? Add, that we conceive the Cast United of all Bedies, to be of the form Doefett. be diminished in infinitum? Add, that we conceive the bold Particles of all Bodies to be of the fame Denfity; and that they are only rarefiable by means of their Pores: Whence a Vacuum evidently follows.' See Rarefaction,

Porres, and Parriche,

5°. 'That there is a Vacuum, is evident from the Vi-50. That there is a Vacuum, is evident from one vi-brations of Pendulum; For fince thole Bodies, in Places our of which the Air is exhaufted, meet with no Refi-tance to retard their Motion, or fhorten their Vibrations 'tis evident there is no lengthle Matter in thois Spaces, or in the occult Porce of those Bodies. See PENDULUM.

For, as to what Des Cartes arges of his Materia Subtilits, that its Tenuity prevents its Refiftance from being fentilite, and that a fmall Body triking against a greater, cannot in the least move, or roust the Motion of that other; buris reflected back again with all its Momentum : 'tis contrary to all ed back again with all 1st Momentum: its contrary to all Experience. For Six fifter process, that the Decliny of flaid Medlums, is proportionable to their Refiliances very nearly; and that they are exceedingly mittaken, who toppoie the Refiliance of Projectiles to be infinitely diminished, by di-viding the Parts of the Flaid, even in unfinitum. (Princep-Lib. II, Frop. 35). When, on the contrary, 'its clear the Refiliance is but little diminished by the Sabulvision of the Refilince is but little diminish'th by the Sakithition of the Davis (19th. 19th., 40) and that the recitling locates of all the fame quantity of Matter, whether divided into a great number of shakit Parts, or into a fow larger one, have the fame refilling Force 1. If then there were no Fazzum, it to the property of in a Space where the Air is chausted, floud throw with as much difficulty as in Quickliver, which is contrary to Experience. See Post reverse.

Experience. See respirerie.

8. That there are Interfered Vacaities, appears from
Matter's being adhashy devided into Patts, and from the Fipatter of thole Patts: Fee, on Supposition of an abblate
Pienivade, we do not conceive how any Far of Matter could
be actually divided from that next adjoining, any more than
it is potible to divide adhashy the Farst of abblate Space
from non another: for by the adual Divideo of the Patts of a Continuum from one another, we conceive nothing elfe understood, but the placing those Parts at distances from one another which in the Continuum were at no distance from one another : But fuch Divisions between the Parts of Matter,

asober which in the Continuous were a go dilinate rown one until imply Fastini between, See Divirtuality.

"A for the Eggers of the Parts of Bodies, agon the Supposition of a Plansm, they must clinic be all Rechiperation (In the Plansm, they must clinic be all Rechiperative) and proposed to the Plansm, they must clinic be a proposed to the real Rechiperative (In Special Plansm, they must clinic be a proposed to the real Plansman (In Special Plans

Thus, any thing put in a Receiver fo exhausted, is faid to be put in Vacuo: and thus, most of the Experiments with the Air-Pump, are perform'd in Vacuo, or in Vacuo

Boyleam.

Jose of the Principal Phenomene align'el of Bullet in Zenta, as: That the heaviel and lighted Books, as a Yeast new year. The principal plane of the principal plane of the principal plane of the principal plane of the principal plane. That Prints, a Clarge, Clercine, Facels, Apples, 64c, kept for any time the Faces, retain their Nassue, 'refineds, Colone, 55c, and those which if he noop all, record their Fampsell in Faces, "All Light and Tire becomes their Fampsell in Faces," All Light and Tire becomes their Fampsell in Faces, "All Light and Tire becomes their Fampsell in Fames". All Light and Tire becomes their fampsell in Fames —A figure Vall, full of common fair, well deed, breaks in Fames a road one one of the principal plane of the principal plane. "Can and most other hands".

Ponds weight in Freese—Cars, and most other Animals, exclude space in Facult in 1700, Mr. Derkem found, that Animals which have two Ventricles, and no Freeme Good, and Minate, counting from the first Exclution; A Mole died in Minate, counting from the first Exclution; A Mole died in Minate, counting from the first Exclution; A Mole died in Minate, counting from the first Exclution; A Mole died in Minate, and the Minate, and the Minate, and the Minate in Minate, and the Minate, and the Minate, and the Minate, and the Minate in Minate, and the Minate,

open Air: Stallis contined as Hours in Factor, without ap-pearing much concernd.
Seeds planted in Factor don't grow —Small Beer dies, Seeds planted in Factor don't grow —Small Beer dies, and lofes all its Taffe in Factor —Lakwarm Water boils very vehemently in Factor —Air, rafning theo Mercary in-to a Vactum, throws the Mercary in a kind of Showet upon the Receiver, and produces a great Light in a dark Room. See Arritarios, Ge.

Soc ATTRITION, US.

The Air-Pemp can never produce a precife Vacuum; as is evident from its Structure, and the manner of its working; in effect, every Ewfection only takes out a part of the Air fo that there will till be form left, after any finite Number of Exfections. Add, that the Air-Pemp has no longer any

effect, than while the Spring of the Air remaining in the Receiver, is able to lift up the Valves: When the Rarefaction is come to that degree, you can come no nearer to o Vacuum

Sir I. Newton, observing that a Thermometer full in Vacuo, and in that State removed to a warm or a cold Room, receives the Heat or Cold, rifes, or falls, almost as Room, receives the Heat or Cold, rites, or falls, almost as control for Faring 1 takes thence occasion to faring takes thence occasion to faring takes thence occasion to faring takes the faring

If he fails, his Surety has Attionem Vadimonii deferti igainst him; that is, an Action for deserting his Bail. See Vadimonium, and Bail.

VADIMONIUM, and DAIL. Properly speaking, the Vadari Reum, among the Romans, was the Act of the Plaintiff himself, who hereby demand-ed Surety or Bail from the Desendant, that he would appear

ed Sustry or Bull from the Defendant, that he would appear before the Pieme on a centain D.V. — a Zinii (Terma, 94) the Pieme of the Company of the Company of the Company in English on expectal Thing that is very bashyand familiary, and which one disable centre Bone has Demonstrated to Pieme of the Company of the Compan for appearance before the Judge upon a Day appointed.

VAGABOND, a Person that wanders about, having no certain Dwelling; or a sturdy Beggar, Ec. mention d in divers Statutes.

— De Vagabunds E aliis bominibus men-

VAGINA, a Latin Term, literally fignifying a Sheath, VAGINA, a Latin Term, literally fignifying a Sheath, or Stabbard, used on diverse Occasions.
VAGINA, in Architecture, is used for the lower Part of a Terminus; because refembling a Sheath, out of which the Statue forms to iffue. See Terminus.

The Vagina is that long Part between the Base and the Capital; and is found in divers Manners, and with divers

naments. Vagina, in Anatomy, a Canal, or Cavity leading from the Pudendum to the Uterus, or Womb of Women. See

The Vagina Uteri, or Matricis, is a membranous Part, reaching from the Rima, or Aperture of the Labra, to the Nock of the Womb. See Lavia.

It lies upon the Refinm, to which it finally adheres, and under the Utinary Bladder: Its length is ordinarily feven

or eight Inches.

or cight Inches.

It inward subtlance is nerrous, and exquifitely fendible; the outer membraness, and looks: At its Orlice is the court membraness, and looks: At its Orlice is the court of the court o

turition.

turition.

Along the whole Traft of the Vegina are Pores, or Oflia, or little Duch feen, which In the Act of Venery emit a Livage, that has been by many milkels fee Seed. See Sann, the Climaria which with the Company of the Climaria which with a broad Series of Fibre embrace and confirings the lower Fers of the Vegina, and puss the Dimension of the Fart, in forme measure, in the Tewer of the Mills. See Marrass. wer of the Mind. See Matrix. Vacing Uteri Sphintler. See Sphington Uteri,

VAGINALIS Gale, in Anatomy, a Name form Anatomits give to the mulculous Coat of the Gala; as supposing it a proper Mucle, confpiring with the Octobeses in thutting the Aliment down, when entred. See Gola;

DESCRIPTION, G.C. and the mine with what we otherwise and the Lay Syridar. See Elyrayaodra, Call the Lay Syridar. See Elyrayaodra, Call the Lay Syridar. See Elyrayaodra, call the Lay Syridar of Nerves of the Madula Obiogaia, call the Par va-

gots, because dispensed to divers Parts of the Body: See Pan, and Nanys. Doubling, confifting of divers little Pieces, or a Bell-glafs. See Valley, a base of the little Pieces or a Bell-glafs. See Valley and part of their Point August, opposite to their Point August, and the Bafe Argent to the

When there are only two, or three Vairs, the antient Heralds call it great Vair; and when there are more, finall

Vair is intended to represent a kind of Skin, used antiently by the Kings of France in lieu of a Fur, and wherewith the Gowns of the Presidents d Marrier, the Counsellors of the Court, the He sids Coats, &c. were lined, till the XVth Century.

Century, and the property the Stin of a kind of Squired, call'd it was properly the Stin of a kind of Squired, and in all the still white white underreath, and Dove colour a stype. It while the still of the still

naturally white and asure.

\*Vair, Colombiere observes, is a second Puir, antiently us'd
as a Lining of the Garments of great Men; confilling of
the strength of the Pariets on white Skins: a land because these Freces were usually blan, those who first settled
the strength of the Skins: a land because these Freces were usually blan, those who first settled

culle their Freces were sufailly hier, thole who first fested the Ratio of Reveally, descreed, that the Pagis in In nursul the Ratio of Reveally, descreed, that the Pagis in In sursul be abbolastly field, (such a Family bears Farr y it is impeded to be Arguer and Anaco is to first Rawson or Ratio to the Arguer and Anaco is to first Rawson or Ratio of Fair in the Shield; if there be either more, or left, the Number must be faceful? It The Latik Number, belief there Raven, is called Buffery of Fair; and the most, being The Buffery is the Ratio Ratio Ratio Ratio Ratio Ratio The Buffery is the Ratio Ratio Ratio Ratio Ratio Ratio The Buffery is talk boxen by the first Figure on the Des-terdide of the Efectation, being always of Meni; and in gray of a Best y abserts when there were a Varieties and the gray of a Best y abserts when the ratio ratio in the god as

VAIRY, VAIRE, VERRY, or VARRY, is applied to a Cost, or the Bearings of a Cost, when charged or chequer'd with Varys. See VAIR.

svant me Goost aur Argent and Azare, 'is Fairy priv; if they be otherwife, the Colours are to be expectly and it Fairy of facts Colour or Ment), the beaut Fairy On, and Gales. 'This is particularly call' Fair exampled.'

The Bearings are likewife field to be Vairy when they are charged with Vair.' When Chleft, Gordfe, Flace, Feffex, Gr. happen to be Fairy, the number of Ranks are to be freely did. When the Colours are Argent and Azare, 'tis Vairy pro-

Varry Gowns are observed by Julius Pollux to have been the Habit of the antient Gault, as Ermina were of the Ar-menians. See Ermin.

demons, Sec

VAIRT Cappy, or VAIRT Taffy, or Potent Counter-potent; is a Boaring in Heraldry of the Figure adjoining. In blazon, the Colours must be expressed; as Azure, Argent, Sc.

VALECT, VALET, VADELECT, VADLAT, and VASSET, in our Law-Books; is, according to Canaden, a Servitor, or Gentleman of the Prov. Chamber: but, according to Selden, antiently flagifyd the young Heirs which were to be knighted, or young Gentlemen of Quality and

But the Term is now applied to those of the Rank of Teomen.—In the Accounts of the Inner Temple, it is us'd for a Bencher's Clerk, or Servant: The Butlers of the House VALENTINIANS, an antient and famous Sect of Grass
VALENTINIANS, an antient and famous Sect of Grass
Valentinian. Sec

ticks; thus called from their Leader Valentinian. See

VALERIAN, the great Sci-wall, a Plant, whose Root is of confiderable ase in Medicine.

There are various Kinds of Valerian; but the only one in use is that cultivated in Gardens, call'd the large Valerian. rian, or Valeriana Horsensis; and by Diescorides, Phic, folio elifatri.

It has its Name, according to fome, from one Valerius, who first brought it into use; according to others, from Valere, to have great Virtues:

1677, to have great virtues: It is warm and aromatick, but fomowhat of a feeld Scent; Its efficacy, as a Sudorific, is imported by the Tellimony of both antient and modern Practice. It has been recken'd by fome Deterfive, for much as to make it Discretick, and good in all Oblitacitions of the Fypers. It is excelled allo for

firengthning the Optic Nerves, and refloring decay'd Sight ; but the prefent Practice acknowledges it not in any fuch Intentions. It fomerimes does Wonders in byfterical Affections; especially where those of the ferid kind are good ternous a especially where those or the teria kind are good, and the Spirits are too impectous in their Motions, fo as to eccasion Convulsions. It is also stiftled with Camphire, and fome other things of the like Nature which are very powerful in breaking thro' the minusest Obstructions, to cure obstinate Agues.

It is efficacions in all nervous Cafes; and particularly the Epidepfy; which Virtue in it feems to have been first dif-cover'd by Fabius Columna, who prescrib'd it for that Pur-

pose in Fouder.

M. Marchests, in the Memoirs of the Academy of Sciences, has confirmed this Virtue by many Inflances within his Knowledge: And what is very remarkable, is, that in the two Observations he enlarges most upon, the Patients voided great Quantities of Worms. His Custom was, al-

VALESIANS, VALESIANI, antient Softaries, fo called from one Valens, a Perion unknown to Epiphanius, who makes mention of this Sect, Her. 58. tho he owns we know but very little of 'em; only this, that they admitted none into their Society but Eunuchs: at leaft, if any were admitted before Caffration, they oblig'd 'em not to cat any Meat till the Operation was perform'd.

one upcention was performed.

For, then, being no longer fubject to the Motions of the

Fieth, they allow d'em to cat any kind of Meats.

VALET, a French Term, aniently wrote Forste.

In France, Folst is a common Name for all dometites.

Servants, employ'd in the lower, and more fervite Offices similading what we call Grooms, Fostmen, Coachmen, Estimidating what we call Grooms, Fostmen, Coachmen, Estimating the Servants. liffs, &cc.

But the Word is not used among us in this Scole, nor any otherwise than in the Phrase Valet de Chambre; which is a Servant, whose Office is no dress and unders his Matter Jook to his Bod Chamber, wair on him at Table, 85c. the

sook to his Bed Chamber, wait on him at Table, &c. the fame with what we otherwise Call a Genteman. In the Hiflory of Lewix XII. by Seigit, we always find Parlet dt Chamber du Rei, Variet de la Gardweb, &c. But Variet, like Kneve, and divent other Words, is now depo-nerated into Nord of repossib. Falte, Valett, Valett, Valett, and Vallet, Camber ob-ferrow, were anchoty wich at our Court for a Gentlemn of

the Privy Chamber.

the Frity-Chamber. Selden, in his Titles, relates, that Valetz antiently figuifield young Gentlemen, and Heise of great Eilsten and Quifly effectily flock in a were to be knighted. See Valete.
VALETUDINARY. Faiturbaserias, the seld by the Wirters of Medical Person of a weak,
used by the Wirters of Medical Person of a weak,
carry, sixtly Conflict mean, directs the weakly, the fluidinary,
the Conflict of the mean directs the weakly, the fluidinary
of the property of the mean directs the weakly, the fluidinary
of the property of the mean directs the weakly, the fluidinary
of the property of the mean directs the weakly, the fluidinary
of the property of the mean directs the weakly, the fluidinary of the fluid of the mean directs the weakly, the fluid of the property of the fluid of the property of the fluid of the property of the fluid of

Dr. Gegrae, of all means, directs the wearst, the reduces be federatery, and the calettaining, to a low, spare Rememen. See Foon, Exercise, Direct See.
VALID, a Term applied to Acts, Translations, Expedions, See. which are clothed in all the Formalities required.

tions, QC. which are clothed in an the formanties require fite to their being put in Escention, and to their being ad-mitted in a Court of Juffice.

A Contract by a Minor is not valid, or is invalid: A Mar-riage is not valid, unless perform'd with the Solemnities

cojoind.

VALLAR, VALLARIS, in Antiquity, an Epithet given to a kind of Crown, which the Roman Generals believed on this who in attacking the Enemies Camp first broke in upon the Enemies Lines. See Cacown.

The Word is form I from Vallum, a Stake with Branches, whereof they made the Pallishde of a Camp, call of Lorest.

The Cyrolar Vallarity was the time with what was other-

whereof they made the reinfance of a claim, that was other-wife call'd Corona Caftrenfis, from Caftra, a Camp. Mural and Naval Crowns were 1 yet, tho they were made of that pre-table of the pre-Naval crowss were: yet, the they were made of that pre-cious Metal, they were not the molt valued: For Piney, Lih, XXII. cap 3, gives the Preference to the Corona Obli-dionabit, which yet was only of Gramen, or Grafs. VALLEY, VALE, in Geography. See Mountain. VALORE Martiegit, Value of Martings, a Witt which antiently lay for the Lord, after having profferd faitable

Marriage to an Infant who refused the same; to recover the Value of the Marriage. See Marriagem.

Value of the Marriage. See Maritacium.

VALUE, in Commerce, the Frice of Worth of any Thing.

Instrinctick Falue, is the proper, real, and effective Falue
of any Thing; and is used cheffly with regard to Money; a
the popular Falue whereof, may be risked and lowered at
the Pleafuse of the Prince, but its real, or instricted Falue,
depending whoshy on its Weight and Bereefi, is not all attelled by the Stamp, or Imprefine nheron. See at-NEY, UC.

"Tis generally on the Foot of this intrinfick Value, that Species are receiv'd in foreign Countries; tho in the Places where they are coin'd, and where the Sovereign Power makes em current, they generally pass for much more. See Pan.

"Tis, in good measure, on the difference of those two Va-lues, one whereof is, as it were, arbitrary, and the other, in some fort, natural; that the difference of Exchanges do-pends; and those fifth rising and faling, as the Rate as which a Species is current, comes nearer or farther off the just Price of the Metal whereof it confish. See Excussors, just Price of the Metal whereof it confists. See Excusions.

In Bills of Exchange, Value is used to fignify the Nature of the Thing, (as ready Money, Merchandizes, Bills, Debts, See, ) which is come.

&c.) which is given, as it were, in Exchange for the Sum fpecify d in the Bill. speciary of in the 2011.

From four different Manners of expecting this Value, fome diffinguish four Kinds of Bills of Exchange: The first bears Value received, simply and parely, which comprchends all Kinds of Value; the focond, Value received in Money, or Merchandize 3 the third, Value of my felf; and the fourth,

Value understood.

Fame underfloot.
The first is dangerous, and the fourth but little used: a coordingly, to have the Falter well experted, and to prevent the ill Confequence of Overefights therein, it wis well provided by the French Ordonance of 10-13, that Bills of Eachange final contain the Name of the Ferion to usbance it is a supported to the contain Sams is to be paid; the Valter, and whether it was Name of him who paid the Valter, and whether it was the support of the Valter, and whether it was the support of the Valter, and whether it was the support of the Valter, and whether it was the valter of the Valter, and whether it was the valter of the Val receiv'd in Money, Merchandize, or other Effects. See BILL

recte't in Money, Merkhandias, or other Effekh. See Bitt. of Excloser, Con. Valasvers, in Lou, See. Mel, Bjern as a liter Difference between Value and Protecture as a liter Difference between Value and Protecture and Control of Things in which Officense are commissive circles in Thomas Indefenence, which feets are certainy in Thomas Indefenence, which feets are certainy in Thomas Indefenence, which feets are certain in Control of the Protect of Things feet Nature of the Protect of Things feet Nature of the Protect of Things of Protect of Things feet Nature of the Protect of Things feet Nature of Things feet Nature of Things feet Nature of Things feet Nature of the Protect of Things feet Nature but of Coin current, neither Pretii nor ad Valentiam;

but of Coin current, neither Pretti nor da Pausniana, 'the Price and Pathe being certain, a thin Memhanac, ap-plied, like a Door or Shutter, an diverse Cavries and Veffels of the Body; to afford a Patigge to fome Humour, or water Matter, going one way, and prevent in Re-Class towards the Part whence it came. See Yeaster, 1976. The Veirs and Lymphaticks have Priver, fituate from

Lac veins and Lymphaticis nave Fairs, Busate from Space in Space, which open towards the Heart, but keep close on that Side toward the Extremities, i. e. they let the Blood and Lymph refs towards the Heart, but prevent their returning to the extreme Parts, whence they came. See

returning to the extract the Vers, and Bason.

The Heart has allo it Via. Those at the Entrance of the Versics arising out of it. Those at the Entrance of the View Green and Fulmonary Vein, let the Blood pass on to the Heart, and prevent its return: On the contrary, those the Maria and Pulmonary Antrey, let at the Entrance of the Aorts and Pulmonary Artery, let the Blood pass out of the Heart, and prevent its flowing back again. See Heart, and Circulation; see also Ca-VA, 86

VA. DG.

In the Jejunum Intestinum there are Valves which retard the Descent of the Chyle. See INTESTINES.

The Colon has a thick Yalvo, to prevent the Excrements
from passing into the Bear and several other Valves, to
retard the Descent of the Excrements. See Colon, and

EXCREMENT.

Excension. The Pales in the Body acquire different Denominations from their different Forms, and other Greumfinaces, as a Sigmoider, Seculularies, Maries, Trienflyted, &c. See each under its reflective Arrivit, Susmonta, Matria Langiff, Some attribute the Different of the Pales in the Veins to Fra. Pasilo. Rayléb has a particular Treatife on the Pales of the Lappinates and Lateful Veinila. See Lactures of the Pales of the Lappinates and Lateful Veinila. See Lactures of the Pales of the Lappinates and Lateful Veinila. See Lactures of the Pales of the Lappinates and Lateful Veinila.

TEAL, SC.

Years, Februida, in Hydraulics, Procumatics, Efc. is a kind of Lid, or Cover of a Tube, or Veffel, fo contrived as to open one way; but which, the more forchilly his prefix the other way, the clofer it flust the Aperture: fo that it cither admits the Entenance of a Fluid into the Tube, or Veffel, and prevents its rettars, or admits it to cleape, and revents its re-entrar

research is continue.

"After are of great us in the dir-Pump, and other Winds Engines; in which they are ordinarily make of freese with the property of the property of the property of the property of Lenker; their Figure road, and the property of Lenker; their Figure road, and the property of Lenker; their Figure road, and the property of Lenker; they are made of the property of Lenker; 
Semetimes they are made of Brais cover'd over with Lea-ther, and furnished with a fine Spring, which gives way up-on a Force apply'd against it: bur, upon the casing of that returns the Valve over the Aperture. See Pran, 156.

reums the Pales over the Aperuac. Son Fuss, 26s.
Complainte Farst, 2 Busingeri, and Physician of Grey ZVIII. who dy'd in 17st, was the first who oldered for the Complainte Farst, and the Complainte Fa

Enflactor's Works, takes the Ule of this Patte to be to prevent the Bood of the upper Peas Cras from trilking with too much violence against that of the lower: And Monsicar Winflow, who bas considered it very diligently in the Memoirs of the Royal Academy of Sciences, is much of the fame Opinio

But as it gradually dwindles in Children, and at length becomes quite loft in Adults, fill diminifning as the Fore-men Ocale does; it fhould feem to have fome other Office; and that, chiefly, regarding the Circulation of the Blood in the Figure. In effect, by means bereof, M. Winflow reconciles the two opposite Systems of the Circulation of the Blood in the

two oppoint Syltems of the Circulation of the Blood in the Fatus, delivered under the Article Creation. See Circulation of the Blood; and Fortus.

VALVULA, Fatus. See Valve.

The great Valve, in Latin Valvala Major, is the upper

Part, and, as it were, the Lid of the Ifthmus between the Testes, and the first Vermicular Process of the Cerebellum: Its Substance is medullary. Its Use is to prevent the Lymph from falling on the Nerves at the Base of the Contum. from filling on the Nerve as the Bafe of the Commen,
In the Jejumen and Henne, the inner Truis being its
ger than the outer, is much cornegated; the look Fooks of
which, have been thought in form madier to do the Offee of Peter; and the retheretive been call? Varbule
Commontro. Drakely Justice, 94,
Commontro. Drakely Justice, 94,
which is the proof of 
\* admix of a Redux rowards the Intellines: the the Liques the earlily reported It owards the Clarket's Which argues, that there are Fateer in term, the two minutes to be femilially as the control of the Pateer in the Commission of the Commissi

beat the Road, upon the Approach of an Enemy. See RE-

Van-Foffe, a Ditch dug without the Counterfearp, and running all along the Glacis; ufually full of Water. See Diren.

DITCH,
VAN, or VANT, or VANT-Corfs. See Corps.
VAN-Greets, is a Military Term, figuifying the first Line
of an Army, drawn up in Battalls.
It is the fame with the Front of an Army, and gives the

It is the finne with the Freuer of an Army, and give the first Charge upon the Eremy, See Fron, \*\* Feorguer's, 
CHOCOLATE. CHOCOLAYN.
It is allo side to perfume Tobacco withal, See Tobacco.
It is fappeded to iterapthen the Bissin, and Stomach; to carenate viride Humours, provice Urine, and the Menfes.
VAPORATION, in Chymistry, a Term applied to the
Addion of Fapors. See Vasors.
The Chymist have a Bath call'd a Faporatory, or Bel-

The Chymitis have a Bath call'd a Vaperatory, or Bal-seum Vaperatoris, or Vaperais, whereby the Warmth or Humidity of a Vapera is made to act on tome other Body, that is no bewarm d, or moiting. See Balaxsus, HEAT, Go. VAPOROSUM Balactum, or Varona Bath, in Cop-mitty, a Term applied to a Chymiti's Bath, or Heat, wherein, the Body is placed to as to rective the Fames of

boiling Water. The Baineum Vaporofism confifts of two Veffels, differed over one another in such manner, as that the l'apour tais'd from the Water contain'd in the lower, heats the Matter co-

cloicd in the upper. See HEAT.

The Vapour-Bath is very commodious for the diffilling of oderiferous Waters, and the drawing of Spirit of Wine.

We site use the Term Vaporr-Bully, when a fick Fee fin is made to receive the Vapourr sating from some laude to receive the Vapourr sating from some laude VAFOUR; there are tree, See Flavin-Gate of Water or either hamild Matters, fill do inflicted with Air, which he may be a certain degree by the Aslboo of Heat, as four needy to a certain degree by the Aslboo of Heat, as further than the state of the Aslboo of Heat, as further than the state of the Aslboo of Heat, as further than the state of the Aslboo of Heat, as further than the state of the Aslboo of t

infranced, mit return in form of RAIM, 500W, or time have See RAIM, and SSOW! A Matter of Fasticles, or Veficles of Fayarr, conflictness what we call a Cloud. See Clours. Fayarr, conflictness what we call a Cloud. See Clours. Committee, and the Committee of the Committee, and Finds can be compared to the Committee of the Committee, and the Committee of from dry Delles, as October, as Fluids of any kind 3 or from dry Delles, as October, as Fluids of the Committee and other Authors, better difficulties of the Committee of the Com dry Fumes, calling the latter Exhalation. See Exhala-

For the Manner wherein Varouns are rais'd, and again precipitated; fee Dew, Rain, Hear, Colo, and Baro-

For the Effect of Varoua in the Permation of Springs; c. Soc Spring, and River.

The quantity of Vapour rais'd from the Sea by the Warmth of the Sun, is far grea or than one would imagine.

Warmh of the Sun, is fig greater than one would imagine. Dr. Hilling has accompand to estimate up, and deferring in him in Expensions made with this view, and the light in him in Expension to the state of the sta

And this Quantity of Vatour, the very great, is only the Remains of another Caule, which cannot be reduthe Remains of another Caule, which cannot be redu-ced to Rule; we mean the Winds; whereby the Surface of the Water is lick'd up, formcume, fifter than it exhales by the Hear of the Sun; as it well known to those that have confider'd those drying Winds. See Evanovatrons. VAPOURS, in Medicine, a Dilessie, call'd popularly the Hype, or Hypochambracad Dilessies a and InMen, particular

Hype, or Hypelsonstrated Disclar 3 and in Mela, particularly, by the Option. See States.

The Impedical to be owing on fathelle Popure, rifling from the lower Brave of the Albomom, previously the Hypelson the Control of the Albomom, previously the Hypelson through through the Hypelson through the Hypelson through the Hypelson through the Hypelson through through through through the Hypelson through the Hypelson through th

and the the Pussies be taken away, the Redness remains: To which, if an Inflammation and Hoarieness be added,

To which, if an Inflammation and Hostrace is a stide, it a Sympton of an appraching Leprofy. See Largory.

applied chiefly by the foreign Machematican, to fash applied chiefly by the foreign Machematican, to fash colored chiefly by the foreign Machematican, to fash colored chiefly by the foreign Machematican, to fash other Quantity either increase or dimmitlike. The fash colored chiefly and the colored chiefly and the foreign Machematican for the fash of the

given, or ftable Quantities; which are always the fame, the orners change; as the Semidiameter of a Circle, which remains the fame, the the Absciffes and Semiordinates increase.

nams the lame, the the Abelies and semiordinates increase. Variable Quantities, are usually denoted by the last Leccrs of the Alphabet, xyz. See Quanvivy.

Our Legistic Authors, instead of variable, and constant
Quantities, generally use the Terms finent, and stable
Quantities, See Fluxur.

"The Legistic found Quantity whereby a consist Quantities." Quantities.

Candition. See FLUENT.

The infinitely final Quantity whereby a carieble Quantity is continually increasing, or diminishing, is called the Flueing, or Difference, the Calculation whereof, is the Subject of the new Methodus Differentiality, or Difference of Flueinent. See DIFFERENTIAL, and FLUEIDIN.

By Ball St. St. School, 18 of the St. School of Flueinent. See DIFFERENTIAL, and FLUEIDIN.

VAR [ 278 ] VAR

VARIANCE, in Law, an Alteration or Change of Con-dition in a Person, or Thing; after some former Concern or Transaction therewith.

Thus, if the Commonalty of a Town make a Composi-tion with a Lord, and afterwards Bailist be granted by the King to the fame Town; there, if the Lord commence any Sait for hreach of the Composition, he must vary from the Word Commonatty, used in the Composition; and use Bai-

toff and Comminder.

The Term Variance. Is alloued for an Alteration of floraching formerly laid in a Plea. See Para.

YARIATION, in Geography, Navigation, etc. a Term apply to the Deviation of the Magnetical Society, or Comwider of the Magnetical Society, or Comwider of the Deviation of the Deviation of the Navigation of Terms of the Commission of the Navigation of Technology, or Terms of Technology, or Navigation of

Various are the Hypotheles fram'd to account for this ex-traordinary Phenomenon: We final only mention fome of the later and more probable. The first is that of Gilbert, which is followed by Gaberia, Sec. Their Notion was, that 'is the Barth, or Liand, that draws the Needle out of its Medidonal Direction; and hence they argued, that the Needle vary's more, or left, hence they argued, that the Needle early's more, or lest, as it was more of leid slithat from any great Continents confequently, that if it were placed in the middle of an Ocean, coully diffiant from quall Tracts of Land, on each fide, Earlward and Weffward, it would not decline either to the one or the other; but point justify North and South.

Thus, in the Boors! Blands, which are equally diffiant from Africa on the Eaft, and Dimerica on the Veft, there

is, in effect, found no Variation: but, as from the Azores you fail towards Africa, the Needle begins to decline from the North to the East; and that still more and more, till

reach the Shore

If you fill proceed Eastward, the Declination gradually diminifies again 5 by reason of the Land left behind on the West, which continues to draw the Needle.

The fame holds till you arrive at a Piace where there are equal Tracts of Land on each fide, and there, again, there is no Variation

The Observations of our Mariners in their East-Ladia Voyages, seem to confirm this System: As they proceed to-wards the Cape of Good Hope, the Variation is still Eastward; wards the Cape of Groth Hope, the Personan is the Halamarta; at longth, arriving at the Cape The last Aguillat, q.d. of the Needles, the Meridian-Line, then, dividing Africa into two equal Parts; there is no Variation at all: But as they pro-ceed further, and leave the African Coafts on the Welf,

ceed further, and leave the African Coasts on the the Variation becomes Westward.

the Foriation becomes Westward.

But the Mistorium is, the Law does not hold aniverfully a
in effect, a great Number of Observations of the Foriaition, in various Fures, made and collected by Dr. Halley,
overrunt the whole Theory,
overrunt the whole Theory,
overrunt the State of the Foriation of the Property
overrunt the whole Theory,
overrunt the whole Theory,
overrunt the whole Theory,
overrunt the Windows State of the Property
overrunt the Property State of the Property State o and oncives; which being generally touted to that the Soles, the Foles, the Needle comes to have a general tendency that way, but which feldom going perfectly in the Direction of the Meridian, the Needle, of configuence, has commonly a Variation. See East 11.

Others hold various Parts of the Earth to have various

degrees of the Magnetic Virtue; as forme are more interdegrees et ne Magnette Virue; as tome are more inter-mix'd with heterogereous Matters, which prevent the free Aétion or Effect thereof, than others. See Manneys as, Others afeith eal to Magnetic Rocks, and from Mines, which affecting mere of the Magnetic Matter than other Parts, there he Needle more, See Isons, Ge-Parts, and the Needle more, See Isons, Ge-Parts, and the Manney Matter than other than other than other than the Manney of the See Isons, Ge-have, diffused as made and the Manney of the Isons of the Barth and Go-bard Manney See Isons, General Com-

the Earth, and so chang'd the Magnetic Axis of the Globe, which originally was the same with the Axis of the Globe it self.

which originally was the large with the Parks of the Grobe is tend. But filli, that great Phenomenon, the Variation of the Variation, i. c. the continual Change of the Declination in one and the fame Place, which the modern Observations do abundantly evince, is not accountable for, on any of their Foundations; nor even confident with 'em

Foundations and even confident with 'tem.

Dr. Bally, therefore, give us a sew Sylben, the ReDr. Bally, therefore, give us a sew Sylben, the ReBally the Research of the Sylbent Sylbent Sylbent
part Number of Observations, and early a
great Number of Observations and the several
hale let mee this observation of the Number of Number
hale let mee this observation of Number of Number
of Sylbent Sylbent Sylbent
Sylbent Sylbent
Sylbent Sylbent
Sylbent Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent
Sylbent

Philosophical Transactions, are as follow.

# Observations of the Variations of the Needle, in divers Places, and at divers Times.

|   |                       | -              | -                        |                | -     | -     | _                            |     |              | _ |  | _   |                          | _             |                     |                              | _               | _              |
|---|-----------------------|----------------|--------------------------|----------------|-------|-------|------------------------------|-----|--------------|---|--|-----|--------------------------|---------------|---------------------|------------------------------|-----------------|----------------|
| Names   | of Places.            | L              | ngitud<br>from<br>anden. | Lan            | eitu: | itie. | Year<br>of Ob-<br>ferv,      | Va  | ofterv'd.    |   | Names of Places.   | L   | ngitud<br>rom<br>raden.  | L             |                     | Year<br>of Ob-<br>ferr.      | oble            | rv'd.          |
| London  | _                     | 0              |                          |                |       | N     | 1580<br>1622<br>1624         | 6   | 15E          |   | Cape Aguillas  |     | 5 30 E                   | 34            |                     | 1675                         | 1 8             | 0 W            |
| Paris   |                       | 2              | 25 E                     | 48             | 51    | N     | 1672<br>1683<br>1640         | 4   | 30 W<br>30 W |   | At Sea   | 2   | 0 0 W<br>2 6 W<br>5 30 W | 34            | 0 S                 | 1675                         | 103             | O E            |
| Uraniburg<br>Copenbagen                           |                       | 13             | o E                      | 55             | 54    | N     | 1666<br>1681<br>1672<br>1649 | 1   | 30 W         |   | J. Afcenfen<br>Johanna<br>Monkafa<br>Zacatra   | 44  | 10 W                     | 12            | 50 S<br>15 S<br>0 S | 1678                         | 193             | o E<br>o W     |
| Danszick<br>Monspelier<br>Erefi                   |                       | 19 4           | OE<br>OE                 | 54<br>43<br>48 | 37    | ZZZ   | 1679<br>1574<br>1680         | 7 1 | 10 W         |   | Adm, at the Mouth of the Red Sea<br>Dirgo Roig<br>At Sea   | 6   | 30 E<br>30 E<br>430 E    | 20            | o N                 | 1674                         | 20 8            | o W            |
| Rome<br>Bayonne<br>Hudfon's Ray<br>In Hudfon's Sn | reights (Sound        | 79             | 10 W                     | 41             | 33    | ZZZ   | 1680                         | 5   | 20 W         |   | At Sea   | 7:  | 0 E                      | 27<br>19<br>8 | o S<br>o N          | 1676<br>1676<br>1680         | 24<br>11<br>8 4 | ow<br>ow<br>sw |
| In Baffu's Bay,<br>At Sea<br>At Sea               | at Sir The, Smith's   | 50<br>31       | o W                      | 78             | 40    | N     | 1616                         | 57  | 30 W         |   | Ballafore Fore St. George Well Point of Yava At Sea  | 186 | OE                       | 13            | 15 N<br>40 S        | 1680<br>1680<br>1676<br>1677 | 8 1             | o W            |
| Cape Fris   | douth of R. Plara     | 58             | 30 //                    | 21<br>8<br>39  | 30    | 2002  | 1678<br>1670<br>1670         | 20  | 40 E<br>30 E |   |  | 14: | OE                       | 38<br>42      | 0 S                 | 1677<br>1642                 | 233             | o W            |
| Esit Entrance of<br>West Entrance<br>Baldrois     | - Asagriian Streeghts | 48<br>75<br>73 | 0 %                      | 53             | 30    | S     | 1670                         | 17  | OE           | H | At Three King Ifte in New Zealand<br>I. Reserdam in the South Sea<br>On the Coast of New Gainea<br>At the West Point of New Gainea | 184 | OE                       | 4             | 15 S                | 1642                         | 84              | O E            |

From thefe Obfervations the learned Author guthers, it, That throughout all Europe, the Fariation, at this rise throughout all Europe, the Fariation, at this data the Weifern, increding that Euffern Para thereof that the Weifern, increding that the Coatle of America, the Fariation is Weiferty, increding all the way as you go Northerly along the Coatle of the second of of the Secon

fir's Bay: And that as you fell Eathward from this Cost, the Feriation climinathes. Hence, he agues, functioner, the best of the Bayes of the Bayes of the Bayes of the san Estherty Feriation, cut shell no Feriation, at A. That on the Coast of Breast, there is Kait Feriation, at Coast of the Bayes of the Southwest, he are the in Deat screening as you go to the Southwest, he are the in Deat secreting as you can be southwest, he are the results of Feriats, and these challes beat weekedly, not the Southwest Feriats, and these challes Southwestley, not the Southwest

of Magellan, it decreases 17 Degrees, and at the West En-erance about 14 Degrees.—4th, That Eastward of Brasil, this Easterly Variation deceases, to as to be very little at this Enterty Variation decedes, to as to be very little at Sr. Helens and Alexafien, and to be quite gone, and the Compais point true about 18 Degrees of Longitude Welf from the Cape of Gost Hope,——— th, That we the Estimated of the Asprecial Places, a Welfward Fariation begins, and governs in all the Indians See, arising to 18 Degrees and the Chapter Part Cape of the Cape of and governs in all the anomal cole, arming to its Degrees and and powers in all the anomal cole, arming to its Degrees and the Northern Bras of Medicapiers, and its Degrees and the Northern Bras of Medicapiers, and its Degree and the American General and a boars p Degree upon the Coult of Years Comment, and aboars p Degree upon the Coult of Years Comment, and aboars p Degree upon the Coult of Years Comment, and aboars p Degree upon the Coult of Years and a limit on the Welward of American Coult of Years and the American Coult of Years and the Enlaward of the Medicapies and the Coult of Years and the Enlaward of the Medicapies and the Coult of Years and the Enlaward of the Medicapies and the Coult of Years and the Enlaward of the Medicapies and the Coult of the Medicapies and the M

hair partation notes in the annot well extend many Degrees into the South Sea, from the Coaft of Peru and Chili, leaving room for a small Westerly Variation in that Tract the unknown World that lies in the mid-way between of the unknown World that lies in the mid-way ectives. Citil and New Zestand, and between Hounds Ifland and Peru. ——Sth, That in falling North-well from N. Ha-lsone, by Aftenflow, as far as the Equator, the Variation continues very final! Eafl, and as it were, conftainty the fame: So that in this Part of the World, the Courfe, Perulation is available to Meridian. fame: So that in this fart of the World, the Course, wherein there is no Pariation, is evidently no Meridian, but nather North-well.—9th, That the Entrance of Had-ga's Streigh's, and the Mouth of R. Plast, being nearly under the ... Meridian, at the one Place the Needle varies a p Degrees and a half Weft; at the other ao Degrees and a half well; at the other ao Degrees. ries 29 Degrees and a half East,

Theory of the VARIATION of the Needle.

From the Greamflances above rehearfed, the learned Author takes occasion to affert, "That the whole Globe of
the Earth is one great Magnet, having four Magnetical
Poles, or Points of Attraction; near each Pole of the Equator, two, and that is those Parts of the World which
the major and that or those Parts of the World which
the major adjacent or any one of these Magnetical Poles,
and adjacent or any one of these Magnetical Poles,
and a personal distorchy; the one care It Pole being

In least adjacent to any one of these suggenced rock, it is always predominant over the more remove. I whose predominant over the more remove. I whose predominant over the more remove. The Koo which as predent is nearth to as, he conjectures to be in or near the Medidian of the Lands Band of Exp. The Company of the Medidian of the Lands Band of Exp. that the Medidian spring and Exercise, and the North Sea, are principally powered, it is dill list in the Medician principal powered in the Middle of Carlotteria, and about 1; Degrees from the North Dole of the World; so which the Needle has chiefly regied in all the North Assessment of the North Asse

merries, in the Pecifick Sees, and the ground Part of the Ethiopick Occass.—The color form to have the greated Fe-Echiopic Colors.—The color form to have the greated from the Pele of the Words, bell as it is the nord crosse-form the Pele of the Words, bell to the period of firm Lordon and the Pele of the Pele of the Pele of the March 12 to Pele of the Pele of the Pele of the form Lordon: This Pele is even about 1:0 Degree East from Lordon: This Pele is even, about 1:0 Degree East from Lordon: This Pele is the Indian See, from the Cip-or of Jeffers in the Pele of the Indian See, from the Cip-co of Good Hype Enthwest, or the Indian See, from the Cip-co of Good Hype Enthwest, or the Indian See, from the Cip-co of Good Hype Enthwest, or the Indian See, from the Cip-co of Good Hype Enthwest, or the Indian See, from the Cip-co of Good Hype Enthwest, or the Indian See, the Pele of Good See that childred Affe from America.

The Cip of the Cip of the Indian See, the Indian See of the Indian See, the Indian S

fuers to the feveral Remarks drawn from the Table.

7. Then, it is plain, that so one European North Polois in the Meridian of the Land's End of England, all Places more Estlerly than that, will have it on the Welf fide
of their Meridian; and consequently the Needle, refpecting
it with its Northern Point, will have a Worthery Paristies; which will fill be greater as you go to the Estlmand, till you come to fome Meridian of Repfis, where

'twill be greatest, and from thence decrease again. Accordingly, in fact, we find that at Brest the Variation is but ingly, in fielt, we find that at EFreff, the Parasition is tool 1 Degree 9 Quarters 3 at London, 4 Degrees, and an half 4 and at Dantzick 9 Degrees, West. Again, to the Westlem of the Medidian of the Land-Fand, the Nocelle ought to have an Batterly Parisition 3 were it not that (by 4)—Westlem of the Mentrican Northern Tole, which like on the Westlem of the Mentrican Northern Tole, which like on the Westlem of the Mentrican Northern Tole, which like on the Westlem of the Mentrican Northern Tole, which will be the Mentrican State of than this other) the Necdle is do not intereby Metiwan, of as to construct balance the Direction given by the European Pole, and to make a finall West Paristation in the Meritain of the Land's End it felt. West Paristation in the Corera, its fuppoid our neartif Pole may fo far prevail, as to give the Necdle a little Turn to the Entity the bar for a very little Space; the Counter-balance of those for we Poler with the Counter-balance of those for we Poler the Necdle Polera (Necdle Polera Polera (Necdle Polera Polera (Necdle Polera Polera (Necdle Polera (Ne give the Nicolas a finel Turn to the Ends, also but for a very lintic Space; the Connect-balance of thesis we please permitting no confiderable Parantons in all the Enfeme Part of the Admarkt Contest, you want to West Const of En-ternative Contest, which was a supervised to the Constant the Westward of the Admark, the Town Ends of the Con-test of the Contest of the Constant, the Nocola has beliefly religion theretoes and turns fill more and more to-versible in your papered. It whereon it counts to pain, which was the Contest of Paranton, New England, New Panadonal, and in His Contest of Paranton, New England, New Panadonal, in Interest as you per from these consisted Harriers and

and in Heldius Streight, the Pariations is Wellmand 3 that is, betteries as was por from thesee counted Turripe; and in Pariation is Wellmand and Heldius Streights and the Intelligent and Heldius Streights, and About the Meridian of the Medical Streights, and About the Meridian of the middle North Streights, and About the Meridian of the middle North Streights, and the Heldius of the middle North Streights, and the Heldius of the middle North's and from those well-was and last over, and the streight of the North's and Form those well-was and the North's and the North's and the North's Adol, and Witch the operated by where in Register, 100c, and witch the operated by where in Register.

where in Ruffia.

the European Noeth Tote, and which is rec general; younje, Towards the South Pote the Eifel's in much the funn;
only that here the South Poten of the Needle is strated,
which there is the South Poten of the Needle is strated,
which are the Markey. The the Parisons on the Could to
World, at the discovery of the County of the Markey
of Angelian, fineal he Entirely if we largede a Maggatical World matter allowed to Deepers more Welferly than
the Markey of the Markey of the Markey
of Angelian, fineal he Entirely if we largede a Maggatested Welf matter down to greated Farr of the Philosophe
Sou, fill it be counterpaid by the Vitte of the other
carted Laffward over the greated Farr of the Philosophe
Sou, fill it be counterpaid by the Vitte of the other
of Good Paper, and the Ulas of Vittles Almondo.
A. From there Estimately, the Almondo.
A. From there Estimately, the Almondo.
Ognative and Farran became of the past Dillaces of
the Indian Sou, as for as Philosophe Nova, and Lafther,
there is confidently Well Virtuines; and that under there is confidently Well Virtuines; and that under there is confidently Well Virtuines; and that under there is confidently well Virtuines; and that under the

the Indian Sea, as far as Hollandis Novas, and turmer, there is conflaintly a Welf Variation 3 and that under the Equator is fell, it arifes to no left than 18 Degrees, where 'this most. Add, that about the Meridian of the Illand of Celebes, being likewife that of this Fole, this Welferly Va-riation scales, and an Enferty begin, which reaches to the middle of the South Sea, between the middle of Lealandia Variation (Like Like Like Lealand Like Carlot). Nova and Chili; leaving room for a small West Variation,

Note and Civil, here'ng some for a familiar of Jonatha. Note that Civil here'ng some for a familiar of Jonatha. Note that Civil here'ng South Feed.

\*\*\*". From the whole it appears. That the Division of the Jonatha of Jo foundines by the united Forces of two more remote: Thus, in thing from St. Lefters by the His of Affectible, to the Liquium, on the Northwest Gonde, the Forsister is very the Edward of the South American Full (which is condicionally the nearly for the South American Full (which is condicionally the nearly for the South American Full (which is condicionally the nearly for the South American Full (which is condicionally the nearly for the South American Full (which is the South Full (which is fometimes by the united Forces of two more remote : Thus, After the fame Variations we here find.

After the fame manner, may the Variations in other Places, under and near the Equator, be accounted for: So

that the Hypothesis must be allow'd very adequate, and fufficient for the Phenomena.

Theory of the Variation of the VARIATION.

Theory of the Fariation of the VALASTON. From the Older-raises abstractioned, it forms to follow, that all the Magnetical Poles have a Motion Weilword heif if it be for recident, hardine the following the followi

unknown.

This Theory feems yet formewhat obfeure, and defective:
To suppose four Poles in one Magnerical Globe, in order to
account for the Variation, is a little unsnural; but to concive those Poles to move; and that by fack Laws as to folve
the Variation of the Variation, is fill more extraordinary. In effect, the Solution appears as implicite and arbitrary as

the Problem.

the Problem.

The Author, therefore, found himfelf under a Necessity to folve the Phanomena of his Solution; and with this View, preference the following Hypothesis.

The external Parts of the Globe, he confiders as the content of the problem.

Necessity of the Colobe, he confiders as the content of the problem. Shell, and the internal as a Nucleus, or inner Globe; and between the two he conceives a fluid Medium. That inner Earth having the fame common Centre, and Axis of diuroal Rotation, may turn about with our Earth each 24 Hours. Only the outer Sphere having its turbinating Motion fome finall Matter either fwifter or flower than the internal Ball 3 final Muse either further or flower than the internal Ball; and a very missure difference in length of Time, by many Repetitions, becoming furthers; the internal Parts will by degrees recede from the external; and not kerping race with one another, will appear gradually to more, either Ealtward or Weldward, by the difference of their Morions. Now, impossing fach as internal Sphere, having fach a Morion, the two greet a Difficulties in the form Earth on a recediff, the property of the control of t

diurnal Rotation, and if the internal Nucleus be likewife a diurnal Rotation, and if the internal Nucleus be likewife a Magner, having its Poles in two other Places, diffiant sile from the Axis 3 and thefe latter, by a gradual and flow Motion, change their Place in respect of the External: We may then give a restonable Account of the four Magnetia Plotes afor-mention'd, as likewife of the Changes of the Needle's Va-

ristitus. The Period of this Motion being wonderful great, and there being hardly an handled X bet worder for the property of within the Subflance of the external Shell or Coat of the Earth, which deflect the Needle from the Polition it would acquire from the Effect of the general Magnetism of the whole. Of which, the Variations at London and Paris give a notable Inflance; for the Needle has been conflantly about 12 more Easterly at Paris than at London: The it be certain, that according to the general Effect, the Difference ought to be the contrary way; notwithstanding which, the Variations in both Places do change alike

Hence, and from fome other things of like Nature, it Hence, and from some other usings of the Nature, it feems plain, that the two Poles of the external Globe are fix'd in the Earth; and that if the Needle were wholly govern'd by them, the Variations thereof would be always the fame, with some largularities upon the Account just now mentiod. But the internal Sphere having fach a gradual Translation of its Poles, does influence the Needle, and direct it variously, according to the Refult of the attractive or directive Power of each Pole; and confequently, there must be a Period of the Revolution of this internal Ball; after which, the Variations will return again, as before. But if it shall in fature Ages be observed otherwise, we must then conclude, that there are more of thefe internal Spheres, and more Magnetical Poles than four; which, at prefeur, we have not a fufficient number of Observations to deterwe have not a lathetent number of Observations to deter-mine, and particularly in that vall Mar 4d Zaw which occ-pies to great a Part of the whole Surface of the Earth. If then two of the Poles be fixed, and two moreable, it remains to aftertisin, which they are that keep their Place.

The Doctor thinks it may be fafely determin'd, that our European North Pole is the moveable one of the two Northern Poles, and that which has chiefly influenc'd the Varia-tions in these Parts of the World: For in Hadjon's Box, which is under the Direction of the American Pole, the where it under the Direction of the Maerican Fols, the Change is not observed to be near faith, as in the Farts of Europe, tho that Fole be much further removed from the Axis. As to the South Foles, be taken the Affair Pole to be fixed, and confequently the Maerican Fole to move. This genete, this plan the facel Foles are the Foles of this external Stell or Octres of the Earth 3 and the other the Foles of the Mignetical Nations, included and move-

the Poles of the Magnerical Nutleut, included and move-able within the other. It likewife follows, that this Motton is Wethwards; and, by confequence, that the aforefaid Nu-cleus has not precifely attained the fame. Degree of Velocity with the exterior Parts in their diurnal Revolutions; but for very nearly equals it, that in 365 Revolves, the Difference is fearce fentille. That there is any difference, arifes hence, That the Impulse whereby the diurnal Motion was impres'd on the Earth, was given to the external Parts; and from thence, in time, communicated to the internal: but not fo, as yet perfectly to equal the Velocity of the first Mution impress don, and still conferv'd by, the superficial Parts of the

As to the precise Period, we want Observations to deter-mine it; tho the Author thinks we may with some Reason conjecture, that the American Pole has moved Westward 45 Degrees in 90 Years ; and that the whole Period thereof perform'd in about 700 Years.

Mr. Whiston, in his New Laws of Magnetism, raises to-veral Objections against this Theory, which see under the

Article MAGNETISM.

To observe the VARIATION or Declination of the Needle. Draw a Meridian-Line, as directed under the Article Ma-RIDLAN: Then, a Style being orected in the middle there-of, place a Needle thereon, and draw the right Line it hangs over. Thus will the Quantity of the Variation ap-

hangs over. pear. See Compass. Or thus: As the former Method of finding the Declination

OF 1083: As the former vectored or nating the Decination cannot be applied at Sea, others have been thought of; the Principal whereof faillow. Surpend a Thread and Planmate over the Compafe, till the Shadow pais thro the Centre of the Card; Obleve the Rhumb, or Point of the Compafe, which the Shadow touches when it the fluorett. For the Shadow is then a Meridian-Line: Confequently the Variation of the Compafe, when the Confequently the Variation of the Confequently the Variatio tion is fhewn

trie in Ricena.

Or Itary (Softere the Rhamb wherein the Sun or forms Der Itary (Softere the Rhamb wherein the Sun or forms Der Itary (Softere the Rhamb where the triefle and Esting 4 the Lifter of Biffeldin will be the Medifical Lies - Componently, the Decimation is but as before. The form is had from two equal Altitudes of the softer. The form is had from two qual Altitudes of the Titary (Softer the Softer the So

or their Oblers the Airbude of the Sm. or form Sur. SI, (TLA Norquiera, Fig. 4.6) who Dicchisation is known and most the Rhumb in the Compatit to which it them correlptonts. Since them the Thingale, 28 we have interested the Compatition of t

South, is the Variation fought. Note, To have the Eastern or Western Amplitude accu-rately, regard must be had to the Refraction; the Laws whereof are abundantly deliver'd under the Article Re-

FRACTION. For the more commedious observing in what Rhumb

For the mer. commodious obferving in what Rhumb of the Compaint for San, or a Star is fore, it will be proper to have row lints Apertures, or glid Windows opposite to seach where under the Limb thereof with a see opposite to seach where under the Limb thereof with a see a Charles of the Limb the Charles of the Charles o

It is improved owing to the difference of velocity of the Morisons of the internal and external Parts of the Globe. We want Obfervations of two or three hundred Fears, to determine the Quantity of this Parasine in any certain Time: but from what Obfervations we have, Dr. Hally computes to those at obset 25 Degrees in so Tears; so the limit of the contract of the c NETISM.

#### VAR [ 28i ] VAR VARIATION of Quantities, in Algebra. See Combina-

TION, and PERMUTATION.

riou, and Prasstrariou. Variation of the Moon, Variation is A dimension. The Foriation of the Moon, Variation is A dimension. M. Egis, a the third locusing oblered in the Moon. M. Egis, and the property of the Candidates, between the Candidates of the Candidates, and partition the form of the Orbit, which is an Ellipfia; and partition the form of the Orbit, which is an Ellipfia; and partition the Candidates of the Parts of Space which the Earth. See Moon, qual Times, by a Radius drawn to the Earth. See Moon qual Times, by a Radius drawn to the Earth. See Moon qual Times, by a Radius drawn to the

Moon detender in equal a muot, by a secule fairb. See Moon.

To find the greatef Vertainen, observe the Moon's Longitude in the Othens ; and for the Time of Observation, compute the Moon's Place twice equated: The difference between the computed and the observed Place, is the great-

Type makes the greatest Variation 40' 30": Kepler makes it 51'; Sir I. Newton makes the greatest Variation at a mean distance between the Sun and the Earth, to be as a mean diffuse between the Sim and the Earth, to se \$\frac{3}{2}\tilde{\gamma}'\$ is at the one Offishese, the general Fazinizio in \$\frac{1}{2}\tilde{\gamma}'\$ is at the office of the Times of the Menn's Synodical Revolutions Ratio of the Times of the Menn's Synodical Revolutions Ratio of the Office of the San from the Earth inverdity. \$\frac{7}{2}\tilde{\gamma}\$ is the Comparison of the Office of the San from the Earth inverdity. \$\frac{7}{2}\tilde{\gamma}\$ is the Comparison of the Office of the Office of the Office of Office of Office of Office Value, or by adding Green, \$\frac{6}{2}\tilde{\gamma}\$ is Times, or Sons, of the Office Value, or by adding Green, \$\frac{6}{2}\tilde{\gamma}\$ is Times, or Sons, of the Office Value, or by adding Green, \$\frac{6}{2}\tilde{\gamma}\$ is Times of Sons, of the Office Value, or by adding Green, \$\frac{6}{2}\tilde{\gamma}\$ is Times of Sons, of the Office Value, or by adding Green, \$\frac{6}{2}\tilde{\gamma}\$ is Times of Sons, of the Office Value of the Office of Earth in the Office Value of the Office of Earth in the Office o

Thus, e.g. the divers Couples of Chacons, Spanifb Fo-lies, Gavots, French Paffacillies, &c. are fo many Verie-tions: So alfo many Diminutions of Courants, Gavots, and other Pieces for the Lute, Harplichord, &c. are real Va-

VARICIFORMES Perafiste, in Anatomy, a Name fome Authors give to two Veffels near the Bladder; by reason of their many Turnings; serving to work the Seed

SCC PARASTATE.

the better. See Pain Att ATM.

VARICOSUM Corpus, in Anatomy, the fame as Corpus

Pyramidale. See Pranamar Corpus.

VARIEGATION, among Botanitis and Florifits, the Act
or Art of firstking or diversifying the Leaves, &c. of Flants
and Flowers with feveral Colours.

Variegation is either Natural, or Artificial.

Of Natural Variegation there are three Kinds; the first shewing it self in yellow Spots here and there in the Leaves of Plants; call'd by the Gardeners the yellow

Rlogch The fecond, call'd the white Blasch, marks the Leaves with a great number of white Spots, or Stripes; the whiteft lying next the Surface of the Leaves, usually accompany'd

with other Marks of a greenish white, that he deeper in the Body of the Leaves.

The third, and most beautiful, is where the Leaves are edg's with white, being owing to some Disorder or Infection in the Juices, which stains the natural Complexion or Ver-dure of the Plant.

Mariegation is in it felf a Difease ; and these are only many Species, or rather Degrees thereof. In the yellow, the Difease is the slightest: The white is

a fare Sign of a deep Infection, and Weakness in the Plant: which is further evine'd by this; that no two Leaves are ever mark'd exactly like. This sometimes degenerates into

a line sing or a cere picketton, and wearacts in the Traitre core marked exactly like. This homelanes degenerates into the third, or off J Kled y which is a rotal and immoreable Wood, and even the Traity. Scot. [4]:

In the two first Kinds, these is a positivity of eccoreting the Printer to their critics. Scot. [4]:
In the two first Kinds, these is a positivity of eccoreting the Printer to their critics. Scot. [4]:
In the two first Kinds, these is a positivity of eccoreting the Printer to their critics. The trait is considered to the printer of the printe

Jacous Latino, and Arlanda Talous.

A fingle Bod, or Eye, Mr. Bradder observe, being placed of the p

As to the natural Stripes, or Variegations, there are fome particular Circumflances to be observed; 1°, That some Plants only appear variegated, or blooked in the Spring and Autumn; the Stains disappearing as they gather Strength in Summer: Of this Kind are Rue, Thyme, and Pot Martens

called the Small Pox. It is call'd Variola, as flowing it felf in Puffles, or little Tumors like Various; or as variegating the Skin. See

Small Pox.

VARIORUM, in Matters of Literature, a Term or Phrafe of Abeviation, used for an Edition of a Claffic Author, printed in Holland, with the Notes of diver Authori thereupon; Crun Notis Farierum, or Crun Selessii Varierum Offerstambus. See Engriox.

In this Sense, we say, Plauns Varierum; a Set of Dutch

The Variorums, Sec.

The Variorums, for the generality, are the best Editions.
The Word is the Genitive Plural of the Latin Varius,

diver

different, divens. WARIX, in Medicine, a little Dilatation of a Pare of a VARIX, in Medicine, a little Dilatation of a Pare of a VARIX, in Sometime, it is confined to one fingle Barnech of a Veins and formetimes it extends to feveral; and fornetimes are such as the second of the se

fuck. It is supposed owing to the too great abundance or thick-ness of the Biood; or to the Relaxation of the Membranes of the Veins; immoderate Labour, Sprains, Cramps, too great Pressure or Greichure by Bandages; and Stagnations of the Biood from a Plethora, Cacochymia, '62: may give oc-

casion thereto.

Tumor fometimes follows the Tumor formetimes solows.

Herma V Aar, Cos A, in the Teftes, is known by the Situation of the Tumor, the Courfe of the Vein, Relaxation of the Part, or its appearing inflated with Air, diffended, and painful. See Harnia.

It is remedy'd by a proper Trufs, or Bandage, with the Malicines Assymmention'd.

Medicines abovemention'd

VARLET. See VALET.
VARNISH, or VERNISH, a thick, vifeld, flining Liquor; used by Painters, Gilders, and vatious other Artificers, quory uted by Painters, Gilders, and various other Artifices, to give a glob and lutter to their Works, as also to defend the from the Weather, Dadi, Effective More, to the Grand Statistics, and the state of Oil of Afpin, fine Turpentine, and Sindaras, melted together.

Philip Farmfor, 1014 of the Forticas Farmfor is made of Oil of Turpentine, and Maitick.

Oil of Turpentine, fine Turpentine, and Maitick. Extra the Computer of 
Spirit of Wine Farriffe, made of Studence, White Ambor, Come-Benny, and Matthe, ferring to gild Leather, Picture França, Sic. withit.

Gild Farriffe, made of Gold.

Gild Tarriffe, which is only common Tarripente, Gild Vine.

Beldiet the Farriffer, in Common Tarripente, Gild Vine Birchers and Enganven. See ETCHING.

VARNISH, is also used for a kind of shining Plaister, wherewith Potters Ware, Delft Ware, China Ware, &c. are cover'd, to give them a Smoothness and Lustre. Melted Lead is the Varnife us'd for the first; and Smalt for the

The true Varnish nied by the Chinese and Japanese, to give that inimitable Lustre to their Percelain, is one of the grand Secreta in that Manuschure; and the only thing wan-ing, to make Delft and French Ware vie with the Chinese. Several have described the Preparation thereof; particu-larly Kircher; but none over succeeded in the Trial. See

PORCELAIN.

VARNISH is also a Term given to the Colours which antique Medals have got in the Earth. See Mada.

The Value of a Medal is heighten'd by a Beauty which 

accuractly than the fineth Esamel does on Metals. Brafs alone is futceptible of it; for as to Silver, the green Ruft that gathers on it always fools it; and it must be flower? dof with Vinegar, or Lemon Juice. There is allo a falle, or modern Farniff, which the Fal-fitten of Medals give to their Counterfeits, to give them the Air of Antiquity: "Tis different for the Vineth than the cutart Farniff, which is as hard as the Metal

Some lay their fourious Medals under ground, where they contract a degree of Varnifo that may impose on the less knowing: Others use Sal Armoniac, mix'd with Vinegar; others burnt Paper. VAS, Vellel. See VESSEL.

Vas-Breve, q. d. Short Veffel, in Anatomy, a Veffel at the bottom of the Stomach; thus called from its shortness.

Sec STOMACH.

It fends divers little Branches from the bottom of the Stomach to the Spicen; or, according to the Use the An-tients imagin'd it to be of, from the Spicen to the Sto-mach: For their Norion was, that by means of this Vessel, the Speen supplied the Stomach with an acid Julee; which acting on the inner nervous Membranes of the Stomach, acting on the inner nervous Membranes of the Stomach, caus'd the Senfation of Hunger; and at the fame time mixing with the Foods contain'd therein, affifted by its acid

ing with the Foode containd therein, addited by its acid quality in the Diodaston thereof. See Sever. Rev. HONORE, 25C. But upon eximining the little Branches of this Veffel more accurately, we find they doer pierce into the Seomach, and that they are no more than Branches of Veins, ferring to return the Blood into the Splinic Vein; where it paffes into the Vens Porta. See Strenke, and Poarra. VASA Adippo, Preparaming, Sec. Soc Antyona, Pas-PARANTIA, &C.

Vasa Concordie, among Hydraulic Authors, are two Veffels, fo conftructed, as that one of them, the full of Wine, won't run a Drop, unless the other, being full of Wado run al

cer, do rus ano.

Their Structure and Apparatus may be feen in Wolfisst,
Element. Mathef. T. II. Hydrasil.
VASCULAR, in Anatomy, is applied to any thing confitting of divers Veffels, Venn, Arteries, Ef.
Thus, we fay, The Jeffender and Valvular Texture of the

Lungs.
All the Fiefth in an animal Body is found to be Vafenlar,
All the Fiefth in an animal Body is found to be Vafenlar,
none of it Parenchymous, as the Antients imagind. See
Figure Parenchymous, US.
Vascular, Vascularius, in Antiquity, was the Denomination of a kind of Tradefinen, or Artificers, among the
have Domain.

antient Romans.

The Vafentarii were properly a kind of Goldfiniths, or Workmen who made Silver and Gold Veffels without Relievo's, or Figures of different Matter thereon.

Hence, according to Sathnafini, it is, that Greer in his Vib Oration againt Verve, diffinguisher Nafentarius from

Celators, and the classification of the Corest Sections, which was the An Congranding Comments of process, Score, we seek Mexis, to Vales of other Mexis, the Popularization of Comments of the Comments of th

VASCULIFEROUS Plants, arc, according to the Bota nifts, fach as befides the common Calyx, have a peculiar Veffel or Cafe to contain the Seed; which is fometimes di-vided into Cella. See Plant.

These have always a Monoperalous Flower; either uniform, or difform. See Monoperalous.

The former, have their Seeds all divided, 1°, into two Partitions, as the Hypergramms, Nicotions, Principes, and the Control of the Nicotions of Principes.

Gentians. 2°, 10to three Partitions, as the Convolvulus, Speculum Veneris, Trachelium, Rapunculus Campanula, Re-punculus Corniculatus, &c. 3°, Into four Partitions; as the

Those of the latter Kind, which have a difform Monopetalous Flower, as the Linaria Pingnienia, Antirrbinum, Aristolochia, Scropbularia, Digitalis, Pedicularis, Melampy Euphrafia, &c.

VASE, a Term of equal import with the Latin Ves, whence it is form'd; and the English Vessel.

whence is in formed 3, and the Douglith Voffel.

It is applied to a sensiter Vielids, and good mounted-spound, or otherwise found, and preferred in Calmers, tife, as Velf-leged Sectifice, Urin, tife, and not used to the Markey of Sectifice, Urin, tife, and not used to the Markey of Sectifice, Urin, tife, and not used to the of Optida, Percelain, tife, Values, in Architechar, are certainly Obserments, paired on Corniches, Soolen, or Federlain, repredening the Vielids of the Antienan y particularly their fairly observed to the Professionant, Simposium, Incentic-Pose, and Esserved to all which are excellently entire that Markey Review Post and which are excellently entire that Markey Review Post and which are excellently entirely with Markey Review Post and which are excellently entirely with Markey Review Post and which are excellently entirely with Markey Review Post and which are excellently entirely with Markey Review Post and which are excellently entirely with Markey Review Post and Professional Profe

They are communly placed there to crown or finish Fa-cades, or Frontispieces. See Crowning.

They are frequently call'd Acrotorie; and are usually infulate. See ACROYERIA

Vitywoins mentions a kind of Thestrical Vafes, made of Brafs, or Earthen Ware, call'd Echeia; which they disposed in private Places, under the Steps and Seats of the Theatres, aid and increase the Reflection and Resonance of the tors Voices, &c. See THEATRE.

'Tis faid, there are Vafes of this Kind in the Cathedral Church of Milan.

Vase is particularly used in Architecture, to figuify the Body of the Corintium and Composite Capital; call'd alfo the Tambour, or Drum; and sometimes the Campana, or

Bell. See Corinthian, and Campana.

Vasz is also sometimes used among Florists, for what

they otherwife call the Celyx.

The Vale, or rather Calyx of a Tulip, is the Top, or Head of a Tulip; the Leaves whereof torm a kind of Vale, or Cap. Sec Calyx.

Heat or 8 a.m./ 3.m. or Cap. Sec. Ca

at first, were given to none but Military Men. See Fex.

\*\*Du Cange will have the Word to come from Vassus.\*\* which antiently fignify'd a Servant or Domestic of a Prince,

which saniently fignifyed a Servant or Domeltic of a Prince, and Geneticuse the Country, or Mightyer in public Trials or Gift, or Geffort, as sanient Gathly Word, ignifying Fellow, or Companion in Arms 4 from Giff, or Geffort, as a sairce of Gathly Word, ignifying Fellow, or Companion in Arms 4 from Giff, or Geffort, as a sair of Favelia and a mong them, whence also he will have it to be, that they are found entire actiled Fabetra. VASSALAGE, the State of a Faffit or a Servinded Dispendency on a faperior Lord. See VASSAL.

and Dependency on a fuperior Lord. See Vasiast.
Antiently, those distinguish de beween Light e Pfallarge and
Simple Pfallarge.
Light of Pfallarge.
Light for the Company of the Company of the Company
Light for the Company

the Service and Durice incumbent on the Tenant. VASTO, in Law, a Wit that like for the Heir, against the Tenant for Life, or Years, for making waste; or for him in the Reverfloon, or Remainder.

VASTUS, in Anaromy, a Name common to two Muscles of the Leg, diffinguish into internat, and externat; that call if from their largeness; both of 'em serving to extend

VASTUS

VAU [ 283 ] VAU

Vasy's Externs, fprings from the Root of the great Freebauter, and from the Lanes Alpers; outwardly read-nous and inwardly flefty; and defeeding obliquely fewards, becomes, vice verfa, tendinous inwardly and flefty outwardly; by all meeting the Tendon of the Rectus, it grows quite readinous, and is infrired reaction within.

by 3 till meeting the Tenden of the Rettins, it grows quartendinous, and is inferred reopether with it.
VASTUS Internat, salies likewife partly tendinous, and partly fields, from the Linus Affers, immediately below the left Yireksatter, upon the contined almost to the lower Applysis thereof, on the infide is whence it defends obliquely, and growing tendinous, it is all such the forems.

fide a whence it detectors company; is inferred with the former. VAT, or Fat, a kind of Veffel, ufed to baid Wine, Ale, Berr, Syder, orany other Ligaco, in the time of its Preparation. VATICAN, is properly the Name of one of the feven Hills whereon Rowe Bands: On the Foot hereof is the feven of the Charth of St. Peter, hence called the Patters and Charth of St. Peter, hence called the Patters and nomination.

nomination.

Hecce arise divers figurative Expressions; as, the Tbunderbest of the Vatices, q. d. the Pope's Anathema, Ed.

The Library of the Vatices is one of the most colorated in the World: It is particularly remarkable for its Manuscripts. Towards the beginning of the last Century, it was greatly augmented by the addition of that of the kile-

tor Palatine. times a-Week.

It is open to all the World three or four

times a week.

In it are fixen a Firgil, Terence, &c. above a thousand
Years old; the Manaforpe whereon the Edition of the Septranspire was made; and abandance of Rabbinian Manaferiers. Sec Linkary.

The Word, according to Anius Gellins, is derived from
Mathimus, Prophecy; by reason of the Oracles and Predictions which were taked to be delived there by the Infjidictions which were taked to be delived there by the Infjiration of an antient Deity, called Vaticants; who was imposed to unbind the Organ of Speech in new-born Children; and whom others will have to be no other than Jupiter,

and whom others will have to be no other than flapter, confider it in that Cinguicy.

VATICUSATION, the AG of Prophecying or Divining, See Div

Safety, and Health

Sziety, and Health.

Some derive the Word & valvis, quafi obigatus fit adflere
ad valvas Domms, vel daguns fit es intrare; as being a
Perfon oblig do wait at his Lord's Don, or wortby to enter thereat: But the Erymology is ridicalous enough.

The Cause four they were all'd delinatives and delina.

ter tracease: Bust the Entymology is indications emonym.

Du Conge Busy, they were called Valsapres, and Valsafini; and were of two Klieds: the great, called Valsapres,
who held of the King; if oth were Counts and Barons: and
the lefter, called Valsapfini, who held of the former.

VAVASORI, the Quality of the Lands, or Fee held
VAVASORI, the Quality of the Lands, or Fee held

by a Vavasor.

There are base Vavasories, and frank, or noble Vavasories; according as it bath pleas'd the Lord to make his Va-

Signr. Bask Vausfories are those for which the Lord of the Fee wes Summage, Light-horse, Rents, or other Services. Free Vausfories are such as are exempt from these Services. Quod dicitur de Baronia non est observandum in Vavaloria,

Zunn dettur, de Baruna um ets objervandum in Vavalona, vol alit misorbus fechi yann Barona, quis capu non babeut fieut Barona. Brack Lib. II. cap. 30 VAUDOIS, or VALTEMERS, or WALTEMER, a Name given to a Scc of Christians, who made their first appear-ance about the Test 1160, 30, 1, as others will have it, about the Year 1118.

he Yest 1118.

The Oceasion of their Rife is thus delivered: \* In an Affamily of Several of the more confidentible Criteriae of Affamily of Several of the more confidentible Criteriae of Ungan wither, Diverse Falls, who was one of the Number, being firster With the Accident, difficulted a large Sum of Morey among the Fore on the Seye. This drawing a large Sum of Morey among the Fore on the Seye. This drawing a more control of the Company of the Company for t

in the valgar Tongue.

"The Clergy loas began to ery out on him as a raft laturator, but he, despitate, their Respirance, fall held on a reader, but he, despitate, the reader having caragrarental him, be began to educins against every expend their corrections in the correct of their corrections in the greek, care to enclude from of the Corruptions in the Discipline and Discline of the Chauch." And this part of the Caragraphic and Discline of the Chauch and the part of the Chauch. The standard had their Name from this Fallow, whole Re-

The Vaudors had their Name from this Valdo, whose Re-tainers they were. They were also call'd Lyonists, and Sa-batez, or Injubatez, or Engabatez.

VAULT, Fornix, in Architecture, an arch'd Roof, 60 contriv'd, as that the feveral Fornisirs, or Fault-Stones whereof ir confifts, do by their Disposition suftain each other. See ARCH.

Vaults are to be prefer'd, on many Occasions, to Soffits, or flat Ciclings, as they give a greater Rife and Elevation and besides, are more firm and durable. See CIELING,

Root, 56.
The Antenets, Salangian observes, had only three Kinds of Fashir, the Farmis, made cold-swife; the first, the Fashir, the Carrier, made by the French Call de Fashir, and the Carrier, made of Theory of Crew with: The third Call of the Fashir as growing narrower and narrower.

But the Modern Solidivide their three Sorts into a great property of the Call of the Carrier, and the Call of the Ca

to their Figures and Once roune and Organization (hippiness). See The Sweeps of forme, again, are larger, others left Portions of a Sphere: All above Hemispheres are called bugh, or formounted Vaules; all that are left than Hemispheres,

are low, or furbaged Vaults, or Testudines, &c. In some the Height is greater than the Diameter; in others 'its lefs: There are others, again, quite flat, only made with Hannfes; others Oven like, or in form of a Culse Four, &c. others growing under as they lengthen, like

Trumpet. 

Gate, &c Double Vault, is fuch a one as being built over another,

Double Finiti, is fisch a one as being built over another, on make the extent Decemine range with the interrupt, leaves on make the extent Decemine range with the interrupt, leaves vity of the other; a six the Donne of St. Ppter's at Rimm; Paults with Compartment, and each whole Sweep, or inner Face, is earlich with Planuke of Scalpara, Espared on the Compartment, and and the Compartment, and the Compartment of Scalpara, Espared to the Country of the Country of Scalpara, Espared to the Country of Scalpara (Scalpara) and Vaults.

### Theory of VAUEYS.

A Semicircular Arch, or Vault, flending on two Piedroits, or Imports, and all the Stones that compose them, being cut and placed in fach manner, as that their Joins, or Beds, being prolongly, do all meet in the Centre of the Vault; 'its evident, all the Stones must be in form of Wedges, i. e. the orders, all the Stones must be in form of Wedges, i.e. and the suder and digges are pith an aborton a by streng must be suder and digges are pith an aborton a by strength of the superior of the sum of the

well as the key, it wood tend to fall with its whole Weight; and wou'd extaully fall; but for the Morrar. The focond Scone, which is on the right or left of the Key-Stone, is infaind by a third; which, by virtue of the Figure of the Fault, is necefficially more inclind to the focond, than the focond is to the firit; and of confequence, the fecond, in the Editor it makes to fall, employs a left Part of its Weight there the fail. than the first. For the fame Reafon, all the Stones, reckoning from the Key-Stone, employ still a less and less Part of their Weight,

Key-Stone, employ till a lick and lad Far of hird: Weight, to the lad a wise friting on a horizontal Fance, employ so port of its Weight; or, which is the fame thing, make so others in fall; a being entriefy lappered by the impact of the land of

infinitely heavier infinitely heavier.

M. de la Hure demonstrates, what that Proportion is, in which the Weights of the Stones of a Semicircular Arch, must be increased, to be in Equilibrie, or to tend with capal Forces to fall 3 which is the firmed Disposition a Vasile

can have

Before him, the Architects had no certain Rule to con Better aim, the Architects has no certain Aule to consider themfelves by, but did all at random. Reckoning the Degrees of the Quadrant of the Circle from the Key-Stone to the Impolt, the Extremity of each Stone will take up to much the greater Arch, as it is further from the Key.

So much the greater Arch, as it is further from the Keyr. M. de la Her's Able, is, no augment the Woight of cade Stone, above that of the Key-Stone, a much as the Tangent of the Arch of the Stone, exceeds the Tangent of the Arch of half the Key. Now, the Tangent of the Arch of half the Key. Now, the Tangent of the all Stone, of the Control of the Arch be Drift of the Vault.

M. Parent has fince determin'd the Curve, or Figure which the Extrades, or outfide of a Vault, whose Intrades, or infide, is spherical, must have, that all the Stones may

be in Equilibrio. DO IN LYMINOTIO.

Key of a VALLY, is a Stone, or Brick, in the middle of the Vasul, in form of a truncated Cone; ferring to bind fasten all the reft. See Key.

The Reins of a VAULY, or the filling up, are the Sides which fulfash is.

The Pendentive of a VAULT, is the Part inspended, be-

tween the Arches or Ogives. See PENDENTIVE. tween the arease or Ogness. Sec PRIDENTIVE.
The Impels of a Value, is the Stone whereon the first
Vastifier, or Stone of the Vastit, is laid. Sec Issuers, U.C.
VALUE, or VOLY, in the Manage, an Action of a Hote,
wherein he turns round, or makes a Circle side-ways, going

round a Centre. There are some Vasilis wherein the Horse makes two

There are fone Futuri wherein the MrG makes row parallel Gricle, he cae with his fee Feet, and the other with his hind; and others, wherein the Ruefe making Garwin and the state of the st by the hind-Feet.

A Demi-Vault, or Half-Vault, is when the Horic only goes half the Circle, and comes back again the same way. Vault is also used for the Manages practised on the wooden Horfe, to learn to mount and unmount with Eafe and Ex-

VAUNT-Lay, among Hunters, a fetting of Hounds, or Beagles in a readincis where the Chace is to pais; and caffing em off before the reft of the Kennel come in. See

VAYVODE, or VAIVODE. See WAYWODE.

VAYVOIDE, or VAYVOE. See WAYWOE. SEE WAY WORD UBIQUITANTS, URIQUITANTS, OF URIQUITANTS, or URIQUITANTS, as Sect of Herericks, which role and fipread it fell in Germany's and whole dittinguishing Doctrine was, that the Body Jefus Christ is every where, or in every Place. Breating, one of the cartiel Reformers, is faid to have Breatists, one of the earlieft Reformers, is faid to have fift broach? this Error, in 1560. Melanchon immediately declard against it; maintaining, that it introduc'd, with the Eurycheam, a kind of Confusion into the two Natures of Jesus Christia, and provested that he would oppose it as long

On the other hand, Andrew and Flaceins Illyrius, Offen-r, &c. espoused Bremius's Party; and afferted, the Body

of feet Christian be every where.

The Universities of Leighted and Wretenberg, and the getThe Universities of Leighted and Wretenberg, and the generality of Frotelants, fer themselves against this new Herefs, but in vian 'The University grew fronger and
erfs, but in vian 'The University grew fronger and
fronger. Six of their Leaders, Smiddle, Schacer, Mighted

Foremers, and Generals, having a

Determination of the Christian of Contents, the conifronger. Six of their Leaders, Smidellin, Sunaccer, sunjectulus, Chemanitius, Chymerus, and Cernerius, having a Meeting in 1577, in the Monthery of Berg 1 they there compoled a kind of Credo, or Formula of Faith; wherein the Ubiquity was chablish'd as an Article.

All the Ubiquifts, however, are not agreed: Some of 'em and among the reft the Sweeter, hold that Jefus Chrift, even during his Mortal Life, was every where: Others maintain, that 'tis only fince his Ascension that his Body is every

G. Hornius will only allow Brentius to be the first Propa G. Hermits will only slow Bremits to be the full regard of Uliquitility; 116 full investor, according to him, was John of Wellpholdta, a Minister at Hamburg, 11153.

In the University of Paris, Ulphynili is a Term applied to fuch Declors in Tocology as are nor reflusing do only particular Hotels, either to that of Neweri's, or Safemen.

The Uliquid's are called fumply Declars in Theology; whereas the others add, of the Hotel of Derkmen, or Nawers, the Others and, of the Hotel of Derkmen, or Nawers the Others and, of the Hotel of Derkmen, or Nawers and the Other and the Control of the Other and the

varre, &cc. See SOR SONNE. The Word is form'd from the Latin Adverb, abique,

UBIQUITY, more properly call'd Omniprejence; an At-tribure of the Godhead, whereby he is always, intimately prefers to all Things; gives the Effe to all Things; knows, preferves, and works all, in all Things. See Gon.

For fince God cannot be faid to exist in all Places; as

For fince God comon be full to exist in all Placer, as placed therein, finces, then, he would not collectiviting to the Entitione, when he would have Extendion, Practificate, which is also a full, mirror field as a full, mirror find effective Conf. in all he Effects. He is prefear, therefore, to all his Centuror, as a pure Ad, or as Exercite of an active Viture, which knows, pred, or an extendion of an active Viture, which knows, the Confirm of the Con and MILE.

and Max. Ordenis, and manuscame of statements of the Powers; more wish, by Gill the Leavy. See Leaville, the Comparison of the Powers; more wish, by Gill the Leavy. See Leaville, the Comparison of the Compariso

NOITEE. VEER, a Sea Term, variously used. Veering out a Rope VEER, a Sea Term, varioully used. Veering out a Rope, denotes the letting it go by hand, or letting it run out of it felt: Thus, they fay, Veer move Gable; that is, let more run out: But they do not use the Word for the letting out

run out: But they do not use the Word for the sering out of any running Rope, except the Sheet.

The Word Veer is also used in reference to the Wind; for when it changeth often and suddenly, they say, the Wind

contests.

Alio, when a Ship, under fail, hath her Sheet certed out, they fay, She gets verting, that is, at large, either by a Wend, no adricely before it, but between both; which they will not be the state of th

commonly call'd the Fregative Some over NUMBERS and VEXTA-YES.

Berbauer very Geinstelley Medies - Streetlev to be.

Berbauer very Geinstelley Medies - Streetlev to be.

Berbauer very Geinstelley Medies - Streetlev to be.

Berbauer of the Earth, to which it adheres, de is consected, by Farra colled Koon, fart which it rectives the Matter of its Nonfifment, and Interests; and consists of Judecs, and Verdies, family difficult to meet other to Rev.

Fregather is an organical Body, composit of Verdies, and Judecs, root where the Body composit of Verdies, and Judecs, root when the Body, from which it derives the Matter of its Life, and when the Body, from which it derives the Matter of its Life, and

This Definition furnishes a just and adequate Idea of a Vrgetable: for by its confisting of Vessels and Juices, it is diffinguished from a Fossil; and by its adhering to another

dilinguill's from a Notill's and by its abbering to souther Body, and deriving in Nourillment theoriton, it is dilin-guill's flom an Animal. See Possts, and Animal. A Fegurils in defined or Departed They, Receive Consti-fied and the Possts of the Constitution of the Constitution of the Inne Function of the Inne Function of the Inne Function of the Inne Function of the Inne Function. See On Animal. Makering John of the Possts in another Body; for we know of no Funct that is 6 abblicately sugge and industring, we will be a supplied to the Inne Function of the Inne Land of the Inne See On Animal See On See On See On See House of Constitution of the Inne See On See On See On See As to those for Funce which appear to the Inne See On See On See And to those for Funce which appear to the Inne See On S

and to tome five community appear to meat with the Waters, which was not proposed and plant all Plant and the Waters of the Water of the Waters of the Water of the Waters of the Water of the Water of the Waters of the Water of the Waters of the Water of the was pour'd on.

The Iame fuceeds in a Sycamore, Walnut; &c. tho the Flax here is not fo copious. Phil Translatt, No 70. Three are Secrets whereby the Growth of Vegeteblet is furprisingly promoted. Mr. Zoyle mentions a Viruso'o, who concertain d his Friends at the End of their Meal with a Statement of the Friends at the End of their Meal with a Statement of the lad of Lettices, which he fow'd in their presence, immedi-

ately before they far down to Table.

The Chymiits have furnish'd us with some very extraor-

The Chymith have furnish as with fone very extractionary Vergutales; as the driver Diputes, driver Martin, &c. In effect, Good, Silver, Iron, and Cepper, being respace deception, or grows, to the sale and of Tree, which expected, or grows, to the sale of the American State of the Banches, Leaves, &c. the whole height of the Water; till all the Marter is from therein. See Taxz.

This Water the Chymith call Full Water; the Secret Communicated by Redat Canally, a Secret Chymin Communicated by Redat Canally, a Secret Chymin.

Greek Chymist

Greek Chymit.

YBGETATION, the Ad whereby Plants receive Nourithment, and grow. See PLANT, VEGETABLE, EG.

Plants, we learn from the Microfrope, confile of different
Parts, Vefels, EG. analogous to thole of Arimais: And
Farts, Vefels, EG. analogous to thole of Arimais: And
ferent Humon; and the property of the Property of the Control
ferent Humon; and Register of Control
which is confidered as the Desire of them of them
all Sea Sun and Register.

all. See SAP, and BLOO

Dr. Grew affigns the Offices of the feveral Veffels: Those De Grev siligua the Officio of the fevral Veificis Thois placed on the tart Vergo of the flast, he cale Lymphe dead, and disposes can decided for the Conveyage of the Action of the Conveyage of

giometrately for the Veffeits of a Plant are Pifters drawn out at length, See Vertexan.

To the Nurition of Plants, as well as Animals, in ferms noedling that there is a Concurrence for two feedings that the contract of the Concurrence of two fields Hamman Anthermitian and Internativate of two fields Hamman Anthermitian and Internativate of two fields Hamman Anthermitian Contractions of the Concurrence of the Kipening, Obdern, Coloura, Ed. are accounted for Kipening, Obdern, Coloura, Ed. are accounted for the Concurrence of the Kipening, Obdern, Coloura, Ed. are accounted for the Concurrence of the Kipening, Obdern, Coloura, Ed. are accounted for the Concurrence of the

Theory of VEGETATION.

The Process of Nature in the Vegetation of Plants, is very accurately deliver'd by the excellent Malpighi, to the

very accurately occurately one field belowing.

The Egg (or Seed) of the Plant being excluded out of the Orary, (call'd Post, or Husts) and requiring further folering and brooding; is committed to the Earth. See Stran, and Eoo.

The Accurate of the Post, or Husts and Post of the Earth. See Stran, and Eoo.

The Earth See Stran, and Eoo.

The Earth See Stran, and Eoo.

The Eo

Starn, and Eco. There, that kind Mother having received it into her Bo-form on the continue of Incubation, by her com-ton the continue of the Continue of Incubation, by her com-ton the Sau 3 but, by degrees, fupplies what the Seed requires for its further growth; as abounding every where with Can-sals and Situs, swherein the Dow, and Rain-Warer, im-preparate with furtile Salvis, gilde, like the Chyle and Blood in the Arteries, §5.6° of Animah.

in the Arrories, §6. of Animals.
This Monthers meeting with the new depolited Seed, as
This Monther meeting with the new depolited Seed, as
Raid, or Harft (corresponding to the Aeronderic of Jearsty)
And the India whereof is one or most, commonly two, thick
Seminal Leaves, tasfeering to the Phieseras in Women, and
Seminal Leaves, tasfeering to the Observation Women, and
The Seed-Leaves confill of a great Namber of livit
Vification, or Blaideers with a Tube, corresponding to the
North-Hirigs in Animals. See Unsattrent.

Navel-thring in Animals. See Unstrictus. Into the Ergentee it received the Moliture of the Earth, trained that the Kind of the Seed, which makes a flight trained that the Kind of the Seed, which makes a Wight This fermentee Liques in conveyle by the Unablicative fel to the Trunk of the little Plans; and to the Gum or Bad, which is configuous theretor your which, a Fogretation and increase of the Parts furceeds.

the illustrious Author exemplifies in a Grain of Wheat; as

The focus Day; the Spentielle or Hell, being backet their of the Stem. or Top of the future Starse, appears the the continue tentroof, and grow superate by Sugera. In the most tentroof and grow superate by Sugera. In the most target with its Polinatir, and pain for the Roses, becomes target with its Polinatir, and pain for the Roses of the Plant Lead toning paid and yary, you feet the Roses of the Plant Lead to the Staff, will be a superate the Control of the Staff, will be superated as the Staff of the Staff, will be superated as the Plant Lead to the Staff of the Staff, with its very monit, the it till reclaim to Plant Lead, becomes unjud with the Jules which it has received. Lead, becomes unjud with the Jules which it has received. Thus the Plant Foundation that the Staff of the Staff

Roots affo break forth greenish, and pyramidal from the gaping Sheath, which adheres closely to the Plant; and the lower Root grows longer, and hairy, with many Fibres

gripte Shenh, which shiltens chiefy to he Pinat; and the work Noor grows Donger, and halfy, with many! Tilled Indeed, there are hairy Fibres banging all along out ill the Root, except on their Tips; and their Fibres are foun to the Hollen of the Hollen o

Seed-Lear begins to rade.

The fixth Day, the Stable-Leaf being loofen'd, the Plant
mounts upwards; the Sheath-Leaf fiill cleaving about it
like a Bark. The Seed-Leaf is now feen finuous, or wrinmounts upwareng into operate sheer run current, as recommendation of the control 
After the eleventh Day, the Sood-Loaf, as yet flicking to the Plant, is crampled, and almost corrupted; within, it is hollow; and about the Secundine, the mucous and white is hellow; and about the Secundine, the museus and waite Subtiance of the Seed being continued to the Navel-knot, forms a Cavity. All the Roots becoming longer, put forth new Branches out of their Sides: The Seed Leaf withers, and its Veficles are empty'd: The Intermodes, or Spaces beand in veneric are camp; or a new Gems appear; and the middle Root grows feveral Inches long. After a Month, the Roots and Stalk being grown much

After a Month, the Roots and Stalk being grown much longer, new Buds break out at the first Knot, and little Tamors bunch out, which at length break into Roots. For other Critimpliances, fee Generation, Sar, Seld, Radiele, Pluman, Plantennicolarity, Parallelism, 36. and little Tu-

Additional to the control of the con

Agreeable to which, is another fam'd Experiment or Feat Helmont; who drying no Pounds of Earth, and plaining a Willow which weight dire Pounds therein, he water'd it only with Rain, or dillivil Water; and to feature it from any other Earth, cover'd it with a perfected in Cover; Ar few Yater and, weighing the Tree, with all the Leaves it is been a proposed to the control of the Cover of the Co To afcertain this Point, Dr. Woodchard has made found

To attentian this Penn, Dr. Prossessors and made some very good Experiments, which, at the fame time, give light to many other Circumstances of Vegetation. His Experiments are most of 'em with Sprigs of Mint, and fome other D d d d.

Plants, nicely weigh'd, and inclos'd in equal gials Phials, well cover'd up with Parchment; leaving only room for the Stems to afcend thro'it; and fill'd with Water: fome with Spring Water, others with Rain Water, others with Thames

Where.
At the End of 77 Days he took 'em all out again; weight of ten, as alls the Ware left; and compared the Weight of ten, as alls the Ware left; and compared the Weight of the Plant, to the Engence of the Weight.
The next Year, wir. 1659, he midd rieft. Experience The work has finner Plant, and that faunch for the English with the finner Plant, and that faunch for the English with the finner Plant, and the Third Plant Plant Could will water alone, others with the finner Water, and a certain Properties of Conferent Middle Value 7, and chosen to the Art the End of 50 Days, he weight the Plants, Water, Ser. and compared what eith Plants and grill, what Quantity of Water was expended on the Plant, and the Plents Plants of the Thirty, of the Representation of the Thirty, or the disserted with the Mater.

Water.

waste.

The Refult of all which Experiments, he gives us in the following Observations and Reskections:

9. In Plants of the firme Kird, the left they are in bulk, the light left are in bulk, the light left are in bulk of the faith of the faith May, in which they are for, it advance by; the Conditionion, where the Mass is of equal thickness, being pretry nearly proportion of to the Bulk of the Plant. the Plant.

coal intentes, being pretty nearly requested to the case. In ceitifie, the water feem to efect any the Verlies of Flants, in much the firme summer as up a litter \* and it is Verrett than the firmely summer as the present that the versal and unger Verfick, flood take up a greater Share of the Particle of the state of

The leaft Peoportion of the Water expended, was to the Augents of the Tann, and or yo to 1; and in time to expended. Augents of the Tann, and or yo to 1; and in time to expended the time of the time of the time of the time. The time of the office of time of the office of the office of the office of the office of time of the office of the office of the office of time of the office of the office of the office of the office of time of the office of time of time of time of the office of time of the office of time of time of time of Vegetables, in warm humid Scafons, than in any others.

3°. Agreat Part of the terrestrial Matter that is mix'd with Water, ascends up into the Plant, as evell as the Water. water water, agenus up into the Plant, at well as the Water. There was much more terechiral Matter, at the End of the Experimens, in the Water of the Glaffiet that had no Plants in them, than in home which had Plants. The Garden Mold diffulved in fome of the Glaffies, was confiderably diminified, and early off pr. pay, the terrefinal and vegetable Matter, was borne up in the Tubes filled with Sand, One of the Carlo Matter, was borne up in the Tubes filled with Sand, One of the filled with sand, One of th Matter, was home up in the Tubes hilled with Stand, One, &C., in that quantity, as to be crident, even to Senfe : and the Bedies in the Cavifict of the other Tubes, that had their lower Ends immered in Water, wherein Selfinco, Coshineal, &C., had been innard, were sing d with yellow, particip, &C. To look ahead a first nowards on Shorea, and Pars within the Varge of the Sca, thefe will prefer us with a large Schoen of Plants, that along with the Vegetable,

take up into them mere Mineral Matter allo, in great abundance; fuch as our Sea-Purllain, the feveral forts of Algas, of Samphires, and other marine Plants: Those contain comof Samphires, and other marine Plants: Those contrain com-mon Sea Sales, which are the fame as the Folill, in fuch plenty, as not only plainly to be diffinguished on the Palate, but may be drawn out of them in confiderable quantity: nay, fome affirm, There are Plants found that will yield Nitre, and other Mineral Salts.

The Vegetable Matter being very fine and light, is fur-prizingly apt, and disposed to attend Water in all its Mo-tions and follow it into each of its Recosses; as appears not only from the Infrances above alledg'd, but many others: percolate it with all the Care imaginable, filtre others's peculate it with all the Gree imagnable, filter in with never for may Filtration, yet from extreption. More in which we for my Filtration are in the control of th Vegeteless. And this is the Calc of Kalin Water's the Quan-ticy of terefiftial Matter is bears up into the Atmosphere, is not great; but what it doth bear up, is chiefly of that light Kind, or Vegethibe Matter, and that, too, perfectly difful'd, and reduc'd to fingle Corpusles, all fit to enter the Tubules and Veffels of Plants; On which accounts it is, that this Water is fo very fertile and prolifick.

Janus; san vettico o l'Initia. Un waica escodiati i il, dist. The Recfie wiy till the terchicit Matternised with the Water, does not afendi into the Plant, is, inhe tile mineral Marter makes qui rest cold of it, which no onity pier i and enter the Plant is, inhe tile mineral Marter makes greet cold of it, which no onity pier i and enter the Plant is pier. See the pier i man and the pier i m

semont Festistims.

Some Authors inagine Nirus effectival to Flinst 4 and that solding in the Vegenable Kingdom is transferred as the control of the Control promote Vegetatio.

chitution.

The firm way is Lines likewise ferviceable in this Affirir The Humbardmen fay, it does not fixtue, but only mellows the German is by which they mon, it both not complete the Vegenth's Mondal, or sinfed any Marter fit for the Fermanion of Flants, but merchy fofters, and rolesas the Earth by that means, specing it more capable of entiring the deeds that no electric like would have been. The Properties of Line are well known, and how hay it it to be put in Ferman and Commonton by Water; a nor faith Commonton ever largem when Lines is inside with likely hereover the control of 
ing it.

4. The Plant is more or less nourified, in proportion,
as the Water in which is flands, contains a greater or
the Committee of proper terrestrial Matter in it. The as the Water in which it stands, common a great in in. The smaller Quantity of proper terrestrial Matter in it. That

Truth of this Proposition, is disternable thro' the whole Pro-cess of this Author's Experiments. The Mint in one of his Glastes, was of much the same Baik and Weight with that of two or three gibers : But the Water in which the that of two or three piters. But the Water in which the first was, bugg Kirey Water, which was apparently lord in fair was, bugg Kirey Water, which was apparently lord in the water was a substantial water, than the opining or main Water was a substantial water, than the opining or was a simulal double the Bells that either of them bals, and with a 16s expense of Water nos 1 so likewise the Mine is neather Casis, in whole Water was differed in 10m2 and with a 16s expense of Water nos 1 so likewise the Mine is neather Casis, in whole Water was differed in 10m2 in 10m2 to be Jole, when first fit, thus either of the Mines in now of the water was the water with the water with the first only had now of the Earth mixed with it; yet, in a short of the water was the water was the water was a substantial was a which was a substantial was a substantial was a substantial was a substantial was a water was a substantial was a subs

others. Reafine why the Proportion of the Insection of the Purper Insection of the Purper Insection of the Quality of proper generational Man-sor in the Water, is, that all, even Vegetable Matter, is, that all, even Vegetable Matter, is, of the Courliments of every Fines, Nor do there what good Indications, that every Kind of Vegetables and Assauffances; yes, each Part of the fine Vegetables and that there are very many and different Ingredients to the Courling of the Cour

and that there are very many and different Engeridiens to get to the Composition of the famin invitabilities of the properties of the properties of the family and the properties of the propert acets, autre, ger bat one flouid be sourling, another positions; so one purigen. And this dra-gument makes equally strong against those who suppose the positions of the control of the control of the against the strong against the control of the Water ween few map on it. But his might possible, so where ween few map on it. But his might possible, where we few map on it. But his might possible, where the either of the puricials flues; but on the Water's being an improper Medium for it to gow in I. Too much of that with the control of the control of the control of the Matery that of the control of the control of the Matery that the view of the control of the control Sauter that the Velfick, not his few them to by pold of it. But as further Proof of this Delives, in, That the Soil, coe proper for the Toolkins of time is not always the Topperty and Gowen in force Lands, and later in octors.

cace proper for the Production of lome for of Vegenshie, does represently and form of the Property and Goren in Gene Landa, and later in others if Whest, for Example, is fow upon Land proper for that Second, and the third, a stong a site Groom is like like as the Piersen call it; a but in a few Years it will produce no as the Piersen call it; a but in a few Years it will produce as the Piersen call it; a but in a few Years it will produce no the produce of the Piersen call it; a but in a few Years it will produce no the Piersen call it; a but in a few Years it will be the Company of the Piersen call it; a but in a few Years it will be the Land can bring forth no more of it, it may afferward syield shounded with, being reduced by the faceoffers Crops, and mold off it, hence on Jack prints of the Piersen when the Piersen Company of the Pier

Nourillment immediately from Vegetable Bodles, or from toter Animals beta do is in perfection; the Bloed, Urins, other Animals beta do is in perfection; the Bloed, Urins, Hair, Wood, Festhers, esthed's Shelis, Leor of Wine and Berr, Afther of all fatter of Vegetable Bodles, Leaves, Straw, Roost, and Stubbin, started into Earth by ploughing, or Roost, and Stubbin, started into Earth by ploughing, or mure; and being vegetable Subdiances, when refunded back again into the Earth, forve for the Formation of other like Bodles. See Maxwax, and Contrart.

The like is observable in Gardens, where the Trees, Shrubs, and Herbs, after their continuing in one Station, till they have derived theore the greater Part of the Mansource, and term, after their confusing in one Shrison, source, and the Lenda and their confusing in the second and their confusing terms are set for their learnest; will decay and depotenties, unless their fair fair learnest set of the second and their confusion to the second time, but a few may minimal intendess there for more than the second time, but a few second time to the 
Reafon, why a Traft of Land final yield Whete on You, and not the ears, in since the Rain flowers down illice outself, and not the reast, since the Rain flowers down illice outself, and the since the Rain flowers of Fiber, but yie activities that there is a conflorable Quantity of this Matter, contained both in Atain, Spring, and Kiver Water; and the Part of the fluid Malt that clarched you be reasted to the Table of the Rain fluid of the R

or 'muley' quantity of that Magner From all which, we many restendily hirt, that Earth, and on Ware, is the Navy section of the Market, that Earth, and on Ware, is the College of Mind down up into it 1970. Grains of the field Mind, and yet had received bet 5 Grains of Inserter from it. It become, the it had at first the Different from it. It becomes the section of Inserter from it. It becomes the first that the the Different from the American of Inserter from It. It becomes the first the college of Inserter from the College of Inser

and after all, me daily increate of the Plant was no more than \$\frac{1}{2}\trace{Crains}, and the plant was no more than \$\frac{1}{2}\trace{Crains}, and Rein Water contain mear an equal Charge of Vegetable Master; River Water more than either of prem. These Proportions had in the main, but a first and plant Comparison is hardly to be expected; in affamich as in all to Comparison is hardly to be expected; in Rain, contains at all probability, the Water that falls in Rain, contains at all probability the Water that falls in Rain, contains at all probability and the contains at the contains at the contains at the contains and the contains and the contains and the contains at the contains and the all prebability, the Water that falls in Kalis, contains at foome times a greater than or fearerfullar Mater, than the more times and the contained that the contained the contained that the contained tha

VEI F 288 7 VEG

them.

This Fluid is capacitated for the Office here affigued it, feveral ways : By the Figure of its Parts, which, as appears from many Experiments, is exaltly and mathematically fiberical; sheir Surfaces being perfectly police, and without any tho least lirengularities. It is evident, Corpadies of fact a Figure are cally faceprized of Motion, and far a gray others whetever; and configurately the most explain any others whetever; and configurately the most explain. siny the least Irrespunction. It is evident, Corpuldes of lands a Figura are cell inflaming to inches mod capable of moving and conveying other Matter that is not in several control of the control of t

upon each other, as to be latecptible of every Impredition; and the not porpertually in Motion, mult be always ready and liable to be put into it, by any the flightest Force imaginable: The true, the Parts of Fire, or Heat, are not explained moving themselves, any more than those of Waters but they are more fastile; light, and active, than those are, and so more castly as the more fastile, tally, and active, than those are, and so more castly put into Motion. See Partition.

That the Concourse of Heat in this Word is really access.

That the Coxonir of Heer in this Wark is really seed-fary, appears not only from the Experiments before up, but from all Nature; from the Fields and Freelin, Gractions and Orchrids. We for in Autumn, as the Sani; Fourer is gar-tage, and the seed of the seed of the seed of the experiment flackens by little and little. In Failine is farti-dictionable in Trees, which being midd highed show the Earth, require a more intends bast, to elevate the Water changed with Nonafilment, on their Pings is that the water of freich Support and the seed of the seed of the water of freich Support and the seed of the seed of the most of the seed of the seed of the seed of the seed of the water of freich Support and the seed of the seed of the water of the seed of the seed of the seed of the seed of the water of the seed of the seed of the seed of the seed of the water of the seed of the seed of the seed of the seed of the water of the seed of the seed of the seed of the seed of the water of the seed of th Leaver, unies tecured by a very tirm and bard Conflictation indeed, as our Ever greens are: Next, the Shrabs part with theirs; and then the Herbs, and lower Tribes: the Heat being, at length, nor fufficient to tupply even thee, the forest the Earth, the Fund of their Nontiflament. As the company and suspense to tripply even intels, the for Hart remains the interecting Spring, they all recent applic, and are familità with fieth Supplies and Veoducer. But first, the with are slowedt, and sucred the Earth, and that earthy Charge iron them; then the Siraha and higher Ve-perables, in their turns and littly, the Trees. As the iron that the press of the tripped spring the tripped properties and the present and the present and the iron that the press Rapidity, that fines and more render Plants. Third, therefore, pro 67, and deavy and others in as an once landy and viprous, and require agreety de-produced. Names formittless us with a very articus and dif-fering Betterminnent; and what is bell function out. Such As the Hart of the firetral Scaled affolion, as alternative.

As the Heat of the feveral Scalons affords us a different Face of Things, fo the feveral diffant Climates show the different Scenes of Nature, and Productions of the Earth. different scenes of Nature, and fromenous of the Barth. The heter Countries ordinarily yield the larged and tailleft Trees, and those, too, in a much greater Variety than the colder; even those Plants common to both, attain to a much greater Bulk in the Southern, than the Northern Climes:

inactive, and would lie eternally comind to its Beds of nay, there are founc Regimes to cold, that they mile to We. Earth, without advancing up into Plants; did not Water, perclubes at all to a considerable file; at the we learn from co founcil lie influences, tech in front, and carry it into Gregating, Eclassic, and other Faces of the cold Strustion of the lives of the cold Strustion of the cold Strustion. problem in the a consideration, there is many of the con-mand (Condition I) in their there are no Trees, and the Situation are poor, little, and low. Again, lowfule warmer Climates, the control of the control of the control of the control there are no control of the control of the control of the there are the control of the control of the control of the there are the control of the control of the control of the term of the control of the control of the control of the term of the control of the control of the control of the term of the control of the control of the control of the term of the control of the control of the control of the term of the control of the control of the control of the term of the control of the control of the control of the term of the control of the control of the control of the term of the control of the control of the control of the term of the control of the control of the control of the term of the control of the control of the control of the term of the control of the control of the control of the term of the control of the control of the control of the term of the control of the control of the control of the control of the term of the control of the control of the control of the control of the term of the control of vent their running up to too great a height. As to our Grapes, Apricots, Peaches, Nectarins, and Figs, they being transplanted hither out of hotter Countries, it is the lefs wonder we have a Failure of them in cold Summers. Nor is it the Sun, or the ordinary Emilion of the Subterranean Heat only, that promotes Vegetation, but any other indiffe-Heat only, that promotes Vegetation, but any other indifferently according to its Power and Degree 3, as we find from our Stores, Hor-Beds, &c. See Heat, Cold, Water, Earth, Soil, Tere, Dware, Pausinio, &c. VEGETATIVE, a Term applied to that Principle, or Part in Plants, by Virtue whereof they receive Nourifliment,

Part in Fanns, by Virtue whereoff they receive Nosuffluent, and grown, or organies. See Vestary 100,000.

The Fabliophers fpeck of these Kinds of Souls, the Fargestree, Soulites, and Ratistand. So of Souly Trees are the Fargestree Souls, is that Chief, 150. Souls of Fabrica Than Fargestree Fabricals is differently facts of different Planes: An ingenious Author observat, that, generally factoring the fargestree fluences and the Fargestree Fabricals, in File is easily between the Tunals, and Rosey at leaf, this appears to be the Time in most of the Graties and Chief. Souls of the Fargestree Fabrica Than Fargestree Fabrica Th

flictor again.

In other Plants, as the Rim, and many edible Plants, it feems to refide wholly in the Roots; which, if cut into ever fo many Parts, yet, those being planted in the Ground,

rer to many ratts, yet, those owns passets in the Crounds, foon grow. See Roor, and PLANTING.

In others, as the Willow Kinds, it feems to be diffus'd all over, host Root, Trank, and Brasches; informach rhat if cur into a thouland Pieces, there is no deftroying 'em without plainting em in the middle; and feareely then. See FORCUMPITY.

Lathy, I to other, as the Coreals, Fleat's, EG: It is factor that the Aday Bonaco, and Earth and

our Saviour. See TEMPLE.

In the Romifb Churches, in time of Lent, they have Veils, or large Curtains over the Altar, Crucifix, Images of the Saints, Se.

the Saints, 196.

The Term Viell is also aled for a largo piece of Cenye,
wore on the Head by the Nuns; as the Badge of their Fredion: Hence, to take the Viel, is to commence Religious.
The Novices wear white Viels; and those who have
made the Vows, black Viels. Sea, Novices.
The Prelate before whom the Vows are made, before
the Viel, and gives it the Religious. See Resistores, Bis-

NEUTCINO, S. A. Anatomy, a Name given to feveral VEIBN, VENA, in Anatomy, a Name given to feveral VEIBN, VENA, which receive the Blood from the divers Parrs of the Body, to which the Arteries have convey'd is from the Heart again. See

Hom ide ricerty and carry it near to the ricert again. See Bloop, Se.

The Veins are only a Continuation of the extreme Capil-lary Attents, reflected back again rowards the Heart. See CAPILLARY, and ARTERY.

In their Progress, uniting their Channels as they approach it, they, at lait, all form three large Veins, or Tranks, viz. The Vens Caus deformens, which brings the Blood back from all the Parts above the Heart. See Cava.

The Vens Cava aftendens, which brings the Blood from all the Parts below the Heart. See Heart.

And the Ports which carries the Blood to the Liver.

See Pour A. See. The Analytimafis, or InoCoulation of the Veints and Atteries, was fifth feen by the MicroCope, in the Feet, Tails, See. of Frees, and other amphilibora Animals, by Lecens-baseck, but has fince been obleved in other Animals, particularly the Omnontum of a Cat, by Mr. Comper, See. See Anastrona Asia, Cincentarion, See. Sec PORTA, &c.

romani, Ornecations, &C.

The Court of the Virin are four, the time with those of The Court of the Virin are four, the time the Viring as the Viring, as it is in the Capillary Arreits; the Fragilier of the Bood against the Sides of the Arreits; because the Force of the appearance of the Viring as it is in the Capillary Arreits; because the Force of the appearance of the Sides of the Arreits; because the Force of the Arreits; because the Wilcold and the Wilcold and the Viring as the Virin

toma a narrow Cannet to a wider. See Pulsa.

But they have a Perifikitick Motion, which depends on
their mucular Coat. See Perisaratric.

The Copillary Veint unite with one another, as has been
faild of the Capillary Arreits; only their Coarfe is directly
opposite: for instead of a Trank distributed into Besaches
and Capillarys a Verus is a Trank formed, done of a Con-

oppolite i pri initiate of a Transi, distributed into Branches and Capillacia, a Paris i a Transi formid out of a Coma of Capillacia, a Paris i a Transi formid out of a Coma of the Capillacia of the Paris, there are final Memberses, or Valves i Sementanes these is only one, in the Capillacia of the

Trunks. See VALVES,

The Voins are diftinguish'd, with respect to their Situa-

tion, into fuperior and inferior, aftending, and defeending; right, as the Mejenteria, and left, as the Splenic Branch; right, as the Mghureris, and igh; as the Splenic Branch's immortal, as the Bufflers and external as the Humeral temperal, the second of the second of the second of the second of the Bufflers where the Parts wherein the Parts which Deligions under their parts which the Parts which Deligions under their parts which the Parts which Deligions under their parts which the Parts which the Parts which Deligions under the Parts which the Parts whi

their proper Articles-

their proper Articles—
YIN is also applyd to the Streaks, or Waves of divers
Colours, appearing on feveral forts of Woods, Stones, &c. as
if they were really palanced, and which the Paintern frequently initiate in painting Wainfoots, &c.
Martho is generally fall of the Print. See Markel.
Lapit Lapull has Pens like Gold. See Larsis.
Obd., feeklang of the Meximorphofes of Stones into Men,

Que modo vena fuit, sub codem nomine mansit.

Frint, in Stones, are a Defect, proceeding usually from an Inequality in their Conflictnee as to bard, and 1691 which makes the Stone erack, and thirtee in those Parts. Vers., is also applied, in the time Sense with Stratum, to the different Dispositions and Kinds of Earth mer withal in digging. See Staatou.

in digging. See SPRATUM. J. Flins of Sind, another of Rock, &c. a Fris of Other, Variot, Allom, Calaming, Coni, &c. Fris of Other, Variot, Allom, Calaming, Coni, &c. Fris of Other, Variot, Allom, Calaming, Coni, &c. Fris of Code, Silver, Quicker, Lin the fame Send, we fay, a Fris of Code, Silver, Gueller, &c. Menning certain Parts of the Earth, wheelin the Oar or Ofelbe of rholf Metals is found; and which is district the Code or Ofelbe of rholf Metals is found; and which is district.

OAR, MINE, &c.

Taverner gives us a Description of the Veins in the Diamond Mines in Goleonds, with the manner of digging See Diamont

them. Sc DIAMOND.
In digging of Cali-Pin, they more with a Variety of Point, the Order, Cs. of which, it different in different Point of California and Point-Point Point Poin

29 J : Rost mick, intermix'd with Lamps of Some; at a like dilitates below which, is the three End Frie, divided into W. Kaled F. Ook, and about time from the North of Cook, and about time from the North in the Intermixed with Cook leafs and the Part Party Property with intermixed with Cook leafs and Free Party Property with intermixed with Cook leafs and Free Party Property Intermixed with Cook leafs and Free Party Property Intermixed with Cook leafs and the Cook Prince Some Cook Prince Party Intermixed Property Intermixed Property Intermixed Prince Party are South Prince Party are South Prince Party are South leafs in the Party are South Prince Party are South leafs in the Party are South in Party Prince Party and South Prince Party are South in Party Party Prince Party and South Prince Party are South in Party Party Prince Party P

The fame Vests are bound in a Place feven or cignt ones apart.—All the Vests lie obliquely, or flerlying, like the fide of a Houfe: The Obliquity, or Fleich, as they term it, is about 22 Inches in a Fathom; which, when it rifes to the Land, is called Torb, and in fome Flaces Baffeting. In digging to the South-west, they oft meet with Ridges,

ha organs to the death of the part of the kidges, they find it over their Heads, when they are thro the Ridges. On the contrary, working thro's Ridges thro's the Ridges. to the North-cash, they say it traps down ; i. e. they find it under their Feet

VEJOURS, in Law, are those sent by the Court to take View of any Place in queilion, for the hetter Decision of the Right. See View.

It is also used for those sent to view such as Efforga them-felves De malo lest; whether in truth they be such as that Telves Dee manu sett ; whether in truth they de user as was they cannot appear, or whether they connected it. VELAMEN, in Surgery, the Bag, Skin, or Bladder of an Imposthame, or Swelling. See Cverts.

VELAMENTUM Bembyennum, a Name forme Anatomith give to the velvet Membrane, or Skin of the Intestines.

Sec INTESTINE. VELARIUS, in Antiquity, an Officer in the Coart of

the Roman Emperors.

The Velarii were a kind of Ufhers, whose Post was behind the Curtains, Vels, in the Prince's Apartments; 25 that of the Chancellors was at the Entry of the Balustrade,

that of the Connection was at the Entry of the Balultride, Conselli 3 and that of the Officiari at the Door. The Petarii had a Superior, of the fame. Name, who commanded them 3 as we find in two Inferiptions, quoted by Schma(thi in his Notes on Vophfous 3 and by a third in Gruner. The fift is,

D. M.
TI. CL, HALLUS
PRÆPOSITUS VELARIORUM—
DOMUS AUGUSTANAE
FEC. SIBI ET FILIS SUIS L. L.
POST. EORUM.

Statusfius, and others, for HALLUS, which is in the Stone whereon the Infeription is, at Rome, put THALLUS: Tho we find mention of the fame Hallus as a Samustus by Nation, and Tibersus's Freedman, in Jopphus; which forms that the Education their Chief war of the American Chief. shows that the Velarii and their Chief were very antient Of-

news that the Februi and their Chief were very antient Of-ficers, and in the among the first Emperors. VELITES, in the Reman Army, a kind of antient Sol-dier, who were arm'd with a Javelin, a Cask, Cuiraste, and Shield.

and Sneed.

VELLBITT, in the School Philosophy, is defined by fome, to be a linguid, cold, and remifs Will. See Witt.

Others My, it implies an Importancy of obtaining what we require: Others will have it a flight Define for fomething, which a Perfox does not matter much, or is too indolent to feek: as, Catus amat Piferm, find now out tempera Lymanian.

VELLICATION, among Physicians, the Act of Twitch-Vellications are particularly used for a fort of sudden Con-

Pellications are particularly uted for a fore of indican con-vulfions that happen to the Fibres of the Mufcles. See Firer, and Conversion.

VELOCITY, in Mechanicks, Smiftmeft; is that Affection of Motion, whereby a Moveable is diffused to run over a certain Space in a certain Time. See Movron. It is also call'd Ceterity; and is fill proportional to the

sace moved. See CELERITY.

The greatest Velocity wherewith a Ball can descend, by virtue of its specific Weight, in a resitting Medium, is that which the same Ball would acquire by falling in an arresti-ting Medium, thro's Space which is to four thirds of its Diameter, as the Density of the Ballto the Density of the

Diameter, as the Bentsy or the Death of the Field. See DESENT.
Hing See DESENT.
Hing Seen Leibnitz. Bernoulli, Weljims, and the foreign
Mathematicans, hold that the Memerits, or Forces of failing Bodies, at the End of their Falls, are as the Squares
of their Principles into the Quantities of Matter, the Esoften Principles into the Quantities of Matter, as
the Principles into the Quantities of Matter. See MOMENTUM.

Velocity is conceiv'd either as abblinte, or relative: The Velocity we have have hitherto confider'd, is fimple, or abblinte, with respect to a certain Space mov'd in a certain

Relative, or respective Velocity, is that wherewith two dillam Bodies approach each other, and come to moet in a longer or a lefs time: Whether, only one of 'em mores to-wards the other at reft, or whether they both move; which may happen two ways; either by two Bodies mutually approaching each other in the fame right Line, or by two Bo-dies moving the fame way in the fame Line, only the Foremost flower than the other; for by this means, this will overtake that. And, as they come to meet in a greater or lefs Time, the relative Velocity is greater or lefs.

Thus, if two Bodies come nearer each other by two Foot,

Thus, if two Bodies come nearer each other by two Foot, in one Second of Time; their respective Velocity is double that of two others, which only approach one Foot in the fame Time.

# VELOCITIES of Bedies moving in Curves.

According to Galileo's System of the Fall of heavy Bodies, now admitted by all Philosophers, the Vesterites of a Body falling vertically, arc, each Momeot of its Fall, as the Roots of the Heights from whence it has fallen; reckoning from the beginning thereof.

from the beginning thereof.

Hence that Author gather'd, that if a Body fall along an inclined Plane, the Velocities it has at the different Times, will be in the fame Ratio: For fince its Velocity is all lowing to its Pall, and it only falls as much as there is perpendicular height in the inclined Plane; the Velocity fhould be measured by that height, as much as if it were vertical.

measured by that height, as much as if it were vertical. The fame Principle likewise led him to conclude, That if a Body fall thro' two contiguous inclined Planes, making an Angle hetween them, much like a Stick when broke, the Velbeiry would be regulared after the fame manner, by the vertical Height of the two Planes taken regenter: I reliable to the two Planes taken regenter is reliable to the two Planes taken regenter is reliable to the two Planes taken regenter.

'th only this beight it talks and trem are Rul at has an are TTP. Conclined was neivreally admired, all the Year 1879. Conclined was neivreally admired, all the Year 1879, when M. Farquew demonstrated it to be fall; a From his Demonstration, it floads form to follow, that the Februaries of a Body falling along the Cavity of a Carre, for a Body falling along the Cavity of a Carre, for the Februaries of a Body falling along the Cavity of a Carre, in the Februaries of the Februa

So mhat Gallei's Propositions would feem to fail in this Galt to an and yet in bolic pools only with form Redirelliem. All this Mixture of Turkin and Errors, to seen a fail to Herbieleys M. Fraggroup, therefore, antercrite in Collection Herbieleys M. Fraggroup, therefore, anderrots in clear with related to the Felicities of falling Bedies and to fet the whole Matter in a now light; He fill lighquois Gaellei's fill Syltem, that the Felicities at the different time of a vertical Eli, are as the Koots of the corresponder Heigher. The gener Principle he makes at 6 of to attain his End, is that of H. I. Bolt of Balten two considers infinitely are the H. I. Bolt of Balten two considers infinitely likes.

Compound Motion. Sec Conservant Matrion.
If a Body slad along two contiguous incilined Planes,
making an obstafe Angle, or a kind of Concurity between
Motions, that the Body, as it meets the foundation
Motions, that the Body, as it meets the forceal the
lofes formewhat of its Pétetty 3 and of confequence that it is
to the finne at the end of the Fall, as it would be, had
it foil then't the full Plane prolonged: So that the Properties of the Reconst of the Reights afferted by Galile, does
to of the Reconst afferted by Galile, does

here obtain

tion of the Rosts of the Ricgless affered by delities, does not consider the best of Febrics, but he the Matter, which was parallel to the first Hinter, becomes oblique to the formal face from which was parallel to the first Hinter, becomes oblique to the found, face they make a Angle; I'm Mortos, which was parallel to the first Hinter and the possible of the properties thereof and part of the Febrics along with its possible, that Part preparallelizes to the Pinne, is to they the oblique Monto, or, which is the finne thing, the left the collings Monto, or, which is the finne thing, the left the collings of the properties that the properties of the properti

The Nature of every Curve is abundantly determined by the Ratio of the Differences of the Ordinates to the corre-ipondent Portions of the Axis; and the Effence of Curves

the Raine of the Difference of the Ordinates on the corre-in general, may be conceived as confiding in this Raine, which is variable a shoulded ways. Now this fame Raine currence a Bedy will define lay of Currer in Mercel of a quence, the Effence of all Garres in the general, is the currence as the post of the Currer in the general, is the currence as the post of the Currer in the general, is the currence as the post of the Currer in the general, is the currence as the current of the Currer in the general, is the current of the Currer in the feet of the Currer in the Currer refuting from ten is ununclustly demonstrated. It is offerwisely, that on the in unmodularly demonstrated in the Roots of the Hights, produce Thershold, inderposite of the Roots of the Hights, produce Thershold, inderposite of the Roots of the Hights, produce Thershold, inderposite of the Roots of the Hights, produce Thershold, inderposite of the Roots of the Hights, produce Thershold, inderposite of the Roots of the Latinos, multi always defined a Tarkon. The belft Matter and Currer in the Currer in the Currer in the Currer in the Projections found Parkolosis, as well as Indianental cone, the Projections found Parkolosis, as well as Indianental cone, the

Projektion form H Parkolais, a well as foriround new, See Projecture, and Fana near.

To have foun mediate of Falsity, the Space is to be divided into a smay could Fare, as the Time is conceived to the smay could Fare, as the Time is conceived to the Driging of Time, is the Manfare of the Problem. For an Inflance, Spaged the Movedke A, (Tab. Anchesianick), Fig. 43) travel a Space of 80 Feet in 4.0 Seconds of Time, a third in See by 4.0, the Question at flower the Parkovskie to be fact, as that it puffe over an extra the Constant of the

Interval of two Feet in one Minner: I the Friently, torefeet, is rightly experted by \$\frac{1}{2}\$, but \$\frac{1}{2}\$, occlosed of Time twavels \$\frac{1}{2}\$ Feet; but Index of its Colerity will be \$\frac{1}{2}\$. Wherefore, fince in each Cafe the meastire of the \$\frac{1}{2}\$ set \$\frac{1}{2}\$ for \$\frac{1}{2}\$ for the meastire of Time a Second, which fine length \$\frac{1}{2}\$ and the measine of Time a Second, which the second \$\frac{1}{2}\$ for the measure of the measure of the second \$\frac{1}{2}\$ to the length \$\frac{1}{2}\$ of the same Duration to be indiced.

as conceive over where co of the lame Duration are handless of the February and s<sub>i</sub> are homogeneal a And therefore, of the February and the February are the February and the Time and the February may be expected by f<sub>1</sub>; a feb the Time and the February and the Time and the February are the specified by f<sub>1</sub>; a feb the Spec being in a Ratio of the Time and the February & See Morrow.

VELLOM, a kind of Farchment, finet, except, and white the summer Parthement. See Parkets story in the Lain Traditions, belowing as a Conference of the Conference of

The Word is form'd from the French Felin, of the Limit Friedman, Felinging to a Colf. [74] all Sills, covered on who controlled the Felinging of the Colf. [74] all Sills, covered on who outfiled with a clofe, florer, fine, foll Silvag, the other field being a very floreng, color Tillage, or Wesh. — of his Start, The Nay or Silvag, coll'Al allo the Februrios, on the Start, The Nay or Silvag, coll'Al allo the Februrios, and the Start, The Nay or Silvag, coll'Al allo the Februrios, the silvage when the silvage of the Start of the Start of the Start Workman parts on a long aurone shamed? Railer, or Nos-dle; and which he afterwards cuts, by drawing a fling-teel Thou allong the Channel of the Nockle, to the Bails of the Colf. [75] and the Start of the S

filed Tool steep the channes or me.

The principal and both Manufacture of Februs are in.

The principal and both Manufacture of Februs are in.

The princip large are obtained in England of the International Control of Internation

The Word Velvet is form'd of the French Velours, which ignifies the same thing; and which comes from Velu, a hing cover'd with Hair.

thing coverd with Hair.

There are Pelvets of various Kinds; as, Plain, that is, uniform and Imooth, without either Figures or Stripes: Figures, that is, adored and work! d with divers Figures; the the Ground he the fame with the Figures; that is, the whole

the Ground he the fame with the Figures 3 that is, the whole Serface schedules, See In our not. Teceprizing long Riands, Bernhers 1, See In our not. Teceprizing long Riands, Branchos, Cfc. on a Saito Ground, which is formetimes of the fame Colour with the Firleys, but more saitally of a different one. Sometimes, indicad of Statin, they make the Ground one of the Colour See Indiance, indicad of Statin, they make the Ground Colour See Indiana, S

cus there. Striple Perbert, is that wherein there are Stripes of divers. Colours, running along the Warp, whether sholt Stripes be Colours, running along the Warp, whether sholt Stripes be Lally, Fleere Ar Erler, is that wherein the Cround is a kind of Taffert, and the Figures Febrer.

Perbert are likewise diditiogalfiel, with regard to their different Degrees of Strength and Goedenis, sno Febrer are likewise diditiogalfiel, and Friends, and a Thread our Threads, with extracts, and a Thread our Threads, the Colour Threads, where Threads, we are supported to the contract of the colour threads, where Threads, and a Thread our Threads are supported to the colour threads, where Threads, and a Thread our threads are threads and threads are supported to the colour threads and threads are threads are threads and threads are threads are threads are threads and threads are threa

and half: the first are those where there are eight Threadt of Shag, or Velocing to each Tooth of the Reed; the second have only fix, and the reft four.

cord have only fig. and the cell field.

In general, all Potents, both work'd and figsyld, flored and flowerd, are to have their Warp and shape of Organia, flore and colored, are to have their Warp and shape of Organia, flore and worked, are to have in the flow in the breadth.

VENA, Vinit, in Austraut of the time breadth.

VENA Series of Sec & Carva and Series of the Series of the Color of the Series of the Color of the Series of the Color of the Series of t

VENAL OF VANOUS, among Anatomitts, fomething that bears a Relation to a Vein. See Vein.

The Extremities of the Cava and Poinmonary Veins, where they enter the Aaricles of the Heart, at call of Venous Sinks. See Cava, and Poinmonary; fee also Heart, and

VENAL, VENALIS, is also used for something bought with

Venat, Variatis, is and used to sometime using monger with Money, or procured by Bribes.

Thus, we fay, Venat Bards; Courtexans and Flatterers are Venat; Juffice in Turks is Venat, it must be bought of the Bafhawi

In England, there are feveral Offices in the Revenue Policy, Se. Venal: But this Venality of Offices is no where fo confiderable as in France, where all Offices of Judicature are bought of the King, and only municipal Officers are

elective. See OFFICE.

Offices in England are owned only by a kind of Consivance; in France is is a thing follown, and authorized. The Venulity was first introduced by Louis XII, who, to clear those immense Debts contrasted by his Predecessor. Charles VIII. without burdening his People with new Taxes, bethought himfelf to fell the Offices; and, in reality, made

behospit himtel to led me Olince 3 and, in reality, mase a wil Sam thereby a advantage of rhe fame Expedient to Frence 1, made an advantage of rhe fame Expedient to get Moory, and field bit lofts openly: Under the fame King, it was only accounted a kind of Long, but that Long was no most being able to rolling on the set Sate. The Parliament most being able to rolling on the Sate of Olince, always made the Buyer take an Oath that the Sate of the S mede hie Bayer nike an Outh that he fall one boy his Fal, citized effective or milectly; yet have seen a neit Exception mustly, of Mentes hear the King for being par into them, which was the seen of the seen and t

he bath femerity by Commendence, taken into his Hands for the futifying a Judomene given in the Kingk Court.
VENNERING, or Vastanava, a kind of Marquetry,
Woods of different kinds, are appealed of finished does
Ground of Gine common kinds, and the standard on a
Theesa are two Kinds of Inlaying the one, which is the
There are two Kinds of Inlaying the one, which is the
There are two Kinds of Inlaying the one, which is the
Arman of Computer and the Computer of 
QUETRY.

The Wood intended for Veneering, is first faw'd out into Slices, or Leaves about a Line thick: I no order to faw 'em, the Blocks or Planks are placed apringht, in a kind of Sawing-Prets a the Defeription whereof may be feen under the Ar-ritle Parss. Their Silecs are afterwards out into narrow Slips, and faffition! divers ways, according to the Defign proposed: Then the Joints being carefully adjusted, and the Pierse brought down to their proper thicknels, with ferreal Planes of the Pierse Silect State of the

brought down to their proper thicknets, with towest Fanse for the Purpole; they are glaid down on a Ground or Block of dry Wood, with good firing English Glue.

The Pieces thus joined and glaid, the Work, if finall, is put in a Prefi; if large, 'ds laid on the Bench, covered with a Board, and prefit down with Poles or Pieces of Wood, one end whereof reaches to the Ceiling of the Room,

Wood, one end whereof reaches to the Ceiling of the Room, and the other bears on the Bentd.

When the Clue is quie ofly, they take it end of the Perk.

When the Clue is quie ofly, they then with divers Senpers; jewn whereof refemble Raip, which take off the
Dens, 15% left by the Plane
Dens, 15% left by the Plane
Dens, 15% left by the Plane
When fufficiently (sept), the Week is polified with the
When fufficiently (sept) the Week is polified with the
Shave goal a which is the all Perpetation. See Enours.

VENEREAL, fomething belonging to Venus. Sca A Venerest Person, is one addicted to Venery, or Venerest

Pleafures.

Flediure.

Vising R. 20 [fields, call'd allo the Lucs Fenered, French
Vising R. 10 [Life of French Fee, Great Pee, Sc. is a

Solid, Foul Diplot, French Fee, Great Pee, Sc. is a

Solid of Fledium of Fledium of Fledium of Fledium

and Frins, about the Genical and other Farts. See Flox.

It is generally said to have made in first Appensance in

Limble, in the Year 100 s. though the with mach

and the said of Fledium of Fledium of Fledium of Fledium

and Fledium of Fledium of Fledium

and Fledium of Fledium of Fledium

and Fledium of Fledium

and Fledium of Fledium

and Solid of Fledium

and Fledium Fledium

under other Name

under other Names.

Mr. Brecker, particularly, has attempted to flice, that it is the fame with what among our Foreithers was call'd the Lefyely, and which in many of our antent English Wirtings, Chartes, Ge. is called Brenning, or Burung, and other than the second to the Rocards relating to the Shew suddenly kept on the Backfild, Sauthern and the Backfild of the Bilthoo of Winteleffer.

See STEWS.

curk, under the Juntilities of the Billings of Windlights.

SE SELEN. NO. Conditions of the Billings of Windlights.

SEC SELEN. NO. CONDITIONS OF THE SECOND SELECTION OF THE WAY APPRIEST DESIRED SECOND SELECTION. THE WAY APPRIEST DESIRED SELECTION OF THE WAY APPRIEST DESIRED SELECTION. THE WAY APPRIEST DESIRED SELECTION OF THE WAY APPRIEST DESIRED SELECTION. THE WAY APPRIEST DESIRED SELECTION OF THE WAY APPRIEST DESIRED SELECTION. THE WAY APPRIEST DESIRED SELECTION OF THE WAY APPRIEST DESIRED SELECTION. THE CONTROL SELECTION OF THE WAY APPRIEST DESIRED SELEC

in the one Difeafe, which quadrate well enough with those in the other; but then the Symptoms in each are so precarious, that a great deal of Stress can't be laid hereon. See

LEPROSY.

rious, then a great deal of Striefe can't be idd becom." See
LT to common Troullies I, that the Persent Ellipse is deal
the Common Troullies I, that the Persent Ellipse is deal
to the Common Troullies I, that the Persent Ellipse is deal
to the Common Troullies I and the I say owing it for the common Troullies
Ellipse I and the Balless, the Mall Frances.
Ellipse I and the Balless, the Mall Frances.
Has others go much phylor, and Import in to the CUI.
Has others go much phylor, and Import in the Common Interest I and Interest I

tion d.

He adds, there is no room to doubt, but that the Luez
arole from fome fuch Caufe; for upon any venomous bire,
the Penis becomes vehomently extended; and the Patient
being feit dwite a Lavyriaft, breaths nothing but Rage and
Luft; Namere, in effect, feeming to direct him to Coition for a Remedy,

to a Kemedy. But what proves a Remedy to the wounded Perion, proves a Difeate to the Woman: And from Women that incided, other Men, who have to do with 'em, become infedded in their turns; and thus has the Difeate been propagated. The first Symptoms generally aiming after an Athir with an infedded Perion, are a Heat, Swelling, and Infisammation about the Poiss or Yelva, with a houses of Urins.

about the Penis of Vulva, with a homeis of Urine.

The fecond or third Day ufually brings on a Gonorrhea, or Dripping, which decominates it a Clap; and which in a few Days more is followed by a Cordee. See GONORRHEA,

Days more is follow'd by a Cordec. and CORDER,
The femeritmes there is no Generalize, or Clap 3 but the
Poifon rather makes its way thre' the Cutis to the Grein 3 and
there

there arifes Bubos, with various malignant Puffics in all Parts of the Body. See Buno.
Sometimes, also, there happen callous Ulcers, call'd Shankers, in the Scretum and Perinsum; and fornetimes a can-cerous and callous Ulcer between the Prepuce and Glans;

cerous and calbout Uleer between the Prepace and Galass; and inform the Teithicles field. See SYMAREAR, the All See In Add to their, violent and calculated by the See In Add to their, violent and calculated by the See Influence, Executations, Condylormata, Eff. about the Amus; falling of the Hair; raddy, yellow, or livid Spott, Houstfends, Relaxation and Erofinor of the Uvula, Uleier of the Palase, Orean, rugsing of the Ears, Desthick, Billindach, SteA. Contimption, Eff. But tra rate all their Sporpsons happen to the fame Person

to the fame Perion.

The Vesserse Ulfjastle, Sydembass observes, is communicated by Copulation, Lackation, Handling, Saliva, Sweat, the gental Macrou, and the Breath: And in whatever Fart is a received, it there different is fell full. When the Infection is received along with the Milk from the Nurfe, it commonly those is fell in Screncis and Uleers of the Mouth.

The Method of Cure is various, according to the various Symptoms and Stages: For the first Stage, viz. a Generyhea Virthenta, or Clap. See Clap, and Genorshea. Dr. Piteairn's Method is this: After two or three Vomits,

Dr. Flictur's Mitched is this; After two or three Ventis, he directs Mercurin Zholid, for fema Days, wice, aday year, and the Mouth grows fore, it a store the Mercury for three or four Days, and purper curve other Days. An the Mouth grows well again, report the cycle of Days, and the Mercurin grows well again, report the cards. See Marcura. For a confirmed Zhani, Mercurini Salvirand is generally held the endy effectual Care: The Mercurini Pricellons, ap-pined in field, Quantity, and it fait heteroid a noce to relied a Silvation, in held before the control of the confirmed of the Charles of See See See Consent, but Marches, has Selvations in Con-

Sec SALIVATION

The Common succession, in this annual, than Savaribles it Dr. Optimizes tall up, in the 2s of divine immediately, without any prelimitary Erecution, ex Preparation of the office of the Annual Professional Common and the Annual Logarity, which is a second of the Annual Logarity, which is the Annual Logarity of the Annual Logarity, which is the Annual Logarity of the Annual Logarity, which is the Annual Logarity of the Annual Logarity

OESTRUM.

Some are of Opinion, that infectious Women are the most apt to communicate the Poisso, when they are thus excited with Desire; whereas, with Indifference, they may agence with Jetite, whereas, with indirection, firely may admit the fame intercontrol without giving the infection, Venhets Defrum, in Anatomy, the fame as CLITORIS, VENHET, is add for the Act of Copulation, or Cotton of the two Sexen. See Colitors, and General Atlon. It takes its Name from Penui, the lappoid Delity of the

Paffion of Love

Famon of Love.

Venery, is also the Art or Exercise of hunting wild

Beaths; which are also called Beaths of Venery, and Beaths

of Forest. See Hunting.

Sach are the Hare, Hart, Hind, Boar, and Wolf. See Brases.

VENIA, among our antient Writers, denotes a kneeling, or low Profitation on the Ground; used by Penitents. Walfingham, p. 196. Rege interim profitate in longs venia. Per venius centum verrunt barbis pavimentum

VENIAL, a Term in the Romift Theology, applied to flight Sins, and fuch as easily obtain Pardon. See Sin. In confessing to the Priest, People are not obliged to accele themselves of all their Venial Sins.

The thing that gives the greatest Embarras to the Romish Cafaiths, is to diffinguish hetween Venial and Mortal Sins.
The Reformed reject this Diffinction of Venial and Mortal The Reformed reject his Dilintities of Fesial and Morrills as a deminstrain, that all Sins, how greeous foever, are Fessal's, and all Sins, how flight foever, are Morrill and Reformed and the Reformed 
DIGHT ST CONTINUE. SEC CONFISSION.
VENIRE Facies, in Law, is a Judicial Writ, lying where two Parties plend, and come to Iffue: for then, the Bary Plaintiff, or Defendant, finall have this Writ directed to the Sheriff, to caste twelve Men of the tame Country to fay the Truth upon the Iffue taken: And if this

Inquest come not at the Day of the Writ return'd; then shall go an Habeas Corpus, and after that a Distress, until they come. VENIRE Fecies tot Matronas. See VENTRE Infpiciendo. VENISON, or VENAISON, the Flesh of Bensis of Game.

VERIOUS, or VERAISON, the Fich of Beatted Game, or of Animals to he caught in the way of Gaming, i. e. hy Hunting, &c. as Decr, Hare, &c. See Gams.

The Word is form'd of the Latin Venatio, Hunting. See

HUNTING.

Beafts of VENISON. Sec BRAST. VENOM. See Poison.

The Terms Venous and Poison only differ from each other in this, that the latter is used where the noxious Matter is ta-

In this, that the latter is used where the noxious Marter is the normally as in 7000d, Prinks (E. on the former, where it is applied outwardly, as in Soings, and litter of Sergeas, Tare File is fail to have a remnant Tools. All executing the control of the cont

VENOUS ARTOPY, ATTORIA VANOLA. See THE MENT, LORGE, CIRCULATION, &C. VENT, VENT-Hole, or Spiracle, a little Apertare, left in the Tubes or Pipes of Fountains, to facilitate the Wind's cleape; or, on occation, to give them Air; a se in field Weather, &C. for want of which they are apt to hearth. See FORMY AIM.

A Vent, taken in this Senie, is the End of a Pipe, placed creet, and reaching above ground; being ufuelly loider'd to the Elbows of the Pipes.

the Elbows of the Pipes.

The Pents of large Fipes, are always as high as the Superficies of the Refervoir; a unless there be a Valve in them.

The Word is form'd from the Latin Pents, Wind.
Vasy is also used for a little Hole, pierced in Vettles of Wine, Beer, get, that are in tap; and which admits Air crough to make the Liquer run, but not so much as to cor-

compile no male fire Lauguer Rus, we see so how male fire Lauguer Rus. Years, again, is a supply 40 the Cowne in Wind-Furnaces, whereby the Air concess, which fereve stems for Bellows; and which are input with Registers, or Edits, exceeding to the Air concess, which fereve stems for Bellows; and the Air Compile Compi

for the Water

This kind of Vent the Italians, and we from 'em, call a

Barbacane. See BARBACANE. VENTER, Belly, in Anatomy, a Cavity in the Body of VEN LEAS, Beily, in Anatomy, a Cavity in the Body of an Animal, containing Vifeers, or other Organi, necessiry for the Perferenance of divers Fuedions. See Viscaa, See Physicians divide the human Body into three Fenters, Regions, or Cavities; the first the Hessi, containing the Brain, See Hand.

The Good the Breeft, or Tlerars, as far as the Dis-priency continuing the Good Reference Sec. Thomas, or Tally, and the Breeft of Reference Sec. Thomas, or Zelfy, it has whereign on Reference Sec. Thomas, or Zelfy, it has whereign on Reference and the Organs of Generation, and Dispellion, are control of collection, and Dispellion, are control of collection. This is a collection of the Company 
employ call the lower Feature: Happenesses calls it lega-See Hyrocartes, Erenaryaric, Grad, and in lower, See Hyrocartes, Erenaryaric, Grad, and in Greek Belei. Extreme has Graint; In Latin Ingues, and in Greek Belei. Variera, or Belly, in allo populary will for the excepte Part of the lower Feater; In which heads, we fix, the Ne-trical and the the Feature, for Sommark beared they Part is cashed in the Carty thereof. See Variera to. Part is also died for the Feature, for Sommark beared they the the Market Market of the Carty thereof. See Variera to. Latin, Feature is also died for the Week), or Direct of Hace, also, in the Civil Law, we far, Feature for June Feature, the Child Gollows the Body; messing that its Mother, See Markets.

Mother, See MARRIAGE.

They also say, to appoint a Curator for the Belly, with regard to posthumous Children yet in the Mother's Womb с Розтирморз.

See Pervisiones. With tegrat or Belly has been formetime crossed, in form. With tegrat or Princes, the Penter or Belly has been formetime crossed, in form. Vervirs, or Bright of a Madde, in the flichy or body Part Vervirs, and the pervision of 
The Moon has five Degrees of Latitude, when in the Dragon's Belly, and is 90 Degrees diffant from the Nodes.

Drigons news, and us 90 sequent mann non-Sec Larryune Points, in each Orbit, that towards the Soath is also call'd the Southern Limit, and that towards the North, the Northern Limit. See LIMITS.

VENTER Equinus, or Horfe's Belly, among Chymifts, is a Danghii, wherein are enclosed certain Vessels for particu-

iar Operations to be perform'd by means of the genrie heat thereof. See Fire, and Hear.

Venter, in our Customs, is used for a Partition of the Effects of a Father and Mother, among Children born, or accruing from different Marriages.

This Partition is to order'd, as that a fingle Child of one Marriage, or Venter, takes as much as feveral of another Marriage, or Venter: In order to which, the Effate is divided into fo many Parts as there have been Venters, or

VENTER is also used for the Children whereof a Woman is deliver'd at one pregnancy.

Thus, two Twins are faid to be of the fame Venter.

Amay People take for a Fable what is related of the Coun-tels of Holland, either that Amay People take for a Fable what is related of the Coun-tels of Holland, either that the had 369 Children at one Pen-ter, all living, and baptized; and yet the Story is very gravely related by abundance of Authors; and the Font or \$1.00 to \$0.00 to \$1.00 gravely related by abundance of Authors; may use Balon is still shown in the Church where they were baptized;

Baton is full flown in the Church where they were baptized; with a kind of Monument of the Fact, thereon. See Forens. VENTIDUCTS, in Building, calld by the Italians Fartidatis, and by the French Prijons sets Fents, or Palais: #Ebite; are Spiracles, or fabterraneous Places, where fresh, cool Winds being kept, are made to communicate, by means of Ducks, Fannels, or Vaults, with the Chambers or other sets of Ducks, Fannels, or Vaults, with the Chambers or other Apartments of a House; to cool them in fultry Weather.

These are much in use in Italy, &c. See Building.

Their are much in pic in 1989, 600 See Flatulence.

VENTOSITY, in Medicine. See Flatulence.

VENTRE Infractionals, a Writ for the fearch of a Woman that fays the is with Child, and thereby holds Land from him that is otherwise next Heir at Law.

VENTRICLE, q. d. Little Belly, in Anatomy, a Di-minative of Vonter; fignifying a Cavity finaller than what we express by a Venter; or rather, fignifying a Division of a Venter; or some smaller Cavity, contained in a larger. See VENTER.

VENTER.
There are two Cavities in the Heart, adjoining to the Auricles 3 and four in the Brain; call'd Feutreles; which fee explain'd under the Articles Heart, and Brain.
The right Ventrule of the Heart, in relaxing, admits

ac Blood by the right Auricle from the Cour , and contrac ting, drives it out into the pulmonary Arteries: The left, receiving the Blood by the left Auricle, from the Lungs, into the Aorta. See Cava, Aorta, and LUNGS; fee also Systole, DIASTOLE, CIRCULATION, SE

VENTRICLE, or VENTRICULUS, by way of Eminence thus call'd, is the fame thing with the Stomach. See Stomach. For the Action of the Ventricle in Vomiting, fee Vomit-

VENTRILOQUOUS, VENTRILOQUUS, call'd alfo Gafrrileanous, and Engalfrimpthus, a Term applied to Persons who form their Speech by drawing the Air into the Lungs; fo that the Voice proceeds our of the Thorax; and, to a By-stander, seems to come from a distance. See Encasталмутнов, Ес.

TRIMITHUS, US.
Such a Perion we had lately in London, a Smith by Profellion, who had the Faculty in fach Perfection, that he'd
make his Voice appear, now, as if it came out of the Cellar, and the next Minner, as if in an upper Reom; and no
hody prefent perceive that he fooke at all: Accordingly, he
has frequently call'd a Perfon first up, thee down Sciars; has frequently call'd a Person first up, thee down Seairs; then out of doors, then this way, then that, without firring from his Sear, or appearing to freak at all.

Relandar, in his Agelofictenergraphie, mentions, that if the Medicificinem, which is naturally a fingle Membrane, his control of the Medicific Membrane, which is naturally a fingle Membrane,

the Medicilium, which is naturally a tingle intemprate, be divided into two Parts, the Speech will form to come out of the Breaft; fo that the By-Handers will fancy the Person possess. See Servalmanner.

The Word is a Compound of Fenter, and loguer, I speak, VENTURINE, in Natural Hillory. See ADVENTURINE.

VENTURINE, or ADVENTURINE, is likewife used for the nest and stenderest Gold Wire, used by Embroiderer, &c. See Gold Wing.

Sec Grid W.R.S.

When reduced imo Pouler, as fine as it can be clipth, or When reduced imo Pouler, as fine as it can be clipth, or Variety, and the second of the first Leyer of pure Variety, made of of the first West of the first Variety, in content to lay any Coder over its. So, J. Arakantuk.

The content of the first Variety of the Affact output to be of the first Variety of the Affact output to be of the Markantuk.

Than, we lay Twelve of the Affact cought to be of the first Variety of the Affact output to be of the Affact of

S. Ho. VIII. See Vlast.

VENUS, in Aftersoony, one of the inferior Planets 3 denoted by the Charakter 9. See Planty.

Femts is calify didingalfit by box beightness, which excecis that of all the other Planets, and which is 6 conflict
ands, that in a very dark Plane the projects a femilie Shadow. Her Place is between the Earth and Mercary.

dow. Her Place is between the Earth and Nercuty.
She confinity attends the Sun, and never departs from
him above 47 Degrees: When the goes before the San, that
is, rifes before him, the is call'd Pholyborus, or Lucifer,
or the Morning Star; and when the follows him, that is,
fets after him, Hefferus, or Vester. See Phosphorus, Ves-

fen after him, Informin, or Fofer. See Phosproming Vas-222a, 156.

The Seminer of Franci, is to that of the Einh, as The Seminer of Franci, is to that of the Einh, as The Seminer Distance from the Gaussian See, of the Distance of her Orbit; 3° at; See Inclusarinos, Excasarinos, Excasarinos de Semineros, Excasarinos de E

Her Paralias is 3 Minutes. See Parastana.

Fenny, when view d thro's Telefone, is rarely feen to Mices; being now gibbon, now borrel, get, and her illustration, being now gibbon, now borrel, get, and her illustration which is the parallel of the control of the

De la Hire, in 1700, thro' a Telefcope of 16 Feet, discover'd Mountains in Venus; which he found to be larger than those in the Moon. See Moon.

And Cassini and Campani, in the Years 1665 and 1666, discovered Spots in her Face: from the Appearances of which, he ascertain'd her Motion round her Axis. See Sports. Somerimes the is feen in the Disk of the Sun, in form of

Sometimen, the is been in the Dith of the Saw, in form of a dark, sound Sign. See Tha. NEW. The Obligon of a piece, thought is the set thought is the Saw and the Sec SATERFITY

The Phenomena of Venus, evidently flew the Falfity The Phenomena of Fearm, cridently there the Edity of the Phenomena of Fearm, cridently there is possiblent is point, sighten Espoint, sighten Espoint, sighten Espoint, sighten Espoint, sighten Espoint, sighten Espoint, sighten Phenomena agree, that Phenomena of the fifth the San, and Somettimen on that yet in Indicate the San, and Somettimen on that, see all or the Phenomena of the San Southern of the San Southern of the San Southern of the San Southern of the San Southern, Espoint, E

COPPER.

Its Charefter is 2, which, fay the Adopti, expresses it to be Gold, only join'd with some corrosive and assenical Menstraum; which removed, Copper would be Gold. See

Note that is an investigated with the Chapmilla, \$25. to be one of the most powerful Medicines in Sature, \$0.4 that, is fail to have been compact the famous \$2mire \cdot Seen, which is compact that soble Remedy of Fan Histoners, wo. the Saiphus Vitrais, and the Puriodi, find \$2 calculation, and Cohebation.—Of the Fan Firthish for \$Presst, is likewise compact that solve Remedy of Frent, is likewise compact that solve Remedy of Frent, is likewise compacted this gripted actions, and cohebation.—Of the Fan Firthish of Press, is likewise compacted this gripted with gripted the solve the solve the solve the solve that the solve the solve that the solve that the solve that the solve that the so

Tis certain, Copper is a most excellent Emeric, and a noble Antidote against Polious; for it is no sooner taken than it exerts its force: whereas other Vomitories lie a Ffff good

good while in the Stomach : But one fingle Grain of Ruft Venus immediately vomits. See EMETIC. Hence, Syrups that have flood over-night in Copper Vef-

fels, create a vomiting.

It is also an excellent Medicine in Chronical Cafes:
Hence a famous Physician is recorded to have cur'd Charles V.

Hence a famou l'hyfician is recorded to bave ou' à Charlet A-l, a Droph y the Ule of Copfer, of a Droph y the Ule of Copfer, of the Copfer and the Copfer and the Copfer and Air, comits of the Copfer and Air, comits and the Copfer and Air, comits and the Copfer and 
diffilted by Acids. Most Venerals, among Anatomifts, is a little bairy Protuberance, in the middle of the Pulses of Women; occasiond by the more than ordinary Collection

of Fat under the Skin in that Piace. See Perras.

Among Chiromancers, the Mount of Venus is a little Eminence in the Palm of the Hand, at the Root of one of the

Fingers.

VERB, in Grammas, a Word serving to express what we aftern of any Subject, or attribute to it; as the Words it, standerstands, bears, believes, &c. See Word.

The Verb is thus called of the Latin Verbum, Word, by the Dailonger, as beine the principal Word of a Sen-

way of Eminence; as being the principal Word of a Sen-See SENTENCE.

tence. See SENTENCE.

The common Definition given by Grammarians, is, that a Perb is a Word which betokens being, doing, or fuffering. To conceive the Origin and Office of Perbs, it may be observed, that the Judgment we make of any thing, as when I say the Earth it round, necessarily includes three Terms.

TERM.

Sec 1 ERM.
The first, called the Subjest, is the Thing we affirm of, e.g. Earth. Sec Susyeer.
The tecond, called the Auribrate, is the Thing affirm'd, e.g. round. Sec Arrassure.

The second s

e. g. round. See ATTRIBUTE.

The third, is, connects those two Terms together, and expresses the Action of the Mind, affirming the Attribute of the Subject. This last is what we properly call the Verb, and which some of our later Grammarians, particularly the Port Royalists, chuse to call by a more fignificant Word, Af-

firmation. See AFFIRMATION

firmation. See APTRIMATION.
The Reston is, that its principal Use to spirity Affirmation and the Reston is, that it principal use to spirity and the principal control of the principal control of the Difficult of a Main, who does not only conceive Things, but sigges and affirms fonewhat of them.

By this Circumstance, as long to the Control of them.

By this Circumstance, and the Control of the

but only that he conceives an Affirmation.

The othe principal Ufe of Verbs be to fignify Affirmation; they also serve to express the other Motions of the Soul : as to defire, pray, command, &c. but this they only do by changing the Mood, or Inflexion; which we shall con-

fider under the Article Moon.

Here, we only confider the Verb in its primary Signfica-on, which is that it has in the Indicative Mood. On this Footing, the Verb should have no other use, but to mark the Connection which we make in the Mind, be-

to mark the Connection which we make in the mind, be-tween the two Terms of a Proposition; but the Verb effe-to be, is the only one that has retain'd this Simplicity: nor in strictness, has this retain'd it, but in the third Perion; as In effect, Men being naturally inclin'd to shorten their Ex-

In affed, Mm being naturally inclin'd to florent their Ex-perience, to the Affantation they have minotif away added other Singlification, in the fine Word: Thus, e.g. they add teat of fines Affanthus, for a their Properties of the Properties of the Affanthus, and the Affanthus, in a fast Properties of the Affanthus and Affanthion; being the tane thing to fig Peter | izer, and the Peter it loing. And hence the great Variety of Peter in eventy. Language, For, had the Propie been contrasted only the New Peter general Signification, without any additional Ariethus each Language would and have meeticle one Peter, so ... the Peter Language would and have meeticle one Peter, so ... the Peter

Substantive eft, is.

Again, on fome Occasions, they also superadd the Subject of the Proposition, as Sum bome, I'm a Man; or vive, I live: And hence the diversity of Persons in Verbs. See

P.R. 100...
Again, we alload on the Treft, & R. Reinten to the Time, Again, we alload on the reftern to data one finger, but no effect when with regard, and the refter the rest of the Reft of Irect, the Aftion of Suppling, note the prefeat Time, but for the part i And hence the great diversity of Treft in most being the reft of the part is And hence the great diversity of Treft in most Time diversity of the Supplications, or Additions in the fame Word, has perplexed and decrived many of our best Authors in the Nature of a Frefty and led dem to confider it,

4— J most according to what is effectful to it, which is 10 affirms but a ecording to some of it is accidental Reduction.

The state of the state o

diverá Infactions, in refepch de Thme and Perfon.

Others, taking spitch heft of the dealthiesal Significations, which is that of the Aruthure, and condidering that Additional Pallons, which is that of the Aruthure, and condidering that Addition and Pallons, have Improduce the Effence of a Perfor to conditi in signifying Adline, or Perform.

Lattly, Scaleger manyal the bad made as east Discover Lattly, Scaleger manyal the loss made as the Effence of the Performance of the Performance of the Performance of the Performance of the Diffinition between Noan, and Verby, the faith being to signify what creations, and the Second when the faith being to signify what creations, and the Second when

But from what we have faid, 'tis eafy to perceive, that these Definitions are all false; and that the only true Defi-nition is, Vex significant Affirmationem: This Definition inution is, Fun figuifican Affricationers. This Definition in-cluded all that is effected to the Ver's but I for swould be the property of the property of the control of the Definition Affricationers, and different Performa-tion, with a Delignation of Performance, and the Comment of Territory, Numeri, If Territory is word which logistic and Mirror ton, with a Delignation of Performance of the Comment of the Performance of the Comment of

review. Number, and Urme. Fresh are visited with respect to the Subject, hey are divided into, Asline, Passine, Nature, See with Perfect to their indication, into Reysland, and Proceedings of the Perfect to their indication, into Reysland, and Proceedings of Perfect to the Pe

oving, Working, Sc.
Of these, Grammatians make two Kinds; the one call'd ranssitive, and the other intransitive, or reciprocal. See

\*\*ZAMPITTENES, AND THE OTHER THEFAULTENES. SEE

VEAN TENEFUL, SEE

VEAN TENEFUL, SEE

VEAN TENEFUL, SEE

VEAN TENEFUL, SEE

VEAN TENEFUL S

Just, je je, &c. Se Arveit.1871.

Some don't allow of any Ferit Faffive in theft Languages: The Readon is, that what we call puffice, it southing both the Paringhe of the Ferit, joint dwin the Ansalting Voto is Fer whereast the Service of 
Active nor Paffive; the they have the Force and Significa-cation of both: as I languish, fignifies as much as I am lan-suishing; I obey, as much as I exercise Obedience, &c. guilbing; I obey, as much as I exercife Obedience, &c. only that they have no Regimen to particularize this Signi-Of these Verbs there are some which form their Parts by

On more verse more are some works form their Parts by the Auxiliary Verb to bear; as, I bear Refs., you have run.

These, Grammerians call Neuters Astron.

Others there are, which form their compound Parts by the Auxiliary to be 3 as, to come, to service, &c. for we lay, I am come, not I come, &c. These are call'd Neuters Pasi-

VERE Subflantive, is that which expresses the Being, or Substance which the Mind forms to it felf, or supposes in the Object; whether it be there, or not: as, I am, theu art.

Sec SUBSTANTIVE Auxiliary, or Helping Vanus, are those which serve in conjugating Active and Passive Verbs: such are, I am, I

bave, &cc. sur, &c. See Auxilians.
The Abbot de Dangeau diffinguishes all Verbs into two eneral Kinds; Auxiliary Verbs, and Verbs which make

fe of Auxiliaries. This Diffinction some may tax as not very just; in regard, fuxiliary Verbs sometimes make use of Auxiliaries them-

Auxiliary Ferk fometime inke us of xasillaries thereives, but this does not delity to Durison is only thems, that the Auxiliary Ferk has two Formalities, or two district Qualities to be confidered under; in \*trans where-

Reiprocat, Neutrined, and Paffived.—But foreard of their expectation with Procab Language.

The process of the Pr

their Tentes.

Dellawing. The Irreplantic is now English Ferts, iie wholly in the Formation of the Fereer Tools, and Faifive Participie.

The first, and nonleaves Irreplantic, yet changing the Conformation of the Personal Conformation of the 
Sc. Frequentative Verbs, Sc.
VERBAL, fomething that belongs to Verbs, or even to Words, fooks with the Mouth.
Thus, Verbal Nourn are those form'd from Verbs. See

Noun.

So, a Verbal Contract, is that made merely by Word of Mouth; in opposition to that made in Writing. See Con-

Mouth ; 10 opposition to that made in writing. See Con-TRACT, 55c.

VERBERATION, Smiting, in Physicka, a Term sled to expects the Cause of Sound, which arises from a Verbera-tion of the Air, when fluck, in divers manoers, by the feveral Parts of the fonorous Body first put into a vibratory

Investigation of the tonorous pooly may put mind a videocopy Morion. See Sowns.

The Word is formed from the Latin Ferbero, I finite.

VERDEGREASE, Ver. no. Grait, a kind of Ruft of Copper, of great afe among Painters, for a green Colours.

Verticate in a managed from Company Plates, and Hardy of

Verdegresse is prepard from Copper Plates, and Hufks of Grapes well faturated with Wine, put up in earthen Pots; and ranged, firstum fuper firstum, that is, first Hufks, then

Copper; and so alternately.

When the Pots are fill'd, they are set in the Cellar;

When the Pou are filld, they are fet in the Celler's whence, after form time, they are taken out, to gather to whence, after form time, they are taken out, to gather over. See Rurr, and Gerral Rull, covering the Piates all cores See Rurr, and Gerral Rull, covering the Some talk of Predgergier made with Vinegar, and other corrolive Sults, but 'tin a Mittake's the best Wine being two Accordingly, the greatest Pater of the Predgergier confant in Europe, in made in Languede, of the Wines of Confant in Europe, in the Confant in Languede, or the Wines of Wines and the Confant in Europe in Collect, about 15 Pounds with teach;

weight each. There is but very little quite pure: To be good, it must be very dry, of a deep green, and pretty clear of white

be very cary.

The Word is form'd from the Latin Viride eris: "Tis alford called AFrage. Others call it the Flower, and others the Viriride Sait of Copper; the, in reality, it be the proper Sabthauen thereof. See Virsulo. The Apothecasies wile to difficive Verdegreefs in the Cellar; and them and avanorate it in the Cellar; and the same and avanorate to the control of the Cellar in the Cellar.

The Apothecation are to dislater Fringerspip in distillad Vinegat, and then fitness, and evapours to in the Collar, upon witch it floors isso Cyrlinis. Their Cyrlinis are and saveng Chiracgoon, (6. to cat of the Gragona High. Works of Minimus. See Cast. Colours of cyclosidily in Works of Minimus. See Cast. Colours of Cyrlinis Christian College of the King's Forch, whole Business is no look to the Vert, and fee it well maintained. See Vert. He is free to keep the Affines of the Forest's as also to view, received the count the Artichament and Preferences.

view, receive, and enroll the Attachments and Pretentments of all manner of Trefpaffes, relating to Vert and Venifon

of all manner of arctipanes, relating to very said venion therein. See Forest.

The Word is form'd from the Latin Viridarisa, which

Ulpies uses in the same Signification.
VERDETER. See VERDITER.
VERDETER is the Answer of the Jury, made upon any Cause, Civil or Criminal, committed by the Court to their

Examination. See Juny.
"Tis called Verdiff, for Vere diffum, q. d. diffum veritatis, the Diffate of Truth.

tată, the Debre of Truth.

A Fendii i chien General, or Special.

A General Vennucr, in that which is brought into the

A General Vennucr, in that which is brought into the

Court in like general Terms at the general liftic · A in Ac
tion of Diffitiin, the Dechadant pleadeth, No Wrong, so

Diffitiin. Then the liftic is generit, whether the Fact be

wrong, or nor: which being committed to the Jury, they,

probe Confidentian of the Evidence, come in and fay, chiese

probe Confidentian of the Evidence, come in and fay, chiese

Defendant, That it is wrong, Diffitiin or for the

Defendant, That it is a Wrong, so Diffitiin.

A Special Verrice, is, when they say at large, that such and such a Thing they found to be done by the Deficulation of rannar; declaring the Courfe of the Fach, as in their Opinion it is proved; and as to the Law, upon the Pach, purple the Judgment of the Court.

First purple the Judgment of the Court.

For the Court of Forder, if it contain any ample Declaration of the Court which, if it contain any ample Declaration of the Court which the longinging to the end, is also called "Marchiff at large the Court of the Court

a Verditt at large. Item utimur qued Balivi & Coronatoret Burgi nestri ust suerint & adbuc utuntur recipere Vetedictum duedecim Ju-

was many year factor & Corrector Burge soften of farmer of school unture receptor Verdellum danciem finite farmer of school unture receptor Verdellum danciem finite farmer of the farme

used by the Fainters, E.c. for a green colour. See URARN, Furditer is, property, a native Mineral Subblance, of a floory Confiftence, and a blue Colour; but fpangled with lite thining froins like Cemes; brought from the Mountains of Hangary and Moravins; called allo Latis Armenius. Or this, well ground, and clean'd by Lotino, flouid be made the Painter's green called Ferditer. See Corour. But this Stone, it was year, and the Ferdiner field is not a compared to the Corour of the Corour o

made the Pattern's green saided Feeders'. See Cassens.

Be this Stone is very rare; and the Ferritor unde, it so a native but a fidition Sublance: the proper way of

an one of the proper way. The proper way of

no new Copper, just as it comes red be one of the Part note, and carefung the Steams which ride from it upon

note. The proper way to be a subject to the proper proper to the proper filters in Wallens fay, its present by diffiching chee
per Pletze in Wallen for hood weight of Walling, the Refiners

Boar to manufact from down with row Walling, the Pattern of

the proper was to be a subject to the proper was to be a subject to the proper was a subject to th

bedig Taken out, is hid on large pieces of Chaik in the Sain, utilit is durft, or free Market.

"It is the durft of the Market is the Sain of Sain of Freilier," (which remains at the bottom of a Tub) is put into a Gregor, and boild will it come to the thickend of Water-Grazianow, coeffling principally of Sain-percreduced, most or the sain of the Sain of Sa without it

without it. WRRODY, in Heraldry, is applied to a Bordare of at Cast of Arms, charged with any Khola, or Parts of Flowers, Few WRRODURS, the Quality of Gerenneis. See Grassar, The Word is Prency, form'd of Ford, green. VRROGR, a Kod, Switch, or Yard; particularly a Stek or Wand, which Ferfon are admitted Tenans by holding in the Wilson of Wand, which Ferfon are admitted Tenans by holding in the Wilson. See Invariant particular to the Lord of the Mison. See Invariant particular places in the Lord of the Mison.

See INVESTITURE. On this account, they are call'd Tenants by the Verge. Sec TENANT.

Among Florists, a dented Verge, is a jagged edge or out-

ide of a Leat.

Vance is also the Compass or Extent of the King's

Court, within which is bounded the Jurisdiction of the

Lord Steward of the King's Houshold, and of the Coroner

of the King's House. See Court, Housnon, 15c.

It is thus call'd, from the Verge, or Staff which the Marshal bears.

final bears.

The Lord Steward, by virtue of his Office, without any Committiee, judges of all Transgressions, as Treasses, Martees, Felonies, Bloodfield, gife. committed in the Coart, or within the Perge thereof, which extends every way Dependent of the Coart, or within the Perge thereof, which extends every way the Space of reduce Milles from the chief Tunnel of the Coart; on the Nava anticnty called Pas Regis, on the King's Pease.

B. 19.

Sco Peace.

Court of Veroe, is a Court or Tribunal, in manner of a King's Bench; which takes cognizance of all Crimes and Court of the 
King's lenent y which takes cognisance of all Crimes and Mildemensors committed within the Verye. It is held in the Compting Houfe, by the Lord Steward, as Judge thereof, affired by other Officers of the Houfhold's as, the Treafurer, Comptroller, Cofferer, Clerks of the Green-Cloth, E'd. See Chain-Cubit, See. Vernet of Lond. See Yand Lond.

Green-Lonn, Sc. Sec Green-Cooth, Sc. Verno e Jand. Sec Varn Land. VERGERS, call'd by Bratlon, Sc. Veryatore: Service-tes, atc Officers who carry white Wands before the Juffices of cither Bench; by others call'd Porters of the Verge.

See PORTER. VERGERS of Cashedral or Collegiate Churches, are inferior

VERGERS of Cashedral or Collegiate Churchet, are inferior Officers, who go before the Bifthop, Dean, Sc. with a Verge, or Rod tip'd with Silver.
VERGILIÆ, Confiellations, whose appearance denote the Approach of the Spring. See Serring.

According to the Poets, they were the Daughters of Ai-las; and by the Greek; were call'd Pleisades; but the Ro-mans named them Vergities. See Petra Nov. VERIFICATION, the Act of proving, or making a stime and.

VERISIMILITUDE. See Prosability.

VERISIMILITUDE. See Prosability.

VERJUICE, a Juice or Liquor, drawn from four Grapes, or Apples, unfit for Wine, or Cyder; or from fweet ones,

hile yet acid, and unripe. See Cynna.

Its chief use is in Sauces, Ragouts, Se. the it is also an

Ingredient in Some Medicinal Compositions; and is used by the Wax Chandlers to purify their Wax. It has its Name from a large Grape, call'd Verius, or Boundels; which is faid never to grow perfectly sipe; or rather, which in its utmost Maturity is too author and four to be us'd in Wine; whence it is commonly turn'd into Ver-

There is alfo a tolerable Veriprice made of Cashs, gather'd, laid in a heap to forcat, the Statks, &c. feparated, then Ramp'd or ground, and the Crab maft part in a hair Bugs, the Jutes faucer'd out in a Prefs, parrell'd up clofe, and let in a warm Place to work for tee nor revelve Days. 32. 32.

In a warm Place to work for ten or swelve Days, VERMES, in Medicine, a Diffest popularly call'd Worms; arifing from fome of those Reptiles being generated, and growing in the Body; whence, frequently, dire Symptoms proceed. See Wenads, the Worms is the Insections. The

The ordinary Place of the Worms is the Intellines : Tho The ordinary Flace of the Worms is the Intellines: This here is feared any Part of the Body but is formerimes infected with 'em: For helides the Vermes Intellinates, there are Dentales, Gingieseles, Pulmonerii, Cartacis, Sanguinarii, Urinarii, Cutanacous, Umbilicales, Worms in the Liver, the Saliva, &c.

They are all ingender'd from the Eggs of some Infect, de-posited in something that is taken into the Body by way of Food, or some other way.

Fond, or fome other way:

There are three Species of Worms, most frequent in the
human Bady: The Teretes, or round and long, mostly
found in the Dundenum; the Letus, or flast, call d Tenias;
and the round and Thort, found in the Restum, and call'd Aftarides. See Ascanides, Ec.

like Gourd-Scods.

Dr. Tyfon, in the Philosophical Transattions, No 146.
gives a curious account of the flat Worm, or Lumbricat latus; call'd by Hippocrates Tunia, and in English, ordinarily,

yus; call'd by Hippocraces
the Take Worm, or Joined Worm.
This Worms is always fingle: It lies variously convoluted;
This Worms are long as all the Gues, and fometimes wall-

ly exceeds that length

sy execus and reight.

Olaus Berrichius affares us, a Patient of his, in a Year's
rime, voided 800 Foot of this fort of Worm, the he had
not yet met with the Head: in voiding, the Patient always

perceiv'd it to break off

perceive a tro to treats off.

Dr. 75/60 parallels this Cafe with that of a Patient of his,
who wolded will Quantities of this Worm, for feveral Years
megcher: but in various Pieces 5 fone two, three, four, fix,
or more Yards long: But all pur together, he fays, would
much exceed the length of that of Borrichias.

The Joints in this Worm are very numerous: In one of 24 Foot long, Dr. Tyles number'd 507 Joints. Above the middle of the Edges of each Joint, he observed a protuberant Orifice.—Those Orifices he takes for so many Mousts; the best Microscopes discovering no Mouth in the Head,

the best Alterotopes autovering no mouten in the resul-The Worm is frequent enough in most Kinds of Animals; as Dogs, Oxer, Crabs, Herrings, Pikes, &s., Some Authors after, that it is not one, but many Worms link'd rogother, and included in a Spollane of the Intellines; and that this Spolina is not animated, but receives its Sen

purpole.

It was first brought from Italy, where it is in great vog.
It was first brought from Italy, where it is in great vog.
In effect, tis the great regale of the Italians. Other N
tions are hardly brought into the Tafte of it.

It is chiefly used in Soupes and Pottages, to provoke Ve-

nexy.

The Word, in the original Balian, fignifica little Wornst:
They also call it Tagitarini, and Millifanti,
and the state of the st

wnwards; as the Antiperificaltick Motion is by their Con downwards; as the Antiporthitalich Motion is by their Con-traction from below, waveful. Soe Fart Natural Tractics, with a second of the Contract of the Contract of the Con-cion of Worms, does not self-cit all the Paras of the Inter-tion of Worms, does not self-cit all the Paras of the Inter-tion at tonce; but not part after another. Yetasacteriak Wife, Quar Jermedistrow, in Scilpton, Yetasacteriak Wife, Quar Jermedistrow, in Scilpton, Yetasacteriak Wife, Quar Jermedistrow, in Scilpton, of Press, or Knobe, cut with Polan, speedicating, in Some fore, the Tracts and the Yorms. See Mosteriating, in Some fore, VERMITORMIS, in Austrony, 1 Term applied to vari-con Paras in the burna Body is being Some relationator on Paras in the burna Body is being Some relationator of

Such are the Proceffus, or Apophyses Vermiformes; which are the two Extremities of the Cerebellum, fituate near the

Ventricle. See Cerenellum.
Ventricle. See Cerenellum.
Ventricles in each Hand and Foot, which bring the Fingers and Toes towards the Thumbs and great Toes; call'd also Lumbricales. See LUMBBICALES

VERMIFUGUS. See Wonn-Pouder.
VERMILION, a very bright, beautiful, red Colour; in eat effects among the Antients, under the Denomination

great efform among un.
Minium. See RED, and Colour.

There are two Kinds of it 3 the one Natural, the other

The Natural is found in some Silver Mines, in form of a ruddy Sand ; which they prepare, and purify by feveral Lo-

tions and Coctions The Artificial is made of Mineral Cinnabar, ground up

The dratifical is made of Mineral Canabar, ground up with Aqua vire and Urine, and attrewards dryl.

They alfo make it of Lead burnt and wash'd; or of Cornelli, prepared by Fire: But this is not properly denominated Vermilion, but red Lead. See Luxan.

Tis this lait, however, that feems to be the real Ministen of the Anticasts; and secondingly, the Apothecanes and Palment Hill gibe it the Name, to enhance the Frice. See

The antient Greek and Latis Authors, have given us firange fabulous Accounts of this Minium; and feveral of the Moderns have adopted their Dreams: Theophraftus attributes the first Invention of making it to Callias the Athe-Fire out of a red Sand found in the Silver Mines, in the Year of Rome 249 : But Vitruvini fays, it was difcover'd in the Cilbian Fields; where it was drawn from a red Stone, call'd by the Greeks Antiran.

call'd by the Greeks Amstras,
We have two Kinds of Vermition from Halland; the one
of a deep red, the other pale: But 'tis the fame Stuff at
bottom; the difference of Colour only proceeding from the
Cinnabar's being more or lefs ground; when fine ground, the
Vermition is pale; and this is prefer? to the coarier and

It is of confiderable use among the Painters in Oil, and Miniature; and likewife among the Ladies, as a Fueut, or Paint, to heighten the Complexion of such as are too pale. See Paintino, Miniature, Sc.

See Paintino, Miniature, 35.

Among the Antiens, the limages of the Gods were painted with Versailion on the Feasi-Days; and their Generals on the Days of Triumph. See Chinaban.

Versailion is former sailo, the improperly, used for what we otherwise call Kerner, or Samele Grain. See Kramas, 35.

VERMINATION, the Act of breeding of Worms, and

other Vermine; particularly Bots in Cattel.

VERMINATION, is fometimes also used among Physicians, for a fort of Tormina Ventris, or wringing of the Guts; wherein the Patient is affected, as if Worms were goawing

See GRIPES. VERMINE, a collective Name, including all Kinds of

little Animals, or Infects, which are burtful or troublefome to Men, Beafts, Fruits, &c. as Lice, Fleas, Bugs, Careptilars, Ants, Flies, &c. See Insect, Worst, Bleiant, &c. VERMIVOROUS Animals, are such as seed upon Sec ANIMAL

VERNACULAR, is applied to any thing that is peculiar to fome one Country.

Whence, Difeafes which reigo most in any particular Nation, Province, or District, are called Vernacular Diseases.

See Disease.
Such are the Plica Polonica, Scorbutus, Tarantifin, &c.
See Plica, Scorbutus, Tarantifin, &c.

VERNAL

Hence, Perind Lawses, are thole Leaves of Plants which come up in the Spring, Ed. Sec Leaves, and the Verman Series and the Spring Section, one. Aries, Taruns, and Germid. Sec Sicks. Spring Section, one. Aries, Taruns, and Germid. Sec Sicks. Series Section, one. Aries, the which happens when the San I alreading from the Equator towards the North Pole. Sec

EQUINOX.
VERONICA, a Term abbreviated from Vericonics, of Veraicon, of, true Lucge; and applied to Portraits or Representations of the Face of our Saviour on Handkerchiefs. Veronica's are Imitations of that celebrated Original one,

preferv'd with great Veneration at St. Peter's in Rome 5 and imagin'd by forne to be the Handkerchief laid over our

and magnial by frome to be the Hardkerskief laid over our Stroven's Face in the Seguadare.

The first mention we find of that celebrated Relick, is in a Communia complete in 12st, delicated in Prog. Collights.

Communia complete in 12st, delicated in Prog. Collights, and the strong of the Tune when it was brought in Rane. A Facil is kept in home, thereof in mod. Churchea, on the Tungkay in Relicated Churchea, on the Tungkay in Relicated Churchea, on the Tungkay in Relicated Churchea, and it is no be observed, that the Name Fermina is only given than the Tungkay in the Churchea, and the Churchea, and the Tungkay in the Relicated Churchea, and the Relicated Churchea, which was a second to the Relicated Churchea, which knows his Face parts at eight sharp that the Relicated Churchea, which knows his Face parts at girths, and that

than his Face: For usen as repretent his whole sooy, as that of Befancon, which flows his Fore-part at length, and that of Turin, which represents both his fore and hind Part, as having covered him all over; were rever call'd by this Name.

The Painters founctimes make the Veronics to be held up

by an Angel, but most commonly by a Woman; which Wo-man the common People imagine to be a Saint, call'd Saint

Preside.

On this Principle, fome People, towards the Clofe of the IXth Century, began to farry there might have been a Woman of that Name in Jernighem, who had preferred her Handkrechleit to car Saviour, as he went to Calcarry, to wipe his Face withal, befineard, as it was, with Sweat and Bload; and that the Pklune of his Face had been miracal-loully impressed deteroon.

This was no fooner imagin'd by fome, than it was be-liev'd by others: And accordingly, we find by the Travels of Bernard de Bredemback Dean of Ments, to the Holy Land in 1485, printed in 1502, that it was not long ere her very House was found out.

From that time the Fiction gain'd ground, and became a current Legend.

It was at length added, that this same Woman, S. Ve-yonics, was the Woman troubled with the Flux of Blood in youlds, was the Woman troubled with the Flux of hood in the Gofpel: and accordingly, the was foun joind with S. Fiscrius, and invok'd together with him against the Hemor-rhoids.—And hence the Establishment of Feals in honour of S. Formins, in the Churches dedicated to S. Fiscrius. In some of these Churches, particularly at S. Gide's in Valenciennes, this Sains is commonly call'd S. Fouries, by

Abrevistion from the Genitive Veronice: And the Women have a Cultom at certain times of the Year, to hang lines Swather, wherewith they had girt themfelves for nine Days, near her Statue.—And 'tis thence, or rather, from our Sa-viour's Picture express'd on the linen Handkerchief, that the Milleacts have taken S. Veronies, or, as they call her, S. Veniffe, or S. Venecia, or Venifs, for their tutelary Saint, VERRUCA, in Medicine. See Wart. Hence, Verruseus is applied to any Excrescencies which ave a resemblance to Warts.

have a refinablance to Wairs.
VERRY, in Hendely. See Varay.
VERRY, and Rendely.
See Varay.
VERRY, and See Varay.
VERRY, and See Varay.
VERRY, and See Varay.
VERRY, and See Varay.
VERRY, and See Varay.
VERRY, and See Varay.
VERY SEE VARAY.

PROSE. This Repetition of the Poets, appears even in the manner of Writing 3 for one Verfe being fmilh'd, they return to the beginning of another Line to write the Verfe following: and tis to this Return, that Verft owes its Name ; Verfus com-

The for this Return, that it represents a same g region to me feeting from Ferters, to turn, or tenue used to fignify any Accordingly, we find the fame Name used to fignify any thing that is placed in a certain, regular Order: Gerer uses the Word for a Line in Profe y Figil for a Row of These and even of Oam in a Calley. But, as the Regularity of Freje certice with it more Charms, and requires a greater described with the more Charms, and requires a greater described with the Word has, in time, become appropried Landhedi, the Word has, in time, become appropristed to Poetry.

To make Verfe, 'tis not enough that the Measures and Quantities of Syllables be observed, and fix just Feet put, one after another, in the same Line: There are further re-

VERNAL, fomething belonging to the Spring Section up of the Spring Section (1) of the Spring Sec

PICATION

The Greek and Latin Verfes, confift of a certain Number of Feet, of a certain Quantity. See Foor. Some have attempted to make Prench and English Verfes on the fame Foundation; but without Success. See Quantum August 1985. rity, and HEXAMETER.
Vollius is very fevere on

Velius is very fevere on the modern Verie, and makes it altogether unfit for Musick: Our Veries, says he, run all as it were on one Foot; without distinction of Members, or Parts, and without regard to the natural Quantities of Syllatarts, and bettoom registre to the natural Quantities of Syllables. We have no Rysthmuss at all: and we mind northing but to have a certain Number of Syllables in a Verife, or whatever Nature, and in whatever Order. See Ryvinsus. But Mr. Malechin vindicates our Verife from this Imputation. Tils trace, we don't follow the Mercical Composition

tion. "Its true, we don't follow the Metrical Composition of the Antients 3 yet we have fuch a Mixtarie of Brong and foft, long and fhort Syllables, as makes our Verfer flow, flow or rapid, agreeably to the Subject. Instances of all which we have in the following Lines:

Soft is the Strain when Zephyr gently blows;
The hearfe rough Verfe floudd like the Torrent roar: The Line too labours, and the Words move flow, Flics o'er the unbended Ears, and thims along the Main.

By making a finall Change, or Transposition of a Word or Syllable, in any of these Verses, any body who has an Ear will find, that we make a great Matter of the Nature and Order of the Syllables.

Vostus adds, that the antient Odes were fung, as to the Rythmus Ryfomat, in the fame manner as we fan 'em; every 'Pæ' being a diffilled Bar or Meafore, fepentred by a diffind Paufe; Tho, in reading, that Diffindtion was not accurately objerved. Laftly, he observer, that their Odes had a regular Return of the fame kind of Forfe 4 and the fame Quantity of Syl-lables in the fame Place of every Verfe; we wereas, in the modern Odes, to follow the natural Quantity of cur's Syllables, and the control of the Syllables, and the fame of the Control of the Syllables, cannot made be a difficult Source. See Control

modern Obes, to follow the natural Quantity of our Syllubic, every Strans would be a dillited Song, Sec Orn.

The next to impeditive to write Profe, without fomentines

received the second of the second se

The Moderns have invented Heroic, or Alexandrian Ver-fes, which confift of twelve or thirteen Syllables. See Alex-

YANDRIAN.

XANDRIAN.

The Antients have likewife Invented various Kinds of Verfes, or Pectical Devifes; as Centes; Ecbes; Mine-rimes; Equivaced Verfes, where the fame Words contain'd in two Lines carry a different Senie. See Carro, Ecno, and Equivocat. Resiprocal Verfes, which read the fame backwards as forwards. See Retrograms.

VERSE, is also a part of a Chapter, Section, or Paragraph, fubdivided into feveral little Articles. See CHAPTER. The whole Bible is divided into Chapters; and the Chapters fubdivided into Verfet. See Bings. The Dillintion of Verfet in the New Tetlament, was on-

Chapters fabeliveded into Verfet. See Branz.
The Diffinition of Verfet in the New Tetlament, was onThe Diffinition of Verfet in the New Tetlament, was only made by Robert Stephens: And so negligently was it
toon, that his Son Hurry Stephens affare us, he work'd at
it as he travell'd from Party to Liout. Many learned Men
did a great many Faults with that Division, and yet 'tis
every where followd.
M. Simon observes, that the Greeks and Latint meant by
M. Simon observes, that the Greeks and Latint meant by

M. Jillion observes, that the Greeks and Latins means by perfs, a line, containing a certain number of Words. He adds, that the Authors of those Days, to prevent any thing being added or taken away from their Works, ufed to mark at the End the number of Verfe's they contain d<sub>3</sub> but the Books themselves were wrote all running, without any Divi-

Books themtelves were wrote att running, wannas any series, fronts, forts, &c.

VERSED Size, of an Arch, is the Segment of the Diameter of a Circle lying between the Foot of the right Sine, and the lower Extremity of the Arch. See Arch.

Thus, S T, (Tab. Trigonometry, Fig. 7.) is the Verfed Sine of the Arch R T; and A S the Verfed Sine of the Arch A R, the Complement of the former. See SINE.

The Complement of the former. See SINE.
VERSIFICATION, the Art, or Manuer of making
Verse, also the Tune and Cadence of Verse. See VRRS.
Versification, is properly applied to what the Poot does
more by Labour, Art, and Ruie, than by Invention, and the

Genius or Furor Poeticus.

The Matter of Verifification is long and fhort Syllables, and Feer composed of them; and its Form, the Arrangment

and Erec compos'd of them; and is Form, the Arrangement of them in correct, numerous, and harmonious Fergit: But this is no more than a mere Translave may percease to, and this is no more than a mere Translave may be compared to the control of th

Verfes, and that of inventing Poem

Verfex, and that of inventing Poems.
VER.SION, a Transfarian of fome Book, or Writing, out of one Language into another. See Tannelation.
VERT, in Heraldry, the Term for a green Colour. See Granns, and Colours. it is called Verf in the blacen of the Conts.

of all under the Degree of Nobles; but in Coats of Nobles, 'tis call'd Emerauld; and in Lines drawn a thwar, beginning at the finiter Corner of the Efeuthous, as in the Figure adjoining. In lice of Vert, the Freuch Headles als Simple, or Synchronia and Vert, the Freuch Headles als Simple, or Synchronia and Vert, the Freuch Headles als Simple, or Synchronia and Vert.

Pie. See Sinople.

Year, or green Hue, in Forcit Law, any thing that years, and Decars a green Leaf within the Forcit, that may cover a Decr. See Forker, CAME, Ec.

It is cither Down-Fert, or Nether Vert; Over-Vert is the great Woods, which in Law-Books are usually called Hault-Mair. See SINOPLE.

Nother-Vert is the Under-Woods, otherwife call'd Sub-

We formetimes also meet with Special Vers, which denotes all Trees growing in the King's Wood, within the Forest's and those that grow in other Men's Woods, if they are fuch Trees as bear Fruit to feed the Deer.

VERTEBRALES, in Anatomy, a Pair of Muscles, fer-ving to firetch out all the Vertebre of the Back. See Ven-

VERTEBRÆ, a Chain of little Bones, reaching from the Top of the Neck, down the Back, to the Os Sastram; and forming a blind Part of the human Skeleton, call'd the Spins Derfi. See SPINA.

The Verselves have their Name d versendo; because 'tis on them the Head and Trunk turn: The Greeks call them Spondyli, for the same Reason.

The Vertebre are 24 in Number . Seven of 'em belong to the Neck, twelve to the Back, and five to the Loins. See

NECK, LOINS, Sc.
They lie not in a thrait Line; those of the Neck bend inwards, and those of the Back outwards, for enlarging the Cavity of the Thorax; and those, again, of the Loins bend

words, and tode of the Back convends, for enterpoint the Carty of the Torsers, and thode, and, of the Convending words, and thofe of the OB Section convends, to enlarge The Body of cache for Ferriers is proposed and exercence in The Body of cache Ferriers is proposed and exercence having in the middle a large Perfection, they which the Machinel Sprintly 1976, and Severa Apolysic, or Freedits Hindspars formers of the Section 1976, and Severa Apolysic, or Freedits Hindspars fomewhat escarce i is upper and sower Sideware Sphin; cache cover dwith a Cartillage which is prora; their which we bend the Body Secretaria, the Cartillages yielding to the Perfective of the Bodies of the Ferriers, which in hat Me time to make the Section of the Ferriers, which in the Article Section 1976 of the Section 1976 of the Section 2016 of the Ferriers work bodies of the Ferriers were falled to the Section 2016.

another.

The Processes of each Vertebra are of three forts: Two transverse, or lateral; in each of which there is a Tendon of the Vertebral Muscles inserted: Four oblique ones; by which the Vertebre are arriculated to one another: and one acute, on the hindmost Part of the Vertebra.

scare, on the hindmost Part of the Vertelva.
These Processive, which are peculiarly call'd the Spirats, form, with the hinder or concave Part of the Body of the different part of the Body of the American consideration of the Processive Part of the Processive Part of the Processive Part of the Processive Part of the Spirats Marrow, which finds our im Nerves on the forward Part of the Body by Paris, thro two final Holes, formal by the jointing of four Northesia in the Sides of each lapparious Part of the Pa

The Vertebre are articulated to one another by Gingly-mus: For the two defeending oblique Proceffes of each in-perior Vertebre of the Neck and Back, have a little dimple in their Extremption when a transfer of the Neck and Back, have a in their Extremities, wherein they receive the Extremities of the two aftending oblique Procedies of the inferior Verse-

brs; to that the two ascending Processes of each Vertebrs of the Neck and Back are received, and the two descend-ing do receive, except the first of the Neck, and last of the Back; but the ascending Processes of each Vertebrs of the

Back ; but the alconding Procelles of each Ferrebra of the Lolan receive, and the two deficioning are nectived; contra-lation to the second of the second of the contral The Ferrebra are all tied agenthe; by a hard Membrase, made of fivous and large Fibres: I to ever the Body of all the Ferrebra forwards; reaching from the first of the Nock-ton to 0.5 Secrem—There is another Membrase, which liese the Canal, made by the large Hole of each Ferrebra; a contral the second of the second of the second of the theory of the second of the second of the second of the theory of the second of the second of the second of the theory of the second of the second of the second of the theory of the second of t

each Vertebra are tied to one another by the intervening Cartilages; and the Tendons of the Muscles, which are inferted in their Proceeding, the them together behind.

This Structure of the Spine is admirable; for had it been all one Booc, we could have had no Motion in our Backs; had it been of two or three Bones articulated for Motion,

had it been of two or three Bones articulated for Motton, the Medulla Spindist must have been necessarily bruild at every Angle, or Joint: befides, the whole would not have been fo plable for the feveral Politures we have occision to put our Telves in: If it had been made of feveral Bones, without intervening Cartillages, we finall have had so more use of the property of the property of the property of refer had had it soon diffined Cartillages, it might have been eafily diflocated.— Laftly, the oblique Proteffes of each faperior and inferior Verteirs, keep the middle one, that it can neither be thrust backwards norforwards, fo as to compress he Medulla Spinalis. The Vertebra of the Neck differ from the reft,

they are smaller and harder, their transverse Processes per-forated for the Passages of the Vertebral Vessels, and their

they are minute and native, last treatment coulse par-sear Processes forbed and strait; Add, that the first and fe-could have functioning seculist to themselves. The first, ed-lect Affes, it yet loss the Head's and more with it upon the focund, instituted by Month and the first and fe-form, instituted by Month and the first and for-formed the first and formed for the first and for-ter and formed for the first and for-ter and for-first and for-first and for-first and for-ter and for-first and for-first and for-first and for-formed for-first and for-first and for-first and for-formed for-first and for-first and for-first and for-formed for-first and for-formed for-first and for-first and for-first and for-for-first and for-first and

The Vertebre of the Back differ from the reft in this, that they are larger than those of the Neck, and smaller than those of the Loins: Their acute Processes slope downwards upon one another. They have in each fide of their Bodies a fmall Dimple, wherein they receive the round Extremia fmall Dimple, wherein they r.ceive the round Extremites of the Ribs: The uppermot of 'em is foreneimes call'd the Creft; the fecond the Aviilaris; and the reft Coffeits. The Verteire of the Loins are the breaded; and the last of them, the largelt of all the Verteire.

The cash Verteire has but at finall Motion, yet the Motion of 'em all is confiderable: The Head, we have observed, moves only backwards and forwards on the first Verteire,

and femicircularly on the fecond.

The Motion of the other Vertebre of the Neck is not formatifully exist it is greater than that of the Vertebre of the Back; because their acute Proceffes are fhort and that; and the Cartilages which are between their Bodies, thicker. The Vertebre of the Back have the least Motion of any; because their Cartilages are thin, their acute Processes long, and very near to one another: And they are fixed to the ich neither move forwards nor greated Motion of the Back, is perform'd by the Vertebra of the Loins; because their Carrilages are thicker, and their acute Processes are at a greater distance from one another : For the thicker the Cartilages are, the more we may bend the Body forwards; and the greater diffunce there is be-tween the acute Processes, the more we may bend backwards. Such is the Structure and Motion of the Vertebre, when

only differed. If the Vertebra of the Back fitch our vari-outly differed. If the Vertebra of the Back fitch our vari-conflitutes what we call a Bunch's Back: And in such Cales the Cartilages between the Vertebra are very thin and bard, free Carriages between the Priving are very firm and band forwards, but confiderably shick backwards where the oblique Proceffes of the fuperior and inferior Vertebre are at a con-fiderable diffance from one another, which diffance is fill'd

up with a vifcous Substance. This Inequality of the thickness of the Cartilages happens, either by a Relaxation, or a Weakness of the Ligaments and Muscles fasten'd to the backfide of the Vertebra: in which Cafes, their Antagonith finding no opposition, remain

in a continual Contraction The Os Sacrum does also confit of Vertebre in Children ; an et a sagram coes allo connt et Vertebre in Culldere ; which grow fo clofe together in Adult, that they make but one large and folid Bone, of the Figure of an Hofceles Triangle, whole Baffs is tyd to the lat Vertebra of the Loins, and the upper Part of its Sides to the Ilia, and its Point to

the Os Coccygis. See SACRUM OS.

#### VER [ 299 ] V E S

VERTEX, in Anatomy, the Crown of the Head; or talous, but afually hanging down with a kind of Lip, or that Part fitnate between the Similar and Occiput. See turned something like the form of an Helmer: Four Seeds Hence, also, Versex is figuratively used for the Top of

other Things,

other Things.

Thus, the Vertex of a Conc, Pyramid, Conic Section, &c.
is the Point of the apper Extremity of the Axis; or the
Top of the Figure. See Conx, Pyramid, &c.
Vernxx of an Apple, is the angular Point; or the Point
A, (The Geometry, Fig. 1.) wherein the Legs meet. See

ANGEL.

VERNEX of a Figure, is the Fertex of the Angle opposite to the Baic. See Figura.

Such is the Foint M, (Tab. Geometry, Fig. 19.) opposite to the Baic KL. See Bair.

VERNEX of Growe, is the Foint A, (Tab. Geom. Fig. 51.) from which the Diameter is drawn 5 or the Interfection of the Diameter, and the Curve. See Cravx.

VERYEX Of a Glaft, in Opticks, the fame with the Pole thereof. See Pole, Optic Glaft, &c. VERYEX is also ased in Astronomy, for that Point of Hea-

ven perpendicularly over our Heads; properly call'd the Ze-nirb. See Zentru. VERTICAL Circle, in Aftronomy, is a great Circle of the Sphere, passing thro' the Zenith Z, and Nadir N, (Tab. A-

ffrozensy, Fig. 6.) and any other given Point in the Sur-face of the Sphere. See CIRCLE, and SPHERE. face of the Sphere. See CIRCLE, and SPITERE.

Thus, the Meridian of any Place is a Vertical Circle. See MEBIDIAN, &C.

All the Vertical Circles interfedt each other in the Zenith and Nadir. See Zenstri, and Nadir.

The use of the Vertical Circles, is to measure the Height The ule of the Vertical Carets, is to meature the thequi-of the Stars, and their Dilinances from the Zentift, which is reckon'd on these Circles; and to find their Fastern and Western Amplitude, by observing how many degrees the Vertical wherein the Star tiles, or feet, is distant from the Meridian. See ALTITORS, ASTRITORS, E.C.

The Vertical Circles are also called Azimuths. See Azi-MUTH.

Prime Verrical, is that Vertical Circle, or Azimuth, which pattes thro the Poles of the Meridian; or which is perpendicular to the Meridian, and pattes thro the Equinoctial Points. See Prime Vertical.

VERTICAL of the Sun, is the Vertical which paffes thro' the Centre of the Sun, at any Moment of Time. Its use is in Dialling, to find the Declination of the Plane whereon the Dial is to be drawn; which is done by observing

how many Degrees that Vertical is diffant from the Meri

how many Diegrees mate persiste no union a mon. Diegrees mate persiste no died material des die de died died de died de died de died died de died de died de died de d

VERTICAL Line, in Conicks, is a right Line drawn on the Vertical Plane, and paffing thro' the Vertex of the Cone.

See LINE. VERTICAL Dial, is a Sun-Dial, drawn on the Plane of a Vertical Circle; or perpendicular to the Horizon. See DIAL,

and DIAL-Plane. These are particularly call'd Oriental, East, Occidental, West, Meridienal, South, and Septentrional, or North Ver-sicals, when opposed to one, or other of these Cardinal

Points of the Horizon. See East, When, ge.
When they don't look precifely to any of them, they are call'd Decliners: And when their Plane, or Surface is not perfectly perpendicular, Recliners. See DECLINER, RE-

VERTICAL Point, in Aftronomy, the fame with VER-

TEX, OF ZENITH. TEX, OF LENTTH.

Hence, a Star is faid to be Vertical, when it happens to be in that Point which is just over any Place.

VERTICAL Line, in Dialling, is a Line on any Plane per-

This is boff found and drawn on an creft and reclining

This is left found and drawn on an credt and reclining plans, by bothing up a Strings and beavy Planmar ideality, plans, by the strings of the Shadow of the Theodo on the Things, a good dilusion of the State of the Shadow of the Things, a good dilusion of the Shadow o

cording to Mr. Ray, is, that their Leaves grow by Pairs, one just against another, on the Stalk: the Flower monope-

after each Flower; to which the Periantheum of the Flower ferves inflead of a Capfula Seminals. The fame Author makes two Species of these Verticillate

lants

10. The Fruticofe, or such whose Superficies is Percential: 19. The Praintings, or tach whole Superinces is Percennative Thede, again, have either a plain Flower, as the Chemnedry's Valgaria; Thurston, and the Marum Syracum; or a Plower with a Lip, which they call a Labated Flower; or one fomething in the form of an Helmer, which they call Calenda, as the Seria Secular Medium Badmarium. Galeated; as the Sacria Stechas, Hysfopus, Refmerinus, Satureia, Marum vulgare, Thymum vulgare, and the Po-

ilium Montanum.

2°. The Herbaces, or fuch whose Stalks are not Perennial; these are the Menthe, Verbena, Dictamnus Cresious, Origanum, Majorana, Ocimum, Horminum, Galcopfis, Ne-

The Attraction of the Magnet was known long before its Verticity. See Compass, NEZDLE, Séc. VERTIGO, in Medicine, an Indisposition of the Brain, wherein the Patient fees the Objects about him as if they turn'd round, and fancies he turns round himself; the all the

while at reft. Phylicians diffinguish two Kinds, or rather, two Dogrees of Vertigee: The first, call'd a Sample Vertige, is when the Body and external Objects appear to turn round, without any

great dimness of Sight.

The other, call'd Scotomia, or Verrigo Tenebrofa, is when the Eyes are darken'd, and as it were cover'd with a Mist. Sec Scotomia.

Sec Scoromia.

Some make a third Stage, vie. a Vertigo Caditea, wherein the latient actually falls down: But this feems karee to
differ from an Epiletyl. Sec Eritzers

montimes the Vertigo is feated in the fore-part of the
Head, and formetimes in the hind-part: whereof, the later

Head, and concernies in an appear of the more dangerous.

Bellini accounts for the Vertigo very well, from a preternatural Motion in the Resina; for 'tis evident, an Object will form to move circularly, if the Images thereof, painted on the Retina, fall faceoffively on different Parts of the Re-Sce RETINA

time. See RETNEA.

This they may do, either by the Objects moving while the Bys is at relt, or from the Bye moving while the Objects are relt, or from the Bye moving while the Objects are relt, or being the the Objects are relt, or the Objects are relt are relt of the Objects are relt are relt or relt.

fented. See Viston. External Cases of Vertigines, are a continued turning round of the Body, Drunkennets, too long Patting, immoderate Exercife, Suprise, Voracity, much use of Patte, Oniona, Lecks, Raddiffes, Cabbage, Modard, &c. and in the general, whatever may prefs, difficult, or contract the

Arteries.

The Word is form'd a verrendo, from turning.

The firl' Step in the Care, is bleeding in the Jugular, or Capping; then they proceed to an Emeric; then a Veficutory on the Neck, or a perpetual Bilitier, or Iffues; with Stermatauties, and the other Medicines that obtain in the Apoplexy. See Aport.xx.

Semusuotis, and the other Meditions that obtain in the Aponicary. So APONELES.

VERTILLAGE, in Agriculture, the Tilling, or preparing of Gound to control the Society by turning, filling, or VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE. See Visivas.

VERTUE.

meunto Lord and Teant, to one another.

—And know or, that in aking of Leafts fix things are unceffary, viz. Very Lord, and Very Tenant; Service behind; the Day of the taking 3 ceftin of the Service, and evithin his Fee; and that a Man It was Very Tenant, until the have atturned to the Lord by fone Service. Old Nat Brev. See Theman, 65.

VEST.

VESICA, in Anatomy, a Bladder; a membraneus or fkinny Part, in which any Humor is contain'd. See Bladder. Vesica Bilaria. See Vesicula Fellis. VESICA, among Chymitts, is a large Copper Veffel, tinn'd on the infide; uled in diffilling Ardent Spirits: fo called, as refembling the Figure of a blown Bladder. See Distil-

VESICATORY, an external Medicine, ferving to raife a Blifter; whence also it is it felf, the improperly, call'd a See BLISTEE.

Bilder, See Bastwas.

\*\*Pécitatries are Ungarus, Cataplafin, or Piálter made

\*\*Pécitatries are Ungarus, Cataplafin, or Piálter made

\*\*Pécitatries are Ungarus, Cataplafin, or Piálter made

\*\*Pécitatries are Sils, mad rafilar pécific, or Bildedre ;

\*\*We have Pécitatries made of Catharides, Emplechium,

\*\*Péris Solimane de Morente de Cataplates, Marines,

\*\*Péris Solimane de Morente de Cataplates, Parines,

\*\*Péris Solimane de Morente de Cataplates, Marines,

\*\*Péris Solimane de Morente de Cataplates,

\*\*Péris Solimane de Morente de Morente de Cataplates,

\*\*Péris Solimane de Morente de Morente de Cataplates,

\*\*Péris Solimane de Morente de

Veficatories are a stronger fort of Sinapifms. See SINA-

TISM, CAUSTIC, &c. VESICULA, Veficle, a Diminutive of Vefice; fignifying

little Bladder. The Lungs conflit of Vesicule, or Labules of Vesicule, ad mitting Air from the Bronebie; and not only Air, but also of Dati, &c. See Lozure, and Lunes.

There are several Parts in the Body which bear this Ap-

pellation; as the, VESICULA Fellis, Ciftula Fellis, or Gall-Bladder; which is an oblong, membranous Veffel, not unlike a Pear both in form and lize; fituate in the hollow Part of the Liver.

Sec Liver.

It adheres to the Liver, not only by its Veffels, which it receives from it, but likewife by its Membranes, whereof, the External is common to both. The lower Part, which hangs out of the Liver, rests on the Pylorus of the Sto-Its Trunks, or Membranes, are usually recken'd five; an outer, or common one, from the Peritoneum; an inner one,

on that fide which adheres to the Liver from the Capfula of the Ports, and of the Ports Bilarius.

of the Dwras, and of the Dwras Bilarius.
And there proper core: I The first whereof is Valcaious; the faceod Midshir; such that the property of the faceod Midshir; such that the core of direct parties with a Mitorology, come but third. Refind for this accurate Difficient, the feveral Corlete of Fibres of the forecast Corns properties, the low order than an infinite: Verplexity of Vef-The Gall-Biadder is sufully diltinguistic than the Fundamian which is the wheleful Part; and the Cultim, or Neck, which the wheleful Part; and the Cultim, or Neck, which

is the narrowest is the narrowett.

In the Northuk Fellin being prolong A termination. The Northuk Fellin being prolong A termination for the Northuk Fellin and Statement which, as boat two Inches diffuse from the Gall-Bladden, is joined to the Mantas Hepstates, the Co, together, form the Dudlus Communis. See Ducross, Maxwes, 5%:

The use of the Gall-Bladden, is to receive the Blie after its being feerered in the Glanda of the Liver; and to diffuse the processing the Control of the C

The Bile found in this Veffel is of a brighter yellow, a greater Confidence, and more bitter and acrimonious than that in the Porus Bilarius. See Bile.

VESICULE Seminale: Scc SEMINALES.
VESICULE Sciple: Scc SAMINALES.
VESPER, in Altronomy, called allo Hipperus; is the Planet Venus, when she is Westwards of the San. Scc

VENUS.
VESPERS, in the Romifib Church, Borning Songs; that Part of the Office which is rehearfed after Noon: answering to our Evening-Prayers; except that it differs more from the Office of the Morning, call'd Massims. See Max-

Sicilian Vespens, is a famous Æra in the French Hittory; fignifying a general Maffacre of all the French in Sicily, in the Year 1282; to which the first Toll that call'd to Vefpers was the Signal to have happen'd on Easter-Eve : o-

Some will have it there on the Day of the Annunciation.

It was rais'd by one Prochites a Cordelier, at the Time when Charles of Anjon, Count of Provence, was King of Naples and Sielly.—The Women with Child by French-

Naples and Sicily .-After the like manner, we say, the Mattins of Moscow, speaking of the Muscowites affassinating their Prince Demetrins, and all the Poles his Adherents at Moscow, the 27th of May 1600, under the Conduct of their Duke Choursky, at fix a clock in the Morning.

fix a clock in the Morning.

VESPERTILIONUM Ale, q. d. Bats Wings, among Anatomitis, two broad membraneus Ligaments, with which she bottom of the Womb is ty'd to the Bones of the Flank;

VESPERTINE, in Aftronomy. When a Planet fets af-the Sun, it is faid by fome to be Vespertine. VESSEL, Vas, Vasa, a Thing proper to hold or con-

tain Liquot.
Thus, a Tunn, Hogshead, &c. are Vessels fit to contain
Ale, Wine, &c.

The Chymifts use a great diversity of Vessels in their Operations; as Matrasses, Pelicans, Retorts, Receivers, &c.

what we know, without end. See MEMBRANE, FLUID, &c. In the new Syftem of many modern Philosophers and Phy-ficians, Veffel is a Name common to all the folid Parts of

ficians, Vells is a subsequent of the Body. See Solin.

Theic Authors explain the whole Animal Occonomy,
Franchions, See, from the different Liquora diffus of throughout
the Body, and the Tabes, or Vells which contain those
Liquots. In effect, all we know in the human Body, is ci-

Liquote. 'In cifed, all we know in the human Body, it is the Fifth, a Clause. See Discarsion that some Perro of the Body, as the Heart, Sphene, 16th, as the Heart, Sphene, 16th, as the Heart, Sphene, 16th, are the Heart, Sphene, 16th, are the Mederma, by the advantage of Microficope, Injektoms, the Moderma, by the advantage of Microficope, Injektoms, and the Microficope, Injektoms, and Canada, Canada, 16th, and the Microficope, Injektoms, and Injektoms, an

Material Beings; owning, only, two Elements, v.s. a Mat-ter infinitely liquid, diffus'd thro' all Nature; and bard, or folid Parts; which are, as it were, the Veffels of mat Mat-

folid Parts; which are, as

field Pirat; which see, as a wore, the ryon we. The Child Pirat; which see, as wore, the ryon we. The Child Pirat 
For, in the Actions whereby Nutrition, &c. are effected, the greater Vessel's being much differeded by their Hamour, the imaller Vesicles, whereof the Membranes or Coats of the ne muster rejects, whereof the Membranes or Costs of the largest are wore, become compred'd and threighted's, and valengh quite city, and void of Juices; fo that growing operation, the Elsers kame the inter and florager by the iofs of the Pégléss. And hence the Strength, Firmack, Stiffnels, Oct. of the folid Parts. See Sozin; for all Disputation and Disputation of the Cost of the State of the

and, the of the fold Paras. See Social's fee also Distans, and Dazarii. Surjection, is a cammon Name feel allowed Shipping, i.e. all flowing Machines, or Vehicles that move in the Water. See Soliver, and the work which with and all, and live in all Song. as Fishel, Gatenia, 1891; See. See Salianse. And factorized Phylin, which you have feel to the see Soliver, the S

regard to their Motion, Sailing, &c. and in the determining what Form is most commodious, the new Doctrine of Infinites becomes of apparent Service to Navigation and Con

A Body moving in an immoveable Fluid is obliged to fever the Parts thereof; and they result such Separation. Now, fetting afide a certain Tenacity, whereby they are glued together; and which is different in different Liquids; the whole Force of the Refiftance depends on that of the Shock, or Impulse: For a Body that is firuck, firikes at the Shock, or implies: For a Body that is irrack, irrikes at the fame time, but a perpendicular Stroke is that a Liquid refulled motif, as being the greated!: And for a Body move freely therein, it much be of fach Figure, as to preferr it left as obliquely as possible. If it were triangular, and moved Point foremod, it is creating all in Fars would first fame of the contract of the c

the lame Obliquity; and it were lines authorized to each floud firthe more obliquely than its Neighbour.

Now, fuch a perpetual Augmentation of Obliquity, can no where be had but in a Curve Line; each Point whereof

no where he had but in a Carre Line; each Point whereof is confided as an infinitely final lips Line, always inclined to the other little light Line, consignous to it. The control of the line is the line of the line is a line of the line in line is the line in line in line in line is line in l least Resistance.

leaft Medifiance.
That Author, however, did not publish his Analysis, yet the Marquis & Ulfriral bit upon it. And streawach Mr. and the Mr. and Mr None first instituted four Vestats, and Pittaret tells us, Servius Tullius added two more: which number, fix, lasted as long as the Worship of the Goddefs Vesta.—"Tis true, S. Ambrose reckons them seven; but without any Founda-

tion. The Veftats made a Vow of perpetual Virginity: Their Employment was, the Sacrificing to Vefta, and keeping up the Holy Fice in her Temple. Hethey violated their Chalit-ty, they were panish'd with remarkable Severity; below flut up no burded in a deep Fir, or Cavern, with a highred flut up no burded in a deep Fir, or Cavern, with a highred devoid by Honge Water and Milk, and there left to be devoided by Honge Water and Severy as of the Fire years re-kine who when the Negatific Managery as of the Fire years re-kine when the Negatific Managery as of the Fire years re-kine the Negatific Managery as of the Fire years re-kine the Negatific Managery and the Negatific the whip'd by the Postifes Maximut; and the Fire was re-kin-died by the Sun-Beams collected, fome fay, in Burning-

died by the San-Beisma collected, fome fay, in Burning-Glaffes, and not cherwife.

To be fecure of their Virginity, a thoir Annifiles, and the Theory of the Committee of the C be affiliant in point of Advice to the other Vestati.

The first ten Years they were to employ in learning their

The hift ten I cars they were to employ in learning their Functions; it be ton following they were to exercife them; and the laft ten, to teach them to others.

Their Order was very rich, both on account of the Endowments of the Emperor, and of Legacies of other Perfons. The Viffait had a particular Place allotted them at the Amphitheaures and Games of the Circus — Their Vehicle

Amphinicates and vames of the cross.— I near vehicle was the Carpentum, or Pilentum. See Carpentum, Green and Carpentum, or A. fart, they were nominated by the Kings, but after the Extinction of Mensachy, by the Pontifice Maximum, or High Prieft. The oldeft of them was call'd Maxima, as the first Pontiff was Maximum. See Pontiffs.

They had divers Privileges: difpoied of their Effects by Tertament in their Father's Life-time; had the fame Gra-tification as a Mother of three Children; and whenever they met a Criminal going to Execution, had a Power to pardon him.

pardon him.

The Fire, which the Veffals were to watch, was not on an Altar, or a Hearth; but in little carrhen Veffels with two Handles, call 40 Captainnain.

This Fire was held a Pledge of the Empire of the World. If it went out, 'twas held a very unlacky Prognostick; and was to be explained with inflaint Coremonies. Among the

was to be expared with finance Ceremonics, among use Remonts, Felfus tells us, it was only to be re-kindled by the rubbing a kind of Wood, proper for the Purpofe. But a-mong the Greek, Plutarek, in the Life of Nama, observes, it was to be re-kindled by expeding fome inflammable Mat-ter in the Centre of a concave Veffel held to the Sun,— For it is to be noted, the Romans were not the only People

who kept the perpetual Fire of Vofta, in imitation of the celeftial Fires: but the Greeks were postes'd with the famo Superstition; particularly the Delphrass, Athenians, Tens-Superfittion; particularly the Delphians, Athenians, Tene-dians, Argives, Rhodians, Cyzicenians, Milefians, Ephofi-

VESTALIA, Feaths held in honour of the Goddels Vesta; on the fifth of the Ides of June, i. c. on the ninth Day of that Month. See Frage.

On that Day, Banquets were made before the Houses; and Meats fent to the Veftals, to be offer'd by them to the

The Affes that turn'd the Mills for grinding of Corn, were 100 ARCS that turn'd the Mills for grinding of Com, were on this occasion ice about the Circy crown'd with Eleowers, and Chaplers form'd of pieces of Ercad; and the Milliford were likewife deck'd with Gafalands and Coowar. Of the Company of Vigits; and an Airar was everted to i pajete the Bakers, Soci Philos., in the Capitol.

The Vigitals had their Name 10 and that of their God-The Vigitals had their Name 10 and that of their God-The Vigitals had their Name 10 and that of their God-The Vigitals.

1 no Folialis use their Name from that of the Golden Fig. of Moore the Golden Fig. of Hearth, whom the Greeks call'd Felsa, Fire, or Hearth, whence Green derives the Latin Name.—Accordingly, the Poets frequently the Vefla for Fire, or Flame; as Jupiter for Air, Geres for Corn, Go. See Gon, Go. VESTIARIUS, VESTIARY, in Antiquity, a Master of a Ward-robe; or an Officer under the Greek Empire, who had the Care and Direction of the Emperor's Apparel,

Robes, &c.

Roces, Grannellierin, or Jeff Felizay, was the grand Mrthe Production. In a manage the Ramonis, Well-vitarins was only a Salefinan. But In-Architecture, a kind of Enry into large Buildings; he hing an open Blace before the Hall, or at bottom of the Strittect. Felilar only incoded for Magnificence, are usually between the Court and the Garden : These are founctions for weep the Court and the Garden : These are founctions for Fefihier only intended for Magnificence, are fully be-ween the Coart and the Garden; Their are formirms for-tured to the Coart and the Coart and the Coart and their and former times from a new control under four-cinguil Lines, or a circular one, but from Several Vancourpe and Keen-cope, furnish? of with Philaters, \$G\_{2}\$, at the Emma-graph of their cope, furnish, and the Coart and their cope and Keen-cope, furnish, and the Coart and the Coart of their House, to melter Prope chilg'd to find and the Door, from the Wenthers, we have full Fefihier of the like Man, in many of Churches, House, \$G\_{2}\$, call of Parelois.

See Porch.

SEC FORCH.

Martinuis derives the Word from Feste stabulum; by reason the Fore-part of the House was dedicated to Fester.

Deviler derives it from Fester, and archive 5 by reason Feore pic there begin to let their Trains fall.

Verynne, in Anserte.

VESTIBLE, in Anatomy, the Fore-part of the Labyrinth rhe Ear. See Ear, and Labyrinth. of the Ear.

of the Ear. See E.A., and LAXTANETH.

The Vellible is a famil Cavity, of an inregular Form, placed immediately above the Baist of the Stapes between
the femicircular Camenda, and the Cocklen's the Tearler
In it appear divers Forming a set that of Causin; that of
the Caching and five order eye find ones, the Works
for many Nerrea pair. See Formatte, YEANSTAN, Eff.

VESTIGLA, a fair Verm, frequency uled by Degliff
Writers, to fignify the Trace, or Footleps any thing has left
behind it. See Trace;

The Word is particularly applied to the Marks remain-g of fomething Antique, gone to Ruin by Time. See

VESTRY, VESTIARIA, a Room adjoining to a Church, there the Priefts Vestments and facred Utenfils are kept.

VESTRY-Men. VESTRY-Men, a felect Number of the principal Persons of very Parish within the City of London, and elsewhere 3

who yearly chuse Parish-Officers, and take care of its Con comments. See PARISH.

They are thus called, because they usually meet in the 
Vestry of the Church. See Secretarium.

VESTRY-Clerk, an Officer who keeps the Parish Accompts. VESTURE, VESTMENT, a Garmont, or Cloathing.

Sometimes, in our Law-Books, it is used metaphorically ; as in Vestura terre, i.e. Segetes quibus terre Vestitur; the Com wherewith the Earth is clothed, or cover'd.

Card wherewith the Earth is clothed, or cover'd.

— Veflure of an Acre of Leash, is the Profit of it, or
the Wood, Corn, §6., growing on it.
Vesrvera lol finginize a Folfettion, or admirtance to a
Poffettion: In which Senfe it is borrow'd from the Feedults a
with whom Inveflurar's fignifies a Delivery of Poffettion by
a Spear, or Stair's and Veflurar, Poffettion is fell. See laves-

VETERAN, VETERANUE, in the Romen Militia, a Sol-dier who was grown old in the Service; or who had made a certain number of Campaigns; and on that account was en-titled to certain Benefits and Privileges. Twenty Years Service, were fufficient to entitle a Man to the Benefits of a Veteran.

Hhhh Thefo many Variat in song exempted from an the runtions of a Soldier; in enjoying a certain Salary, or Appointment, \$4. In France, the Term Veteran is till retained to fuch Offi-cers as have held their Polis to Years, and who enjoy cer-tain of the Honour, and Privileges affixed thereto, even

usin of the Housen and Frivileges struct theorets, even size they have bell win down, which and Seat at Andienses, and the structure of the st to mat End, drives 'em to Haces unknown : or when, with-out any Words, they are for eligipt'd, as they cannot be re-pleved. See Dispussion.

Dispuss Lords of Hundreds and Courts Baron, have Power to bodd Plen de Veits Neuris.— Methoda de morrous Mars clamar in Mascorie de Mawerden dust Lawdays, & Optogramiely & plastia de Namio veito, fine breve demain Johnston and Lawday and Mars of the Mars of t

Intergraphy 15 placets de Namio vortio, fine preve domini Regis. Int. Record, in Thefaur. Scac.

VI & Armit, q. d. by Force and Armi, a Law-term utch in an Indictment; to denote the forcible and violent Committon of any Crime. See Trasspass, and Indictment being the committed of any Crime. minuon of any trime. See TRESPASS, and INDICYMENT.

VI Laica Ressecteds, a Writ, lying where debase being between two Parfons, or Provitors for a Church; one of 'em makes a forcible Entry into it, with a number of Laymen, and holds the other out.

and notes the other out.

VI Leica Admovemeds, a Writ which is fere'd when a
Bishop has certify'd into the Court of Chancery, that the
Parton of any Church within his Juridition, is kept out of
his Church or Giebe by any Lay-Force.

VIA, Way. See Roan.
Via Militaris, in our Law-Books, is used for a Highcarej, que publica dici poterit E ducit ad Mare E ad Por-tum, E quandoque ad Mercata. Bracton, Lib. IV. c. 16. Via Regia, in Leg. Hen. I. is defined to be that que fem VIA REGIA, In Leg. 1800. L. is connect to be toat quie fini-per apera, E. gounn more conclusator potel cum minist fait, quie ducit in Civintaem vel Hungum vel Pertum Regit. "That which is always open, and which no body may flux by any Threatt, as leading to a City, Port, or Town.—Its Breadth the fame Laws prefribe to be fuch, as that two Carn may meet each other, and fixteen Horkmen arm'd go

a-breaft, VIA Lattes, in Aftronomy, the Milky Way, or Galaxy. See GALAXY.

See GALANY.

Via Sellis, the Saw's Wey, in Aftenomy, is used among fome Afteromers for the Belliptic Line; so called, because the San never goes out of it. See Betterric.

VIE. 97-jimes, among Physicians, are the Stomach and Guis; including the whole Length of the Alimentary Duck

Gas, including the while Length of the Alimanus Dock or Cinal, from the Month on the Alimanus Dock or Cinal, from the Month on the Children Air. Soe Divers; for all 65 recent Air, 18 responses, 18 r mans, to the Gods who had the Care and Guard of the Roads, and Highways; call'd by the Latins Vie. See Gon. The Dit Viales, according to Labre, were of the Number of those Gods called Dit Animales; who were supposed to

be the Souls of Men changed into Gods; and were Kinds, viz. the Visles and Pensers. See Prayers. The Visles were the fame with those coherent The Visits were the fame with these otherwise call'd Larse; as least, some of the Larse were decominated Visits, viz. such of them as had the more immediate Inten-

aux, viz. nuch or thom as had the more immediate Inten-dency of the Roads. See Lanss. Hence, the two Names are fometimes join'd, and those Highway Deiries call'd Lares Viales; Witness that Inferig-tion in Gruzer.

FORTUNAE

REDUCI LARI AETERNAE AELIA O. AXIUS AELIS NUS - VE. PROC. ATIG. IONI

VIATICUM, among the antient Romans, was the Allowance or Appointment which the Republick gave to fuch

of its Officers as were fent into any of the Provinces, to ex-ercife any Office, or perform any Service, or Commission; as also to the Officers of the Army, and even the Soldiers,

See PROVINCE.

Tacitus makes mention of it, Lih. I. Annal. c. 37. Via-ticum amicorum ipfiußus Cafaris; meaning the Appoint-ments which the Republick paid to Germanicus, and his

Officers. Oliscon.
This Visiteum, however, did not confift altogether in Mo-ney: The Ring given the Magistrates and Oliscers fent into the Provinces, was part of it; fo were the Clothes, Bag-gage, Tents, and the rest of their Equipped.
In the Ramillo Charch, Visiteum is still the Allowance made a Religious, to defray the Expences of a Journey, Mis-fon, 6%. So Misrow.

'he Term is also used for the Communion, or Euchariff,

which is given to People in the Pangs of Death; or who are about to make the Voyage of the other World.

The Visious is not given to Perfons executed in courle of

VIATOR, in Antiquity, an Officer of Justice among the

Rement:
The Term, originally, had no other Signification than that of a publick MetEnager, or Servant fant to advertife the Senators and Magiliareas when Affemblies were to be held, where their Preience was required. And because in the first Appendix of that Enniger, the Reman Magiliarea lives modify at their Country-Hoades, their Officers being obligation to be disquared upon the Road were called Visitories, Travellers a from Pris,

Highway.

In process of Time, the Name Viator became a common Name for all Officers of the Magistrates; Litturs, Accensi, Scribes, Statores, and Cryers: whether it were that these Names and Offices were confounded in one; or whether Names and Offices were confounded in one se whether there was a general Names, and the real particular case, ignorance of the property of the property of the con-inguity of the property of the property of the factors to infiniste, when he fays, that that Member of to be whiped, was called Lifter. See Accesses, Secured, to be whiped, was called Lifter. See Accesses, Secured, Be this as it will, the Names Lifter and Future or teen ded indifferiminately for each other a and we as often more with. Seed to pick, or advertige has by a Lifter, as

by a Viator.

mece with, Sead to Jeth, or activity time by a Littler, at \$2.50 km. The Confidence of the Confidence

A Pendulum 3 Feet 3 Inches and 2 tenths of an Inch, according to Haygers, or 39,25 Inches, according to Sir J.
Moor and Lord Brouncher, vibrates Seconds, or makes
3600 Vibrations in an Hour. See Second.

More and Lord Brancher, citerate Seconds, or makes for Floritonia on a House. So Stocks are un most rims are the state of 
of the second of the Number of Flaterines of a given Feedbann, in certain time, see might establish an universital Mediary throughout the whole World; and fix the Ferrent Mediare world again, if at any time they finded chance to be left, as it the Cafe of most of the asterior Mediar force, which we now only now by your for the asterior Mediary, which we now only now the proof of the statest Mediary, which were only now the proof of the time that with that of Gerriy, the Financiar of the time kind with that of Gerriy, the Financiar of the time Cost equally freetable, the whole the control of the state of the time Cost equally freetable, the whole the country, the Financiar of the time Cost equally freetable, the whole the country of the financial force of the time Cost equally freetable, the whole the country of the financial force of the time Cost equally freetable, the world of the time Cost equally freetable, the country of the financial force of th

are equally bent and infected. See GHORD, ELASTICITY, FIRER, \$66.

The Vibrations of a Spring, too, are proportional to the Powers whereby it is bent: Thefe follow the farme Laws in those of the Cord, or Pendulum, and confequently are equi-diumal; which is the Foundation of Spring-Watched.

See Spring, and Water. VIBRATION is also used in Physicks, Sc. for divers other lar alternate Motio regular alternate Motions, Senfation is supposed to be perform'd by means of the or-

bratory Motion of the Nerves, begun by external Objects, and propagated to the Brain. See Sensation, Vision, Nerves, Ec. The feveral forts of Rays of Light, Sir I. Newton con-ceives to make Vibrations of feveral bigneffes; which, ac-cording to those bigneffes, excite Sensations of several Colours; much after the fame manner as Vibrations of Air, according to their feveral bigneffer, excite Senfations of fe-

according to their tereral bigoettes, excite Seniations of deveral Sounds. Sec Co.cova. Sound, Ed.
Heat, according to the fame Author, is only an Accident of Light, occasion db by the Rays putting a fine, fubril, otherial Medium which pervades all Bodies, into a cibrative Motion, which gives us that Scofation. See Manuss, and

HEAT.

From the Vibrations or Pulses of this fame Medium, he Transmission the alternate Fits of easy Reflexion and easy Transmission of the Rays. See Lieur, Ray, Reflexion, See. In the Philosphical Transactions it is observed, that the

In the Philiphylical Transfellions it is obleved, that the Butterly into which the Sileworn is transferred, makes as Phirtiers or Motions of its Wings in one Continuation of the Continua

Regular; and even over Laymen.
The Word is form'd from Vicarius, qui alterius vices gerit. The Word is found from Vicarius, pris alternus vices gent. Among the anient Remain, Vicarius, Vicari, was properly a kind of Lieutenan, fent into the Provinces where there was no Governous. For the two properly the Emperor's Vicari, to those of Governous. Vicari, of Diffe. Vicar, Laily, in the Time of the Estlern Empire, was governed by two Vicarii: The cone Vicar of Italy, who relied at Amone.

Allen; the Other of the City, who relied at Amone.

Cajas observes, that the Word Vicar was sometimes, the rarely, attributed to the Lieutenant-Generals of Proconfuls,

or Governours of Roman Provinces.

Vican, in the Canon Law, a Prieft of a Parish the dial Tithes whereof are impropriated, or appropriated; that is, belong either to a Chapter, Religious Houle, &c. or to a Layman, who receives em, and only allows the Vicar the

a Layman, who receives em, and only allows the rear the imail Tithes, or a convenient Salary, anitothy call'd Portio congrue. See Tirus, Appropriation, 156. He is thus called quad' use fungers Reforit, as fering for, or in lieu of a Recker, who would be initied to the great Tithes. See Recross.

Thefe Vicars were antiently call'd Perpetui Vicarii ; b cause not appointed by the Impropriator, and licens'd by the Bishop to read Service; but presented by the Parron, and Canonical Institution given 'em by the Hands of the Ordinary; and fo having constant Succession, as Corporations, never dying. The Canonills mention four Species of Vicars : fome Per-

petual; others appointed for a certain Time, and on fome fpetial cocation, call'd Morcomari; others call'd Speciales, appointed not for the whole Care, but for fome certain Place, appointed not for the whole Care, but for forme certain Place, Article, or Aft: others Generales, neither perpetual, not appointed for any certain Act, but for all Things in the general. Vicas General, was a Title given by King Henry VIII. to Thomas Crowwell Earl of Effect, with full Power to overfee the Clergy, and regulate all Matters relating to Church

Affairs

Affairs. VICE, Virium, in Ethicks, is ordinarily defin'd an elective Habit, deviating, either in Excefs, or in Defcft, from a just Medium wherein Virtue is placed. See Virium.

The call'd a Habit, to diffinguish it from Sin, which is coly an Act: Hence, a Sin is look'd on as fomething transfent; and a Vice as something permanent. See Sin, Harry, See.

and a Vice as fomething permanent. See Six, Hanir, &G.
Authors diffinguish three States of Vice; the first Incom-tinenties, of Incontinence, wherein a Person fees, and ap-proves the Good, but is hurried to Evil by the Violence of

prove the Good, but is huntred to Evil by the Violence of his Pillions: The Good, Attempterstate, of Intemperstate, wherein some the Judgment is deperved, and perverted. The third, Attributi, of Oduracy; a better in the Totals at the Total Control of Interpretate, as Mallice, wherein the Remorfs is not for Interpretate, as Mallice, wherein the Remorfs is not for Interpretate, as Mallice, wherein the Remorfs is not for Interpretate, as Mallice, wherein the Remorfs is not for Interpretate, as Mallice, and Interpretate, as Control of the Metals, is a Malline or Interpretate, as Mallice, and look fatt the Pieces.

to be filed, bent, riveted, Ус. See Smither, Ус. To file fquare, 'tis abfolutely neceffary the Vice be placed perpendicular, with its Chaps parallel to the Work Bench

See Figure 6. The Face, or Plane, which is its uppermost Part 3 the Chaps, which are one with a baffard Cat, and well temper d 3 the Street-pin, cut with a figuare fitting Worm, it has a figure Worm, and is brazed into the reund Box 3 the Spring, which throws the Chaps open; and the Foot, on which the whole is mounted.

whole is mounted. Hand Yeles, ferving to hold the letter Warts in, that require often running about Hand-Vice, which is that require often running about Hand-Vice, which is that commonly wife, as formed shops Hand-Vice, which is that commonly wife, as the Children, Vice is also a Machine field by the Gillaren, to stars or draw Lead into that Roda, with Groove on each fiels, to revue the Fidgues of the Gillare, to Lan.

This Machine confifts of two Iron Chaps, or Cheeks, join'd This Machine conflist of two iron Chaps, or Carces, you a with two croft iron Pices.—In the Space between the Chaps, are two fice! Wheels, with their Spindles or Axes paired thro the middle; each of which has its Nat, or Pinion with Tecth, that catch into each other: To the loweff is fitted a Handle, whereby the Machine is turn'd.

There are some of these Vices double, and that will draw two Leads at once: These have three Wheels. Some Gia-ziers will turn Lead of different Sizes in the same Vice; by

changing their Checks for each Size.

With another Pair of Spindles, whose Nuts almost meet, they turn Lead for Tiers; which when it comes out of the Vice is almost cut afunder, in two thicknesses casy to be

Before the Invention of this Vice, which is but a late Thing, they used a Plane: Accordingly, in all the antient Windows, we find the Lead planed, and grooved that way. SCC GLASS.

Vice is also used in the Composition of divers Words, to denote the Relation of something which comes instead,

to denote the Kelation of fomething which comes interes, or in the Place, of another.

In this Senfe, the Word is Latin, Fier, itead, place, turn, &C.

Vice-Admiral, is one of the three principal Officers of the Royal Navy; who commands the fecond Squadron, and has his Flag, fet up in the Fore-top of his Ship. See Another Senfer and Squadron, and

MIKAL, NAVY, &C. Vice-Chamberlain, call'd alfo in antient Statutes, Under-VICE-Commercian, can d and on antient Status, controlled Commercian; is a great Officer in the Court, next under the Lord Chamberiain, and in his absence has command and controll of all Officers belonging to that part of the Housthold call'd the Chamber, or above Stairs. See Cham-

BERLAIN. tex-Chancellor of an University, is an eminent Member,

choic annually, to manage Affairs in the Abience of the Chancellor. See University. Vice-Dege, is a Connfellor of Venice, who represents the Doge when fick, or absent; that the Seignory may never be without a Chief.

without a Chir.
This Pies-Dog never takes the Ducat Chair, nor bears
the Hon, noe is addrefd under the Title of Servailfinor
yet, the loreign Embattident, peaking to the College, ufe
the common Apolitophe of Servailfinor Principle: And beperform all the Offices of Dogs and gives admirers to
Embattidors without moving his Cap. See Doos.
Visc. Dominior, a Visiona, Sterif, or Vidame. See Vi-

VICE-Dominus, a Viceousi, oligini, or reaction county, Vindama, &C.

Vice-Dominus Abbatie, or Exclesse, in the Civil and Canon Law, an Advocate, or Protector of an Abbey, or

Church. See ADVOCATE, and AVOURE.

VICE Dominus Epilopi, in the Canon Law, is the Official, Committary, or Vicar-General of a Bifhop. See Com-MISSARY, Ec.

VICE-GERENT, a Vicar, Deputy, or Lieutenant. See VI-CAR, LIEUTENANT, &C.

VICE-Comes, in Law, &c. See VICONNT. VICE-Legate, an Officer whom the Pope fends to Avig. son, and some other Gities, to perform the Office of a Spi ritual and Temporal Governour, at a time when there is n Legate or Cardinal to command there.

All the Gaule Narbonnaile, as Damphine, Provence, &c.
has recourfe to the Vice-Legate of Avignon, for all Ecclefultical Dispatches, in like manner as the other Provinces addrefs themselves to Rome. See Lugate.

Vice-Rey, a Governour of a Kingdom, who commands therein, in the Name and Stead of a King; with full and

vereign Authority. Naples, Sicily, Catalonia, &c. are govern'd by Vice-Roys:

e Kino VICE Verfa, a Latin Phrase, frequently retain'd in Engliff Writings; fignifying as much as on the contrary.

Thus, As the Sun mounts higher and higher above the Horizon, infensible Perspiration increases; and, vice verse,

Horizon, inscoulble Perspiration as he descends lower, diminishes.

VICEN-

VIC VIE [ 304 ]

VICENNALIS, in Antiquity, fomething of 20 Years that returns after 20 Years. Among the Romans, Vicennalia was particularly used for the Funeral Feasts, held on the 20th Day after a Person's de-

VICENNALIA, or VICENNALES Ludi, were also the Games, Feasts, and Rejoicings, held every 20th Year of the Reign of a Prince.

the Reign of a Pinnes.

On Medius be recognity meet with Finemalis Fata 3 the Youn just not the Case, for the Sixty of the Rungeron, and langement of the Empire.

On Justice William of The Case of T

VICINAGE, and VICINETUM. See VENUE, and VINNE.
VICIS & Venellis Mundandis, a Writ lying against a
Mayor, Bailist, &c. for not taking care that the Streets
he well cleaned.

VICISSITUDE, from the Latin Vicifitude, a Change or Turn; the facecoding of one thing after another. As the Viciffithde of Scafons, Fortunes, &c.
VICONTIEL. Sec {Viconviels.
Viconviels. Sec {Viconviels.

VICOUNTIELS.

VICOUNT, or VICE-comes, in our Law-Books, fignifies the fame with Sheriff; between which two
Words, there feems to be no other difference, but that the one came from our Conquerors, the Normans; the other from our Ancestors, the Sazons. See Sheripp.

Vicount, or Viscount, is also used for a degree of No-

bility next below a Count or Earl, and above a Baron. See

NOBILITY

Comden observes, that this is an antient Name of Office, but a new one of Digniry, never heard of among us till Henry VIth's Days, who, in his 18th Year, created in Par-Bament John Lord Besument, Vifeaunt Besument: But it is much more antient in other Countries.

Du Cange, indeed, will have the Dignity to have had its first Rife in England; but 'tis much more probable, it was

first brought over hither by the Normans net Brought over hitner by the Normansi.

The Privileges of a Vicount, arc, that he may have a Cover of Affay held under his Cap when he drinks, and may have Travers in his own House.——And a Vicountess may have her Gown hore up by a Woman, out of the Preference of her Superiors 3 and in their Preference by a Man. See Co-

of her Superiors 3 and 10 their freteneo by 2 and 3 occurs. GC.
VICOUNTIELS, VICOSTIELS, Viceownitalia, in our Law-Books, denotes Things belonging to the Fice Counce, or Sheriff; particularly certain Farm, for which the Sheriff pays a Rent to the King, and makes what Profit he can of

Writs VICOUNTIEL, are fuch as are triable in the County or Sheriff's-Court.

or Sheniff s-Court.

Vicopsyrietts, or Viconytiess Jurifdiction, is that Juridiction belonging to the Officers of a County; as Sheriffs,
Coroners, Efsheators, Efc.

VICTIM, Vicytuda, a bloody Sacrifice, offer'd to fome
District, of a living Thing, either a Perfon, or a Beaft,
which is stain to appeals his Wrath, or to obtain fome Fa-

vour. See Sacrifice.

The Greeks offer'd Iphigenia at Aulis, for a Victim to obtain a favourable Wind.

obtain a ravourable Wind.

The Gods of the Heathers had each their proper Vitlins:
Thus, the Goat was Bacebur's Vitlins; the Horfe Negtume's. See Gon, and Victina Rives.
VICTIMARIUS, was a Minister, or Servant of the
Pricits; whole Office was to hind the Vitlins, and prepare

Prichts, whole Office was to black he frilling, and prepare the Water, Kalle, Ack, and other things needling to the the Water, Kalle, Ack, and other things needling to the Te the Fillingerii it also belonged to knock down and kills the Villins it onder to which, they load clieb by the Alter, asked to the Walle, his toward with Laurel; and thinks it is the wear of the wear of the wear of the Alter, asked to the Walle Alter, and Carletterii. When the Walle Alter, and Carletterii. When the Walle Alter and Carletterii. 
the latter Fixedwarf ingreet the Fire Wherein Books were condomn'd to be burnt. See Liety, Lib, XV. cap. ap. and A. Gellius, L. P. Period, in Chronology. See Pasito, VICTORY, VICTORY, Contrast, the Overthrow or Defeat of an Enemy, in Wes, Contrast, Duel, or the like. See Was, Barrett's Condom Dist. BATTLE, CONSAT, DUEL, ESC.

Among the Romans, Crowns, Triumphs, &c. were de-reed to their Generals for the Victories they gain'd. See victualling office, an Office kept on Tower-Hill, or the furnishing his Majesty's Navy with Victuals. See

OFFICE.

It is manag'd by feven Commissioners, who have their inferior Officers; as Secretaries, Clerks, &c. beside Adents in divers Parts of Grest Britain, Ireland, &c. See Navx.

VICTUS Ratio, among Physicians, a particular manner of living, for the Prefervation of Health, and Prevention of

of hings, not the Fretzvanous of Health, and Areventus of Diffusies. So Diffusies So De Dier, Recuments, &c. VIDAME, q. d. Vice-Dominus, was antiently the Bi-flop'a Deputy in Temporals; as the Comes was the King's. Vidame is fill a Third of Segioncy, or Lordfillip; attributed to feveral Gentlemen in France; as the Vidame of Chartres, of Amiens, &cc.

Coarter, of Ament, sec.

The Word, according to Nicod, comes from Ficarins 3 and according to Pagemer, from Vice-Dominus 3 dam figuifying Dominus, or Lord.

The original Inditation of Vidames, was for defence of the Temporalties of Bifliogricks, while the Bifliops them-

felves were taken up in Prayer, and other Spiritual Func-tions.—They also led the Bistop's Forces, when they were obliged to go to Wat, either to detend their Temporalties, or

for the Arrier-Ban. to the Artic-Ban.

They also mang'd and pleaded their Causes in Courts of Justice; distributed justice among their Tenants; percent ed any bedy's pillaging or damaging the Houses of deceased Bishops, Ce—In effect, they represented the Bishop, confiderd as a Tumporal Lord. See Brisnop.

derd as a Temporal Lord. See Bisnov.

Paspuier fays, they were the Bishoy's Temporal Judges; and had the fame Privileges as the Vicounts.

By degrees, the Vidames; converted their Office into a Fee; and the Bishops their Vidames; or Judges, into Vaffals, as Kings did their Counts, Dakes, &c. See Count, Vasta, &c.

fals, as Kiogs did their counts, Dunces, Co.

VASSAL, Ge.

Accordingly, the Vidames of Chartres, &c. flill hold
Lands of the Bithops of those Places.

In some anticut Charters, the Vidames are call'd Advocates, or Advocates. See Advocates, the Advocates, or Advocates, the Advocates of Advocates.

VIDIMUS, in Law, the fame with Innetestimers; being Letters Patent of a Charter of Feoffement, or some other Instrument not of Record. See Innovescimus.

Instrument not of Record. See Innovascimus, VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VIDUITY. See Wipowntoop.
VI

DOW, and WIDOWHOOD.

VIEW, in Law, the ARO Veieri, or Viewer: SecViewer.

When a real Action is brought, and the Tenant knows not well what the Landi is the Demandant afts; he may pray the View: which is, that he may for the Land which is claim d.

is claim? The Conte of proceeding we received from the Normana, The Conte of proceeding we received from the Normana, The Conte is at in Affire of Rein Service, Rese Charge, Rene Seek, in a Warf of Notance; in a Warf any Fure; in the Warf of Resemblishes design, the Content of the Warf of Resemblishes design, the Content of the Warf of Proceedings, in the Warf of Proceedings, in the Warf of Proceedings, in the Warf of Proceedings in Indiana, the Warf of Proceedings in Indiana, the Warf of Proceedings of the Kingly Peece, and Seeing that every Man be in from Folger, See Fan Nor-Placed, principal plans This is called by Bratton, Res 1946, fare quite plans than Allerton, and the Warf of Proceedings of the Warf of Pro

VIEW, in Matters of Opticks, Perspective, &c. See Vi-sion, Sight, Perspective, &c.

VIEW, among Huores, the print of the Feet of a fallow Deer on the Ground.

To View a Place, in the Military Art, is to ride about it before the laying of a Siege, in order to observe the Strength or Weakney's of its Situation and Portification. See

OFFIGURE OF WESTERN OF THE STREAM AND A POPULATION, SE-PORTIFICATION, SE-VIEWERS, in Law, are Persons that are fent by a Court to sieve a Place or Person in question; as also the Situation of a Place where a Fact was committed; or a Person in case of Sickness, Se-

of Sickets, Ge.
ViGIL, or Eve, in Church Chrosology, the Day before
any Feaft, Ge. See Frazz, and Eve.
The the Civil Day begin at Midnight, yet the Ecclefialtical, or Scriptural Day, begins at fix a Clock in the Evening, and holds till fix in the Evening the ending Day. See

the Collect for every Sunday and Holy-Day, by

Hence, the Collect for every Sanday and Holy-Day, by Order of the Church, is to be read at the preceding Evening-Service at fix a-Clock the Day hefore; from which time the Religious Day was furpfeld to begin, from fix a-Clock the Day before, was by the primitive Cultilitats, from in Hymna and other Devotions; and being often continual dtill are in the Night, were called Fegit.

VIL[ 305 ] VIN These Vigils came, by degrees, to be so enlarg'd, that at last all the Day preceeding the Holy-day was call'd by this

VIGILIA, that State of an Animal which is opposite to Sleep, and popularly call'd Waking, or Watching. See Stree, and Waking. SLEER, and WAKING.
VIGINTIVIRATE, a Dignity among the antient Romese established by Cofar.

by Cofar.

mage etablified by Lesser.

This Dignity comprehended four others; for of the Vigintiviri, or twenty Men which composed the Company, there
were three who fat and judged of all Crimbash Affairs; three
others had the Inspection of the Colins and Coinage; four
took Care of the Streets of Rome; and the reft were Judges of Civil Affairs.

Sec VILLAGE.

VILLA Regis, a Title antiently given to those Fillages where the Kings of England had a Royal Scat, and held the Manor in their own Demen.

VILLAGE, VILLS, or VILL, an Assemblage of Houses, inhabited chiefly by Fershams and Farmers, baving assauly a Church, but no Market.

The want of a Market diffinguishes it from a Town, as the Church does from a Green, Street, See See Town, Se. The Word is French, form'd of cit, or citis, low, mean,

contemptible.

Among our Saxon Ancestors, Vill or Village was used in the Sense of the Roman Villa; viz. for a Country Farm or Seat, furnish'd with convenient Oue-houses, &c. for repositing the Fruits thereof.

Afterwards it came to be taken for a Manor, then for part of a Parifh, or the Parifh it felf. See Pariss.

Hence, in feveral antient Law-Books, Vill and Parifh are

Hence, in feweri antime Lues Books, Fill and Farefu see the fine thing; A cocodingly, Farefue, & Lundiko L.G., Age, writes, That the Boundaries of Filinger, are not by Houses, Streete, no Walls, but by a large Creative of Ground. For much and the second of the second

VILLAIN, in our antient Customs, the same with Bond-

VILLAIN, in our antent Cottoms, the fame with Bonsmen. See BONDMAN.

In Doomiday Book he is call'd Servus, Servant, Slave.
See SERVANY, SLAVE, &c.
A Villain was one who held Lands in Villengge, or on
condition of reodering base Services to his Lord. See Ser-

There were antiently in England two forts of Villains, viz. Villains in Groft, who were bound immediately to the Perfons of their Lords, and to their Heirs; and Villains re-gardant to a Manor: These the Civilians call Globa Ascripti; and they were bound to their Lord, as Members be-longing to fach a Manor, of which he was owner.

his latter was a pure Villain, of whom the Lord took

This latter was a pure Filian, of whom the Lord took Redempton on any bit Daughter, and on make his free; and he might put him out of his Land, and Tecement et and he might put him out of his Land, and Tecement et There are no report; any fach Filians now, the better the Control of the Control of the Control of the Law concerning them thinds surepearl.

The Lands before held in Filians, as we will him the Law concerning them the Control of the Control clong'd.

VILLAIN Effate, or Condition, is contradiffinguish'd to Free Estato. See Fr. R. Estato.
VILLAINOUS Judgment, is that which casts the Reproach and Stain of Villany and Shame on him against whom

t is given.

is given. See Jungment. Such is that against a Conspirator, &c.

Such is that against a Conspirator, &c., Lambord calls it Fillianson: Fundinment; and fays, it may well be call'd Fillianson; in regard the Judgment, in fish Chiff, fillial be like the authent Judgment in attains, cvie, that the Griminals final not be of any Credit afterwards; nor finall it be lawled for them, in Perfon, to approach the King'a Court: That their Lands and Goods finall be feirld atto the King's Hands, their Trees record up, their Bodies

and the King's Finish, weir Free record up, their Boules imprified, Ec. VILLENAGE, or VILLENAGE, a fervile kind of Temer of Linds or Temerens; whereby the Tonant was bound to do all fach Service as the Leed commanded, or were fit for a Villan to perform. See VILLAIN. This Brafton expretile by, Siri non potents coffere, quale fevritum fight debt mane.

Villenage is divided into that by Blood, and that by Te-

Tenure in Villenage, could make no Freeman a Villain; unless it were continued time out of Mind; nor could free Land make a Villain free. See Thuura.

unich is were contined time ous of Mind 3 per could nee Lund make I Filialis free. See Thrust, Filiange, is also divided by Britles into Parr Illiange, where the Service to be performed were indetermine, and arbitrary, as show capted 4; and decay Filiange, which was to carry the Lord's Dong into the Hicks, to plough it for created on certain Days, for and respect to the Companion of the Greated on certain Days, for and respectively. The Companion of the work of the Companion of

which was afterwards turn of nee a Kent, now caute Zimono Silver; and the Pillitaheaus Serice execute.

VILLI, Casta Hair, in Anxiomy, is used in the farme Seafe as Piters, or Phirlits. See Figure.

In Boxony, Pilli decrose a fort of Yamensum, or Deon, like the Grain or Shap of Pulli, with which, as a kind of Excrefence, form Trees do abound.

Exerciscence, tome Trees do abound.

VILLOUS, VILLOSA, is particularly apply'd to one of the Coats or Membranes of the Stomach, call'd Crufts Vil-

lofa. Sec STOMACH, &c. It takes its Name from innumerable Villi, or fine Fibrille, therewith its inner Surface is cover'd. See Causta Villefa. VINALIA, in Antiquity, a Name common to two Feaths

among the antient Romans; the one in honour of Jupiter; and the other of Venus. See FRAST. The first was held on the 19th of August, and the second

on the 1st of May The Vinalia of the 10th of Avgust were call'd Vinalia

Ruffics, and were inflituted on occasion of the War of the Latins against Mezentius; in the Course of which War, that People vow'd a Libation to Jupiter of all the Wine of the cccoding Vintage.
On the fame Day likewife fell the Dedication of a Ten

On me same Day likewise tell the Dedication of a Temple of Fenny is whence fome Authors have fillen into a Miltake, that these Finals were facted to Fenns. But Ferro, LLL L. v. and Fiflat, in Ferro Ruflica, dillinguish between the two Ceremonies; and expressly affort the Finalsa to be a Earth of Continue.

the two Lectmonies 3 and expectly siliers the Paddata to extend of Line of Line 10 and 10 an

The Word is form'd of the Letin Findensia, vintage. See VINTAGE. WINTAGE.

VINTAGE. ATTACK A FROM CASE of the third Magnitude Control of the Condition of the C

Hands
True Proprietor.

VINE, a Noble Plant or Shrub, of the Reptile Kind a famous for its Fruit, or Graves, and for the Liquor they afrd. See Wine.
The Kinds of Vines are almost infinite; denominated,

either from the Soil and Place where they grow; as the Bearguignen, Bearstelss, Italian, Manuse Vine, &c. or from the Form, Colout, Talte, &c. of their Grapes; as the Acorn, Apricot, Damask, Birds-bill, Muscadine, &c. Sec GRAPE

See U.R.A.Y...

Our Gardeners find, that Vines are capable of being cultitured. In England, to as to produce large Quantities of
received the Section of t

Those fittest for the English Climate, Mr. Mortimer finds to be the small black Grape, the white Muscadine, Parsley Grape, Muscadilla, white and red Frontigniac,—Mr. Brad-Grape, Mutchdills, waite and red Frontigonsc—Mr. Bread-dry recommends the July Grape, the cutly fweet Water Grape lately brought from the Canaries 3 the Arbeit, or Preseds fweet Water Grapes: All which, if well managed, and the Weather favourable, are ripe by the middle of Algoff. He also recommends the Claret and Bargandy

The best Soil for Vines, according to Mortimer, is the hottest Gravel, Sand, or dry rocky Ground; provided it be well water'd and shaded.——At first planting, Mr. Brad-

ley recommends chalky Hills, as proper for Vines.

To mend a Soil that wants those Qualities, 'its good to throw in the rubbish of old Buildings, well mix'd with twice as much Earth and fifted about the Roots of the Vines.

See VINEYARD.

Water: whereas it is the Property of Vinegar to yield an acid Spirit by Diffillation. Vines are propagated either by Layers, or Cuttings; that is, either by laying down the young Branches as foon as the Fruir is gather d, or by making Plantations of Slips, or Method of making VINEGAR in France.

Carting, at that time. So PROPAGATION.

Mr. Mortimer lays, it may be done any time in the Wister before January; the Bradley lays, he has done it with fueced in March and April.

tuccti in March and April.

For the Perming of VINES. See SPRUNING.

For the Planting of VINES. See VINEYARD.

VINEYARD.

VINEYARD.

VINEGAR. Accrum, an agrecable, acid, penetrating

Liquor, prepard from Wine, Cyder, Beer, and other Li
Liquor, of confidentible use, both as a Medicine, and a Sauce.

е Асктом

oce netron. Wine, and other vinous Liquors, are faid to gain a grate-ful flarprofis, i.e. to become Vinegar, by having their Salis exalled by Infoliation, or other means; and their Salishurs weakend and deprechd. Others are the superior of the longitudinal Others afteribe the Conversion of vinous Liquors into Vinegar, to the grinding or flarpening of the longitudinal Farticles thereof; by which means, they become more tast

Particises thereon by and pungent. The Method of making Vinegar has long been kept a Secrer among the People of the Profession; who, 'is faid, oblige themselves to each other by Oath not to reveal it. But no withflanding this, the Philipphysical Transactions, and Victorian familia with approved Accounts. fome other later Writings, furnish us with approved Accounts thereof.

## Method of making VINEGAR of Cyder.

The Cyder, (the meaneft of which will ferre the Purpole) is first to be drawn off fine into another Vessel, and a quantity of the Must, or Pouz of Apples to be added: The whole is fet in the Sun, if there be a Conveniency for the Purpole, and at a Week or nine Days end it may be drawn of the Sun Circumstance. See CYDER.

### Method of making VINEGAR of Beer.

Take a middling for a Beer, indifferently well Hopp 4; mo which, when it has well-d well, in the land in the hope and in the hope hope hope hope hope for the hope per and he has period. And them together in a Yub, thou letting the Hape fortie, draw off the liquid Pert, put it mas a Calt, the hope has been a support of the hope has been a

from turning musty.

Or thus: To every Gallon of Spring Water, add three
Pounds of Malaga Raifins; which put into an earthen Jar,
and place them where they may have the hottest Sun from and place them where they may have the botteff Sun from May till Michesturas: then prefiting all well, but the Liquou up in a very firong iron hoop'd Veffol, to prevent its buffing: It will appear very thick and maddy when nowly prefix'd; but will refine in the Veffol, and he as clear as Wine. Thus let It remain automath dir where Mouths, before it he drawn off, and it will prove excellent Vinagar.

### To make VINEGAR of Wine, or vinous Liquors.

I'm mlee' Viston as of Won, or vision Liquors.
Any fort of visiona Liquor, being mixed with it now are
con, Flowers, or Fernmen, and in Jurus, fifth related in
great properties of Territy and in Jurus, fifth related in
great proporties of Territy and the whole being kept ricor of the state of the state of the state of the state, will
begin to Germen new, conceive heat, gow four by deglets,
The remove blaght of actions fermentation, are the
fune with choic of visuos; last the immediate Subjects of it,
are all lated of visuos; last the immediate Subjects of it,
are all lated of visuos in the late with the properties
for it is delaurely impossible to make Franger of Mall, the
cased Jaice of Green, or other rich Frange, whenche hadThe proper Fernmens of this Operation, whereby Frange
ja in prigraft, are, if, The Frace of all and Wines;
all y that of Rheadth Wine, or the Cream or Ceptilas thereof: apth Franger is fell; it she A wooden Vedit, well

any unit or kinemin Wire, or the Crosin or Gryfflats febre-or; ath, Fingary it fell; yith, A wooden Veffel, well dench'd with Vineger, or one that has long been employed to constain it; ofth, Wine that has often been mixed with its own Faces; yth, The Wigg of Viney, and the Stalks of Grupes, Currants, Cherries, or other Vegenebles of an acid auther Talle; 5th, Bakers Leaves, after 1s turid acid; yth, and lathly, All manner of Ferments, compounded of those already mention'd

thole already mention'd.

Vinegar's no Production of Nature, but a Creature of Art: For Verjuice, the Juices of Citrons, Lemons, and the like native Acide, are improperty faid to be natural Vinegar's because, when diffill'd, they afford nothing bur vapid

Ancest of making VINEAR IN PRINCE.

In France then yiel. A Method of making Franger distinction from that above deferible.— They six two very large each whereof they place a weeden Grave, while a Flow of the bettern upon the Graves, they first by Trung, or Cartings of Vinear, and the Cartes, they first by Trung, or Cartings of Vinear, and the Cartes, they first by Trung, or Cartings of Vinear, and the Cartes, they first by Trung, or Cartings of Vinear, and the Cartings of V

of them is full, and half-full by tarms. When this Proceis has been continued for two or three Days, a degree of bear will safe in the threeffil shabils it then Days, a degree of bear will safe in the veffil which it rites not any appearance of the like in the Veffil which happens to be full daring those Days; the Liquor whereof will fill it remain cost: and as from as the best ceater in the Veffil that is balf full, the Finger is prepared: Which, in the herbinairs, a but in the Winter, the Fermentation pro-

Sammer, happens on the Sourteenth or fifecanth Day from the beginning is but in the Winter, the Fernmentation proceeds much flower; fo that they are obligd to forward it by artificial warmits, or the use of Source, the Liquer ought to be pour! do ff from the full Voffel into the other twice ado; otherwise, the Liquer would be over-betted, and the Fernmentation power too flrong; whence the finitiones Para would fly sways, and leave a vapid wine, induced of Finite-would fly the state of the state gar behind.

gar behind.

The full Wells is always to be left upon at the topy, be The full Wells is always to be left upon at the topy, be Wood a, in order the better to keep down and fix the Splitt in the Body of the Lighest per for bettering, it might celly fly off in side bear of Farmes better than the wheth, be care it contains a much spectre Quantity of the Vine vely and Statis, than that, in proportion to the Liques; above the more, and to convey it to the Wine below.

Virsuo, A. of Antanony, is an and Spairi, down by 106-Turney, it are to the contained to the size of t

CC ACETUM

The Word Vinegar is French; form'd from Vin, Wing, d sigre, four. See WINE. and sigre, four. See WINE.
VINEYARD, a Plantation of Vines. See VINE

The best Situation of a Vineyard, is on the Declivity of an Hill lying to the South. See Exposurs. or an Hull Jying to the South. See Expourn.
The Vine is propagated by Jisp, Layer, or Sackets, planted in a Nuriery, and thence transplanted, about Fe-purary, into the Fineyard.
As to the Soil, it is agreed, nothing can be too dry for them: And as to the fors of Vineti, none but the forward once to be planted in Enginel.—These war found to rivery well in open Bootele Text Will.

They are to be planted in Lines running North and South, five or fix Foor apart; only two Vines in each Hole.—The September following, the Shoots of that Summer to be prun'd ance on an even sparts, only were rises in each Holes—The finderer, according to wheth Strength, as the Sammer fol-lowing, the flrengest will begin to flews little Fait. They read the strength of the left danger they are in of being foulfd with West, but the locar, the flewest frogress strength of the Martiner of Raksball of Lines of the Hollage, with Society or fix Year, will preduce good three of Grapes. The calchest of Hopping at a Bill, containing these strengths of the Strength of the three Highestal.

three Hoghicads.
The fame Author mentions a little Fineyard of a private The fame Author mentions at little Fineyard of a private Cardener at Ratio and the special manage of the Variety of the Cardener at Ratio filters only of the faceout Start's growth, yielded at a Vinneyard private, as being made from that had the tree Europoutly Fiscour, as being made from any Fineyard on this fide? Fort; See Witne.
VINTAGE, the Core of Wine, or what is got from the Unsee cath School.

ing or prefing the Grapes.

In France, a Detree or Ordonnance of the proper Judga and a foleran Publication thereof, are requir'd, ere the Vis

and a lottin cusuament of the region of the region be beginned by the Taffe, and Smell thereof. See Wixer.

All Vegetables, by a due Treatment, afford a Vision Liquor; as Corn, Palfe, Nut, Apples, Grapes, Ur. See

one; as Com, Jule, Naus, Apples, Grupes, &C. See MALT, Barwine, and a forced fermenantion, duly managed, turns any Primot Liques into a accessa one. See Vivianza. In the primot Liques into a accessa one. See Vivianza. In the produce of these a Finness or an over Fermenantion, Department of the primoter of the primoter of the Body fermenantion. See Fastastara rayou. See me of our Construence, bound on a Voyage to the Englishment of the Construence, bound on the Fastastara rayou. See the Construence, bounded to the Construence, bounded to the Construence of the Construence, bounded to the Construence of the Construe

ways found in a State of Putrefaction, ere they put on a Vinous Nature. See Putra spaction.
VINUM, a Liquor, or Drink, popularly call'd Wine. See

WINE.
VINUM, in Medicine, or VINUM Medicatum, is particularly applied to feveral medicated Wines, i.e. Medicinal Preparations, whereof that Liquor is the Baffs 3 fach as the Vinum Marinum, Sea-Wine; made by cassing Sea-Water

Vinue Harmins, oes wine; mac by cating Sea-Water on the Crapes in the Vat. Vinum Cydonites, Quince-Wine; made of Slices of that Fruit, fleepd in Muft, or new Wine. Vinum Rofatum, Rofe-Wine; made by fleeping Rofes for three Months in Wine.

Vinum Strabilites, or Pine-Apple Wine :- Vinum Hyfo-

pites, Hylop-Wine. Vinum Aromaticum, made by infufing Aromaticks, or Spices, in new Wine or Muft.

Vinum Picatum, pitch'd Winc ; made of Pitch infus'd in Vinum, call'd alfo Acetum, Scilliricum. See SCILLITICUM Visium, call'd also Acctum, Schlitticum. See Scillitricum. Visium Abjourbiets, or Wormwood-Wine; is made of the great or little Abjourbiem, by taking the Apices or Tops of the Flowers, putting them in a Saccular, or Bag, and fui-pending it in the middle of a Vetfel of Wires of the Wormmoning, extracts the Talke, Smell, and Virtues of the Wormmoning, extracts the Talke, Smell, and Virtues of the Wormmoning, extracts the Talke, Smell, and Virtues of the Wormmoning, extracts

wood. Visum Emeticum, Emetic Wine; is Wine wherein Glafs, Regulus of Antimony, and Crocus Metallorum have been

Reep'd. See EMETIC. It only takes a certain degree of Efficacy from the Mat-ters; nor is it found any flronger at three Months end, than at the end of eight Days.—It purges both upwards and down-

words. "From Hipporarisms, or Hipporas; 6 called a Manica From Hipporarisms, or Hipporas; 6 called a Manica Called a Manica Called a Series of Series and Spices have been ficeped for fometime. See Canars, 25.

VIOL, a Mulical Information, of the fine From with the Called Artificial wards.

the Legs. Tis the largest of all; and is mounted with fix Strings, having eight Stops, or Frets, divided by Semi-tones.

Its Sound is very deep, foft, and agreeable.—The Tablature, or Musick for the Bass-Viol, is laid down on fix Lines,

or Rules. What the Italians call Alto Viole, is the Counter-Tenor of this; and their Tenore Viole the Tenor. They fome-They f

of this; and their \*I conver Visia the Tenor. They fome-times call it finply the Viol: Some Authors will have it the \*I rea, others the Gibbras, others the Glekis, and others the \*I fillade of the Antiness. So L. Was, 156... 2°, The \*Love Viol, which is a kind of Triple Viol, or Vio-lin; having fix brasts or fleel Strings, like thole of the Harp-fichord.—It yields a kind of filver Sound, which has fome-

thing in it very agreeable.

thing in it very agreesist.

5°, A Large Viel, with 44 Strings, call'd by the Ealians
Viela di Bardone; but little known among us.

2°, The Viela Baffarda, or Baffard Viel, of the Halians;
not ufed among us: Braffard takes it to be a kind of Baffard, mounted with fix or feven Strings, and tuned as the common one.

common one.

3°, What the Italians call Viels di Braccio, Arm-Viol;
or limply Braccio, Arm; is an Instrument answering to our
Counser-Feor, Treble, and Flith Violin.
6°, Their Viols Prima, or First Viol, is really our Counter-Theore Violin; at leath, they commonly die the Cilif of

" C for ut on the first Line, to denote the Piece intended for

7°. Their Field Secunds, is much the fame with our Tonor Violing having the Key of C fol ut on the facend Line.
8°. Their Field Teres, is nearly our Fifth Viciling the Key
C fol ut on the third Line.

Chi us on the third Line.

9, Their Visia Quarta, or Fourth Visit, is not known in England or France: The we trequently find it in the United Compositions; the Key on the fourth Line.

Lafilly, their Visiters, or little Visit; is, in reslity, our triple Fait: The Strangers frequently confound the Term with what we have fail of the Visita Prima, Steamen, what Teres, &c.

Vion is also a Term used among Mariners, when a strand Rope is bound fast with Nippers to the Cable, and brought to the Jeer-Capstan, for the better weighing of the Anchor-

See Ancions.

VIOLATION, the Act of Violating, i.e. forcing a Woman, or committing a Rape upon her. See Rars.

Ammon, Boards Son, recister this Sifter, who was avenigd
by Allplans: 'Ferest violated his Sifter-to-Law Philacodis.

—To violate the Queen, the King's Eddel Juaghter, or
the Princets of Walet, is High Treason. See The anon-

the Frinces of Water, as High Tecalon. See Linanson.

YOLALYON is also fised in a Moral Section for a Breach or Infingement upon a Law, Ordinance, or the like.—Thus, we lay, A Piolation of the Law of Nature, of a Treaty of Peace, of one's Oath, 55c.—The Law of Nations was woldsted in the Inful offert of the, S— the King's Em-

baffador at Madrid.

The Word is also used for a Profanation.—In this Sense,

The Word is also used for a reconstruct.—In this source, we say, to ordate a Church, 85°. See Proparations. VIOLENT, in the Schools. A Thing is said to be view, when effected by some external Principle; the Body that undergoes it contributing nothing therete, but struggling

that undergoes it contriousing nothing thereto, put irrugging, againfil ht.

The Boyl, in fach Cafe, is faid to firingsile, by reason
the Boyl and the state of t

VIOLIN, or Fiddle, a Mufical Inftrament, mounted with our Strings, or Guts; and fitrack, or play'd with a Bow. The Vislin confifts, like most other Instruments, of three

Parts; the Neck, the Table, and the Soundboard.

Parts; the Nors, the Yable, and the Sunabsors.
At the Sides are two Apertures, and fometimes a third
towards the Top, finaped like a Heart.
Its Bridge, which is below the Apertures, bears up the
Strings, which are fatherd to the two Extremes of the Infirument; at one of them, by a Strew, which fireteless, or
lookers for at pleasure.

joining on at picture. The Syle and Sound of the Violin, is the gayeft and most farightly of all other Infiraments; and hence it is of all other the little for dancing. Yet there are ways of couching it, which render it grave, foft, languishing, and fit for Church or Chamber Mańck.

It generally makes the Treble, or higheft Part in Conforts.

—Its Harmony is from Fifth to Fifth. Its play is composed of Bash, Counter-Tenor, Tenor, and Treble, to which may be added, a Fifth Part: Each Part has four Fifths, which rife to a greater Seventeentl In Compositions of Musick, Violin is express'd by V: two V denote two Violins.

VV denote two Vielnis.

The Word Vielnis, alone, flands for Treble Vielnis: When the Istalians prefix Alles, Travere, or Baffe, it then expecifies the Counter-Trency, Tence, or Bals Vielni.

In Compositions where there are two, three, or more different Vielnis, they make use of prime, feeunds, terzes, or of the Characters 10 110 1110, or 10 20 37, US. to denote

the difference.

the difference. The Violin has only four Strings, each of a different thickness, the finalless whereof makes the E/R ni of the highest Colvae of the Organ; the fecond, a Fifth below the first, makes the A ni la; the third, a Fifth below the Goond, in D la rs; a listly, the fourth, a Fifth below the chird, is

Most Nations, ordinarily, use the Key G re sol on the se-cond Line, to denote the Musick for the Violin; only in Prance, they use the same Key as the first Line at bottom: The first Method is best where the Song goes very low, the

The first Method is best where the Song goes very low, the focond where it goes very high. The Palameella of the Italians, is properly one Fish Pie-in; which is a little Bis Piesian with five or fix Strings. And their Piesian is a Double Bis, almost twice as big as the common Bis Piesia, and the Strings begger and longer, in proportion; and confequently, its Sound an Octave lower than that of our Bis Piesia, which has a mobile Effect in

reat Concerto's VIPER, in Natural History, a kind of Serpent, famed of only for the exceeding Venomoutness of its Bite, which

is one of the most dangerous Poisons in the Animal King

Account of the Effects of the Bits of the Viper, from

dom, but also for the great usefulness of its Flesh in Medicine : Whence Vipers come to make a confiderable Article In sures Arts.

This remarkable Reptile has the biggeft and flatteft Head
of all the Septent-kind. Its usual length is about half an
Ell 3 and its thickness an Inch: les Soout is nor unlike that
of an Hog.

of an Heg.

It has factore finall immoveable Tech in each Jaw; and, the factore finall immoveable Tech in each Jaw; and, belifiely, two other large, flarge, booked, bollow, transparent, excellent Tech, france or each field of the super-lake in their excellent to the super-lake in their Asticulation; and are endinestly slid flat along the Jaw, the Antianal nover a finite; on that the reason to Bales of their Tech are locemparity of a large drop of a spellow intigal diritional patic.

It has only one Row of Techs a whereas all other Serpens have two: In Body inset as all field; whereas the inner Jawn of the Body inset as all field; whereas the companies were to in Body inset as all field; whereas the contract of the Body inset as all field; whereas the first in the Body inset as all field; whereas the first in the Body inset as all provided.

—It creap very flowly, and never leaps like other Serpents; he via nimble cought to his when proved do relieve, and the ground freeked with length brown Spite.—The Skiles under its Belly are of the Chour of well-publish described. The Male has two Sets of Geniral Intimuments, and the Third Country of the Chour of th

Her young ones come forth wrap'd up in thin Skins, which heak on the third day, and fet the Ammal at liberty.—She brings forth to the Number of 20 young; but only one each Day.

The Antients, particularly Pliny, Galen, &c. believ'd that the young kill'd their Mother in the Delivery; but this is not the only Mitake they were guilty of on the Subject of the Piper. They hold that it cat Cantharides, Scorpions, &c. which render'd its Polion for very dangerous.

c. which rendered its Poilon to very dangerous.
Dr. Mose observes, that the Antients effected the Visco Dr. Mead obleves, that the Amients effects of the Vigit facred; and that one of the Kings of the Eaft Bedies caused Cottages to be built for their Entertainment, and their Killers to be pussified with Death.—On Medals, the Viger is frequently repreferred as a Symbol of divine Power; and as fach, slice by way of attribute to the antient Physicians.

fach, nied by way of attribute to the antient Phyticians. As to the manner wherein the Fiper conveys its Policia, Authors are a little dilagreed.—Francijos Redi, and Molfe Chestrast, have each of 'em wrote very curious Fiscas on the Subject, but their Rediit is very different.

Redi maintains, that all the Venom of the Viper is constained in the two Vessean or Bags which cover the Base of the Chestrast tain at in the work that, whence, upon biting, the yellowish Liquor is fqueez'd out into the Wound: where, mixing with the Blood and other Juices, it produces those dreadful Symp-

This Hypothefis he maintains by a good number of Experiments, as of Animals, viv. Cocks, 1/2, being bit with Vipers after these Vesseule and their Juice had been taken out a without any Signs of Posseu, or say ill Consequence at all.

at all experiences, on the other hand, maintain, that this yellow Lagone is no prilomous; that he has picture it to Videgons as Bood, without their being at all difficienced thereby, that the Piger's hite he has always found moral to Antimals, the Piger's hite he has always found moral to Antimals, and and hitly, that the Polico mutil is in the initized Soptis of the Piger, which it exhalics in the Ander of its billing; and and which are food, that they curell the Blood, and frop and which are food, that they curell the Blood, and frop the Circulation,

the Circulation.

The Controverfy between these two ingenious Authors is very extraordinary: Their Systems are opposite; yet both mainstaind by a great number of well atteided Experiments.

—The Publick, however, generally give into the Sentiment of Sig. Redi ; as answering best to the Mechanism of the

Parts.

Dr. About Spropoles it the true cose, in his Effey on the Parts of the Off Sundphil, behind the Order of the Parts is seen of the Off Sundphil, behind the Order of the Parts is seen of the Off Sundphil, behind the Order of the Parts is seen of the Off Sundphil, behind the Order of the Parts is seen of the Off Sundphil, behind the Order of the Parts is seen to the Carety-sees and Emiltion of the Parts is too the Carety-sees and Emiltion of the Parts is too the Order of the Tarts of the Parts of the P

VIP

The Symptoms following the Bite of a Fifter, are an acture Italia in the Flace wounded; Swelling, fitti red, afterwards livid, fyreycading by degrees; great Faintnefes, a quick, low, and fometimes interrapted Pulle, Sickness at the Stomach; billow consultive Yomining; cold Swestay, fomeristics Pains about the Navel; and Death it left, if the Strength of the Patient, or dightness of the Bite do not occurous it.

If he do overcome it, the Swelling continues inflam'd for some time; and the Symptoms abaring, from the Wound runs a fanious Liquor, little Putiles are rais'd about it, and the Colour of the Skin is as if the Patient were Icterical.

the Colour of the Skin is set the Patient were terrifical.

By the Microfrope, the First was found to confill of minute Skin in continual Motion; after which, a Number of Spiciols or Darts appear'd, refembling, but much finer, s Spider's Web.— This, when mixed with 30° Fisher, in clined to red, no ways to green, to that the faitest near the kalions: But Mr. Bigle and Dr. Pitterin prove the Blood to be only at Alka's.

to be only an Alkaly.

Such a famil Quanticher.

The Quarticher will be carried to the Patts.

The Care feems very suderted to the Patts.

with Monfient Charras.—Again, the Snake-flone from the Eaft Indies, immediately applied to the Place, is much com-mended: But Signior Redi and Monfieur Charras found it of no ufe ; yet Boglivi and Dr. Havers give Inflances of its good Success.

good Sacceti.

Dr. Made adods, that the fame Souce directly applied to a fig. Dr. Made adods, that the fame Souce directly applied to a fine the first of the fir Dr. Mesd relates, that it recover'd one, after the Virus had indue'd an universal Isterus.

Do. Mode clause, that is recovered one, after the Print bull instead on native file 10 me.

Antiber of an native file 10 me.

Antiber agree, that there is no Part, Hannear, or Exerment, not even the Gall it Edit of a Pyler, but may be featlored without much hume-decordingly, that hatter, before the work of the state 
The Salts of Vipers, whether volatile or fix'd, also their Fat or Astungia, and their Oil, chymically drawn, are Drugs

in good repute.
VIRAGO, a Maid, or Woman of extraordinary Stature; and who, with the Mien and Air of a Man, performs the

Actions and Exercifes thereof. See Amazon.

Such were Semiramis and Penthefiles, among the Anrients, &c. Jeanne à Pucelle, commonly call'd the Maid of

Orleans among the Moderns.

Orleas; among the Modern.
In the Valgare Version of the Bible, Eve is called Firego,
because made of the Rib of the Man—The Latin Tradia
to, by this, aim'd to preserve the Erymology which is in
the Hebrers, and of Fir, form'd Virego; as Adam, in the
Hebrers Text, call'd Ere Abad, of Jich, Man
The Word is pure Latin, and seldom used but in the way

VIRGA. Sec YARD.

VIR [ 309 ] VIR

Vinca, is particularly used in Law, for a Verge, or Rod, such as Sheriffs and Bailiss carry as a Badge of their Of-fice. See Vance.

fice. See Veron.

—Rauf, ap flowel, prepofitus de Lausifius, americans
pre es quale balunt in manu fra coram frathemeris his virbound balunt in manu fra coram frathemeris his virbound from the coram frathemeris from decen. In Incil.
Itin. de Cardiff, 1 Hen. VI.
Veron. in Phytology, a Meteor, call'd also Commelle,
and Finest Francer; being an Affenhige of flowers
and Finest Francer; being an Affenhige of flowers

on Mary Life, preplecting a Bundle of Rodys. One
Mary Life, preplecting a Bundle of Rodys.

It is supposed owing to the Streaming of the San-beams thro' certain Rimuse or Chinks, at least thro' the more lax and open Parts of a watty Cloud; happening chiefly in the Morning and Evening.
There is also another Kind, confishing, not of Streams of

There is also anomer King, countring, not or orresults or mere white Light; but, as it were, painted, of various Colours; like those of the Rainbow. See Rain-now. VIRGATA Terre, or Virga Terre, a Yard Land. See YARD Land.

Virgata Terre es 24 conflat acris; quatuor Virgata Hi-dam jacium, quinque Hide feedum Militis. See Hide, and Knight's Fee.

VIRGATORES Servientes, in Fleta, are Virgers or Tip-flaves that attend the Judges. See Virgers, and Ser Jean't

VIRGIN, a Female who has had no commerce with Man; or, more properly, who has ftill the Flos Virginis, or Maiden-heed. See Virginity.

In the Roman Breviary, there is a particular Office for Virgins departed, aniwering to those for Saints, Martyrs, and Confessor. See Office. Criticks and Antiquaries are much divided about a Feast

held in that Church, in honour of S. Urfitle and her Com-panions, who are faid in the Ritual, Legend, &c. to have been cleven thousand Virgins.

Some imagine there has been a Miftake in reading the antient Rituals, wherein XI. M. V. which was only an Abbreviation of Eleven Virgin Martyri, was read according to bereisten of Erwes Virgis Altryry, was real seconding to the Nameral Letters, Erwes though ergiss. E. Stread conjectures, that in the assisten Little of Mirrys, there were conjectures, that in the assisten Little of Mirrys, there were conjectures, that in the assisten Little of Mirrys, there were the Capital hand the Capital hand the Capital that the Capital hand made Understanding, which is Eleven Toodinad. By the Affelic Little, which is Eleven Toodinad. By the Affelic Little, which is Eleven Toodinad. By the Affelic Little, which is Eleven Toodinad to Virginia and the Hubst are to be refinirely flow. The Divorced, and the Hubst are to be refinirely flow. The Divorced and the Hubst are to be refinirely and bringing him Nightenia and his Addressent, mariated, That the Errigin could not with any Propriety the called the Affeliche of God's as being really un more than the Hubby of God's Fee that we have the Capital Capita

This Herefy was condemn'd at the Council of Esterius; yet has it been lately reviv'd in Holland, chiefly by a Re-

vigen Monk, one Remait.

Vizorw is also nied, figuratively, for several Things that retain their absolute Parity, and have never been made use of. Thus, Virgin Wax, is that which has never been wrought,

A use, Program Pack, it that water nas never been wrought, but remains as it came out of the Hire. See Wax. Pirgin Oil, is what oozes (pontaneoutly from the Oilve, Se, without prefing. See Oth... Pirgin Gold, is that Metal (sch as it is got out of the Ore, without any Mixture or Alloy; in which State it is 60 foft, that it will take the imprefine of a Seal. See Gold. Virgin Copper, is that which has never been melted down. Sec Corre

Sec Converse.

Progin Mercory, is that found perfectly form'd, and floid, in the Velins of Mines; or at leaft, is got from the Mineral Earth, by more Lotion, without Fire. See Maceura.

Progin Parchaema, is, properly, that made of a kind of Cap, or Caul, which Children being into the World on their Heids.—But the Word is also also for that made of the Mineral Cap. Cap. Cal. See Page. Markary, and VELOM.

Vitigin's Milk. See Lac Virginale.
Virgin's Milk. See Lac Virginale.
Virgin's Vibrad, is a fort of Dew, ther flies in the Air,
like final unwished Silk; and which falling upon the
Ground, or upon Platur, changes it felf into a Form like a
Spider's Web. See Mayrona.

Spider's Web. See METERS.

The Matter of it is supposed to be of an earthy slimy Na-The Matter of it is supposed to be of an earthy ffling Na-ture. In the Northern Climates, it is most frequent in Summer; the Days being then temperately warm, the Earth not execeding dry, now yet over-charg'd with Moilture, VIRGINALE Clauftrum, in Austomy, the Same as Hy-

See HYMEN. VIRGINEUS Morbus, the Virgin's Discase; the Green-Sickness, or Chicogosts.

VIRGINITY, the Character or Criterion of a Firging or that which entitles her to the Denomination. See Visions, In the first Age of the Christian Church, Virginity grow into great Honorar and Essens, informach, that the Women were admirted to make Golemo Vows thereof in publick—Yet was it held infamous among the Fews, for a Woman with the Minimous among the Fews, for a Woman with the Minimous among the See of the Woman with the Minimous among the See of the Woman with the Minimous among the See of the Minimous among the

to dic a Maid.

to die a Mand.

The Veltäs, among the Antiens, and the Nunt or Religious among the Moderns, Gound guilty of a Beach of the Vow of Firgority, are allorted a Geree Parifirmers; the first to be builted alive, the latter to be immurd. See Vrsaval. 56.

The Effysicians, both antien and moders, are exceedingly divided upon the Subject of Firginity: Some holding that there are no extern Marks, or Tellimonies cherced, and

others that there are.

orhers that there are.
Solomout laye expedly, there are four Things too wonderful for him to know 1. The way of an Eagle in the Air 1.
of a Serpent on the Rock 10 a Ship in the middle of the Sea 3 and the way of a Main in a Maria', which our Translators have rendered, left juilly, the energ of a Main much a Maid

Yet Mofes offablish'd a Test, which was to be conclusive among the Jours.—The Nuprial Sheets, it feems, were to be view'd by the Relations on both Sides; and the Maid's Parents were to preferre them as a Token of her Virginity; to be produced, in case her Husband should ever reproach her on that from

her on that tore. In case the Tokens of Virginity were not found thereon, fine was to be should to Death at her Father's Door. This Test of Virginity has occasion'd abundance of Speculation about the Faric concern'd; but the nicest Inquiries cannot fettle any thing certain about 'em.—Dr. Drake fays exprefly, that whatever might be expected among the Jews, shore is not the fame Reason to expect those Tokens of canno fincti. any tining certain about "cm.—Dh. "Double first carefully, that witherer might be expected among the Ferral expective, that witherer might be expected among the Ferral war expected among the Ferral expected among the theorem and the Expectations, even in Vitagin any visited distinct of the Ferral expected among the first expectation of their own the first part of the Ferral expected among the first expectation of their own the first expectation of t

In the Statutes of the Iwen Matrons of Paris, containing likewise divers Formula's of Reports and Depónitions made in Court upon their being call'd to vitit Grist that made their Complaint of being deflower'd, they lay down fourteen Marks, whereon to form a Judgment.

Lawr. Jebers, a famous Physician of Montpellier, has transferile d three of their Reports: one made to the Provott

reading of three of their Reports; one made to the frowns of Parit; souther in Languisades; and a third in Bearn.—
Their Reports are very conditions with each other; and contain featurem Marks of Virginity, expected in their proper Terms; lich as were received among the Women of that Profettion, and authorized in Court.

Monfieur Johers does not explain those Terms; nor do we find any Explanation of them any where, but in another Report of the 23d of Offober; 1672, inferred in the PtHure

Report of the 14 of Offether, 24 h., Inferned in the Pathers

of Less of Founts + Proficiation Readly 1, Corpy of which,
we faull here give no Logoff, Inferned to the Pathers

of Logoff, Inferned to Logoff, Inferned to Logoff,
we fail here give no Logoff, Inferned to Logoff,
we fail the State of Logoff, Inferned to Logoff,
we fail the Logoff Logoff,
which is the Logoff Logoff Logoff Logoff

of Logoff Logoff Logoff Logoff

of Very Logoff,
which is the Logoff Logoff

of Logoff Logoff

of Logo

1.e. the Os Pubrs brust O. Pubrs collisms. Le Loppino recognile, i.e. the Hair curd buy. Pubrs in Orbest finus as a L. Entrepet ride, i.e. the Peruseum os Soam windle, Periseum owrogamus. L. Perosona delifige, i.e. the Fubrs or Protection tumbled and dioeder d. Fubrs of Afficiate S marcelers: Les Sulmanes rendants, i.e. the Labra hanging down, Labio pendentia. Le lippendis pile. K. K. k. t. e. "i. e. K. K. k. t. e. "i. 
| ** | + | ъ |       | *7 * 1 |
|----|---|---|-------|--------|
| V  | 1 | R | (310) | VI     |

"i. e. the Edge of the Labia bared of Hair, Labiarum
"Ors Pilli defette: les Baboles abbatues, i.e. the Nymphe
beat down, Nymphe deprefe: Les Halenons dems; i.e.
the Caruncule undone, or opend, Caruncule alfoliuse:
"I Eutrecheuss resoures, i.e. the Membrana connectent innect the Caruncies inverted! Membrana connectent in-"terfa: le Barbidau ecorebi, that is, the Cliteris excoti-ated, Cliteris exceriats: le Guilbequet fendu, i. e. the "Neck of the Womb torn. Collum uteri dilaceratum: le "cerpis je Barkiska eurobi, that la, the Clutter; exceinace, Cliviti recorniza: 6 Galliberg fasts, i. e. the
act, Clivit recorniza: 6 Galliberg fasts, i. e. the
Galliberg design, i. e. the Feginal Booth'd, or wider'd:
"Figuna blattars: 1 Danse M. Miller veries," i. e. the
Figuna blattars: 1 Danse M. Miller veries, i. e. the
Internation of the Company of the Company of the
Bartars Martin sperimer.—Le sand van ev wijer
Bartars Martin sperimer.—Le sand van ev wijer
Aller de Lander of the Company of the
Addition of the Company of the Company
we, the failed Miller of the Oster of the Company
we will be the Company of the Company
we will be the Company of the Company
we will be the Co

fo much among us, valued by them.

prised to much among us, valued by them.

VIRGO, in Aftenomy, one of the Southern Signs, or Conficulations of the Zodisc, into which the San enters in the beginning of Angul. See Stows, and Construct.arton.

The Stars in the Conficulation Virgo, in Pudency Catalogue, are 32; in Tycke's, 39; in Famfled's, 89. The Longitudes, Latitudes, Magnitudes, &c. whetcof, are as

#### Stars in the Confiellation Vingo.

|   | Bis | Longitude. |          |          | L   | atitu | Magn. |         |
|---|-----|------------|----------|----------|-----|-------|-------|---------|
| Names and Situations of the Stars.      | F   |            |          | "        |     |       | **    | 123     |
| That preced. Virgo's Head               | 概   |            |          | oş       |     | 19    |       | 5       |
| North, in the Top of the Head<br>South  |     |            |          | 35       |     |       | 39    |         |
| Subfeq, and less in the top of the Head |     | 19         | 37       | 15       | 6   | 21    | 33    | 6       |
| In the bend of the South Wing           |     | 11         | 45       | 14       | l ° | 40    | 47    |         |
|   |     | 3.1        | 09<br>13 | 47       | 7   | 14    | 53    | 5 6     |
| South, in the Face                      |     | 23         | 13       | 29       | 6   | 8     | 52    | 5       |
| North                                   |     |            |          | 90       | 8   | 31    | 25    | 5       |
| 10                                      |     |            |          | 12       | 2   | 42    | 52    |         |
|   |     | 25         | 35       | 56       | 6   |       | 31    | 6       |
|   | -   | 24         | 18       | 13       | 10  | 44    | 24    | 6 7     |
| Preced. in the South Wing               |     | 3          | 39       | 31       | 6   | 16    |       | 7       |
|   |     | ō          | 30       | 52       | 1   | 22    | 1     | 4 3     |
| That in the Neck                        | 坝   | 29         | 1        | 17       | ,   | 4     | 12    | 5       |
|   |     | 18         | 44       | 8        | 7   | 7     | 4     | 6       |
|   | 101 | 7          | 9        | 52       | 12  | 13    | 12    | 6       |
| In the South Arm                        |     | 6          | 29       | 6        |     | 42    |       | 6       |
| First of 3 under South Arm              | =   | 7          | 50       | 28       | ,   | 27    | 2.1   | 5       |
| ,                                       |     | 1          | 3        | 5        | 13  | 41    | 37    | 6       |
| Second of the South Wing                |     |            | 15       |          | 2   | 44    | 25    | 6       |
| Preced. of 2 in the North Wing          |     | ì          | 10       | 33       | 12  | 48    | 49    | 3       |
| 15                                      |     |            |          |          |     |       |       |         |
| South of the North Wing                 |     | 2          | 30       | 19<br>26 | 10  | 34    | 41    | 5 6     |
|   |     | 1          | 28       | 51       | 13  | 11    | 45    | 6 7     |
|   |     | 1          | 41       | 23       | 15  | 38    | 52    | 6       |
| 30                                      |     |            |          | 31       | 17  | 47    | 57    | 6       |
|   |     | 6          | 20       | 45       |     | 55    | 15    | 7       |
| Middle under the South Arm              |     | 11         | 31       | 30       |     | 3     | 16    | 6       |
| In the North Side, against the Girdle   |     | 3          | 3        | 20       | 16  | 43    | 39    | 6       |
|   |     | 7          | 9        | 54       | 8   | 38    | 27    | 3       |
| Third of the South Wing                 |     | 10         | 52       | 55       |     |       | 50    | 6       |
| Upper of North Wing, Vindemiatrix       |     | 5          | 37       | 40       | 16  | 12    | 34    | 7 3 7 5 |
| Third under the South Arm               |     | 11         | 47       | 47       | 1   | 55    | 7     | Ź       |
| . 40                                    |     |            |          |          | 1.  | 15    |       |         |
|   |     |            |          | 18       | 1   | 26    | 51    | 6       |
| Fourth and laft of the South Wing       |     | 13         | 54       | 23       |     | 44    | 31    | 1 4     |
| First of three under Spira              |     | 18         | 25       | 56       | 7   | 53    | 10    | 4 5     |
| 45                                      |     | 19         | 46       | 20       | 110 | 12    | 6     | 6       |
|   |     |            |          |          |     |       |       |         |

| ) VIR   |     |     |       |      |     |      |                |       |  |  |
|---|-----|-----|-------|------|-----|------|----------------|-------|--|--|
| Names and Situations of                       | Sis | Lo  | ngitu | sie. | L   | eicu | 1 3            |       |  |  |
| the Stars.                                    | ř   |     | ,     | "    | ١.  | ,    | "              | Magn. |  |  |
|   |     | 10  | 30    | 30   | 11  | 6    | 24             | 6     |  |  |
| That follow. Vindewistrix                     | ĸ   | 9   | 41    | 24   | 16  | 14   | 6              | 7     |  |  |
| That follow, North Wing<br>Middle under Spica |     |     |       | 17   | 13  |      |                |       |  |  |
| onoun unoci opini                             |     | 21  | 29    | 8    | 9   | 10   | 33             | 5 6   |  |  |
| , 50  |     |     |       |      | 1   |      |                |       |  |  |
|   |     |     |       | 05   |     | 58   | 50             | 7     |  |  |
| In South Hand                                 |     | 12  | 37    | 24   |     |      | 59             |       |  |  |
| Underneath Spica                              |     |     |       | 48   |     |      | 34             |       |  |  |
| Laft, and North of 3 under Spice              |     |     |       | 15   |     | 17   | 54             | 5 6   |  |  |
| 55  |     |     |       |      | 1   |      |                | 1     |  |  |
|   |     | 10  | 38    | 12   | 21  | 24   | 25             | 6     |  |  |
| North of preced, in fquare of Thigh           |     | 18  | 20    | 18   | 100 | 42   | 49             | 1 %   |  |  |
|   |     | 24  | 12    | 19   | 8   | 96   | 49<br>25<br>42 | 5     |  |  |
| Second<br>60                                  |     | 19  | 16    | 47   | 3   | 8    | 55             | 6     |  |  |
| 00  |     |     |       |      | Г.  |      |                | ١.    |  |  |
| louth of preced, in fquare of Thigh           |     | 10  | 40    | 30   | 1 5 | 14   | 34             | 6     |  |  |
|   |     | 19  | 44    | 11   | 1 0 | 56   | 30             | 7     |  |  |
| Inother follow. North Wing                    |     | 16  | 3     | 48   | 12  | 13   | ,,,            |       |  |  |
| Inder the Girdle, 2s in the Hip               |     | 17  | 49    | 50   | 8   | 39   | 9              | 3     |  |  |
| Third in fquare of Thigh                      |     |     |       | 12   | ١.  |      |                | 6     |  |  |
| (Thigh  |     |     |       | 4    |     | 15   | 18             |       |  |  |
| North of those follows in square of           |     | 12  | 23    | 31   | li  | 43   | 45             |       |  |  |
| That over the Girdle                          |     | 18  | 15    | 4    | 13  | 16   | 45             | 6     |  |  |
| 70  |     | 25  | 44    | 18   | 4   | 59   | 33             | 7     |  |  |
| 70  |     |     | **    | 7.0  | ١.  |      | 31             | 6     |  |  |
| n South Knee                                  |     | 24  | 42    | 6    | 1.7 | 30   | 46             |       |  |  |
|   |     | 26  | 39    | 34   | 6   |      | 29             | 6     |  |  |
|   |     | 23  |       | 6 7  |     | 4    | 4              | 6     |  |  |
| 75  |     | 27  | 39    | 20   | 6   | 21   | 27             | 5 6   |  |  |
| n North Thigh                                 |     | 1.1 | 62    | 01   | ١.  |      | 12             | 6     |  |  |
|   |     | 22  | 21    | 36   | 12  | 9    | 45             | 6     |  |  |
| That over the North Thigh                     |     | 23  | 14    | 56   | 13  | 4    | 50             | 5     |  |  |
|   |     | 28  | 10    | 30   |     | 41   |                | 6     |  |  |
| 80  |     |     |       |      |     | 19   |                |       |  |  |
| outh of 3 in the Border of Garment            | 197 | 0   | 10    | 40   | 2   | 55   | 40             | 4     |  |  |
| none in the norder                            | 101 | 29  | 27    | 27   | 7   | 15   | 37             | 4     |  |  |
| n Extrem. of South Foot                       | 坝   | 2   | 38    | 13   | 0   |      | 4              | 4     |  |  |
| North of three in the Garment                 | ~   | 29  | 22    | 41   | 11  | 30   | 3              | 5     |  |  |
| 84  |     |     |       |      |     |      | - 1            |       |  |  |
| bright one follow, thefe                      | 樮   | 1   | 8     | 14   | 11  | 47   | 25             | 4     |  |  |
| Extrem. of the North Foot                     |     | 5   | 47    | 23   | 9   | 43   | 8              | 4     |  |  |

4 22 44 15 56 52 4 10 50 17 7 21

VIRGULA Divina, or Baccolar Divinatories, a facked Branch in Form of a 1, our of a Haul-teroe, by means Expensive Information of the Information of Informa

In Effect, the mineral, or water Particles are supposed to be emitted by means of the subterrançous Heat, or of the Fermentations in the Entrails thereof: Now the Virguis being of a light, prons Wood, gives an easy Passage to those Particles, which, withal, are very fine and subtile; the Effluvia then driven forwards by those that follow them, the Estavas then driven towards by thoic that tollow them, and opperfed at the fame time by the Atmosphere incumbent on them, are forced to enter the little Interflices between the Fibres of the Wood, and by that Effort oblige it to incline, or dip down perpendicularly, to become parallel with the little Columns which those Vaporas form in their

with the nutre consumer wave, a Term which the Latin, Vancuta, in Genmur, a Term which the Latin, French, and many other Authors, she for a Point in Wit-ing, usually call by a Chomas. See Copyria. In Fragulti, Fa. Siness observes, are an invention of the Consumer of the Consumer of the Consumer of the Consumer of the Consumer.—The Uthersteep's authors not the similent Greeky and Remeau, who wrote all without taking off the Pen, fo

that their Books lie all together without any Diffinction of Points and Figures, See POINTES.
VIRGULTUM, in our antient Law-books, is afed for an Holt, or Plantation of Twigs, or Oxiette Sometimes alls for a Coppice of young Wood: Et pre-teres contede Virgulum means E icom communicum Dunit

nii mei. Mop. Angl.

In another place of the same Work, it may be taken for Virgata, viz.—Dedit predictive Ecclesive unam Virgattam Terra in Manerio de Cumptone.

VIRIDARIO eligendo, a Writ that lies for the Choice of a Verderor in the Forest. See Vendenon.
VIRIDE Æris, the same as Ærigo, æVerdegreass. See VERDROREASE.

VIRILE, fomething that belongs or is peculiar to Man.
Thus Virile Member, Membrum Virile, is frequently
used for the Penis. See Penis.

M. Dacier will have it, the Children did not take the Protesta till thirteen Years of Age, nor quit it for the

Togs Virilis, till foresteen.
VIRILIA, a Man's privy Members, including the Penis
and Testes. See Penis, Se.

The cutting off the Virilia, according to Bracton, was Fe-lony by Common Law, and that whether the Party were confenting or not. See Eunuch. confening or not. See EUNCH.

—Henricus Hall & A. Uwor ejus capti & detenti in prifona
de Evilehelter, eo quod reliati fueruni quod infi abfenderuni
Virilla Johannis Monachi, quem idem Henricus deprehendit

cum predicta A. Uxore ejus. Rot. Clause 13 Hen. III. See CASTRATION

VIRSUNGIANUS Ductus, or Ductus Virtfungii, in Anatomy, a Canal, more usually call'd, Ductus Pencreaticus. See Pancreaticus. It mok its Name, Verifungianus, om the Inventor, Vertiling.
VIRTUAL, Potential, fomething that has a Power or

Vertue of acting or doing. See VIRTUALLY.

The Term is chiefly underflood of fomething that acts by a fecret invisible Caufe; in Opposition to actual, and sensible.

See POTENTIAL.
VIRTUAL F. cms, in Opticks, is a Point from which Rays, before converging, begin to diverge, or divariente. See

before converging, begin to diverge, or divariant. See before converging, begin to diverge, or divariant. See these it is all off the divariant of the services. See foresty, Dirtzanian, With the said the Orant of Observation. See foresty, Dirtzanian, With Dirtzaniant, With Dirtzani

by one Virtuality is diffinguish'd from another, not one

Thus it is the divine Nature is diffinguish'd from the di-vine Person, and the divine Understanding from the divine Will. See TRINITY. VIRTUALLY, VIRTUALITER, in the Schools, is applied

VIRTUALLY, VIRTUALITER, in the Schnols, is applied to a Mode of Exiftence—Thus a thing is fail to be Privatly any where, when it is deem'd to be there by fome Virtue, Influence, or other Effect produced by it.

As the Sun is Virtually on Earth, i. e. by his Light, Heat 5th.

n.--In which Senfe the Forms of the Elements are

main.—In which Seefs the Forms of the meaning—he held to be Virtually in mix d Bodies.

A thing is also faid to be a Caule Virtually, or a Virtual Casip, and that two Ways: the first, when there is no real Difficulties between it, and the Effect attributed to it; and yet it is conceived by us as if it were really the Caule there.

yet it is conceived by us as if it were really the Caufe there-of:—Thus, Immustility in God, is the Caufe of Eternity. Secondly, when an Effect is not of the fame kind with the Caufe, and yet the Caufe has the Power, or Virtue of pro-ducing the Effect: thus the Sun is not formally, but Virtually in these.

in Heat. VIRTUE, VIRTUE, a Term ofed in various fignifications. In the General, it denotes Power, or Perfection of any Thing, whether Natural or Super-natural, Animate of In-animate, Effential or Accessiry : hence the Vertues of God, Angela, Men, Plants, Elements, &c. See Power, and

In its more proper and reftrain'd Senfe, Firtue fignifies a Habit, which improves and perfects the Haver or Poffeffor, and his Actions. See Habit, Particular, &c. In this Senfe, Firtue is a Frinciple of sching, or doing well and readilys and that, either included from above, fach

well and readily; and that, either infitted from anore, tase, as are the Theological Firsts; or enquired by our own Application, as the Intellettual and Moral Firsts.

For, as there are two Tinigs in Man from which all his Actions proceed, viv. the Underlindings, and the Will, and the will be the proceed to the two the process of the two the process of the process of the process of the two the process of the two the two the one; or the Understanding; the onthe, of the Will. the Will.

the Will.

That which improves the Understanding is call'd Intellection of Discounties; and that, the Will, Added to Elize.

The Discounties of the Will, Added to Elize.

The State of the State of the State of the State

Another, readily to perform it: And fince Man is age to care

The State of the State of the State of the State of the State

The State of the State of the State of the State of State

The State of Life, whole Understanding and Will have attain'd their

smod Prefetcher.

of and the week.

An Intelligent Virwen, then, according to driftelle, in a Hait of the radioable Soul, whereby it conceive, or fpeak the Truth y either to altiming, or dripme, See Tarvar and the control of the radioable Soul, whereby it conceive, or fpeak the truth y either to altiming, the dripme, See Tarvar and the control of the seed of

those convertant about contingent among, we are the selective field. See Any, 18st.

Moral Virtue is defined by Arifforis to be an elective Habit, placed in a Mediocrity, determined by Reason, and as a product Man would determine.

The Soutiffs maintain every moral Habit to be indifferent than the second of t as to good or evil, and capable of becoming, faceffively, either Virtue or Vice: Virtue, if it have a relation of conformity with right Resson; and Vice, if it have not. See

According to them, therefore, Virtue is a Habit Subjectively, but not entitatively, good: as it is only a re-lation of Conformity, &c. which is feparable from the En-

hatiosé Confemiry, 95. which is feparable from the En-tiry of the Habit.

The Thought, see the course; after Titure to be a Ha-iste effectivity good; por capable of ministing any thing to the A. Linguiste of the course of the third politicity of the second of the course of the course of the course of the second of the course of the course of the course of the pt abituiting from hebblede. Telefores, we become tem-perate. Bat Alwel Pittus in produced, or expected by Advi-cation of the course of the course of the course of the effectivity good; good, we menn, both in triple of or perfect of the course of the perfect of the course of the perfect of the course of the course of the course of the course of the perfect of the course of the course of the course of the course of the perfect of the course of the course of the course of the course of the perfect of the course of the course of the course of the course of the perfect of the course of the perfect of the course of the perfect of the course of the perfect of the course 
Davy, and for the Moriev and End a therefore Robert First neither control to good Anthra. Notice of First neither control to good Anthra. Notice of First neither control to the Robert First neither for the First neither for the First neither control to a Holder to the First neither for the second are an Health on that a Code, and the Robert neither for the first neither for first First Robert for the first neither for first First Robert for the first neither for the first first First First therefore is before the good Aftions. good Actions.

VIS VIS 312 ]

Hence, they define Virtue to be a firm Puipole or Refo-lution of deing whatever right Reason demands to be done. For the a Calton of doing well be required to make a Per-fon effectively good among Men; yer it does not follow, that that Cultom or Habit is the formal Cause of that Denomi-

m, or the Goodness it felf.

astion, et the Goodneds is felf. "Privatigal, or, as they Mourilla stabley dillinguish for "Privatigal, or, as they are valgingly call'd, Cardinat Privates, via: Privates, Phillips of the Cardinat Privates, via: Privates, Phillips of the Cardinat Privates, via: Privates, Phillips of the Cardinat Privates, via: Phillips of the Cardinat Privates, via: Privates of the Goodney and heeckilly, via societies be know what is fit to be done; which is not belief and of Privates. Will no do what he be judges belt, which will perfect the Man, either as it retinates to viates Privats-bloom, the Clinic of Temperature, Or, as it fipure and urges on those that are to show and langual, which as the Educated Privates. To human Son." Or, lastly, comparatively, and with regard to human Society 4 which is the Object of Justice.

To these four all the other Virtues are refer'd, either as

Parts, or as Concenituors.

VIRTUES, in the Hierarchy, the third Rank, or Choir of Angels; being that in order between Duminations and Powers. See Hierarchy.

To the is attributed the Power of working Miracles, and of threngthning and reinforcing the inferior Angels in the Ex-

of throughding and esinfercing the infector Angels is the Lixerici of which fandless. Soc. Anour. VIRCIOSO, on Indiabless. Soc. Anour. VIRCIOSO, on Indiabless. Soc. Anour. Sugglet, fighting a Man of Cartelory and Learning; or Regulot, fighting a Man of Cartelory and Learning, or Indiable, Virtual are peopoly fach as a psply thereinferes to the police Acts of Patings, Sculpurar, Tuming, Mathematicks, tife.—A Perfor who makes Profession between the police Acts of Patings, Sculpurar, Tuming, Mathematicks, tife.—A Perfor who makes Profession between the police Acts of Patings, Sculpurar, Cartefath and Patings, and the Patings, and the Patings of t

themicires to tome cutions and quanti, rather I had imme-diately uffell Art or Study: As Antiquates, Collecters of Rathics of any kind, Microfoopical Observers, SF. VIRULENT, a Term apply to any thing that yields a Virus; that is, a corrosive or consigious Put. See Pes. The Generates Virulenta, is what we popularly call a

Clap. See GONORRHEA.

VIS, a Latin Word, fignifying Force, or Power; adopted by physical Writers, to express divers Kinds of Natural Powers: as the

Peoceta is a the

Vis Interis, or Peocet of Institution, which is defined
by Sir I. Newtone to be a Fource implained in all Mainer,
whenchy it refinis my Change calcasovarie to be made in the
whenchy it refinis my Change calcasovarie to be made in the
site of Reft, or Morion. See Internat.
This Power, these considers with the Fir refifered, Fouror refiting, whenchy every Body enclavators, as much said
from reditinces Morion in Visit Power is fill propertional
to the Body, and only differs from the Vis Interis of the
Madi in the manner of conceiving it.

Bodies only carer that Power in Changes bought on their
Bodies only current his Power in Changes bought on their
the Eventifie of this Power, is, in different refrects, both
the Eventifie of this Power, is, in different refrects, both
the Eventifie of this Power, is, in different refrects, both

Bontes only exert this Power in Changes brought on their State by fome Fit Lattreff, Force impetited on em. And the Exercise of this Power, is, in different respects, both Refflature, and Impetits: Refiltence, as the Body opposes a Force impetid on it to change its State; and Impetit, as the same body cackerous to change the State of the refil-ting Obdacle.—Phil. Nat. Princ. Math. Lib.1. See Rx-

The Vis Inertie, the same great Author essemble ob-ferves, is a passive Principle, by which Bodies persist in their Motion or Retl; receive Motion, in propertion to the Force impressing it, and resist as much as they are resisted. See MOTION.

For the Effect of the Vis Inertia in refifting and retard-ing the Motion of Bodies, &c. fee Resistance, and Re-TARDATION.

Vis Inspress, is defined by Sir I. Newton to he the Ac tion exercised on any Body, to change its State, either of refiling, or moving uniformly in a right Line. This Force confills altogether in the Adion; and has no place in the Body after the Action is ceased.—For the Body

perfeveres in every new State by the Vis Inervise alone.

This Vis Impress may arise from divers Gauses, as from the Percussion, Pression, and Centripetal Force. See Percus-

AION, &c. Vis Centrifets.
Vis Centrifuga.
Vis Antrix.
Vis Stimulans.
Vis Stimulans.

VISCERA, in Anatomy, a Term of equal import with Entrails, or Bowels; including the Heart, Liver, Lungs, pleen, Intellines, and other inward Parts of the Body. See

Special Soury Word is also frequently used fingularly, Vigus, to expess from particular part of the Entrails; by reason the Word Entrails has no Singular.

The Term Vifens is pure Letin, being form'd of Vefst, to feed; by reason, the Foods, call'd in Letin Vefst, undergo divers Preparations in the Vefstrs.

VISCIDITY, or Viscosivy, the Quality of fomething that is vifit'd, or vifens, i.e. platinous, or fliety; like Birdlime, which the Letters call by the Name Vifens. See that BIRDLINE.

PUBLICE.

Vifit Bedies, are those which confist of Parts so implicated within each other, that they resist a long rime a com-pleat Separation, and rather give way to the Violence done them by threehing or extending each way. See Particle,

and Coheston.

The too great Viscidity of Foods has very ill Effects:

The too great Viscidity of Foods has very ill Effects: Thus, Meels, or Fernar not fermented, Gellies, Ed. of A-nimals, tough Checke, or Card too much prefe'd, produce a Weight or Oppreffion in the Ventricles Winds, Yawnings, Crudities, Oblituchious of the minater Veffeis in the Intel-Acadines, Obatracities of the minore Veiller in the Indieties, Ed. Hence, an Insaltivity of the Inclines before
a Swellieg of the Abdomen 5 and, hence, a Fiftation of
the Blood, from the rounion of the Ogifal Particles of
the Blood, from the rounion of the Ogifal Particles of
the Global palanes, Coldneis, Tremon, Ec.
VISCOUNT, See Viccourt,
to Annual Viscourt,
to Annual Viscourt,
to Annual Viscourt,
Viscou, In Natural Hilbers See Natural
The See Viccourt,
to Annual Viscourt,
to A

VISUBLE, fomething that is an Object of Sight, or Vi-

VISIBLE, found-hing that is an Object of Sight, or Frienz or found-hing whereby the Ept is sufficied, for so to produce a Senfation. See Vision.

Which the Sight is sufficient to the

Option The Correlator think they philosophic better, when they far, Than Lorelator in the proper Object of Wilson, where the fow is a unimous Body they a templaters. Me, the reflect of four most a unimous Roby they a templaters the dism, and retain its fird Name, Legis: or whether is be reflected from question Bodies, under a creatin new Molificacion, or Habback, and exhibit their Images: or, latily, whether in being reflected, it is it leveral residied size risk union or that manner; and affect the flye with the Appearance of Commercial Section 1985.

But, agreeably to Sir I. Newton's Sentiments, Colour alone is the proper Object of Sight: Colour being that Property of Light, whereby the Light if fulf is vifible; and whereby the Images of opake Objects are painted on the Reisss. the Images of opake Ob See LIGHT, and COLOUR

See LIGHT, and COTOUR.

Ariflotte, the Maines, Lib. II. enumerates five Kinds of common Vifibles, which are ufually received for fach in the Schools, vis. Metion, Reft, Number, Figure, and Magnitude: Others maintain nine, as in the Verfes,

Sunt objecta novem Vifus communia: Quantum, Inde Figura, Locus, Sequitur diffunia, fitus, Continuumque & Diferetum, motulque, quielque. Authors reason very variously as to these common Objects

Author ration very variously as to these common Objects of Vision . There are two period polythoms among the of Vision . There are two period polythoms among the common Polythese produce purper Reputations of them. Gelve, by some periodic polythom prevals not be specified by the process of the Earth of Second Upsilom prevals not the vision state of the Earth of Second Upsilom prevals not, which ministrate But the Second Upsilom prevals not the vision in the second Upsilom prevals not be sufficient to the second Upsilom prevals not be sufficient to the second Upsilom prevals not that the proper Objects are fulfidicates to the second upsilom prevals not that the proper Object are fulfidicates to the vision state that the three three prevals are the second upsilom to the Diffuser, Figure, Magainette, Sec. by the Currenthauses of their conveyages to the second upsilom the second Seniory In effect, fince these common Vifibles cannot be repre-

In effect, finos the Common Viffilite cannot be repre-ferred alone, (for who ever for Pire, Dillanes, Pigure, Si-turation, Ge. of it felf) but ne always occured during with the langue of Lipit and Colour to the Organ y with re-tine the Common Viffilet flood? be formally percively by the Small 'I'lis much more probable, that from the peculiar manner wherein the Sentitive Faculty perceives a proper Ob-jedy, it is appried of in being in his or that Situation, or Place; it whis or that Figure, Magnitude, 65. How this is officied, my be concert'd from what follows.

I. The Situation and Place of visible Objects, are per-1. I be distinction and Frace of vitude Golge, are period authorit any intentional Species thereof, merely by the Installe being made from a certain Place and Mistation, either above or below, not be righe or left, before or belowing at the righe or left, before or belowing at the right or left, before or belowing to the right or left, before or belowing the between the Retting and their Inspection convey 4 to the Strifton. For fince an Object is feen by those Rays which carry its Image to the Revisa, and in that Place to which the vi/tw Power is directed by the Rays it receives; as it perceives the Impulse of the Rays to come from any Place, 50, it is abundantly admoniful of the Object's being in that Place

abundarity admonth'd of the Object's keing in that Flace and Sizuation. See PLACT.

The on this Franchise of the PLACT of the Object's being in that Flace and Sizuation. See PLACT of the Object's before under an Angle that is Infessible; the dilitan Boiles will, the feet under an Angle that is Infessible; a beginning the object of the Object's before under a finish feet of the Court PUBLISH appearing under an infessible Angle, they believe the Court PUBLISH appearing under an infessible Angle, they believe the Object's appearing on the Publish of the Court Publish of th

3°, If any number of Objects be placed below the Eye;

3°, If any number of Objects be placed below the Eye; the most remote will appear the highest: If they be above the Eye, the most remote will appear the lowest.
4°. The upper Parts of high Objects, appear to stoop, or incline fotwards; as the Fronts of Churches, Towers, etc. And Statutes actor of Boildings, to appear upright, must recline, or bend backwards. See Further under the Article

HOROPTER, &c.

11. The Mind perceives the Diffunce of Vifible Objects, from the different Configuration of the Eye, and the man-ner wherein the Rays firshe the Eye and the Image is im-

prefi'd thereon. For the Eye disposes it self differently, according office or Diffunces it is not enterenty, according to the different Diffunces it is to fee, vize, for remote Objecks, the Pupil is dilated, and the Crystalline brought nearer the Reiman, and the whole Eye made more globous : on the converse, for near Objecks, the Pupil is contracted, the Crystalline thrust forewards, and the Eye lengthend. See Pupil.

CRYSTALLINE, &C. The Diffance, again, is judg'd of by the Angle the Object makes, from the diffined or confused Representation of the Object; and the Briskeess or Feebleness, the Rarity or Spif-fitude of the Raya.

To this it is owing, 1°, that Objects which appear ob-feure or confused, are judged to be the more remote: a Prin-ciple which the Painters use, to make some of their Figures ciple which the Fainces sie, to make tome of their Pigures appear father diffant than others on the fine Plane. See Prassferive, G. To this it is likewife owing, that Rooms whose Walls are whitend, appear the finaller: That Fields coverd with Soow, or white Flowers, flow [e.5] than when clothed with Grafs:

or while Flowers, flow less than when formed with Grais! That Mountains cover'd with Snow, in the Night-time, appear the nearer: That opake Bodies, appear the more termote in the Twilight, &c. See Distance.

III. 21: Maprinde or Quantity of Vilkle Opjeth, 12: Moreon chiefy by the Angle entryhendel between two Risk statement from the two Estremat of the Objeth, to the Centre of the Eys. See Overse Angle, An Objeth appears fo big as is the Angle it fabrends a Delicit see under a greater Angle appear greater, and a objeth appear and the land of the Company of the Comp

Digital, and the second of the real Magnitude. See Magnitude of an Object, we confider the dilatee: For fines a near and a remote Object when the second of the major and a ma may appear under equal Angles, the Diffance must necessarily be estimated; that if it be great, and the Optic Angle small, the remote Object may be judg'd great, and were

The Magnitude of Vifible Objects, is brought under cer-

tain Laws, demonstrated by the Mathematicians: as, t°, That the apparent Magnitudes of a remote Object, are as the Distances, reciprocally, 2°, That the Co-tangents of half the apparent Magnitudes

a\*, That the Ge-ungenie of bhit the appareet Magnitude of the fine Obleck, are as the Dilinace; Hence, the apparent Magnitude and Dilinace being given, we have a ME-third, and the whole Solice is to the Timeger of bhit the apparent Magnitude. The General Conference of the Solice is to the Timeger of bhit the apparent Magnitude. The General Conference will from the Difference and rear Magnitude given, determine the apparent one-mind the most of the Conference on the Property of the Conference on the Property of the Conference on the Apparent of the Conference of the Conference on the Apparent of the Conference on the Apparent of the Conference 
I if the Eye be facil in A. (Fig. 5.) and the right Lind Be for the more in the human, as that the Extreme thereof always fall on the Ferribery 1; will always appear of the property of the start of th

IN "The Figure of Visits Dipells is climated chiefy from sor Options of the Strains of the Strains of the This Option of the Strains of the Strains of the Strain appeched as cereated Dipel and the this or that Figure, more jully than any Similizade of the Image in the Assim one pully than any Similizade of the Image in the Assim one pully than any Similizade of the Image in the Assim one pully than any Similizade of the Image in the Assim act Carlets, Squares, §6.

The Laws of Vision, white goal of the Figures of the

Vifible Objects, are,
1°, That if the Centre of the Pupil be exactly againft,
or in the Direction of a right Line, the Line will appear

a", if the Eye be placed in the Direction of a Surface, fo that only one Line of the Petimeter can radiate upon it; it will appear as a Line.

5", If a Body be opposed directly towards the Eye, so s only one Plane of the Surface can radiate on it; it will appear as a Surface.

appear as a Surface.

4. A remote Arch, view'd by an Eye in the fame Plane,

4. A remote Arch, view'd at a diffance, appears as circle.

5. A Sphere, view'd at a diffance, appears a Circle.

6. Angular Figures at a diffance appear round.

7. If the Eye look obliquely on the Cource of a regular Figure, or a Circle, the true Figure will not be feen a both the Circle will appear Oval, Eye. See Freuex.

V. The Number of Visible Objects is perceived, not only V. The Number of Visible Objects is perceived, not only by one or more langes; formed in the Fund of the Iye; but also by furb a Position of those Parts of the Brain, whence the Optic Nerves; spring, as the Mind has been used to, in attending to a certain Place, and that either stock, or ma-

utiful.

Accordingly, when clither of the Eyes, with the contiguous Exact of the Errais, as a fixed out of their just Face of the Errais, as a fixed out of their just Face of Exact 
N. Motion and Reft are four, when the Integes of the Objective represents to the France, and propagated to the Brain, are either moted, as a red; if a data shall approxime this parties are to the most and a red; if a data shall approxime the plane, to another, with reft red; to which it changes place query, by the Straint of the Eye to the Object leave goats and propagate and the Eye to the Object leave goats and the Eye to the Object leave to be in different Pieces and Strandown. No see the fills transition specially due to the Object leave to the Integer leave the Object leave to the Integer leave the Object leave

Image in the fame Fixe of the Retines, and the fame is-nution for fome Irishle Time.

The most proper of the retine Irishle Time.

The point a continued Circle of Fire; the Motion not being commendante with 10/201/ Time, but much offere then the point a continued of the Irishle Irishl

The Laws of Vision, with regard to the Mission of the Visibles, are,

1°, That if two Objects unequally diffant from the Eye, move from it with equal Velocity; the more remote one will appear the flower: Or, if their Celerties be proportio-

nable to their Distances, they will appear to move equally 1 If two Objects, unequally diffait from the Eye, more with unequal Velocities in the fame Direction; their appa-cent Velocities are in a Ratio compounded of the direct Ra-tios of their true Velocities, and the reciprocal one of their Diffances from the Eye. 3\*, A vijihie Object moving with any Velocity, appears to be at red, if the Space deferibed in the Interval of one Scoond, be imperceptible at the diliance of the Eye.—Hennit is, that a near Object moving very flowly, as the Index of a Clock; or a remote one very furifly, as a Star; feem at

ft.
4°. An Object moving with any degree of Velocity, will appear to reft, if the Space it runs over in a Second of Time if it be as r to 1300.

3°, The Eye proceeding strait, from one Place to another; a lateral Object, either on the right or left, will feem to move the contrary way.

6°, If the Eye and the Object move both the fame way, only the Eye much (wifter than the Object, that last will

appear to go backwards. 5°. If two or more Objects move with the fame Volocity, and a third remain a treft j. the Moveshles will appear fix?, and the quickout in motion the contray way.—Thus, Clouds moving any for the contray way.—Thus, the contrast way, and the contrast way, and the second of the contrast way.

If the Eye be moved with a great Volocity, lateral Objects a treft, appear to move the contrast way.—Thus, to a Perim firting in a Coach, and riding brifaty thre's Wood, the Trees Igen to retire the contrasty way, and to People in the Coach and the Coach

ip, Sc. the Shores feem to recede.

most important Articles in the whole System of Natural Knowledge.—Indeed, a great Part of the Physical, Mathe-matical, and Anatomical Discoveries and Improvements of the Moderns terminate here; and only tend to fet the Buff-

ness of Vision in a clearer Light.

Hitherto, refer what Sir I. Newton and others have difcover'd of the Nature of Light, and Colours; the Laws of Inflexion, Reflexion, and Refraction of the Rays; the Structure of the Eye, particularly the Resina, and Optic

Nerves, &c.

It is not necessary we should here give a minute Detail of the Process of Vision from its first Principles: The greatest Part is already deliver'd under the respective Articles.

Fart is tready deliver? d under the or freedree Article.— The Byy, the Organ of Fifting, we have deferred under the Article Evr4; and its feveral Farts, Tunics, Humann, 45c. market the present of the Article Articl

hiele whereby Objects are carried to the Eye, is laid down hicle whereby Objects are carried to the Frye, is laid down are large under the Article LIGHT, and COLORES; and the chief Properties thereof concernd in Vifton, under REFLEXION, REFLEXION, REFLEXION, THE AMERICAN, THE CONCERNIAN CONTROL OF THE CHIEF CONTROL OF

Opinions or Systems of Vision.

The Platonifts and Stoicks held Vision to be effected by The Visionitys and Sirecki held Vision to be elected by the Emiffion of Rays out of the Eyes; conceiving, that there was a fore of Light thus darred out, which with the Light of the external Air, taking, as it were, hold of the Objech, render'd 'em visible; and thus returning back again to the Eye alter'd and now modify'd by the Constal of the Objech, made an Imperifica on the Paigh, which gave the Senitation of the Objech.

Senfation of the Object:
The Readons whereby they maintain their Opinion, are forch'd, t\*, from the Brightneis and Luttro of the Eye; s\*, From care forcing a remore Cloud, without feeing one which we are incompated withai; (the Rays being supposed too brits and penetrating to be stop'd by the near Cloud, but growing langued at a greater diltance, are return'd to the kye!) 3.5. langual at a greater distance, are return to the kye o) 5; Frem our nor feeing an Objeci laid on the Pupil "4, From the Kye's being weary with feeing, i.e. by emitting great the kye's being weary with feeing, i.e. by emitting great fee Niph'; as Cats, Lions, Mose, Owis, and fome Mon. The Epicarcens held Vifen to be perform d by the Em-nation of corporal Species, or Images from Objects a, or, a fort of Atomical Efficients, continually flying off from the in-timate Paras of Objects to the Eye,

Their chief Reafons are, 1°, That the Object must sectifiatly be united to the visive Faculty 3 and fince it is not united by field; it must be to by 6 mes Species that respectants it, and that is continually flowing from Bodies 1 s<sup>2</sup>. That it frequently happens, that to did Men fer emote Objects better than near ones; the distance making the Species thinger, and more commentaries to the Delbility of their Cygnn.

thinner, and more commensurate to the Debitity or meir origin.

The Peripatetick hold, with Epicarus, that Viffon is performed by the Reception of Species; but differ from him in the Circumfiances: For they will have the Species, (which they call Intentionales) to be incorpored.

which they clis intestitutes() to be corpored.

The true, Artificials Diction of Viffent, delivered in his control of Viffent, delivered in his control of Viffent, delivered in this control of Viffent, and they may more the Organ of Sight: To which he adds, in another Place, That when we perceive Bodies, its their particular of the Control of Viffent and the Article, that we receive: as a Seal makes an Impreficion on Wax, without the Wax's retaining any thing of the Seal.

thing of the beat.

But this vague and obfare Account, the Peripateticks have thought fit to improve.—Accordingly, what their Mafetr call'd Szecies, the Difeiples understanding of real proper Species, after, 'That very vibile Object experties a period Image of it felf, in the Air contiguous to it; and this Image and the Air contiguous to it; and this Image when the contiguous to the Air contiguous the contiguous the contiguous to the Air contiguous to it; and this Image was the contiguous to the Air contiguous to it; and this Image was the contiguous to the Air contiguous to it; and this Image was the contiguous to the Air contiguous to it; and this Air contiguous to the Air contiguous to it. Image of it felf, in the Afr contiguous to it; and this living another, foreshed to Si, in the next Afr; and the third, another, Sc., ill the last langes arrives at the Griffellies, the content of the state of the

it is performed by Kays of Light retricted from refractional prior of Options of Objects, received and in the Points of Objects, received the Coats and Humours, to the Retries, and thus triking, or making an Imperficion of the many Points thereof: which imperficion is conveyed by the correspondent Capillament in the Option Service of the Correspondent Capillament. Brain, &c. As for the Peripatetick Series or Chain of Images,

As not the Perspatiate Series or Chain of Images, in a some Chimers, and Article's meaning is better underflood without than with 'em.—In effect, ferting their affect, for Articless, and Newconian Doctrines of Vifeo are very conflicter: For Sir I. Newton imagines, that Vifeon is performed chiefly by the Vibrations of a fine Medium which form defined the person of the Newton imagines. penetrates all Bodies, excited in the bottom of the Eye by the Rays of Light; and propagated thro the Capillaments of the Optic Nerves, to the Senfortum. And Des Cartes maintains. Optic Nerves, to the Settlerium. And Diet Larter maintains, that the Sun peciling the Materia-Substills, wherewith the World is fill'd, every way; the Vibrations or Palles of that Matter erflected from Objects, are communicated to the Eye, and thence to the Scolloy: So that the Action or Vibration of a Medium is equally fuppoid in all. See Maptum. Modern Theory of Vision.

In order to Vision, we are certain, it is required that the Rays of Light be fent from the visible Objects to the Eve-What befals them in the Eye, will be conceiv'd from what follows

Suppote, e.g. Z the Eye, and ABC the Object, (Tab. Optickt, Fig. 53.) Now, the every Point of an Object be a radiant Point, that is, the there be Rays reflected from a radiant Polns, that is, the there be Rays reflected from every Point of the Object to every Point of the circumambient Space; each earrying with it its reflective Colour, (which we fallly imagine to be those of the Object) yet, as only those Rays which past thro' the Papil of the Eye affect the Seeds, we finall here consider none clic.

stifted the Seofs, we shall here consider some cife.
And, again, to there he a grant number of Rays patting
from our relature Pattar, as B, thus 'rise Papul', yer we fluid
from the relature Pattar, as B, thus 'rise Papul', yer we fluid
Now then, the Kay B D, filling perpendicularly on the
Sarriese ED P, will pafe not of the Air into the agreese
Hammer, without say Pokerfillon, and proceed rights to EI,
Hammer, without say Pokerfillon, and proceed rights to EI,
line Hammer, it will go out without any Refrictline to M,
where, spain, fulling perpendicularly on the Sarriese of the
vitrooms Hammer, it will proceed thrait to the Point O, in
Avant. to Res Y, BE prifting Pollogovic set of Air most

the Fund or bottom of the Exc.

18 F. priling obliquely out of Air space, Aprilin, the Ray N. E. priling obliquely out of Air space Aprilin, the Ray N. E. priling obliquely out of Air space and approach towards of the Principle 
and thence to N, and thence to the others in O.—But the Rays between BE and BF, being formewhat left to-

the Rays between BE and BR, being formersher in the refriende, will me mere providity in the fame Petar O. Petar Friende, will be most providing in the fame Petar O. Petar in the fine measures as if the State in the fine measures as if the Ray and the fine of the fine measures as if the state in the fine of the being as the measure of the fine X x And the Rays from any form on the fine of the Byte, as to meat near the Fean X x And the Rays from any form one from the fine of the Byte, and the Fine of the Byte, the work of the Fine of the Byte, and on the contarty, that core for the Eye, and on the contarty, that core for the Eye, and on the contarty, that core for the Eye, and on the contarty, that core for the Eye and on the contarty, that of the Fine of the Eye, and the contarty that of the Byte of the Eye, and the contarty that in the most ingreat in the most ingreat.

Object.—The obit is note to be undershood in the smooth rigour. See Rangillow. Object recents from the Eps, in facts master as that the radiant Point B does not decline from the Line B1 th the Rays which would proceed from B not complete B1 the Rays which would proceed from B not complete the result of the recent points of the Point O to the constraint; if the Object flowed be brought and care the B2, that Rays prefitting from the Point B to the Point O. The constraint of the Point O. The recent the Point O. The Po that of the contiguous one.

that of the configuous one.

And this would commonly be the Cafe, but that Nature has provided against it; either by contriving the Eye foz as its Bulb may be lengthen'd, or florten'd, as Objects may be more or lefs diffant; or, as others will have it, to sat that the Cythalline may be made more convex or more flat ; or, according to others, so as that the diffance be-rween the Crystalline and the Revins may be lengthen'd or

florers il.

The first Reyclient is the most probable; in the footing of which, with we define an Diyat to an Object to emode callowed Figure, the Rye is drewn beck into a three callowed Figure, the Rye is drewn beck into a flutter rigger, by the Contraction of four Mattlers; by which means, exceed to the Rye for the Contraction of four Mattlers; by which means, exceed the Rays for George and when we were as Object on our, the Rye heige comprofit by the two obligate Mattlers, belong for further of from the Cryptillane, does not receive the Rays of any Poats before they macro. Organization of the Cryptillane, it is occupied to Polymen, that whereas in forms lided the Cours of the Rye are of their a lawy confidence, that Name Callows and the Rye are of their a lawy confidence, that Name Callows and the Rye are of their a lawy confidence, that Name Callows and the Rye are of their a lawy confidence, that Name Callows and the recent, by leging the Cryptalline of the contractions of the Rye are of their a lawy confidence, that Name Callows the other means, by leging the Cryptalline of the contractions of the Rye are of the second of the Callows and the Rye are of the second of the Rye are of the American Second of the Rye are of the Rye are of the American Second of the Rye are of t

Mulcies would not have been able to contract and utterne cm; Nature has taken other means, by binding the Cryfalline down to the Retina, with a kind of black-fift Threads, not found in the Ryes of other Animala—Nor must it be omit-red, that of the three Refractions above mention, the first and the state of the is wanting in Fishes; and that to remedy this, their Crystalis winting in Pisners 3 and that to remedy thus, their cyptia-line is not lenticular, as in other Animals, but globalar. Lattly, fince the Eyes of old People are generally worn flatter than those of young ones 3 to that the Rays from any Point fall on the Resins ere they become collected into one; they must exhibit the Object formewhat confidedly: nor can fuch Eyes fee any but remote Objects diffinftly. See PRESENTA.

In others, whose Eyes are too globular, the Case is just

In others, whose Eyes are too globalar, the Case is just the resercie. See Myorps.
From what has been shewn, that every Point of an Object moves only one Point of the bottom of the Eye and, on the contrary, that every Point in the Fund of the Eye, only receives Rays from one Point of the Object it is easy to conscieve, that the whole Object moves a certain Part of the Retine ; that in this part there is a diffined and vivid Collection of all the Rays received to at the Pupil; and that Collection of all the ways received to at the ruphs and that as each Ray carries its proper Colour along with it, there are as many Points painted in the Fand of the Eye, as shere were Points visible in the Object.—Thus is there a Species or Picture on the Resina, exactly like the Object; all the difference between 'em, is, that a Body is here reprecles of ricture on the Retina, exactly like the Ubject; all the difference between 'em, is, that a Body is here repreferted by a Surface y a Sarface frequently by a Line, and a Line by a Februr : that the Image is inverted, the right hand anfwering to the left of the Object, 25c. and that its co-cedingly finall, and thill the more fo, as the Object is meet Sec VISIBLE.

What we have shown under other Articles, of the Nature What we have incum under other Articles, or the Nature of Light, and Colonrs, readily accounts for this painting of the Object on the Resins.—The matter of Fact is proved by an east Experiment, first try'd by Des Cerves; thus:

The Windows of a Chamber being shut, and Light only

admitted at one little Aperture; to that Aperture apply the Eye of Gene Admin Lewly kill'd, having firth destreadly pail'd of the Menchemen that cover the bostom of the virtewa Hamosa; wie, the hind Part of the Sthernies, Elsevierteen Hamosa; wie, the hind Part of the Sthernies, Elsevierteen Hamosa; wie, the hind Part of the Sthernies, Elsevierteen Hamosa; wie of the Reinia; is the will the langue of any white Body, and Deers be feen dithinkly painted on any white Body, and the Sthernies Hamosa; which was a supposed to the state of the Sthernies of the Sthernie

or a Camera Offener. See Ers., and Castran. Offener.
The Images of Oyfech, then, are represented on the
Reinas which is only as Expanding of the fine Capillaments of the Opfic's Perry, and from which the Oppin Nerve is contined into the Brain. — Now, any Motion or Vibration impatif do one extreme of the Nerve, will be propa-gated to the other. Hence, the Imaglie of the ferent Rays good to the other. Hence, the Imaglie of the forest Rays of the Oppin State of the Oppin State of the Capilla Oppin at they are on the Oppin State of the Oppin State of the Oppin State or in particular Vibrations or manners of Parliera, companying the Targon's Option of the Oppin State of the Oppin State or in particular Vibrations or manners of Parliera, companying the thready on the Place when the Opcillations are ining thereto) to the Place where these Capillaments are in-terwoven into the Substance of the Brain.—And thus is Vi-

on brought to the common Cafe of Senfation,

For fuch, we know, is the Law of the Union between the Soul and Body; that certain Perceptions of the first, do ne-cessarily follow certain Motions of the last: But the different

Soal and Body's their certain Ferceptions of the first, do not be a second of the first of the Contract of their their their determination of the first of the Contract of their contract of their periods of the first, and their Meritons are propagated to the Soadors it follows herefere, that there must arise from a first of their contract of their contr be rate or Gener by half that holds flowing from the fine, Point at a Milled distinct, yet the fine Cyllations of the Optic Nerre, which in the latter Cale would only be mored by that one Point, in the former, will be attified with the pitth Alflorn of the neighbouring Points; and threefore the highest Allange it as client as in the other Cale—Add, that the Papal Glating it left more, as the Object is more remote, "," The Dimitschaff of Viffus is formwhat preserved in the Six of the Image exhibited in the Fand of the Eye— For there flouds be, at leafing a many Externees of Colysia.

the Size of the Image exhibited in the Fand of the Eye.— For there flould be, at leaft, as may Exerents of Capilla-ments, or Fibres of the Optic Nerve in the Space that Image is to the Payls - One of the Capillament, and the Capillament - And if the Kay from two Points of Exparter Capillament: And if the Kay from two Points fall on the Gangle Landson of the Capillament around the Point had fell there; if there is the firm as if only one Point had fell there; if there is the men Capillament cannot be the Capillament and the Capillament capillament cannot be the longest of very remote Oblecks below ever only in that differently moved at the fance inter—And hence it is, that the lange of very serum Objekts heigh every finall, the length of very serum Objekts height every finall, the lange of very serum Objekts height every finally of the Copylinates: And hence slid, if the Objekt her different Copylinates in the copylinates of t

title State.

For the Mornour of peing and judging of the Dilunce and
Magnitude of Objects. See DILLANCE, and MAGNITURE.

Magnitude of Objects. The Laws of Physics, brought nature

means, in Oppletts.—The Laws of Physics, brought nature

taken in the desired the state of that Word: For product

taken in the greatest Latinude of that Word: For product

taken in the Writter on Mathematicks, Opticle is generally taken, in

a more religiant of Spatiaction, for the Debrine of Directle

of Control, in the Debrine of Regular Physics, and

CATOPINICAL STATEST, in the Debrine of Regular Physics,

CATOPINICAL STATEST, without produce the Catopinical Statest,

Directle of Spatial Visions, it has preferred by means of Directle of Spatial Visions, it has preferred by means of the Catopinical Statest,

Directle of Spatial Visions, it has preferred by means of the Catopinical Statest,

The Catopinical Statest Physics of the Catopinical Statest Physics, it is the profession of the Catopinical Statest Physics of the Catopinical Statest Physics of the Catopinical Statest Physics, and the Catopinical Statest Physics of the Catopinical Statest Physics, and the

DIFFERENCE, and DIFFERENCE.

Direct, or Simple Vision, is that perform'd by means of lirect Rays; that is, of Rays pating directly, or in right-ainer, from the radiant Point to the Eye. See Direct.

Such is that explain'd in the preceding Article Vision 3

fee alio Ray.

Reflected Vision, is that perform'd by Rays reflected from Specula, or Mirrors. See REFLEXION.

The Laws hereof, fire under REPLEXION, and MIRROR. Refracted Vision, is that perform'd by means of Rays refracted, or turn'd out of their way, by patting thro' Medium of different denfity; delirely thro' Glaffes and Lenkes. The Laws of this, fire under the Articles REPRACTION, LENS, Sc.

Lais, 15c.

Visiou, smoog Dribes, is used for an Appearance which
Condecations by earth as the Condecation of Section 2002, American Condecation of Section 2002, American Condecation of Section 100, American Condecation of A Disdigs, and the Records of Section 2002, American Condecation of Section 2002, American Condecation of Section 2002, American Condecation of Condecation o

r gronery.

Queuede Vifions, are Deferiptions of what path'd in the
Imagination of that Author.

The Bestific Vifion, is the Act whereby the Angels and
bleffed Spirits fee God in Paradist. See Beating.

VISIR, or Visirs, or Visirs, an Office of Disability.

in the Ottomen Empire.

in the Ottomas Empire.

There are two Kinds of PiGrs, the first called by the

Tarks, PiGr Azen, that is Grand FiGrs, find created in

Tarks, PiGr Azen, that is Grand FiGrs, find created in

Tarlo, by Admarts, in order, to call balled of the cheft

The Grand or Prime FiGrs, is the first Minister of State in

the whole Empire.—Hie commands the Army in chirt,
and predicts at the Dixta, or great Council.—Receigade

Christian, have been frequently risk to the Fiffers: 2-8ab.

were Khristedin, Dixt. Ala, See.

News to the Council PiGrs at the State of the Ordinate Fiffers.

News to the Council PiGrs at the State of the Ordinate Fiffers.

the Palies thereof receive any detriment. See Bassor, America Kon, See, Razanura.
The Lawyen hold it a Breach of the Kingly Preceptive, so uglir the Univerdice; so isopate inso the Statutes, and Olderstude of them; to copy Elbridguett, Gf. Buf isometry of the property of the Conference of them; to copy Elbridguett, Gf. Buf isometry of the Conference of each Religious Dects; to bright of sort fire feveral Monatheries of the Color; to bright of sort fire feveral Monatheries of the Color;

C GENERAL, and ORDER.

See GENERAI, and OANER.
In Abbles that are Chiefs of their Orders, there are particular Officers, call'd Vifitors; who are dispared into all the Houses and Congregations depending on them, to fee that the regular Difespine is observed.
In Spain, there is a Vifitor and Liquisticor General.—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordinary—
The Vifitation of the Coliter belongs to the Ordin

In a Moral and Religious Sense, Visitation is also used for the Afflictions that befal Mankind; as coming from the Hand of God, to try or prave them.—In this Scafe, the laft Plaque among us is frequently call'd the Vifitation. VISIVE, in the School Philosophy, a Term applied to

VISIVE, in the School Philolophy, a Term applied to the Power of Sering. See Saxisse.

Authors are exceedingly divided about the Place where the Fffer Resulty refides: Some will have it in the Resins; others in the Chorocides; others in the Optic Nerve; others, as Six I. Newson, in the Place where the Optic Nerves meet, before they come to the Brain; and others in the Brain ir felf. See Signy, and SENSORY.

VISNE, in Law, a neighbouring Place, or Place near at and. See Venze. VISUAL, formething belonging to the Sight, or Seeing.

VISUAIA, fomething belonging to the Shipt, or Sceing, See Soury, and Six 1866. So I Light, imagind to come from the Object to the Eyr. See EAT, and Geometers, are performed by means of the Fight Rays, received in as the Shipts, or Piration of Albidolat. See Observations, Sixty, One Analys, Lawrence, Exp. See Construction, Sixty, One Analys, Lawrence, See Construction, Sixty, One Analys, Lawrence, See Printer, Visitan, Peirs, in Perfectlive, is a Point in the borizontal Line, wherein the coular Kays unite. See Printer, Thus, a Farcia though pin a first long Guileys, and looking forwards, the Sides, Floor, and Ceiling feem to z

and touch one another in a Point, or common Centre-VITA, Life, is a very ambiguous Term: Fee both God and Man, and a Soul, and an Aoimal, and a Plant, are faid to live: yet there is not any thing common to all these, be-fide a kind of active Existence, which, bowever, is very diffi-

rent. Seo Animal, Vegeranle, &c.

Life, then, in the general, expresses a kind of active, operative Existence; and is therefore conceived to consist in Mo-

tion.—But, particularly,
VITA Corporis, the Life of a Body, confifts in an uninterrupted Motion therein.—A Body, therefore, faid to be
living, must confift of various Parts or Members, both interforms, must consist or various rares or numbers, both inter-nal and external, for framed and part together, as to consis-tate one Whole. And these Members must be moved and warm'd by forms shall additione, permeating the whole Frame; by which Hest and Motton, the vital Fauctions are to be performed—Such are Nutrition, Generation, Local

to be performed.—Such are Nathtion, Generation, Local Motion, ges. See Broop, Cincutarion, geb. by the Certifiest to conflict in a perpensal Cogitation, or uninterrupted Courfe of Thinking, which feems likewife to have been Arieffect's meaning, when he call'd the Soul invargous; which his interpreters call After: Thinking being the only proper Act of the Mind. See ENTELECHEIA.

But Mr. Lock endeavours to refute this Principle.

THINKING Vira Hominis, Life of a Man, confilts in a continued Communication of Body and Mind; or in Operations to which both the Motions of the Body, and Ideas of the Mind,

contribute.

Thus, e.g., the Mind now thinking of fomerhing, on occidion of that Thought, there aries a certain Motion in the Body: And now, again, the Body proves first, which the Body: And now, again, the Body proves first, which is first alternate or reciprocal Operation does the Life of Man confit, foredird's abe in 8 and Compound of Body and Mind. See Sunsarrons, Morrons, 45: dempod of Life in the Collection of the Confitted State of the Collection of the Confitted State of the Collection 
Thus, the Heart, Lungs, and Brain, are called Vital Parts.

See PART.

VITAL Functions, or Altions, are those Actions of the

Vital Parts, whereby Life is effected; so as that it can't

chufilt without 'em-Such are the muticulan Action of the

Heart; the secretory Action of the Corebellum; the respi
ratory Action of the Lung; the Circulation of the Blood

and Spirits, ther the Arteries, Veitus, and Nerves. See

VITAL Spirits, are the fineft and most volatile Parts of

Vixus, Spirits, are the finelt and most volatile Paras of the Blood. So Sharangain, a lab of Tribiter of Eccle-Book, wherein Paole antiently thefu to write down their memous, humomens, and warmen Parasies and Imperimencies. The fame as what in English we may call a Triffe-Book. So Estariat, Liu, XVI, 1799, will, XVII, 1799, will, XVIII, 1799, will,

(alk of an Egg , by reaton, the Leaves were rubb'd therethis: Others derive it from one 'Pitellist their Ivenence.
VITRIFICATION, or VITRIFICATION, other Alk of conerting a Body inso Glish, by Fire. See Getass.
Of all Bodies, Fern-Aflice, Sand, Bricks, and Pebbles,
irrify the most easily. Accordingly, it is of the first of
hele that Glish is principally made.
Gold, held by M. Elmherg care Theory is of the Dake

Gold, held by M. Hemberg near the Focus of the Duke of Orksaris large, burning, concave Mirror, at first finoak'd, then changed, all of it that did not go off in Fumes, into Glas, of a deep violet Colour.—The Glass of Gold weighs than Gold. Memoirs of the French Academy, 1702. Sec Gold

Sec (101.D. All Metals, and even almost all Natural Bodies, fufficiently heated, wirrify: And this Virrification is the last Effect of the Fire; a stree which the most intende heat of the larget Burning Glafs, will make no further Alteration. See Bunning-Grane, Minnon, and Finn.
Virrification, Some Authors will have to be chiefly effected.

y the Salts uniting and incorporating with the metallin Particles. See CALCINATION.

Firtleles. See CAKEINATION.
But, according to M. Humberg, all Virtification refults from
the Earth, which being exposed to a violent Fire, and
the Earth, which being exposed to a violent Fire, and
clint.—"That, krypoling the Frinciples of Cold to be the
carty, a metallik Sulphar, and an Earth is the Firtification
of Gold is cellify conceived: the Mercary, being voltatie,
exhales in Sonoke, and leaves behind it the Earth, and deplay, which are fall of the Only the Cold the Cold
plant, which are fall of the Coldphar different the Learth and

VITRIOL, in Natural Hiltory, a kind of Pofil, or mi-netic state, chiefly found in Copper-Mines. See Salty, and Copper.

with its Salt. See SEMI-METAL.

Vitrol is defined by Berbasue, a faline, metallic, transparent Glebe; diffoluble in Warer, and fufible and cal-

cinable by Fire. canable of Fire.

It acquires different Names, according to the different Places where it is dug: and the Vitruit of those also, differ from each other in Denomination and Colour, forme being

from exch other in Donomination and Colour, form being West, others Blary, and others Green.

Rosses Pirent, for Indiano, is White; that of Opras, Blac; and that of Pipe and Germany, generalther, in the part of 
According to Boerheave, Vitriels confile of a metallic Part with a Sulphur adhering, a meniferous Acid, and Water. In Blue Vitriel, the Metal, wherewith the Acid, &c. is

In Blue Virrol, the Aletal, wherewith the Acid, Con-joint'd, is Copper. See Verwig.

In White Pariol, commonly call'd White Copperat, it is mix with Lapit Caluminaris, or fome ferruginous Earth, in-termix'd with Lead or Tim. See Corpeans.

In Green Virrol, the Acid is joint with Iron. See Mans.

In Gress Vitriel, the Acid is joined with Iron. See Mass. The Amicinas give the Name Collectins, or Celestins, the Theorem The Amicina give the Name Collectins, or Celestins, the Collectins and the Colle

Colorbar brought from Sweden and Germany, the best whereof is of a brownish-Red Colour, and a vitriclic Taste,

whereof lot of a brownfilh Red Colour, and a strivite Tule, and diffusive calify in Water 2 and, when back, is of the Colour of fluing Copper. See Guccovina.

Colour of fluing Copper. See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Francis.

See Francis.

See Francis.

See Francis.

Air, ullifact time as they calcine, and change great postility.

Air, ullifact time as they calcine, and those great postility.

See See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Guccovina.

See Gucco All the other Vitriols are made after the fame manner, that is, much after the fame manner as Alumn is made in England, or Salt-petre in France. See ALUM, and SALT-

PETRE. For Green Vitriel, they add a great number of pieces of Iron to the Liquor in the boiling; their raife a great Bhulli-tion. As foon as the Iron is different, they exposure the Diffoliution to a certain Degree; and so let it crystalize.—The Constitution formal and the second 
Diffulction on a certain Degree 3 and fo letticythaline.—The Cythich being formit, decre crania a thick reddiff, ueda-cythic being many decreased as thick reddiff, ueda-cythic properties of the second properties of the formit Powder. Sec Sympathetic

The medicinal Virtues of Vitriol are very great; but all

The medicinal Virtues of Firrial are very gent; past and wowing to the Iron, or other metallic Parts mix with it, and therefore follow the kind of Metal. Thus, those of Green Virtuel depend on the Hypticity or attingency of Iron, or Mars. See Mans, 15c.

The Einstern drawn from Green Virtuel, Moedicur Geoffrey observed, does not drifter any way, effectfully, from a great Nauron very expensions which the Chyprolist have great Nauron very expensions which the Chyprolist have great Number of Preparations which the Chymilis have given us of Virrie, Iven, and the Lapit Hemsteris: As the first and anodyne Shiphurs of Virries on Mars; Arcans, and Magilteries of Virries! Trichtere, Etc. of Virries, Mars; Ac. The common Basis of all which is Iron ex-ceedingly labilized and attenuated. Soc Ison. A Solution of Virries in the With a Tinchure of Galls, be-comes, instantly exceeding Black: and its this is the com-

Writing-Ink. Sec INK.

Monfieur Lemery, the younger, has a pretty Hypothesis to account for this Blackness: he imagines, that as the Vitriol whereof link is made, is Iron diffolved by an Acid, and intimately mix'd therewith; and as Gall is an Alkali, or Abfor-bent, this Alkali meeting the Acids which hold the Iron dif-folved, unites with them, and makes them let the Iron loofe, forced, uniter with them, and makes about let the time none, the which theremore revisities, and release to transmit Blackneth. Revisities and the state of the s

Base is Copper; that of the rest is Iron: and accordingly hey all ferve to make link withal, excepting that: Vitrial allo enters the Composition of Aquafortis. See

What we call Calcanthum is only Vitriol rubified, and is of the fame with Celeothur, as fome have imagined. See

CALCANTHUM,

not use time win contribute, a some new thoughood, we do not take the Well First ideas to be side, quest justified about, because of in finising Colour; but Meary exhet about, because of in finising Colour; but Meary exhet menting and the Groots, California, 
Soc ENS VENERIS

FIS. See ESS VENERS.

Metalik VINIOUS: All Metals, it is to be observed, may be converted into Firstelt, by dissolving ten with acid Spiarits, and letting 'em shad, the 'its very difficult to obtain Vissio of Gold or Silver, by reason these Metals are not cossib statistical to a Silver. eafily diffolved by the Spirlt; but Vetriols of Iron and Copper are eafily ha

per are canty had.

VITRIU. of Mars, is a Preparation made by diffolying
Iron, or Steel, in a proper acid Mentraum, then evaporating
or drawing off the Molfure, and bringing the Marter to
crystalize, viz. by fetting it in a cool place. See Mars.
It is allo call'd Selt of Steel. See STREEL.

Victoria of Linear of the Moon is the Body of Silver chy-

Virraiot of Luna, or the Moon, is the Body of Silver chy-mically opened, and reduced into the Form of Salt by the sharp Points of Spirit of Nitre. See Luna, and

Virriot of Venus, is a Preparation made by a foliation of Copper in the Spirit of Nitre, evaporated and crystallized, to gain the Salt; call'd also Vitriot of Copper. See Cor-

PRR, Co. Thefe factitious Vitriols being only Metals diffolved and crystallized in faline Menthruums, are frequently call'd, by way of dittinction, Metallic Vitriois, and Metallic Salts.

crystaland in subset of the state of the sta

VITRIOLIC, fomething that has the Quality of Vitriol, partakes of the Nature of Vitriol. In this Senfe we say, a Vitriolio Spring, Vitriolio Stone,

In this Sende we day, a Firraile Spring, Partielle Streit, Partiele Spring, Some of Firraile Witter, and the real Rull. If less be thrown core of Firraile Witter, and the real Rull. If less be thrown core of the 1000 November of the 1000 N

this same to be consultation of the consultati

this Humour, the Virient Youth. Fillet or Head-band; is VITTA, among Anatomilis, a Fillet or Head-band; is used for that part of the Jamies which flicks to the Intan's Head when it is just bern. See Annelson. VITUS' Dance, in Medicine. See Gross as Smill Vit. VIVA Peruma, was antenny left for live Carto. See

PECUNIA

Freunia. Viva Fore, q. d. by Word of Moath. See Direction. Viva Fore, q. d. by Word of Moath. See Directions. That Ward, in our Lise Books, is fometimes acid for a Park, Warne, or Fifth-road, wherein bring Greatures are kept, ga. See Farr, Warners. VIVIFICATION, in Medicine, the Att of Firifying, that is, of countbuling to the Aclien that gives like, or maintain Like. See Lirz.

maintains Life. See Life.

The Chymids affo to the Word in fpcaking of the new Force, Vigour, and Luftre which by this Art they give to natural Bodies, particularly to Mercury; which after having been fixed or amalgamiated, they reflore to its fift State. CE REVIVIFICATION

VIVIPAROUS, in Natural History, an Epithet applied to such Animals as bring forth their Young alive, and perfect: in contradistinction to such as lay Eggs; which are call'd, Outparous Animals. See Arimal, Overanous, and

within their Bellies, and bring forth live Vipers In the Philesphical Transatt, we have an Account of a Viviparous Fty, of the Oestrum or Gad-kind, — Dr. Lister tells us he open'd several Females of this Class, and found, in each two Bons of live white Worms. The like is

each, two Bags of live white Worms. hinted by Mayouandus.
Dr. Lifter fulpects, that all of this Tribe are, in fome inneafore, Vivigarous, See Insacrs.
VIVO, in Architecture, the Shaft, or Fuft of a Column. See SHAFT, and COLUMN.
The Term is also used in a more particular Sense, for the

Naked of a Column, or other Part.

Sec NARED.

Naked of a Colum, or other Part. See NARID.

VIZARD, or VIJON. See ORAN See GARDVIPPAR.

VIZOR or VIJAND, in Heraldry See CARDVIPPAR.

VIZOR or VIJAND, in Heraldry Solution or Diffcontnuity of Creamer, or a fair of Sublines or Diffcontnuity of Creamer, or a fair of Sublines on the flethy Parts of the Body, proceeding from an internal Coufe. See Securiors.

Galvin defines it can inverente Endong of the first Parts of the Body, by which, initiated of Blood, they are brought to grid at kind of Plant, or Statify a White prevents the Confidence of the

lidation. The defines an Ulier, a Solution of Contrainty from Emmilier defines an Ulier, a Solution of Contrainty from Emmilier defines and United States and States lidation.

er Caufes.

Ulters are divided into fimple, and complicated: They are again divided, with regard to their Circumitances, into Pattrid, or Sardid, wherein the Fleft all around is cortupted and fetid; Verminous, where the Matter being thick, co and retto; Ferminous, where the Matter being thick, does not flow away, but generates Worms, 8c. Ferulens, which inflied of Pra, or Sanies, yield a malignant First, Sc. They are again dillinguilful, with regard to their Ferm, into Sanous, Fillulous, Varicous, Carison, Sc. Williams, Varicous, Variety, Varicous, Variety, Variet

when attended with other concurring Symptoms, 2s a Cacothymic Habit, which greatly retards or obstructs the Cure, it is called a Compound Ulcer.

A Simple Ulcer is attended with no other Sign than that

of Erosion; but Compound Ulcers, happening in a Scorbutic, Dropical, or Scrophulous Conflitution, may be attended with Pain, a Fever, Convalions, a large and emaciating Discharge of Matter, Inflammation and Swelling of the Part,

Callofity of the Lips, a Caries of the Bones, Sc.
A Putrid or Sordid Ulter, is that whole Sides are lined with a tough, vifcous Humour, and is also attended with Heat, Paio, Inflammation, and a large Flux of Humours to the Part: With time the Strates increase and change Colour, the Uter corrupts, its Matter grows fettid, and fomerimes the Part gangrenates.—Putrid Fevers often give rife to this kind of Ulcer.

A Phagedenic Ulcer, is an Ulcer of a corrolive Na-ture, eating away the adjacent Parts all a-round; the Lips sure, cating away the adjacent Parts all a-round; the Lips thereof remaining tomefied. When this kind of Utere cast doep, and fireads wide, without being attended with a Timour, but portifies and grows foul and feitd, 'tis call' Noma's and both, on account of the Difficulty wherewith they heal, are also termed Dyspopules.

Paricons Uters, are, fish, but here.

they near, are an erriced "Superpossons".

\*Varicous Ulers\*, are fuch as being feated in the Veins, and becoming painful and inflammatory, swell up the Part they posses.

These, when recent, being occasion d by the Use ponent.—a netce, when recent, pening occasioned by the Une of Corrolives, or proceeding from a reputered Varix, are often attended with an Harmorrhage.—The Veins adjacent to the Ulser1 are, in this cafe prester-naturally diffended, and may fomentimes be felt intervoven together, like net-

some the PASE.

Simulation of the passion of the as you a-flant or fide-ways from their Orifice, and may be known either by fearching with he Probe, Was Candic, 26. or the Quantity of Matter they difcharge in proportion to their apparent magnitude—Their fometimes lie deep, and have feveral Tumings: they are diffinguilhed from Effatter only by their want of Callotty, except in the very Orifice. work, about the Part.

fity, except in the very Orifice.

Fiftulous Ulcers, are fuch as are finuous, or winding, stended with great Callofity, and discharge a thin, scrous, and ferid Matter.

and brind Malver.

Old Ulers' are rarely cured without the Ulo of Internals, which are to be find as abfords and definey the Acidlery's Sadedificial effectable). Decoclions of the Woods, Antimonials, Viperince, and Volatiles; but above all things Vontionitoria often repeated I in the modification theorem of the Company 
The Cure of fimple, shallow Ulcers, is commonly affected hy applying a Fledget armed with Limment, area; or Basilie, star. to the Part, a Plaister of Diachyl fimp. or de Minne, being aid over it, and repeating the dreffing once a-day, or

leidomer.
If only the Curicula be loft or eat away, nothing more than a little Digment. As Scottin Rah, or Distrappine, See, Spead.
If fromy Elech flowed, grow up, in either cafe it may be kept down with a little Roman Firriel, See, as in case of healing up the Simple Ulerri made by the breaking of the common Turners.

Evacuations are indiffernibly necessary in the Cure of Ulters of the compound kind, where the Constitution will

dmit theroof.

admit thereof. be fillules, finuess, senerous, \$5^{\circ}, rad the Mit of Golf, thus, or faines, it is found proper to join Colomit with the Taypatrice, or to give it in final Defes, between the Repetitions thereof, is a not to failuste. Beddes the Ule of evacuating Medicines, it will here also proper to order a Courte of Die-drifts, made with the Sudomitch Woods, ejecually where the Uler is infected to be Vegreeal.— In the mean time proper Defellings are to

be nicd. When the Ulcer obstinately refists this Treatment, a Saliwhen the User continuetry returns this Fratment, a Sali-vation is generally propoled, and foldom fails to promote the Care, the all other Remedies flouid have been titted in vain. If the Patient be to weak to undergo the Frajage of a thorough Salivation, it may be moderated, and kept up the longer, in Proportion to this Strength. See Salavatroni. Extremal Medicines for Users, are Digettives, Cleanfers, Scrotticks, and Expositicks.— Monitors Bioligie gives us a

Serocités, and Epuboléss.—Monfeur Beilghe gives us a Medicine of fingular Élicies in the Care of Ulters; and it is no more than a Decelhon of Walton Lexves in Water, which is the Care of the Care of the Care of the Care to the tild only I leave and the Care of the Care to the Care of the Care of the Care of the Care cond or third Day. This imple and valgir Medicine in find fuppartact, eletries, increases, refilir Fatrachellon, ge-more thin any other Medicine known. In Ulter in the Langu makes what we call a Phirhifa.

An Over in Section 2016
See Privile18:

The Venereal Difast is a grand Source of Ulcert; particularly in the Prepace and Gians, in Men; the Vagins, Se. in Women; and in the Mouth and Palate in both. See in Women; and in VENEREAL Difeafe.

Venereal Ulcers are of various kinds; those that grow loos and cancrous, are call'd Shankers. See SHANKER. ULCERATION, a little Aperture, or Hole in the Skin,

aufed by an Ulcer.
Cauftic Medicines fometimes occasion Ulcerations in the Sec CAUSTICS.

Skin. See Caparius.
Arfenic always *Ulcerates* the Parts it flicks to.—A Flux at
the Mouth *Ulcerates* the Tongue and Palate. See Sa-

ULIGINOUS, ULTGINOSUS, implies as much as moift, corifh, fenny. See Fan, Boo, Monasa, Se. ULLAGE of a Cask, is so much as a Vessel wants of be-

ing fall.

(I.NA) in Anstomy, a long, hard Bone in the Arm, with

(I.NA) in Middle, call'd also Feelle Majus, and Car
bian. See Ans., and Cerarres.

The Ulus lies on the inside of the Fore-Arm, reaching
from the Elbow to the Wrift; is big at its upper-end, and

gross smaller to in lower-end.

At its upper it has two Processes, which are received in-to the fore and hind Sinus's of the Extremity of the Hu-

merss. The foremost Process is small and short; the hind-most, called 'Osizeswe, is bigger and longer: it stays the Fore-Arm, when it comes to a strait Line with the Arm. Sec OLECKANO Berwixt these Processes it has a femi-circular Sinus, which

Betwist their Proceities it has a form-crucial Simit, which receives the inner Protuberance of the lower-end of the Hamerus, upon which we bend and extend our Pore-Arms; and along the middle of that there rans a final! Ridge, by which this Bone is articulated to the Hamerus by Greglymust.—Had the Articulation here been an Artivolate, the John mull have been much weaker; but the Hand could have received no more Motion from it than it has now from the Shoulder

Shoulder. The inface of this upper-end has a finall Simus, which re-ceives the Circumference of the round Head of the Radius, Its lower Extremit; which is round and finall, is received into a Snuss, in the lower-end of the Radius; and uppen this Extremity, it has a florer and finall Proceft, incom which the Ligaments which is to the Bones of the Wirth and the this Process ferred to keep the Bones of the Wirth in their Sec. ULNA, an Ell in measure. See Ell, and Measure. ULNA Ferros, is an old Law-word for the Standard Ires-il, kept in the Exchequier. See Standard. ULNAGE. See Almass.

Extensor Carpi. Sec Extensor.
ULNARIS Flexor. Sec FLEXOR Carp. ULNARIS FIGNOT. See FLEXOR Corpi.

UTFRIOR, in Geography, is apply'd to fome part of a Country, or Province, which, with regard to the reft of that Country, is fitnate on the farther Side of a River, Mountain, or other Boundary which divides the Country into two Parts.

Thus, Africa, with regard to Europe, is divided by Mount Ailas, into Gierior, and Ulterior, i. e. into two Portions, the one on this fide Mount Ailas, and the other on

that. The Word is pure Latin.

ULTIMA Baffa, q.d. laft Kiffer, is a Plurafe ufed among some Finters, for the laft finishing Touches with the Penell. See Paintino.

ULTRAMARINE, a beautiful blue Colour, ufed by the Psinters, prepared from Lapis Lazuli. See Brus, and

This Blue is one of the richest and most valuable Colours This Blue is one of the rehelt and most valuable conours ufed in Painting.—The Preparation confift in fart calcining the Lopis in an Iron Mortar, then grinding it very fine on a Perphyry Stone; then mixing it up with a Patte made of Wax, Pitch, and Oil; and at last wasfling the Patte well in clear ampany otone; men mixing it up with a Palle made of Wax, Pitch, and Oil; and at lait washing the Palle well in clear Water, to separate the colouring Part from the rest, which precipitates to the bottom, in form of a subtile, beautiful, blue Pender.

bloe Pooder.

The Water is then pourd off; and the Pooder at bottom dried in the San; which is the true Ultramaries.

The Water is the San; which is the true Ultramaries.

The Water is the San; which is the water shall be san; which was present to Coden, here within for the San; which was the san; where we want to san; which was the s that of the Sca.

Perfeix: Others iny, "the Lecture in Colour is desper than The commen Copinion is, that the Meched of making in was first dislovered in England; and that a Member of the Engl Induce Company, having a Quarter with that disloctation of the England Copinion is the Colour and well ground which is known by purning it in between the Tooks where, if it feel griny, this Sign the Trimen is not indicate, where, if it feel griny, this Sign the Trimen is not indicate, where, if it feel griny, this Sign the Trimen is not indicate, where, if it feel griny, the Sign the Total Copinion of the Copini

In France, the Opinions of the Ultramonisms Canonical, i.e. of those of Rady, are not received. The Palaters, particularly those of Hady, call all those has are not of that Country, Ultramonians; or, simply, Tramonians; Ponsian is the only Tramonians Palater that the Entition Security of Chamorians.

Indiani feem to covy. See Trancestars.

UITRAMUNDANE, UITRAMURDANE, JURamundanni, q. d. beyond

site World 5 is that Part of the Univerie, supposed to be
without, or beyond the Limits of our World, or System.

See USIVERER, WORLD, USC.

UMBELICAL. 5 ON UNBILICUE.

UMBELLA, or UNBELLA, See Panaser, UMBELLA, or UNBELLA, or UNBELLA, 
1°, Such as have a compounded Leaf, of a triangular and imate Form.—The Seeds of these are either broad, flat, pinnare Form.—The Seccis of their are either broad, nat, and plain, almost like Leaves, as the Sphondylium, Passinates Latifolia, Panas Heradeum Torkslium, Orrossliums, Asium Ciones shin, Daecun Allaticu carvifolia, Anatoma, Pacedamu, Thopfus, Frails, &c. Or with a Seed more tumid, and less compressed and flat than

ULNARIS Except, in Jausomy, a Mulcle, call'd allo the farmer; as the Calety, Integration, Conserts and Everlight Certific Conference, See Except. Carpit.

ULNARIS Except, See Except. Carpit.

ULNARIS Except, See Except. Carpit.

ULNARIS Except. See Except. Carpit.

ULNARIS Except. See Except. Carpit.

ULNARIS Except. See Except. Carpit.

Lower Country, See Except. Carpit.

Country, of Portices, Allely, with regard to the reld of Except.

Country, of Portices, which, with regard to the reld of Except.

Except. See Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit.

Except. Carpit

Undiffers, e.g., Undiffers are a Set or Affembiage of Veffels belonging to a Fattat 4 condituring what we call the Famicalus Umbificalis, or Navel-string. See Forrus, and Umbi DICALIS. These Vessels are two Arteries, a Vein, and the Urachus. The Umbilical Arteries arise from the litacks, near their

The Committee Afteries arise from the linears, notes uses Division into external and internal, and part inhence on each fide of the Bladder, thro' the Navel, to the Placenta. By the Number of Controllines, or Ganwhalfends of the Arteries in the Navel-thing, our Midwives (aperitationally reckon the Number of Children the Woman is to bave. The Combited Vein, from insumerable Capillatries united to use Tana. Adecands from the Plassant or the Liver of the October 1988.

into one trains, detecting from the Placetia to the Liver of the Festis, where it is partly distributed into the Ports, and partly into the Cerus.

The Ursebus is only plainly found in Brates; tho there is no doubt but it has place likewife in Mankind. See Ursections.

NACHUM.

The Use of these Vessels, is no maintain a Continuity and Communication between the Mother and the Estita:—Some Authors will creat have it, that the Fessis receives its Bood and Increase this way; and that is grows, like a Vegenable, from the Mother as the Rost, of which the Unibasia Vessels is the Communication of the Child the Head or Fession than Something to the Child the Head or Fession than Something to the Child the Head or Fession than Something to the Child the Head or Fession than Something the Child the Head or Fession than the Child the Head or Fession that the Child the Head or Fession that the Child the Head or Fession than the Child the Head or Fession that the Head or Fession that the Child the Head or Fession that the Child the Head or

TUS, Co.

Umbilical Region, is that Part of the Abdomen lying round about the Umbilicus, or Navel. See Abdomen, and

REGION.

Fusticulus UMBILICALIS, popularly cail'd the Navel-fitting, is a kind of String, form'd or the Unbilited Veffels, which being ty'd up in a common Coat, or Membran, raverior the Secundines, and are inferred at one end into the Placetts of the Mother, and at the other into the Abdomen of the Festis. See UMBILICAL Veffels.

the Feuit. See Unstiticat Figlet.
The Navel-ting is membranous, wreathed, and unequal jarifing out of the middle of the Abdomes, and reaching to the Placetta Universa: Tis unitally half an Elli In length, and as shick as one's Finger.—It was necelfary it fhould be followed in the State of the State of the Worming rows frong, it rulphs not break it by its forwing and tumbling about a state of the State of the Worming and tumbling status; and that after it is born, the Secuedine, or After-status; and that after it is born, the Secuedine, or After-status; and that after it is born, the Secuedine, or After-status; and that after it is born, the Secuedine, or After-status; and that after it is born, the Secuedine, or After-status; and that significant in the Secuedine, and the Secuedine Secuedaria of the Secuedaria

about; and that after it is born, the Securities, or Affects.

Birth, might be drawn out the better by the Polizenest, and the many analysis of the Polizenest and the Polizenest and the Polizenest and the many and the Polizenest and the transfer out in Boats, and from those paths on the "Dietrast." and there are now in Boats, and from those paths on the "Dietrast." and the Polizenest and the Company of the Polizenest and the Company of the Polizenest.

The Navel is that the "Offsit, single volvanticial, a Vision and Dietechno, become perfectly ulacid, in "Fifter"; and day-fairly and d

ing up, become in fufpend the Liver.

UMBILICAL Points, in Mathematicks, the fame with Foci. Sec Focus

See Forces.

UMBLICUS, the Nature, in Anatomy, the middle of the Mid-part of the lower Venter, or Belly a being the Plate the More of the Middle of the Middle of the More of the Plate to the Plate to the Morker.

The Word is pure Latin, farmed of Unite, the little banch in the middle of a Buckler, by reading the rechainson to the Navel. See UNAILLEA VORM.

PLUSTATION, IN Mathematich, the faime with France. See Plustations on Mathematich, the faime with France.

Focus.

UMBONE, or Hern, a mong Horith, fignifies any pointed Soyle, or Hill, in the middle of a Flower. See First L.

There is also a Goldmen call dadappanted, or byparel.

There is also a Goldmen call dadappanted, or byparel

fine point, in which Colic is tremed, an United childed

finary Point, in which Colic is tremed, an United childed

finary Point, in which Colic is tremed, an United Child

finary Point, in which Colic is tremed, an United Child

UMPIRE, a that of Fefan, cholefin to decide a Controverfy

let to an Arbitration, in case the Arbitrators Bould not agree. See Abstrators.

This, fome call a Sur-Arbitrator.
Minflow supposes the Word form'd of the French us pere, UNCASING, among Hunters, the cutting up, or flexing

of a Fox.

ci a rox.
UNCIA, a Term generally us'd for the twelfth Part of a
Thing.—In this Senie, the Word occurs in Latin Writers,
both for a Weight, call'd an Onner; and a Measure, call'd
an Luch. See Owner, and Incin; fee also Warour, and MEASURE.

MANNAY.

MAN

the Rule is,  $1 \times \frac{4-0}{1} (=4) \times \frac{4-1}{1} (=6) \times \frac{4-1}{1} (=4)$ x4=3 (=1); which shows, that the Uncide are 1,4,6,4,1. See Polygonal Number.

See FOLTOGRAD, Number:
Or thu: The Terms of any Powers are compounded of certain literal Fadimus, with Numbers call'd Unite, profits, as the Fadimus are found, by making two Geometrical Progretifions; the first of them beginning from the required Power of the first part of the Root, and ending in Unitry, and the fecond beginning with Unity, and ending in the required Power of the fecond Part I Thus, for a fixth

now required Fower of the feecad Part: Thus, for a fixth Power of  $a^+b^+_a$   $a^+_a$   $a^+_a$   $a^+_a$   $a^+_a$   $a^+_a$  fifth Serice,  $a^+_a$   $b^+_a$   

The Uncide, then, are found by writing the Exponents of the Powers of the fecond Series, i.e. of b, under the Exponents of the Powers of the fecond series, i.e. of s<sub>2</sub> and taking the first Figure of the apper Series for the Numerator, and the first of the open series for the Numerator, and the first of the lower for the Denominator of a Fraction, which is equal to the Union of the fecond Power 3 and fo for the rest. Thus, for the fixth Power we have,

Accordingly, 6 = 6 is the Uncis of the second Term of the fixth Power ; 6.1 = 30 = 15, the Uncia of the third Term ; 5.5.4 = 110 = 10, the Uncis of the fourth Term ;  $\frac{6.5, 4.3}{1.134} = \frac{6.5}{1.2} = \frac{10}{2} = 15$ , the *Uncis* of the fifth Term;  $\frac{1}{6}, \frac{1}{6}, \frac{1}{16}, \frac{1}{6},  6 1 4 3 5 1 = 1, the Uncis of the last Power. See Pr-RAMIDAL Numbers.

UNCIAL, UNCIALIS, an Epithet which the Antiquaries give to certain large-fiz'd Lerters, or Characters, antiently us'd in Inferiptions and Epitaphs. See Letter, Cars-

with in Indiription and Epitarphs. See Layran, Cara-Tack, Eff...
The Word is form I from the Lain Unitia, the reselfsh Pare of any hing; and which in geometrical Monline fig-lare of any hing; and which in geometrical Monline fig-lare of the Cara-factor of the Cara-factor of the Cara-factor of the Cara-pers, and the Ca

and that there was mone to receive a some time to be greatly to pay the fame.

UNCTION, the Act of anointing, or fracering with Oil, or other fatty Matter.

Mercarial Unction, properly applied brings on a Saliva-

Mercanial Unicion, property applied usings on a Sauvastion. See Salivastion.

The Surgicons care divers Wounds, Uleces, &c. by repeated Uniform with Oils, Unguents, Cerats, &c. See Oils,
UNOURNY, LINIMANY, &c.

The Religion is unfel first the Charge.

UNOUENT, LINIMBER, Ed. UNETIME OF Religion, is used for the Character conferd on facred Things, by anointing em with Oil. Such is the Unstitute of Kings, Prophets, Priedis, Ge.—The Unstitute of Kings is supposed to be a Ceremony introduced very tax among Christian Princes: Onsphrius fays, none of the Emperors were ever anointed before Julius and Admirate Prophets. or Jufun. The Emperors of Germany took up the Pracrice from those of the Eastern Empire.-King Pepin of France was the first King who received the Uniform. See

Coronation.

In the Romallo Church, befides an Unclion at Baptism, on the Ferchead, and at Confirmation, on the Head; they have an Extreme Unclion, given to People in the Pangs of Death, on the Parts where the five Senier refide, being the Parts by which the Person might have fined. See Extreme

ORCITAL
UNCUTH, q. d. anknown, is used in the antient Surves
Laws, for him that comes to an Inn, Guest-wise, and lies
there but one Night: In which Case, his Holi was not
bound to answer for any Offence he committed, whereof he
was guiltied himself.

— Prima nelle potest dici Uncuth, secundo vero, Guest, tertia nelle Hoghenchine. Bratton, Lib. III. See Trump Night sum Hine.
UNDECAGON, is a regular Polygon of cleven Sides.

See Porroom.

UNDECIMVIR, by the Greeks call'd OIENAEEA, and by Jul. Pollus, Eparebs ; a Magifrate among the antient Athenians, who had ten other Collegues, or Fellows in the

fame Poil. The Euclidean of the Undeciserist at Alvent, were much the fame as thole of the Process to Marcolomyle in France. The Euclidean State of the Euclidean State of the Euclidean State of Indiana, when they are contained, took 'em again into Calledy, that the Science only to Calledy, the Calledon State of the Euclidean State of the Eucl

own: And as the Number of Tribes after Calliflheres was but ten, which made but not playable, a Scribe or Notary was added, which made the Number eleven: Whence their Name Olfshalfa, or Undecimieri, as Cornelius Notes calls cm in the Life of Phecion.

em in the Life of Phesicon.

UNDEE, or Unwy, in Hersldry. See Ways.

UNDER str. See, in the Sea Language.— A Ship is faid
to be for when the lies fill; or waits for tome other Ships,
with her Helm la fined, or ty'd up a Lee.

UNDER SEPRENT.—Dillikal from the upfer, or apparent
Convent of the Seas. Some Naturalific conclude, there are

in divers Places Under-Currents, which fet or drive a con-

in diverse Piaces Under-Currents, which het or drive a com-tractive to the Care Rein Piace I Tempellions, beings the Hyorhesia of Under-Current to false that transfalls Piace nonconea, the Sex's feeting through who the Streight into the Mediterranean, with a continua Current so Leogue bound—What Rouid become of the vall Quantity we ter poord in this way, as also, of that running from the too the Articles and the Care Rein Piace I and these too the Articles 2, i. a. S. Set Media Piace and these too the Articles 2, i. s. S. Set Media Piace I and these Euxine, thro' the Befeborus into the Hellefront, and thence into the Arctifeldage, is a Speculation that has long em-ploy'd the Philosophers. This Author's Conjecture is, That there is an Under Cur-rent, whereby as great a Quantity of Water is carried out

as comes in,

and touch in the confirmation of the North and South Foreland, it is either high or low Warer upon the Shore three Hours before it is fo off a Sou : A certain Sigo, that the the Title of Flood runs aloft, yet the Title of Elb crus ander foot, or clock by the Ground.

EDO rais under-too, or clote by the Ground.
He adds an Account from an able Sailor in the Baltick
Sound; that going with their Pinnace into the middle Stream,
they were carry d violently sway by the Current But that finking a Bucket with a large Cannon Bullet to a certain Depth
of Water, it gave check to the Beat's Motion; and finking
it fill lower, the Boot was driven a head to the Windward. against the upper Current, which was not above four or five

against one upper Fathom deep.

Dr. Halley Solves the Carrent's fetting in at the Streights, without overflowing the Banks, from the great Evaporations; without supposing any Under-Current. See Varous, and

EVAPORATION.

UNDER "Mood, is Coppiec, or any Wood that is not accounted Timber. See Coppier, and Timber.

UNDER Chamberlain of the Euchopuer, is an Officer there that cleaves the Tallies, and reads the fame; so that the Clerk of the Pell, and the Compression thereof, may fee that the Entries are true. See Excengues, Talky. PELLS, Ec.

He also makes Searches for all Records in the Tressury, and bark the Cattody of the Doomiday Book.—There are

two Officers of this Name. UNDER-Treasurer of England, Vice-Thefaurerius Anglie, an Officer mention'd in the Stat. 39 Eliz. and whom leve-ral other Statutes confound with Treasurer of the Exchequer.

Sec Exchaquas In the Vacancy of the Lord Tressurer's Office, he did every thing in the Receit, that the Lord Treasurer himself does. He also chefted up the King's Treasure at the End of every Term, and noted the Content of Money in each Cheft, and law it carried to the King's Treasury in the Torrer, for the ease of the Lord Treasurer, &c. See TREASURER.

UNDER-

### UND [ 323 ] UNI

Under-Sheriff, Sub vice comes. See Sheriff. Under-Setter, is an Immate. See Immate. Under-Tarens, were antiently fuch Persons as were

employ'd by the King's Purveyors, and acted as their De-

At present, the Name is chiefly used for Upholders, or Persons who fureish our Fancrais: And for such as under-take any great Work, as the draining of Fens, &c. Seat.

43 Elis.
UNDER-MINING. See SAFFING.
UNDERSTANDING, or Intellief, is defined, by the
Peripatericks, to be a Faculty of the reasonable Sonl, conversant about incelligible Things, considered as intelligible. See FACULTY and Soul.

See Paceury and Sour.
They also make it twofold, wire. Aftire and Peffire.
Aftire Understanding, they hold, that Paculty or the Seal by which the Species and Image of intelligible Things are framed, on occifion of the preferee of Phanathus or Appearance thereof.—For maintaining the Intellect to be Immaterial, they hold it impossible it fhould be disposed to naterial, they have it impounds it finand be dispoted to think by any disproportionate Phantaims of mere Body, and therefore is obliged to frame other proportionate Species of it fell 1 and hence its Denomination active. Pellive Understanding, is that which receiving the Species

Possive Understanding, is that which receiving the Species ramed by the Astron Understanding, breaks forth into actual

Knowledge, See Knowledge.

The Moderns fet afide the Peripatetic Notion of an affice Understanding .- The Cartesians then define the Under-Handing to be that Faculty, whereby the Mind converfing with, and as it were intent on, itself, evidently knows what is true in any thing not exceeding its Capacity. See Jung-

The Corpugular Philosophera design the Underfluing to be a Faculty, expensive of Tainey which thick mathematics and Sensies, either by their Images, or their England, conner the Mind—Their great Dockine is, Nikhi esse on the Endelding under non-trips special signs set of the Dockine our Emons Mr. Locke, and mott of our latest Englass Mr. Locke, and mott of our latest Englass Philosophera felderiches.

phera fulferibe.
The Cartificat cry out aloud againft it, between whom and the Cartification of there is this fairfier Difference, that and the Cartification there is this fairfier Difference to the contract of the contract of the Cartification of the Hance, according to the mod approved opinion of the Hance, according to the mod approved opinion of the Graphiantonian, the Underfloading to the Cartification of Perception and Tadeguests, according to the Cartification of the Cartification

Péresties and Judgment 3 conciling us the Carreform only one, tie. Pérestynia. See Paracuryus. 
Frien Merc. See Wayn.

This Distances Works. If the Liquid he feators and supplies the College of the College have been considered upon throwing. Strategy and the coldered upon throwing. Strategy and the place of the College of the

and than the Fetter of the Liquid are alternately stud one despetify, and that creativity. When a Stone is thrown line the Liquid, the reciprocal Vinteriors are more configenous: Here the Water in the Vinterior are more configenous and the configence of the Rebound, till it comes to full gain, gives an Impulie to the adjaining Liquid, by which means that illevely studied about the place of the Stone, as about a Corner, and ferms lample to the Flaid next to it. Enging, gives another lample to the Flaid next to it. Enging, gives another which Ekewife rifes in a Circle; and thus, facceffirely, which Ekewife rifes in a Circle; and thus, facceffirely, when the Circles are prefenced.

which likewise ruce in a circo; and thus, successively, greater side greater Griefs are produced. Undulatory Mation, is likewise applied to a Motion in the Air, whereby its Parts are agitated after the like manner as Waves in the Sea; as is inprofed to be the Cife when the String of a muffeal Influence is firek. See

CHORD.
This Undulatory Motion of the Air, is supposed the Matter or Caufe of Sound. See Sound.

tet or Caule of Sound. See Sound,
Inflead of the Unadlatory, Some Authors chuse to call
this a wirstory Motion. See Yurkarion.
Understron is also ledd, in Chirespery, for a Motion
ensuing in the Matter contained in an Absens, upon squeezing
it.—A Tamor is fail to be in a condition for opening, when
one precives the Undulation. See Tuxons. See Tuxons.

UNGELD, in our antient Customs, fi Frithmen, i. c. Himo pacis, figles & repognet, & fe main indicare; fi occidator jaceat Ungeld, i. c. no pecuniary Compensation Huno pacis, freget & repognet, & se ment matters, se necessaries peculiary located. Ungeld, i.e. no pecunity Componition shall be made for his Death, Skinner,—Capitle sker, mentioned in grampoon, has much the sime Signification, viewhere any Man was kill distributed by Felow, he was to lie in the Field abustical, and no pecunity Componition to be made for his Death. From the Seven, an, without, gilds

be made for his Death. From the Scorn, on, without, glidd fidents of evers, eyer, Field.

LVGUENT, Deoraserus, in Chiraspery, a topical LVGUENT, Deoraserus, in Chiraspery, a topical and Ulkars. See Movens, Ed. Uny seast, Linimous, and Ceras, are external forms applied and sires Ferra of the Body, both to care, and to cell and relieve fem.—They only differ from each other in dumn beine filler from Linimous, but fifter than for the dium; being stiffer than Limineuts, but folier than Cerats.

common medical programs and programs and the con-ception of the control of the control of the con-ception of the control of the control of the con-ception of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control o

UNGUIS, a Latin Term, fignifying a Nail of the Hand or Foot. See Nam.
UNGUIS, in Medicine, a Difease of the Eye, occasion'd One of the Lye, occasion the sense of the Lye, occasion the sense of the conjunctive, beginning at the great Casthus and fireading infentibly till it reach the

The ordinary Caufe of the Unguis is an excessive Acrirmony in the Tears, which corrode the Conjunctiva, as is often the Cale in an Opticalmia, or after the Small Pox.

The Greeks call it Algoyav. See Ptersum.

Untous, in Anatomy, is applied to two Bones of the Nose, being as thin as Scales, and resembling the Nail; whence their Name. See Nose.

The Ungues are the imaliest Bones in the upper-Jaw, and are fituate close to the great Canthus of the Eyes. See MAXILLA

Some Authors call them Offa Lachrymalia, but impro perly; there being no Glandula Lachrymalis in the Canthus Others call'em Orbitaria Offa.

They are contiguous to four other Bones, viz. the Coro-Ethmoides which forms the O.bit.

Uncurs, or Unquiculus, among Botanifts and Florifts, is a little Speck, of a different Colour from the reft of the Peta-

ls, or Leaves of Flowers. See Petala.

It has the figure of a Nail of the Hand: Its place is at the Origin, or Root of those Leaves; as we see in the Rose, Origin, or Robi of those states,

Poppy flowers, and divers others.

In preparing of Medicines, the Unques, or Unquienti, are pull doff the Flowers that enter the Lame.

Unguis Odoratus. See Blatta Bizantia. UNGULA, in Gometry, is the Section of a Cylinder cut off by a Plane patting obliquely thro' the Plane of the Bate, and part of the cylindrick Surface, Section to UNGULA, in Natural Hilbery, the Claw, or Hoof of a

Quadruped. See Hoor

Quadruped. See Hoor.

Liverat., simcg Surgeons, a feer of hooked Informers

Universt., simcg Surgeons, a feer of hooked Informers

Universt., simcg Surgeons, a feer of hooked Informers

UNIVORN, in Navarie Hilliony, an Animal timous among the Greek Authors, under the Name of Moustiffy, and

university. English, Previous, &c. under those of

University, University, English, Previous, &cs. under those

University, University, English, Previous, &cs. under those

University, University, English, Previous, &cs. under those

University, University, and Un

All their Names it rakes from its dittinguilling Characteritic, the having one Horn only, which is repreferred as five Palms long, growing in the middle of the Forehead.
This Animal claims a place here, not only as it makes a curious Article in Natural Hiftery, but allo as it familifies Comments and Market Natural Hiftery.

curious Article in Natural History, but allo as it families fomething to Medicine, Commerce, and Heraldry.

The popular Account is, that it is about the fize of a Horfe, its Hallis float and of a dark-brown colour; wery timerous, and therefore keeping modily in the Woods; and that its ture Piace is the Province of Agost in the Kingdom that his true Place is the Province of Daws in the Kingdom of Damstes, in Eshiopia.

And, Marin, a learned Physician of Venice, has wrote an express Treatife on the False Opinion of the Unicorn.

UNI

UNI GRIB Author, according to Thiny, who wrote of the Universe, was one Creftin, whom Artifalis mentions as a vo-fame I y fulpicion. Another. Alkina only fresh of it in very doubt-ment. In I was the control of the Co full Terms. The other Authors on the Subject are Pobletises, and Solims; Zhenes Sylvania, who is Pope Plus II.
Marcust Faulus, Michin, Grifaer, Gercies ab Herra, Rec.
Of theids, fome day is relembles a Hofe, others and Sothers a Goat, by its Bleard; schen as Elephan, others a
Rhinoccroe, others a Grey-hound, 45c. aphilibious Animal,
and its Horn to be movable at pelesier. Others make all

ame us from to ne moveable at pleafore. Others make all its Strength to condiff in its Home, and add, that when par-faced by the Hanters it precipitates ins fell from the tops of the highest Rockle, and pitches upon its Home, which fullatin the whole Effort of its Fall for that it receives and change thereby. In effect, the devent lauthers do all give foverain Accounts of the Figure and Colony, both of the Animal and of its Horn, and all its Farts.—And hence the more knowing among the Moderns do unanimoufly hold it a

The Legend adds, that it is wonderful fond of chafte Per fons; and therefore, in order to take it, a Virgin is placed in its way, whom when the *Unicaru* spies, he lies down by her, and lays his Head on her Lap, and so salls a sleep; upon which the Virgin making a Signal, the Hanters come in and take the Bealt's which could never be caught any other way, because it would either cast it felf head long from a

Rock, or did. What ordinately paffes among us for Unicorn's Horin, and is fixem for fach in the Collections of Cariofities, and ofod for fach by tweetl Phyticians, we are affared by Percypra, in his Account of Greenland, to be the Tooth of a large Fifth of the Whale Kind, call'd by the Islanders Narvasi's, and, in other Places, Walrast and Rebart; frequent enough in

in other Fixen, FRITTH and ARRENT, 3 AVENUE THE PROPERTY OF TH

fittle It with fach violence as even to pierce the Side of a trough built Ship. Trough built Ship. The Charlest Ship of the Ship of the Ship of Ship o different from each other.

all different from each other.

The Antiens held the Uniform? Horse to be a Counterpolion, and, that the Animal soft to dip it in the Water, to purify and feweren it ere it would drink: The added, that for the fame reason other Bealts wait to see it drink before 'em. Thence, as also from the Ratity of the Thing, People have taken Occasion to attribute divers medicial

Vertues thereto, Vertues thereto.

But Amb. Park has proved it a mere piece of Charletancry,
and all the Virroes attributed to it to be falle; and yet the
Price it has been is almed incredible: Ambate Race, a Phyfician of Florence, affirm, the Found of 16 Cunces, to have
been fold in the Apothecatics Shops for 136 Crowns, when
the fame weight of Gold was only worth 148 Crowns.

UNICORN, in Heraldry, is represented passant, and some-mes rampaus: When in this last Action, as in the English Arms, it is properly faid to be faillanti, Argent: an Umeorn feint fable, armed and unguied, Or. Borne by the Name

Harding. The Unicarn is one of the Supporters of the Arms of Eng-See Surrouten

Mand. See SUPPONTEN.
UNIFORM, Unconstant being to be finding.
UNIFORM, Unconstant being to be finding.
UNIFORM, Unconstant being to the finding to be finding.
Figure, firstellare, Proportion, and the like—In which fame is thank opposed to Difform. See SUPPONTEN.
UNIFORM, or Figure 18 Passion. See Morrison.
Uniform, or Figure 18 Passion. See Morrison.
Figure all a remain having their fore and back-parts of the their figure all areas having their fore and back-parts. However, the second of the second their parts of the second the second their parts of the second the second their parts of the second their parts of the second the second their parts of the second the second their parts of their parts of the second t

UNIFORMITY, Regularity, a Similitude or Refemblance herween the Parts of a Whole.—Such is that we meet withal in Figures of many Sides and Angles respectively equal and aniwerable to each other. See Reeulan.

A late Ingenious Author makes Beauty to confift in Uniformity, join dor combined with Variety. See Beauty.

Where the Uniformity is equal in two Objects, the Beau-ty, he contends, is as the Variety; and where the Variety is equal, the Beauty is as the Uniformity. See Deformity.

UNIFORMITY, is particularly used for one and the fame Form of Public Prayers, and Administration of Sacraments, and other Rites, &c. of the Church of England, preferibed by the famous Stat. 1 Eliz. and 14 Car. II. call'd

UNION, a Junction, Coalition, or Affemblage of feveral hings in one.

Philosophers are exceedingly to seek about the manner of

remotopuers are exceedingly to leek about the manner or the Union of Soal and Body, or by what Medium it is that two fach heterogeneous Beings are kept to clocify together.—This one of the great Laws of this Union, that fach and fach as Imprefilion on the Beain be follow d by fach and fach as Cenfixin, or Perception in the Soal. See Soat, Sa.884— Tion, Motion, &c.
Union, in an Ecclefishical Sense, is a combining or confolidating of two Charches into one. See Church, Bene-

FICE, CONSOLIDATION, &c. This is not done without the Confent both of the Bifhop, the Patron, and the Incumbent. See Patron, &c.

The Canonits diffinguish three kinds of *Union*, that of Acceffion, that of Confusion, and that of Equality.

The *Union of Acceffion* is the most usual; by this tho united Benefice becomes a Member, and acceffory of the

Principal.
The Union by Confusion, is that where the two Titles

are suppress'd, and a new one created include In the Union of Equality the two Titles fabilit; but e-

In the Union of Equality the two Tunes unsum, you qual, and independent. It is enacted, That an Onion, or Development of the Confolidation of two Churches may be admirted, powrade the meanal Value of one of them, in the Kinge Books, don't exceed of a not the distance between them, be not accorded a fast the distance between them, be not accorded. That the Union of two Churches or Chaptels in any City or Town, flash by valid, active the Value of the Charches, fo united, exceed to 0.1.

any City or I own, that it evans, affects our varies as Uses, or the Vertice by way of Brainness, is predictally yield, simming as, to expert the AR wheeley the two for-tions or the Vertice by the AR wheeley the two for-tions one, where the Title of the Kingson of Great British. This hardy Union, in via attempted by King Jones I, was a being effects in the Xer 17-19, by the general Con-traction which could be the Contract of Contract and the Con-The AR, or Trany of Union, confide of Twenty-See Articles which coince a Bogid Committees and element Argula, 1916. The Furtherness of Sections' approach is on the shade of Primary, 1917) and the Furtisisment of Ex-following, the Opera weath or Parliament, where the sp-perced fine from Tarray, with the AR of Bartisians of Ex-following, the Opera weath or Parliament, where the sp-perced fine from Tarray, with the AR of Bartisians of Parliament for the two Kingdoms: The Secular Parliament is imported, or, after input and one English, both or English, both or English.

is suppress'd, or, rather super added to the English, both of them only constituting one, under the Title of the Parlia-

ment of Great Britain. The Number of Members which by the Articles of the Union the Scots are to fend into the House of Commons, to represent the Commons of that Country, are 45; and the Number of Peers whereby their Peerage is to be represent-

The great Officers of the Crown of Scotland, before the Union, were the Lord High Chancellor, Lord High The-faurer or Treasurer, Lord Privy-Seal, and Lord Register. Their leffer Officers of State were, the Lord Register, Lord Advocate, Lord Thesaurer Depute, and Lord Justice-

The four first Officers are distolv'd by the Union, and in-ead thereof new Officers are crefted, ferving for both The four first Unicers are disloyed by the Unicen, and in-flead thereof new Officers are erected, ferving for both Counties under that Title of Lord High Chanceller of Great Britain, &c. See Crancellor, Treasurer, &c. The four latter Offices fall fishfit. See Advocate,

REGISTER, &c. UNION, in a philo ophic Scafe, is afed, by Dr. Green, for UNION, in a philosophic Senfe, is ated, by Dr. Green, reconc of the three ways of Mixture; being the Joining to-ther of Aroms or infentible Particles so as to touch in a Plane, as is supposed to be the Case in the Crystallizations of Salts, and the like Bodies. See MIXTURE, CRYSTALLISA-

TION, &c. UNION Pearls, are fuch Pearls as grow in the Couples ;

UNION-Peerli, are fuch Pearls as grow in the Couples; the bettliff or of Pearls. See Paarl.
UNION, in Architecture, is particularly used for a Harmony between the Colours in the Materials of a Building.
UNION, among Painters, expresses a Symmetry and Agreement between the feveral Parts of a Painting; when, e.g. there is a deal of Relation and Connexion between them, both as to the Figures, and the Colouring: fo that they ap-

pani so the Figures, and the Concurring: so that they apparently conflict to form one thing. See SYMMETRY.
When this Union is finely manual, fone call it Statesiy,
UNISON, in Musick, is the Effect of rew Sounds, which
are equal in degree of Tune, or in point of Gravity and
Acustredis. See Tune.

Or, Unifon may be defined a Conforance of two Sounds, produced by two Bodies of the fame Matter, Leogth, Thicknefs, Tendon, ogually thruck, and at the fame time; to that they yield the fame Tone, or Note. See Norz.
Or, it is the Union of two Sounds, fo like each other, that the Ear perceiving no difference, receives them as a

the lame sound. See Sound. What conditions of the Num-ber of Vibrations of the two fonorous Bodies in equal Times: Where there is an Inequality in that refrect, and of confe-quence an Inequality in degree of Time; the unequal Sounds conflicted an Interval. See Interval., and Viraa-TION.

TION. Unifon is the first and greatest of Coucords; and the Foundation, or, as some call it, the Mather of all the rest: Yet some closely it to be any Coccord at all j maintaining it to be only that in Sounds, which Unity is in Number. See

Others reftrain the Word Concord to Intervals, and make it include a difference of Tune; but this is pressrious: for as the Word Concord fignifies an Agreement of Sounds, 'tis

as the Word Omero's figuration as Agreements of bounds, us controlly applicable to Unified in the first degree. But the Unification on Equality of Tune, makes the only perk Agreement of Soual, it is not rure that the only perk Agreement of Soual, it is not rure that the special control of the Agreement of Soual, and are the most agreement of Soual, and any of Tune, they are the most agreement of the Agreement of Soual are the Soual So than the Equality or Inequality of the Number of their Vibrations. See Conconn.
"Tis a fam'd Phenomenon in Mufick, that an intense

This a family Phenomenon in Mufick, that an intentic Sound being railed, either with the Voice or a foncous Bo-dy, another foncous Body near it, whose Time is either U-without on Chave above that Sound, will Sound its proper Note Unifon or Oktave to the given Note.—The Experiment is easily ray dby the Strings of two Instruments, or by a Voice and a Harpschord, or a Bell, or even a drinking 211.6.

This our Philosophers account for thus: One String being flruck, and the Air put in Motion thereby; every other String within the reach of that Motion, will receive forme Soring within the roach of that Motion, will receive from lappeding therefore. Bee each foring an only move with purposition therefore. Bee each from the Whethers, and all properties therefore the control of the state of the control for the control from each in control of the control of the forest Concord from other Proportions. The Capills Strong, then, keeping copial pose with the founded String, as have continued and till improved, dill in Month become feafility, and it give a dilunch Sounds. Other concording Strings have the control of the control of the control of the control of the founded of the control of the control of the dool of the lounded String; The Chite, therefore, much motion prevenue any effect.

famility, then the fifth; after which, the creding of the Motions prevens any effect.

This they illustrate by the Pendatum; which being for This they illustrate by the Pendatum of and augmented by making frequent, injust, concident of the Pendatum of the it when the Vibration is just faulfuld; But I is the towards by any credi or opposite Motion, and this, too, frequently a the Motion will be interruped, and carfo integenter—So, the Motion will be interruped, and carfo integenter—in-ternation of the Pendatum of the Pendatum of the Motion will be interruped, and carfo integenter—in-ternation will be interruped, and carfo integenter—inmonitories Monitor by the Air to the editor; and kning consistential in their Whiteston, that is, faithing them precible immediate and height seems to be a support of the consistent and the properties of the first process of the first proce municates Motion by the Air to the other: and being equi-

SOCINIANS, ECC.

Social San, & E.

UNIT, Usurt, in Arithmetick, the Number One; or one footb, inslividual Part of different Quantity. Soc Neutsuch is outerned towards the right hand, in called the Place of the content of the Content of the Content of Unites. Soc Neuranarrow. Number, in general, is by Pacified defined to be purely were revers, a Multitude, or Aggregate of Unites; in which Sende Christy in not a Number. Soc Uniter; in which Sende Christy in not a Number. Soc Uniter; in which Sende Christy in not a Number. Soc Uniter; in which Sende Christy in not a Number. Soc Uniter; in which Sende Christy in not a Number. Soc Uniter; in which Sende Christy in not a Number. Soc Uniter; in which Sende Christy in not a Number. Soc Uniter; in which Sende Christy in not a Number. Soc Uniter; in which Sende Christy in not a Number. Soc Uniter; in which Sende Christy is not a Number. Soc Uniter; in which Sende Christy is not a Number. Soc Uniter; in which Sende Christy is not supported the Part of the Number. Soc Uniter; in which Sende Christy is not supported the Part of the Number. Soc Uniters in which Sende Christy is not supported the Part of the Number. Soc Uniters is which Sende Christy is not supported the Part of the Number. Soc Uniters is which Sende Christy is not supported the Part of the Number. Soc Uniters is which Sende Christy is not supported the Part of the Number. Soc Uniters is not supported the Part of the Number. Soc Uniters is not supported the Part of the Number. Soc Uniters is not supported the Part of the Number. Soc Uniters is not supported the Number. Soc Uniters is

UNITY, the Abitract or Quality, which conflitutes or denominates a Thing unum, or one.

The School Philotophers generally define Unity, by a

The School Philotophers generally define Unity, by a Thing's being undivided in it felf, and divided from every thing elfe—Others, more accurately, define it, a Mode of Being, whereby it agrees to any particular being, once; and

The work hads of Unity, viz. Unity of Simplicity, which make two Kinds of Unity, viz. Unity of Simplicity, which would had a land individuely a last in that of God, Amelia under high a land of God, Amelia under God, and the season of divers Paris i facilities for God, and the season of divers Paris i facilities for Min, Sector, as conflicted on the Company of the

an University, &c.

"Its disputed among Mathematicians, whether or no Unity
y, &c.

"Its disputed among Mathematicians, whether or no Unity
to a Number,—The generality of Authors hold the Negative 3 and make Unity to be only inceptive of Number, or
the Principal thereof; as a Point is of Magnitude, and Unity
to the Principal theory of the Principal through through the Principal through through the Principal through the Principal through through the Princip

of Concord.

Stevums is very angry with the Maintainers of this Oplnion: and yet, if Namber be defined a Multirude of Uniter
join'd together, as many Authors define it, via evident Unity
is not a Namber. See Namara.

Unity, among Divines.—The Romanifit and the Reformed dispute whether are so the Charch be one fingle Bo-

dy, all the Members whereof are join'd together, either really, or in Inclination; so that whitever does not appear really, or in localization 1, so that white the white his what they call the *Unity of the Church*; and which the *Roma-*nifts maintain is refirated to one fingle Society, or one Communion, under one vifible Head; and out of which the Protoftants are excluded.

teilmar are excusted.
Thefe laft, on the contrary, hold, That the Unity of the
Church may fill fubfill, without being united under any one
vifible Head; it being fufficient that all Chriftians be unlted by the Bonds of murual Love, and Chrifty; and that
they be agreed in the Fundamental Points of Religion.
All the Judgette is to 8 whose stafe through greater and

All the difficulty is to fix what those Fundamentals are a fome including to make the Door of the Church wider than others. See Toleration.

UNITY, in Poetry .- In the Drams there are three Uni-

Univer, in Poetry—In the Drame there are three Uniters to be observed; the Universal Addison, that of Times, and that of Place. See Da.Adison, that of Times, and that of Place. See Da.Adison and almost easy Unity, is that of the Addison—Some regard, indeed, ought to be had to that of Times: That of Place there is no cross for. The Unity of Character is not recond among the Uniters. See CHARACTER.

Granderna.

The Guny of the Demant's Allien, confid in the Huisy
There Guny of the Control of the Dunger in Taggedy and thin of colors of the Tagge of the Control
of the Control of the Control of the Control
of the Control of the Control
of the Control of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the Control
of the

net could be first Chap of the Hern, we have converse, these for Charledon and Manner; the chief to Creambanes needing by hence. The Dairy of Men, requires that there be challenged by the converse of the Charledon and Dependencies. See Hean, Massertan, 185.

If My sillings three Things requires, there is The first, and Greened of the Addio, and which is a sureal Manner of their Body. The Scond, that their Epitodes and Menner of the Body. The Scond, that their Epitodes and Menner of the Body. The Scond, that their Epitodes and Menner of the Body. The Scond, that their Epitodes and Menner of the Body. The Scond, that their Epitodes and Menner of the Body. The Scond, that the Epitodes and Menner of the Body. The Scond, that the Epitodes and Menner of the Body. The Scond, that the Epitodes and Menner of the Body. The Scond, that the Epitodes and Menner of the Scott Menner of th

the Body, and as usualtin a rart.

The fame excellent Critick examines the Annia, Iliad, and Odoffer, with refrect to thefe Rules, and finds can tirely observed—indeed, it was from the Conduct of those divine Forms, that he took the Hims of the Rules themselves. Instances wherein these Rules are all neglected, he gives us Statius's Tiebaid

in Status v Velband.

To the Carus of Time it is required, in the Drama, that
the Aktion be included in the Space of a Day,
driftlet fays expectly, I tund not exceed the Time the
Sun is making one Revolution, which is a Natural Day,
under pain of Irequiarity Some Criticks will even have
it included in the Space of twelve Hours, or an Artificial

Day.
Indeed, the antient Tragic Poets formetimes differed in many of cm

Indeed, the antent Iragie Poets formeinnes dispende with his Rule 3 and the modern Delight one many of 'em difallow its few of 'em pacific lt.

In the Epic Poem, the Unity of Time is thill less effabish di in effect, there is no fixing the Time of its Duration 3 in regard, the warmer and more violent it is, the left
and the in Continuous C Whence it is that the Irid, reperfecting the August of Arbeits, only contributory force when

Days at most; whereas the Action of the Odyffee holds eight

Years.
But the length of the Poem Ariflotte gives us a Rule for ; which is that it be fuch as it may be read over in one Day: pretending, that if it exceeds that compass, the Sight will be bewilderd in it, and that one can't see the End, without having left the idea of the Beginning. As to the Unity of Place and Scene, neither Horace in

Ariffette give us any Rules relating thereto.—It were to be wish'd, indeed, that what is presented to the Audience on the fame Stage, which is never shifted, might be supposed to have pass'd in the same House, and the same Apartment. our at such a Confirmint would cramp the Port too much; and as such an Uniformity would fair very ill with abundance of Subjects, it has been agreed that what paties any where in the fame Town or Gire, thail be allowed for Unity of Place—At least, it was different. Place the sunwoldshie a ver the Place is never to be chang'd in the fame Act. See Scans.

Scame. Unity of Policifica, in Law, fignifies a joint Policifion of two Rights, by leveral Titles: Thus, if I take a Leafe of Land upon a certain Rear, and afterwards buy the Fee Simple; this is an Unity of Policifica, whereby the Leafe is extinguished; by reafan I, who before had only the Occupion for my Kent, am now become Leaf of the Jame,

neanogenin c: ny real-ni, wao cenee had only the Occuption for ny Keet, m more become Lead of the Innegraphine from the Constitution of the Co but the Authority of the rest must be diminish'd. See Br-

SHOP, ORCUMENICAL, &c.
An Universal Dial, is that whereby the Hour may be

ZO UNIVERSAL ZOAL, is that whereof the Hour may be found by the San all over the Earth; or under any Elevation of the Pole. See Daat.

There are as O University Infruments, for measuring all kinds of Diffunces, as Helghis, Lengths, EG. call'd all Pastometers, and Helometers. See Pastrometrya.

Several learned Authors have had it in view to establish an Universal Character; by which the different Nations might understand each others Writings, without learning

might understand each eelerst Writings, without learning their Language. See Grana.exers. Book, in other Complex Universalization, International Conference on the Medical Conference on the Medical Conference on what produces one only Conception in the Mind, and is a simple chief gridgeling many as a Human Stauser, which exclude the Conference on the Medical Conference on the Conference of Conference on the Conference of Conference on the Conference of Conference on Conference of Conferen

CAUSE, &c. Univerfals in distributing, such are common or univer-

fal Signs; as all, sone, &c.
Univerfals in knowing, which know all things; as the Understanding, &c.

Undershading, 15c.

"Diverbli in reviplating, Such are Images, or Ideas of univerbli in reviplating, Such as I Hoofe, of a Man, 15c.

"Such as I Hoofe, of Man, 15c.

"Diverbli in height, and the such as I Hoofe, of Man, 15c.

"Diverbli in height, and the such as I Hoofe, of Man, 15c.

"Diverbli in height, and I Hoofe, and I Hoof

Thefe are allo call'd Legical Universitat.
All thefe Kinds of Universitat, the two last only excepted, are not Universitat in themfelves, but only with respect to their Objects would, represented, &c. So that what we chiefly consider as Universits, are the Universitatis in effective to the Control of the Universitatis are effective to the Universitatis of the Univ

chieny consider as Interpret, are the Outwerpoint in eyes-do, and predictantle.

Now in an Universal, they dillinguish two things, the Matter, called the Material Universal, Universale Materials, which is the one Nature multipliable in many 3 as Humanity in Peter, Paul, &c. and the Form, call'd the Formal Univer-sal, which is the Unity of that Nature.

Wherefore, to conflicte an \*Univerfal,\* tie requisite the Nature to one, yet multipliable: But what such a Nature is, has proved Matter of great Controvers, both among the antiert and modern: Philosophers.

The \*Plannists\* will have \*Oniverfals\* to be nothing but the Plannists\* will have \*Oniverfals\* to be nothing but the provided of the Plannists\*.

The Patronift will have Oniverfalt to be nothing had within Ideal.—Now by Idea they men the Patrers or Farm which the Artificer has in view, when he makes any contract of the Things to be done, which the Artificer frames in himself a nod externed, which is fornething out of himself, which he Artificer frames in himself, which he Artificer frames in himself, and externed, which is fornething out of himself, which he Artificer insulates the Philodypatra have been infinitely perplex'd, in find which of the two Patronether with the meant the External Contract of the Contr

mean.—The 'Derigaterie's utilit he mean to religion but the Vibratili, and must of the Cartitian Divines, had for the Internal.

The Original National High beld this in common with the The Original National High beld this in common with the February of the Cartitian Divines of the Thing State of the Cartitian State of the Thing State oicks, an Univerfal.

The Nominalifts make Words Univerfals; by reason the me Word revresents many things, as the Word Man refame Word represents many things, as the Word Man re-presents all Men: Bur both Stocks and Namnalists make Interfals to be fomething extrinfick to Things them'elves a

Universitist to be iometaing extrantice to 1 intege them every by realon wherever exists, or is produced, is fingular: to that there is no Universit really in Taings.

The Peripareticks, however, contend that there are University and Common Natures in Things themselves; or that Things and Natures, like such other, form a Material Unisorfal.—But as to the Manner wherein they are universal, or whence they derive their University, but is, then Unity and Aptitude of being in many, whether from Nature, or from our Undershading, it matter of dispute among cm.—If they derive that Unity, wherein their universal Form is placed, from Nature; then, there is an Universal of parte Rei; which is the Opinion-of the Swifts. See SCOTISTS.

Scorisss.

If they don't derive it from Nature, but only from our Minds or Understandings, then the Deckine of the Thomps! is allow'd; who contend that a formal Universal has no other Existence, but by an Act of the Intellect. See Two-other Existence,

UNIVERSALISTS, in Polemical Divinity, an Appella-tion given to fach as hold univerfet Grace: In like manner as Particulariffs is given to those who hold particular and efficacious Grace. See Grace, Ec.

The Arminians are particularly denominated Universals. See Arminian, and Remonstrator. UNIVERSALITY, the Quality that denominates a thing

Univerfel.

The Cirholicks affert the Univerfality of their Church, both site Time, and Perfoss; and minean this to be a Mark of the true Church, which diffingifies it from all other Societies that preced to the Name, See Universal. UNIVERSALITY, in the Schools -- Logicians make two Kinds of Universatity; the one Metaphysical, the other Mora

Metaphysical Universality, is that which excepts nothing; Metaphylical Universality, is that which excepts nothing; as this Proposition, Every Man is mortal.

Merial Universality, is that which admits of fome Exception, as All of Man praife the Times past. In fach-like Propositions, 'tie enough the Thing be ordinately for; it not being thirtly required that every old Man flould be of

UNIVERSE, a collective Name, fignifying the cubels World, or the Affemblage of all Bodies ; call'd by the Greeks 70 are; and by the Latins, Minidus, and University; as being no other than an University of Bodies. See Worken. The Antients, and after them the Cartessam, imagin'd

The Antients, and after them the Carregistry, imagine the Universe to be infinite. —The Readin they give, is. That it implies a Contradiction to fuppose it finite, or bounded 5 time it is impossible not to conceive Space beyond any Limits that can be stfiged it: Which Space according to the Carreffant, is Body; and confequently

scording to the Cartiflant, is Body, and confiquently part of the Churcy/s & Stract.

But hat the Univery's is finite, appears from the two following Confidentiation—III, That whatever confills of Paras, finite either in Number or Magnitude, which if they be, what they compose mult be for so to 7,40 ky, they mult be infinite in Number or Magnitude, but an infinite Number is a Contradiction; and to impose the Paris infinitely bit, or the part of the part of the Paris of Infinites in Poffe, or in Imagination, will not be allow'd in

Philotophy.
UNIVERSITY, a collective Term, applied to an Af-femblage of feveral Colleges eithbilithd in a City, wherein are Proteffors in the feveral Sciences, appointed to teach them to Students; and where Degrees, or Certificates of

In each University, four Faculties are usually taught; Theology, Medicine, Law, and the Arts and Sciences. See

Faceure.

They are call'd Universities, or University Schools, by reason the four Faculties are supposed to make the World Ordinary's 65 study.

In the Eye of the Law, an University is the a mix'd Lay Body, or Community, the, in reality, it be a mix'd Body, compesd partly of Laymen, and partly of Ecclesialities. See Consumers, 1962.

\*\*Driverfiles had their fift Rife in the XIIth and XIIIth Centuries.—Thole of \*\*Paris and \*\*Boulgar percend to be the fift that were fet on foot; but then they were on a different Footing from the \*\*Oniverfiles\*\* among us. See Semi-NARY, and SCHOOL

NARY, and SCHOOL.
The Univerlyte of Pari; is faid to have commenced under Charlemage, and to one in Rife to four Englipmen, and Onlicipies of Venerable Paris, who going to that City, made a Troptal to fet up and fell Learning; and accordingly a Troptal to fet up and fell Learning; and accordingly such size of Learning and the Paris of Paris Charleman (Learning and Learning and Le on, Rheginon, Sigebert, &c. make not the least men

tion thereor.

Add, that Pafquier, du Tiller, &c. declare openly against the Opinion 3 and affert, that its first Poundations were not laid till Louis the Young, and Philip Anguilt, in the XIIIth Century.—The earliest mention we find made of it, is in Century.—The earliest mention we find made of it, is in Regardar, who lived in that Age; and who was Cotempo-nary with Peter Lombard, the Master of the Senences, the great Glory of that Threeseffly; in Memory of when, an Anniverlary is to this Day observed by that Body, in the Church of S. Mercel, where he lies buried. But 'tis certain it was not established all at once: It ray

pears to have been at fifth no other than a publick School in the Cathedral Church; from which it grew, by little and little, under the Favour and Protection of the Kings, in-

and lifted, under the Favoir and Procedion of the Knipp, tota engade Roll, an Universities, 1977 and Contribute
of the Contribute of the Contribute of the Contribute of the Contribute of the greated Antiquity of any in the World,
and Carboryles, Pallin, and Merine Collegue in the Killith
that Contribute of Contribute of the Contribu

In Attertimes, tince were House built for the Students to live in Society; only each to be at his own Charge, as in the linss of Court. See 1818.

Thefe, at first, were call 4 Jans; but now Halts, See Hatt. At 181, plentiful Revenues were fertied on feveral of thefe Halls, to maintain the Students in Diet, Apparel, 85s. and thefe were call 4 Colleges. See Court. or provided the seed of t

thefe were call'd Colleges. See Cext.sor.

The Universities of Sepira data Cashridge are governed, next under the King, by a Chanceller, who is to take care to the whole Charlest'phy, to maintain the Liberties thereof on the whole Charlest'phy, to maintain the Liberties thereof the Charlest'phy of the Cha

pital Caufes, according to the Privileges of the University The next Officer is the Vice-Chancellor, who officiates for

the Chancellor in his ablence.—There are allo two Proloves, who adili to the Government of the University, particularly in the Bulinels of School-Exercife, taking up Degrees, paulfiling Violaters of the Statutes, 55: See Focusion. Add, a publick Grator, Keeper of Records, Register,

Add, a pinuice Uraur, Augur g Resmai, Paguire,
For the Degrees taken up in each Faculty, with the Ex-recisio, 5f. regulate thereto, fee Dioning fee alio Doc-ron, Barcineous, 6f.
UNIVOCAL, in the Schools, is applied to two or more
UNIVOCAL, in the Schools, is applied to two or more
UNIVOCAL in the Schools, is applied to two or more
than the Company of the state of the schools of the school of the schools of the school of the schools of the schools of the school of the or more Significations.

Or, Universal Terms, are fuch whose Name, 23 well as Nature, is the fame, in opposition to Equivocals, whose Names are the same, but their Natures very different. See EQUIVOCAL.

EQUIVOCAL.

For a thing to be predicated universally of any others, it is to be attributed to all of them alike, and in the fame proper Senfe. See PartureArts, and PartureArts.

UNIVOCAL Generation—The Doctime of the Autients with respect to Propagation, was, That all perfect Animals were produced by Universal Generation, that is, by the fole Union or Copulation of a Milo and Female of the fame Species or Denomination: and, that Infects were produced by Egnicol Generation, without any Seed, and merely of the State Earth exalted, and as it were impregnated by the State Earth expired, and as it were impregnated by the State Earth expired as, the State Comp Philosophys. See Egyrveoas, Issuer; 68:—80 Some Philosophys. The State Company of the Control of the State Company 
the university and, virious numbers, movement Dunwester, UNIVOCATION, in Logicis and Metaphylicks—The School-mee have long dispared about the Univocation of Being, 1.e. whether the general Islac of Being agee in the fame manner, and in the lame fends, to the Sabrikace and fame manner, and in the lame fends, to the Sabrikace and UNICAW BULL, Edgad, fomerhing prohibited by, or contrary to, the Termor of a Law, either divine or human. See

UNLAWFUL Affembly, is particularly used for the meeting of three or more Persons together by Force, to commit some unlawful AG; as to affault any Person, to enter his House, or Land, Se, and thus abiding together, the nor attempting the Execution thereof. See Assembly, Rior, Se.

By the Stat. 16 Car. II. if five Perfons, or more, shall be 

UNLIMITED or Indirentance Problem, it sich is one as it capable of indirect Soutism—As, of order a Trassulor as it capable of indirect Soutism—As, or offer a for the problem of the probl

requires.

UNRIEVING a Rept. Soc Resve.

UNRIGONO G s Soly, in the niking away the RigLiver of the sold of the S

elasure. See Word

elature. See Word.

The Vestbullary is, properly, a lefter kind of Dictionary, which does not enter for minutely into the Origins and different Acceptations of Words. See Dictionary.

The Instinse Vectoriary of the Academy de la Crusta, was

forty Years in compiling.
The Word is French, form'd of the obfolete term Vocable; of the Latin, Vocabulum, word.

VOCAL, fomething that relates to the Voice. See Voice.

Thus, Vocal Prayer is that spoke out, or delivered in words: In contra-distinction to mental Prayer. See PRAYER. In our antient Customs, Vocalis is frequently used for for

In our antest Cultoms, Pacalir in frequently uled to fee and 4—Pelb Box Mongrant at erbow Wiselensium, & Barnaman Makhous weedin princip corum. Matt. Path.

Frequently of Mattern of Exchinal to the princip of Mattern of Exchinal to the sight to vote—A Man must have been a Keilglous a certain namber of Years, to be a Feed. See Vorz.

Vocas. Multi, is Mulic fee to Words, effectilly Vefet as and to be performed with the Political Control of the Instrumental Music, composed only for Instruments, without

Singing. See Music. Singling. See Music.

Portry them makes a necessity Part of Vocal Musick; and
this appears to have been the chief, if nor the only Practice
of the Andreas, from the Destriction which they gave as of
Matic. See Hanneav, etc.

Their Vocal Music levels on bave had fome Advantage
over ours, in that the Greek and Lettin Languages were bercome and the pales the Eart than the modern ones. ———In

Control and the Control of the Control of the Control of the Control

The Control of the Control of the Control of the Control

The Control of the Control of the Control

The Control of the Control of the Control

The Control of the Control of the Control

The Control of the Control of the Control

The Control of the Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

The Control

ter contrived to please the Ear than the moneton ones.

offect, Vessius taxes all the later Languages as unfit for Music,

and fays, 'We shall never have any good Veal Music of the Articles,' to the learn to make Verse on the Model of the Articles,' i.e. it till the antient metrical Feet and Quantities are restored. See Vanns, and Quantury.

But it is to be othered, that the Rythmus of their Vacal Music, was only that of their Poetry; and had no other forms and Music, was only that of their Poetry; and had no other than the Companion of their Poetry and had no other than the Companion of the Poetry and Music other than the metrical Art associated to the Companion of the Companion o

Their Changes were no other than from one kind of Me-trum or Verle, to another; as from Iambie, to Choraic.

Sec MEASURE, and RYTHMUS. Their Vocal Mulick, thee, confilted of Veries fet to ma-fical Tunes, and lung by one or more Voices, in Choras, or alternately; fometimes with, and fometimes without the

alternately § femetinies with, and femetines without the Accompanyments of Inflaments. Soc STAMISON. WE Accompanyments of Inflaments. Soc STAMISON. We defined in the control of the Control of Inflaments of Inflaments in the control of Inflaments of Inflaments of Inflaments of Inflaments (VOCATION, or Calling, among Divines, the Greec or Parose which God does any one in calling him out of the or Inflaments of Inflaments

other internal.

The first consists in a simple and naked proposing of Ob-jects to the Will.—The second is that which renders the first effectual, by disposing our Faculties to receive those

Sce CASE. When we name the Person we are speaking to, or address

our felves to the Thing we are speaking of, as if it were a Person; the Noun or Name acquires a new Relation, which the Latins and Greeks express by a new Termination, call'd

the Latin and Greek express ye new Permanents, can a the Vecative throat Dominus, Lord, in the Nominative, the Latin have made Domine, O Lord, in the Vecative of Antonius, Antoni, &c.—But as this was a thing nor abbinately need-fary, and as the Nominative Cilic might terre on luch Ocfüry, ada seh Nominature Gilt might ferre on fürb Decadons 4 ihn ere Gilt, or Terminatur, was passuiverlind and a single selection of the first 
VOCIFERATIO, in our old Law-Books, the fame with Hun and Cry

Five and Cory.

2m farem plegiatum dimiferit, qui ei obviewerit & gratis fine Vociferstone dumiferit, &c. Leg. Hen. l. VOICB, Vex., a Sound produced in the Throat and Moeth of an Animal, by an Apparatus of Instruments for that purpoc. See Soewn.

Month of an animal, by an appearance that purpole. See Sound.
Vinces are either Articulate, or Inserticulate.
Articulate Vinces, are those whereof several conspire together to form some Alternblage, or little System of Sounds:
(the are the Volese septerfling the Latters of an Alphabet,
numbers of which join'd together form Words. See Lex-

TER, and WORD.

nements of weath, pain conjected wom system. See Levi-Larietteilast Filers, see Such as are not enginish, or all Cardietteilast Filers, see Such as the noting of Dogs, the bry-land of the seed the seed of short I in Speech, Marki, 19t. make a very exist not seed of the seed of th

The long Canal of the Treches, terminated a top with the Glotenia, appears fo like a Flace, that the Antesiens made no doubt but its Treches contributed the lime to the Treches and the limit of the limit of the limit of the Inflament—Gatten himfelf full, in forme menfare, into the Millikes I. He perceived, indeed, that the periodical Organ of Faire was the Cloten's both he fill allowed the Traches a confidented farme in the Treches limit of South Antenna Sites in a raid crea by all the Mederra, before M. But arra-bin a raid crea by all the Mederra, before M. But arra-

him; and even by all the Moderus, before M. Modari.— But that Author, oblering have we don't either firek or fing, when we infpire, or rake in the Air, but only when we expire, or expel it; and this the Air coming out of the Lunga, paffer always out of the minater Veficles of that Part into larger; and at laft into the Truchea it felf, which is the largest of all; that thus its Paffige becoming filli more the largeti of all: that thus its l'allige becoming tilli meer froe and exis, and this more than even in the Trachea, it can never undergo fach a Violence, and acquire fach a Ve-locity is that Canal, as is required to the Frodation of Sound—But that, as the Aperture of the Chottis is very final, in comparison with the Wolth of the Trachea, the Air can never get out of the Trachea by the Glottis, with-out a with Compression and agromentation of its Velocity 3 and that by this means, in passing, it communicates a brisk Agitation to the minute Parts of the two Lips of the Glor-tits, give 'em a kind of Spring, and occasions' ten to make Vibrations; which communicated to the passing Air, occasions by Second Care Very survey. the Sound. See VIBRATION

This Sound, thus form'd, proceeds into the Cavity of the Mouth and Nofirils, where 'tis reflected, and refounds: And on this Refonance, M. Dodars shows, it is, that the And on this Refenence, M. Deleter Brown, it is, thus the Agreen-Benefit of the Votes entirely depends.—The difference, Brunn, gir., of the olvers brant of the Manth, this Mixture of he many different Refenence in their deep Proportion, results a Harmony in the human Police, insinistance in their deep Proportion, results a Harmony in the human Police, insinistance of the Proportion, results a Harmony in the human Police, insinistance of the Proportion of the

the common Opinion it did; it would be required, that the Air, after its being modify'd and turn'd into Sound by the Glottis, inflead of continuing its Course from within our-wards, thould return from without inwards, and thus flrike wards, should recum from winnons inwards, and thus strice on the Sides of the Traches: Which can never happen, except in those who have a violent Cough, and in ventrio-quous Persons. Indeed, in most River-Fowl, which have a very strong Voice, the Trachea does refound; but the rea-

a very strong Follow, the Lifectua does refound; but the rea-fion is, that the Glordis is placed at the bottom of the Tra-ches, and not at the top, as in Men. That Cansi, then, which at full paid for the principal Organ of Folice, is found not to be fo much as the fecondary one, i.e. no that which occasions the Refonance.—It does one, i.e. not that which occasions the Refonance.—It does not lerve the Glotria, as the Body of a Flute does its Plug; body in the state of that, the Mouth terves the Glotria as the Body of some other Wind-Indrament not yet known in Mofick.—In effect, the Office of the Trackes, is no other than that of the Port-Vent in an Organ, via. to furnish

Wind. Con Confe of the littleren Totor of Friec-As the Econ rich in lens the Friegment as little of Wild Industrue, con might enged to find lens the Friegment as little of Wild Industrue, con might enged to find from Frorifort benetis, authentible to that which produces the difference of Totors in finne other Wind. Indiruments. But in the divers Kinds of Wind-in-firmments, the Indexthey, Organ, Carlon, Cf., chares in some Month and State of Wind-in-firmments, the Indexthey, Organ, Carlon, Cf., chare in some Month and Northin, which occasion the Refensece, or to the Glottis, which produce the Sound 1 and as all the different Totor are produced in Man by the fame Indiruments is follows, that the Frieden Windows and the Windowski of the Windowski and the Windowski and Windowski

Globa, that the yaw within proface you made to equipole of the proface and many the proface and the capable of Change and service the cheek. Down, there is more Air re-fairly than for an access one—The Trackes, therefore, to let this greater quartity pain, mult dilate and horten is left, by which framening. The Extraction Clent, that it, the the Lips, or Nolfrish, is lengthered—For, the fluorening of the internal Clent, i, e. or the Tackes, height pain Large and Circle lover down; and of confiquence make in difficult of the configuration of the Circle of Configuration of Configu

Here, as the Depth of the Tone of a Hauthey is a begin Hismonth of the Tone of a Hauthey is the second of the Control of the

the Tone. See Types.

"Tin the Giotri, then, that forms the Tone, as well as the Sound, and the manner of forming the various Tones, is by warping the Apersunc—A piece of Mechanim road in by warping the Apersunc—A piece of Mechanim to all the property of the Apersunce—A piece of Mechanim to all the Apersunce of the Apersunc

Foffien, Direction, gif. that they have other Uria; a made that the opening and flatering of the Contra is effected by the contra is officted by the contrast of the contrast

ceso linte Mafeles. The difference Aperument of the Lips of the Glorits, head with the Lips of the Lips of the Glorits, head with the Lips of Lips of Lips of the Lips of Lips

From the first it tollows, that their Viserations will be to much the quicker, as they come nearer their highest Tone; and that the Friee will be just when the two Lips are equal-ly fleeted \(^1\), and fifthe when usequally; which agrees per-fectly well with the Nature of String Instruments. From the fecond it follows, that the higher the Tones are, the master will they supreach each other; a which agrees perfectly well with Wind Instruments, governed by Reeds, or perfectly well with Wind Instruments, governed by Reeds, or

Plugs.

Four.

Degrees of Teefine of the Liu, are the fini and principal Capic of Tones, he their Difference are labelle ble—The degrees of Approach, are only Confequences of the Teefine of the Teefine of the Confequence of the Co

DIVISIBILITY. DIVISIBILITY.

This Dectrine is confirm'd from the different Apertures found in diffeding Perfons of different Ages of both Soxos.

—The Aperture is lefs, and the exterior Canal always flailower in the Sex and Ages fitted to fing Tebble.—Add, that the Reed of a Hautboy, feparated from the Body of the

Thustenent, being a finite precide between the Lips, will spiled a Tone formwhat higher than in natural one; and if profet diff in one, my lived arother dilib higher; a doth that precide diff in one, my lived arother dilib higher; a doth that and sentences of an Octave. The different advantage higher and the company different Tones, both in Natural Wind Individual contractions of the Contraction of the Contra

Fig. or an integration to too weekly properly as 2 for the Glottis, must be lower than ordinary. Indeed, the Controllions and Dilatations of the Glottis, must be infinitely delicate: By an exact Calculation of the ingenious Author abovemention d, it appears, that to perform all the Tones and Semitoness of a common Voice, which som at the Trocs and Seminous of a column Pieze, which is computed to reach to a Tomat to perform all the Fractices and Suddivisions of shoft Trocs, into Commas and obtain minoute the fill feithle Pieze, to perform at the leader minoute the fill flight Pieze, to perform at the solid minoute the fill flight Pieze, to perform at the solid minoute of the fill for the pieze of the fill flight pieze of the fill flight pieze of the Glority, which does not exceed by of an Inch, the which water within that Extent at every Change, much be which water within that Extent at every Change, much be which water within that Extent at every Change, much be which water within that Extent at every Change, much be which were not present to the fill for the Part of an Inch. Sec HEARING.

Fart of an Inch. See Hearing.

Voice, in Grammar, is a Glucumflance in Verbs, whereby they come to be confidered as either affine or paffine, i.e. either as experting an Adion impercit on another Subject, as I bear; or receiving it from another, as I ambeaten. See Vanas, foe also Actives, and Passives.

Voice, in Matters of Elections, denotes a Voice, or Sufficient Care Voice.

Section. See Varia les sus Activity, non cassive.

See Varia les sus Activity, non cassive. Sufference services de la consequence services de la consequence del consequence de la consequence del la consequence del la consequence del la consequence del la consequence de  la consequence del la consequence del la conseq

privid. VOIDED, Uuting, in Heraldry, is underflood of an Ordinary whose inner or middle Part is cut out; leaving nothing but its Edges to flow its Form; so that the Field appears they it.

Hence it is needless to express the Colour or Metal of the wided Part; because it must of course be that of the

Thus, the Croft voided differs from the Crofs fimbriated, in that this latter does not flicw the Field thro' it, as the other

ses.—And the fame is used in other Ordinaries. to fame is also in other Ordinaries.

VOIDER, in Heraldry, one of the Ordinaries, whole Figure is much like that of the Figure, or Flanch, only that it doth not bend for much. See Flanch, only that it doth not bend for much. See Flanch,

This Armoury, they fay, is properly the Reward of a Gentlewoman mat has well.

ferred her Prince.—It is always born by Pairs.
VOIDING, in Medicine. See Evacuarion.
In the Philosophical Transactions, we have an account of

In the Publish and Transpillant, we have an account of one Matt. Militys, who maked a Numb by Uron, impublic to have come from the Kichery. See Websat. By the Matter of t

the meaning is, he shall upon his Oath speak or declare the Truth, whether he shall get or lose by the Matter in Con-troversy.—If he be unconcern'd, his Tessimony, is allow'd;

netrafy.—If he be amendered, the "Artherony is allowed-softeness," one See CAVIT, WITSTAN, CAVIT, BOWLER, I was considered, one See CAVIT, WITSTAN, CAVIT, 
see aron cacn oner, and dupers a in Air. See Bony, Co-Histons, Eixamare, Sic.

For, as any mix'd Body is faid to be fix'd in a double senfe; 5 may it be faid to be Volstile two ways: whence the fame Body, e.g. Mercury, is both eviatile and fix'd at the fame is the factor of the factor of the fame body.

the fame time

the lame time.
Since, as its integral Parts, or those which fill retain the
Nature of Mercury, are cashly sparable by Fire, and readily
difficult to delays its Concatture, and redder it by Fire, or
any other Menfraum, into its first Elements, it is fail to
be first.—The form may be fail of Suphura, Antimony, USMinerials, for the generality, are left volatile than VegeThe Chymilis diffusionlish between Volatile Sales and

The Chymilts diffinguish between Volatile Salts, and

Fix'd Salts. See Salts.

The Capitals of Alembicks flop and collect the Volatile
Parts of Subflances in Sublimation; and make what we

Poers of Subtheces in Sublimation; and make what we call Flowers. See Unwarsh.

The Particles of Fluids which do not cohere very fromp.

The Particles of Fluids which do not cohere were frompeditive.

Floor, are calify mify clim Vapour; and, in the Language of the Chymitt, are Pathiet.—Those which are profiles, and fo lefs inferpible of Alterations; or othere by through Tarnellon, do not evapour; without all though the profiles, do not evapour; without all though the Childs. On our evapour, without all though the Childs. On our evapour, without all though the Childs. The control of the Child C

Vol. 711. R. in Chymitry—When the Fire decompounds any mix'd Body, the Parts most disposed to receive a great Motion, are foenest lossic and rise up in the Order which the differences of that Disposition give them; the rest remaining immoveable at the bottom of the Vessel. See A-

maining immoveshie at the portion we use the NALTESS, First, 25c.

Those that tile first, are called Volatile Parrs; such are Pleign, 6th, Spirits, and Sats, both urmous and alkalious. See En Parts consisting, vio. Earth, and Linivide Satis, are called First. See Eners, and Volatitated Satis, and the making of First Satis volatile; fee Volatility.

VOLATILISATION, the Act of rendering Fix'd Bo-dies Folatile; or of refolving 'em by Fire into a floc, fab-tile Vapour, or Spirit, which eafily diffipates, and flies away.

See VOLATILE. See Volaties.

All Bodies, even the most fix'd, as Gold may be colatilis'd; either of themfelves, or with the Admixture of feme colatile Subtance, or Spirit; by Diffillation, or Sublimation. See Distriblation, and Sublimation is ce Distriblation, and Sublimation is

mation. See Distributions, and Sublimations; the al-fo Gour, Burning-Glass, &c.

In the Memoirs of the French Academy, we have a Dif-courfe on the Valatifiction of the first Solits of Pleast, by M. Homburg, —That admirable Chymfil, it forms, by an odd Ac-cident wand Gryl Salts. Gross conflict the Solit Solits. Hemberg.—That stdmirtable Chymith, it forms, by an odd Ac-cionis, insender 50 Sales i protazonosily severitied in Song-cionis, transfer 50 Sales i protazonosily severitied in Song-kalous likrati Salts of the Fans Kati,—Upon this, M. Hins-erge conjecture<sup>4</sup>, but the Ool from which the evaluit Solit-to the Sales of the Kall in the Song, bat render<sup>4</sup> them Kratine: So that they could be be Allaline, by render better Tomes are own filled with the Coll which they have abbord 4.— And, being joid of the Allalin, the whole is render<sup>4</sup> a kine of intermediate Salt, which yes, as the Intil and Allalin pharcosis. phurcous.

phareous.

In confequence of this View, he made divers chymical Operations, whereby he found, that we difficile the fix! Salts of Plants to obtainly he. Procefs is to be goal by making them lates a first and the time plant Salts between which is not only the salts of the salts

The Choice of the Liquor wherewith the Sapa is to be faturated, is not indifferent—Water is, of all other, the leaft fit for the Effect. Oil does well 3 yet diffull'd Oil better than that drawn from Expression: and Spirit of Wine best

ot all.

By fach means, M. Homberg volatilité d almost half a
Quantity of Sait of Tartar, which is a fix'd Vegetable Sait.

Sec TARYAB.

VOLCANTLITY. Sec SCREIMEATION.

VOLCANO, or VUTCANO, in Natural History, a Name
gives to Mountains that betch, or vomit Fire, Flime, Albes,

Cluders, Stores, 26. See Mountains. Such are Mount Æins in Sicily, Mount Vestivius near Na-

See ERUPTION

ples, Rc. Sce ERUPTION.

Near Guaitmale in South America, are two Mountains, the one call'd Volcam of Fire; the other of Water.—Out of the first, huge pieces of Rocks are frequently hurl'd with as much vehomence as Balls out of a Canon; and a written Letter may be read by the Light of its Flames, at the diftance of three Miles.

Out of the other, vail Quantities of Water are continually

fpued up. See EARTHQUAKE.

Volcanos and Ignivomous Mountains, the fome of the most Falcans and Igaironous Mountains, the four of the most iorrible Phenomena in Natura, have their Ules; being a kind of Spincler, or Tamoks, whereby no rent the Fire and being the Company of the Company of the Company to Conventions and Estrahayabe.

Nay, if the Hypothesis of a central Fire and Watter, be admitted; their Outsien mult be abbinety second to the Faces and Quiet of the corruptions (Dober-According).

The Mandama doubter, the has no of their fire West's.

ly, D. Mondmard oblivers, there is Garce any Country much amony'd with Enriquetes, but has one of thesis error versions are always and the state of the country with the country of the co from Earthquakes, by the Eruption of a new Volcatto there,

from Embayates, by the Emption of a new Yelzam there, SE FANTINGANE. BING-Copp. 6 Dang, that the Binds VOLERA 1, are past dispress in the See Avanav. VOLETION, it As der WWIIID, See Water. VOLETION, the Act of WWIIID, See Water. VOLETION, the Act of WWIIID, See Water. VOLETION, the Act of WWIIID, See Water. In the Philipping Tempolitum, MR Rebert Clurbe gives us an Account of a very remetable Binded of Bing, ione 15 december 10 decemb

Town.

'Upon firing of the first Volley, the Dog, who before lay a-fleep by the Flee, flarted up, ran into an upper Room, and lide himfelf under the Bed.—The Servant being about to beat him down, (as he had oncer used to go up to the beat being about to beat him down, (as he had oncer used to go, up to the beat him down, the had the Dog rife, run foveral times about the Chamber, with violent Trensings, and firstage Agenica—But tumedistely a third beat the desired to the service of blings, and strange Agonics.—But immediately a third Volley came; upon which the Dog run once or twice abour, fell down, and died immediately; throwing out Blood at Mouth and Note

VOLO, in Antiquity, a Name which the Romans gave the Slaves, who, in the second Punic War, offer'd them-solves to serve in the Army; upon a want of a sufficient

felves to terve in the Army; upon a want or a tumerent Number of Citizens. See SLAVE. The Names Fols, Felones, they are fail to have had from their officing themfelves voluntarily. Felfus fays, 'twas after the Battle of Conne that this hap-pend's Macrobius, Sat. Lib. 1. cap. in places it before that

Battle. Capitolinus tells us, that Marcus Aurelius form'd Troops or Legions of Slaves, which he call'd Voluntarii; and that the like Forces in the fecond Punic War had been call'd

the first process in the fecond Punic War had been call'd Volone;—But before M. Awrelius, Angulus had given the Name Volunterii to Forces which he had ratied out of Liberti, or Freedmen; as we are affur'd by Macrobius, Ses. Lib. I. cap. Lib. I. cap. Lib. I. cap. I.

Fig. 1. cap. ii.
VOLUME, VOLUMEN, VOLUMEN, a Book, or Writing,
of a just bulk to be bound by it felf.
The Library of Postumy King of Elepts, contain'd, according to Autus Gellius, three hundred thouland Folumer;
or Exhibiting the Postumer twom hundred thousing Se and according to Sabeilieus, feven hundred thousand. See

LHBN ARX.

Raymond Lully wrote above four thouland Volume; see whereof we have divers Catalogues extant—"This hold, that Trifmegifflar words fix houland five bundred twenty five Volumes; so there say, thirty fix thouland five hundred twenty ince: But 'is much more rational to suppose, with the Croix,

that it was the Cufforn of the Experiant to put all the Books they composed under the Name of Triffneg(flux. The Word had its rife a solvendo; the antient way of making up Books being in Rolls of Bark, or Parchment.

See ROLL.

This manner lafted till Ciesro's Time, and long after that Paper was invented, and Books wrote thereon. The feveral Sheets were glacd, or patied End to End, wrote only on one fide; and at the bottom a Stick fatten'd, call'd *Umbilicats*; and at the other end a piece of Partment, whereon was the Title of the Book in Letters of Gold.

And yet, we are affured, King Attribus had, long before, done up fome of his Books in the fquare form; as having found the Secret of Parchment, which would bear writing on both fides. See Parchment.

At prefent, Volume is chiefly used in the same Sense with Youne, for a Part or Division of a Work, bound separately.

—In this Sense, we say, the Councils are printed at the

Leaver in 37 Volumes. See Tome.

The Volumes of S Bady, is foractimes also used among Philosophers, for its Bulk, or the Space inclosed within its Su-

VOLT, in the Manage, fignifies a round or circular Mo-tion, confliting of a Gate of two Treads, made by an Horfe tion, continting or a cust or two I reads, mane by an stone going fideways round a Centre; the two I Treads marking going fideways round a Centre; the two I reads marking by the Hind-Eee, finallier to Ecce, larger; and the other by the Hind-Eee, finallier to Ecce, larger; and the contra-des the Company of the Company of the Courter Points' Vor.; is a Round of one I Tread, or two, made by the Horfe at one of the Angles or Centres of the Vett, or at the Rad of the Line of the Pathdog fo as when he is near the End of this Line, or are mee of the Corners of the

near the find of this Line, or near nee of the Corners of the Verl, he changes Hands, to extern by a Semicircle.

A Remorfed Vol.r, is a Track of two Treads, which the Horie makes with his Hoad to the Centre, and his Crosp out 3 going fideways spon a Wilk, Trot, or Callop, and racing out a larger Gircumference with his Shoulders, and a fraction with the Corner.

VOLUMUS, in Law, the first Word of a Clause in the King's Writs of Protection, and Letters Patent. See Pag-

TRETION.

VOLUNT, in Law, is when the Tenant holds Lands, Sc. at the Will of the Leifer, or Lord of the Maner. See Control of the Will of the Leifer, or Lord of the Maner. See Control of the Maner.

Sec SPONTANE

See SPONTANTON.

Adviblet and his Followers, refine the Term Palantery
Adviblet and his Followers, refine the Term Palantery
Adviblet and his Followers

which knows all the Circumstance of the Affine
There are two Things, therefore required to the Palanteringly of an Affine t. The first, that it proceed from an Interm Palanter of the Palanter of the Term Palanter of the

Term Palanter of the Term Palanter of the Term Palanter of the

Term Palanter of the Palanter of the Term Palanter of the

Term Palanter of the Palanter of the Term Palanter of the Palanter

Term Palanter of the Palanter of the Term Palante

The fecond, that the Action be perform'd with a perfect Intelligence of the End, and Circomfrances thereof: In which Senfe, the Actions of Brates, Children, fleeping Peo-

which Senic, the Actions of Brates, Children, neeping reo-ple, E. are not properly Voluntary, See Will.
Anatomitis dithinguish between the Voluntary, and Natu-ral, or Involuntary Moreous in the Body: Of the first Kind are those of the Heart, Lungs, Palle, U.S. See Museulan

VOLUTE, VOLUTA, in Architecture, a kind of Scrowl, fpiral Contortion, afed in the Ionic and Composite Capits, whereof it is the principal Character and Ornsment.

Some call it the Ram's-Harn, from its Figure, which bears near resemblance thereto.

Most Architects suppose, that the Antients intended it to represent the Bark or Rind of a Tree, laid under the Abacus, and twisted thus at each Extreme where it is at Liberty: Others will have it a fort of Fillow, or Bolffer laid between the Abacus and Echinus, to prevent the latter being broke by the Weight of the former, and the Entablature over it;

by the Weight of the former, and the instandance over my and accordingly call in Publishing.

Others, after Personals, will have it to reprefent the Carls or Tretifes of a Woman's Hair. See Iostic Order.

There are allocight angular Politics in the Corintism Capital, accompany of with eight other finaller once, called Heiters.

There are feveral Directifies in the Politic—In fome, the There are leveral Diverfities in the Volute.—In fome, the Lift or Edge, throughout all the Circumvolutions, is in the fame Line, or Plane; fach are the antique Ionie Volutes, and those of Vigonias.—In others, the Spires or Circumvolution fall back; in others project, or flund out.—Again, in fome the Circumvolutions are oval; in others, the Cana of one Circumvolutions are oval; in others, the Cana of one Circumvolution is detached from the Lift of another, by a Vacuity or Aperture .- In others, the Round is parallel to the Abscus, and fprings out from behind the Flower thereof.— In others, it feems to fpring out of the Vafe, from behind the Owum, and rifes to the Abacus, as in most of the fine Com-pastic Capitals.

Coven, and effects we found to the time of the fine Corporation of the time Corporation of the time Corporation of the time Corporation of the Colombia, Medillons, and other forms of Ornances, have The Foliate 1st Part of great Imparts to the Beauty of the Colombia of t

crement by the Month, included the Amus by reason the Memberson of the Interitible Even are drawn within one another, and form Knoers, which previous the ordinary Counter of the Faces. See Chostica.

VOMER, in Anatomy, a Letten Name, figuilying, literally, a Phingiblews; valid by Anabest to denote the Coverth Bose of the super June by reason of the Refinishance with the Counter of the Refinishance of th

the middle of the Note, over the Palare, lerving in part the two Northis from each other. See Norstrain.

This finall, but hard, and is join'd to the Sphenoides and Ethmoides, which have each of them little Eminences that are received into the Cavities of the Vomer; by which means it is faften'd in its Place. See Norst.

VOMICA, in Medicine, a Collection of Pus in any Part

of the Body. See Pus. When this Mass or Collection is in the Lungs, 'cis called

omica Pulmonum-When in the Kidneys, Vonica Renum, Sec Lungs. The Vomics of the Lungs differs from an Empyems, which is a Collection of Pus in the Cavity of the Thorax. See Em-

PYEMA.

Naw Vomica, Vomiting Nut, is a little round, flat, woolly Frait, half the bigods of a Farthing, hard as Horn, of a Mosf-colour without, but of various Colours within a fonetimes type, fometimes white, and forestimes brown.

This nor known what the Plant is that bears it.—"The a

"Its not known what the Plant is that bears it.—"The a Poision for Dogs, and divers Quadrupcels, which it kills pre-fernly, thro' exceffive Vomiting. See Poison. VOMITING, Vomitrus, the Act of cashing up, or eva-cuating by the Mouth what is containd in the Stomach. See

This Action has been generally allow'd to be owing prin-

This Adion has been generally allow? In obe owing principally, on the Contraction of the Filters of the Strends, when intend by the actimization along the principal of the Quantity, of the Contents. See Pownstar, and others, of the Contraction of the Disphagen, and the Macles of the Down Venture, of the Contraction of the Disphagen, and the Macles of the Down Venture, and the Contraction of 
However, Borrhasse, and most of our latest Writers, al-low both the Stomach, the Diaphragm, and the Musics of the Abdomen, to have their share in the Action of Vonsizing: Accordingly, that excellent Author makes Fourtent to confid in a convultive and retrograde Motion of the mui

to could in a communitie and cresponde Mession of the mat-ches Fiber of different seasons and the System Version of the as their of the Absistance, and the System Version Version of which, where in a site digerc, produce a Sangha, and in a greaters Venitine, See Navata. By the Contraction of in many First, the Somnée Commo to be fapected, as in a Prefix wheree it is obliged to give up what it contained in its Cutry, and the engipheronic Fars, just as Worer is in a Biolate or Symage, when The Ergogation too much the ometical contractions.

fuces d between the range.

The Evacuation, too, must be upwards, rather than downwards 3 by reason the Passage is more open and easy that Pppp

way,

way, and that the Intestines are prefe'd by the Disphragm, nd the Muscles of the lower Venter.

and the Muffelss of the lower Venter.

The primary Caule of Foutling, after the the to great Quantity, or too much Actimony of the Concent, artifue from Fotion, Commention, Comprelling the Concent, acting the Comment of the Concent, acting the Comment of the Co

WOPISCUS, a Letter Term, used in respect of Twins in the Womb, for that which comes to the perfect Birth. See

VORTEX, Whiriwind, in Meteorology, a fedden, rapid, violent Motion of the Air, in Gyres or Circles. See WHIREWIND.

violent Moțion of the Airin Gyrea or Circles, SceWhitz-Wind.
Vontex, Vorage, is alfo inde for an Eddey, or Whitpool; or a Body of Water in certais Scar and Rivers, which
rune rapidly around, forming a feat of Cavity in the middle.
The ordinary Caufe of the Coveries, is a Gulph, or Oatlet, whereby the Water of the Sca. E. is abfected, or precipitates itself into some other Receptacle, sometimes to fome other communicate Sea, and fometimes, perhaps, into the vaft Abyls of contral Water. See WHIRLFOOL, and

Arvis.

An artificial Fortee, expreditive of the Phenomena of the natural once, may be made with a cylindric Veffel, placed, minoveable, on a horizontal Plane, and fill to a certain height with Water.—In this Water a Sirki being plonged, and surfit once as brilly as may be, the Water is necellarily part ions a petrar yelpid circular Motion, and rifes to the certy Edge of the Veffel, and when there surriced, ceales to

further agitated.

he femine option.

The Water thus raid forms a Corty in the Middle, whole Figure is that of a revised Core, of the Act of the Water than the Core of the Water of remote from the Asia, has greater contribugal bares that another that is governer, or more remote from the Asia. The familier Greis threather drive the greater towards the Asia and the Greise review from the finality and the Greise review from the finality case that precede them, and convey to the greater which follow them, and the Greise review from the finality case that precede them, and convey to the greater which follow them, and the Greise follows the Greise

its Receis from the Axis.
M. Saulmon's View in this Attemp Its Recei from the Axis.

M. Sazimari Vivo in the three collent Monicos, and that Law of Mechanicis produce decided Monicos, and that Law of Mechanicis produce that the Greeny or Weight Delicia is overlay—But, subapply, the Experiments flow juilt the country of what they flouid do, to confirm the Carefular Delicit of Greeny. So Ca xvivx.

Voarvx, to the Carefular Philotophy, is a Spitem or Collection of Particles of Marten woung the fame way, and

round the fame Axis. round the lame ANS.
Such Verities are the Grand Machines whereby these
Philosophers folve melt of the Motions and other Phenomena
of the heavenly Bodies—Accordingly, the Doctrine of these
Veritas spakes a great part of the Cartesian Philosophy. See

Nortices masses a great part of the Carricisms of missionpry. See

Carrisafunism.

The Matter of the World, they hold to have been divided at the Beginning into incommerable little equal Particles,
each endow of with an equal Degree of Motion, both about its own Centre and feparately, to as to constitute a Fluid.

See FLUID. See Fruits.
Several Systems, or Collections of this Matter, they further hold to have been codow'd with a Motion about certain Polots, as common Centres, placed at equal Diffences; and that the Matters moving, round thefe, compord in many

Vorsices. Varieties. These, the primitive Particles of Matter they furpole, by their intelline Motions, to be at a liverey promote placetics. Figures, and in our consideration of the Second Estimates 2 and the Particles and the Particles and the Second Estimates 2 and the Particles shall be ground difficult for the Second Estimates 2 and the Particles shall be ground off them, to bring them to thirteen, they call the Matter of the Fifty Estimates. See Estimates, And fines them would be found to the Fifty Estimates than would find the Varieties between the Globales of the Second, they furpole the remaining Part to be driven toward the Centre of the Forter's perfect the credital School or of the Forter's perfect the credital School or of the Forter's perfect the credital School or the Second School of the Se

O J

O M Ho Globules; and that belong there smnfe'd line a Spheer is model produce I body like the Sam. See Storm.

And swith the common Matter of the Ferrar, swall seed read, with the common Matter of the Ferrar, swall seed read to the common factor of the Ferrar, swall seed read to the common factor of the Ferrar swall seed read to the common in Poles; a read that specially at furth Paces as are farthelf from its Poles, as the finest time, in by the Poles, as it would be able to carry rounds with I thind Globules that are nearth, with the greater Volecty, and the remoter, of the Carry to the Sam mult be fault by locale seers they greater, or equal, they would, by reafon of their Volecty, greater, or equal, they would, by reafon of their Volecty of the Sam multiple larves, and teced from the Control Sam Multiple larves and teced from the Control

See Liouv.
If it flowed heppen that any of these flowed lies belief in II if it flowed hep-end f-rings, flowed lies followed the seed seed and weakneed, as to be carried about in the Forces of the control of his following, but all of hoston than the Globales rowards the Eureminy of the Soliety Forces, then Globales rowards the Eureminy of the Soliety Forces and Globales rowards the Eureminy of the Soliety Forces and Globales rowards the Eureminy of the Soliety Forces and Globales rowards are the soliety of the Soliety Forces and Globales rowards and the Soliety of the Soliety Forces and the Soliety of the Soliety of the Soliety Forces and Soliety of the Soliety Soliety of the Soliety Soliety of the Soliety So

tome of these occup graduanty incremented, were resourced up by others which were larger and more powerful, till at last they were all destroy'd and swallow'd up by the biggest Salar Fortze, except some few which were thrown off in right Lines from one Fortze to another, and so became Comets. See Court.

mett. Sec Court.

Bet this Dekrine of Forriers, is at best merely bypathentics—It does not present on flow by when Law and
a series of the property of the property of the series of t

in Vertices, the Bodies of the Parts of the Vertex immedi ately inveffing em, must move with the same Velocity, and in the same Direction; and besides, must have the same Density, or the same vis Inertia.—But it is evident, that Deality, or the fame out Interine.—But it is evident, that the Placets and Comets move in the very fame Parts of the Heavens with different Velocities, and in different Directions. It follows, therefore, that those Parts of the Porters multi-valve at the fame time in different Directions, and with different Velocities; fince one Velocity and Direction will be required for the Platings of the Planets, and another for that

of the Comets. 2º, If it were granted, that loveral Vertices are contained in the fame Space, do pencetate each other, and revolve with divers Motions; face those Motions milt be conformable to those of the Bodies, which are perfectly regular, and perform'd in Conic Soctions; it may be afted, How they should have been penferr'd centre to many Ages, and not diffurb'd and confounded by the adverse Aglions and Shocks. 20, If it were granted, that feveral Vertices are contain'd

diffurb'd and contounded by the adverte Actions and sinoess of 6 much Matter as they meet withal 2, 3. The Number of Comets is very great, and their Motions perfectly regular, observing the fame Laws with the Planets, and moving in conteal Orbits, that are executingly and moving in conteal Orbits, that are executingly the state of the contemporary Way and useful. executive. Accordingly they more every Way, and to all Pares of the Heavens, freely pervading the planetary Regions, and gooding frequently contrary to the Order of the Signs; which were impossible, unlefs these Vortices were away.

away. 40, If the Planets moved round the Sunin Vertices, those

4<sup>5</sup> If the Plants moved round the Sucia Fertice, rhole Parts of the Princip next the Plants; we have a leavely better of the Writer next the Plants; we have a leavely befored, would be equally darks with the Plants; themsilisers of the Plants of the

[ 331 ]

VOW

from with the less Force. Accordingly, if they be less denie, they must give way to the greater Force, whereby the Parts nearer the Centre endeavour to rife. Thus, the more Parts seiver the Centre endeavour to rite. I may, noe more denfe will rite, and the left deried defend at thus there will be a change of places, fill the whole fluid Matter of the Fortes to 6 adjuiled, at it may retil in aguildrin. Thus will the greateft part of the Fortes without the Earth's Orbit, have a Degree of Denfity and Inactivity not left than that of the Earth idelf.—Whence the Camers mult

meet with a very great refiftance; contrary to all Appearances. Cotef. prof. ad Newt. princip. See Comet, Resistance, Medium, &c.

The Doctrine of Vortices, Sir I. Newton observes, labours The Doctrine of Fortices, Sir I. Newton observes, labours under many Difficulties: For a Planet to describe Areas proportional to the Times, the periodical Times of the Forter Mould be in a duplicate Ratio of their Diffaces from the Sun; and for the periodical Times of the Planets to be in a fedingible of Planets of the Planets of the International Computer Section 1997. 

be fals

VOTE, or Voice. See Superage, and Voice.

—In the House of Peers they give their Voice or Suffrages, beginning at the Puisse or lowest Haron, and so to the rest feriatim, every one antwering, a part, Content or not Con-tent; and if the Affirmatives and Negatives are equal, fin-

per prasumitur pro negante; the Speaker having no casting Vote unless he be a Peer.

In the House of Commons they Vote by Tea's and No's, promisenously. See Parliment.

VOTUM, in our antient Law books, is used for Nuprie; fo Dies cotorum, is the Wedding-day, Flets, lib. 4 . cap. 2.

par. 16. Si donatorius ad alia vota convolaverit, &c. See Vow. Drum, or Voce. VOTUM, or Feer. See Vow.

VOUCH,—A Person is said to Vouch for another, when he
undertakes to maintain or warrant him in a thing, or passes
his Word in his behalf.

has word in his behalf.

In Law, to Fouch, is to call fuch Person or Fouches into Court, to make good his Warrant. See Warranty, or Fouch for another, who in respect hereof is call'd Foucher. See

VOUCHER, in Law, the Tenant who calls another Person into Court, bound to warranty him, and either to de-fend the Right against the Demandant, or to yield him o-

fend the Right against the Demandant, or to yield him o-ther Lands, &c. to the value. See Warrant. This feems is some meant to agree to the Contrast, in Civil Law, whereby the Vendee binds the Vendor, some-times in the Simple Value of the Tuings bought, semetimes in the Double; to warrast the secure cupying of the Thing bought.

Yet there is this Difference between the Civil and Co mon Law in this Point, That the Civil Law binds every Man to warrant the Security of that which he felleth; which the Common Law doth not, unless it be specially covenanted.

The Procefs whereby the Vouchee is call'd, is a Summo-uses as Warrantifundum; and if the Sheriff return upon that Wit, that the Party hath nothing whereby he may be fummon'd, then goes our another Writ call'd, Sequentur Jub A Recovery with a fingle Voucher, is when there is but

one Voucher; and with a double Voucher, is when the Vou-chee voucheth over; and so a treble Voucher. See Recovery. There is also a foreign Voucher, when the Tenant is impleaded in a particular Juridiction of that Court; more per-tinently call'd a Foneber of a Foreigner. Vovenea, also fignifics a Leiger-book, or Book of Ac-

compts, wherein are enter'd the Warrants for the Accomptant's Dicharge. See Book-REFING.

VOUSSOIR, Vault-flone, in Architecture, a Stone proper to form the fweep of an Arch, being cut fomewhat in

per to form the tweep of an Arch, being cut to new at in manner of a truncated Cone, whole Sides, were they pro-long d, would terminate in a Centre, to which all the Stones of the Vault are directed. See Vault.

VOW, Voyum, a folemn Promife or Offering of a Man's felf to God. See OATH.

A Person is constituted a Religious by taking three Vows,

that of Poverty, that of Chastiry, and that of Obedience Sec RELIGIOUS.

Authors are divided as to the Antiquity of thefe Votes,

Authors are divided as to the Antiquity of these Vocas,

"Tis agreed, the antient Anthorites, and Hermits
of the Thebraile made none; they did not conference themselves to God by an indifficive blo Obligation, but were at
likery to quit their Retriencent, and return mot the Warld,
whenever the Fervor that drove em out of it, came to a bate. See Anchorite, &c

bate. See ANCHORITE, See.
Your were not introduced till long after; and that, to fix
the too frequent Inconflancy of fuch as, after retiring from
the World, repented themselves too foon, or too lightly;
and by that means feandalied the Church, and diffured to
Church on the light and the Church, and diffured to Quier of Families by their Return.

Ersfans will have it, that folenn Vows were not intro duced till the thirteenth Century, under the Pontificate of Boniface VIII.—Others hold 'em as antient as the Council of Chalcedon : But the Truth is, before Boniface VIII. the tree were none but fimple Votes, and fach as might be dispensed withal.—Their Votes, till that time, were not deem'd eternal Chains; they were not indistolable. "Tis deem'd eternal Chains; they were not inditiolable. 11s true, they were obligatory Promifes, as to Confeience, and the Inconflancy of facth as violated them was held an odiona Defertion: But as to Law, the Perfors were not held to be civilly dead, fo as, upon their Return, to ronder 'em incapa-ble of all Ads of civil Society.

be of all Acts of civil Society.

The most common Fees was that of Poverry, but this only regarded the Convent, on account of which every Perfon diversed himself of all Property; but the making of Foundation of the Convention of the Property of the Marking of Property is the making of Property of the Property of the Property of the Marking of Property of the Prope

did not at all exercice cent from the August of Broom, was and der 'em incapable of Inheriting.

No Religious, 'tis true, acquired the Property of the Effects that foll to him; they all belong it on the Monathery, in favour of which he had diverted himself of every thing; a state of the sta in favour of which no had directed himself of every thing g and the Monstery only left him the Uffariti and Direction of them.—The Popes have frequently confirm'd this Privilege to divers Orders, and permitted the Monks to inherit as much as if they were Seculity, and had made no Nors. At prefent, the civil Death of a Religious is dated from

the Day he makes the Votes; and from that time he is utterly incapable of inheriting.—A Religious may reclaim, or protest against his Votes within five Years; but, after or protest against his Four within five Years; but, after that, 'ris no longer admitted.—The Failures in the Profession are effected to be purged by his Silence and Perfeverance for five Years.—Indeed, to be reliev'd from his Vocas, 'tis

not not loate—inocco, to be relieved from his Poves, vis-not enough the Party reclaim within the five Years, but he must likewife prove, he was forced to take the Habit. Vows, Pota, among the Remann, fignity the Scieffces, Officings, Prefents, and Privers, made for the Emperors and Cofors, particularly for their Profeerity, and the Lafling-ness of their Empire.

These were, at first, made every five Years, then every fifteen, and then every thirry, call'd Quinquennalia, Decennalia, and Vicennalia.

n divers antique Medals and Inferiprious, we read, Vos. X. XX. Vos. mult. fignifying Vosts Decematibus, Vice-

stibus, Multis, &c. VOTIVE Medals, are those whereon the Vows of the ople for the Emperors or Empereffes are express'd. See MEDAL

MEDAL.

The Pablic Vows, made every five, ten, or twenty Years, are more often found round the Edges of the Medal, than on the Paces thereof, at leaft in the Wellers Empire; for in the Eathern the Cafe is different; witness the Medal of Marchian the younger, where the Reverse represents the Agardian the younger, where the Reverse represents the continued of the Cafe of the Ca And on Greek Medals, AHMOT EYKAI, which they foun-times express by the two initial Letters, A. E. according to F. Hardenin's Conjecture, which may be admitted, in cer-train Medals, where the AEM EE that is, AEMARYIKHE EEOTEIAS, does not well agree. Wintels also the Medal of Astonints, VO'IT, AUSCEPTA DECENNALIA.

Automists, VOTA SUSCEPTA DECENNALIA.

The Ongin of Four, and Foure Medate, is given by M.

do Congs, thus:—Anyqlint feigning himself willing to quit
the Empire, and having twice, at the Erzpers of the Genate,
condecended to hold it for ten Years longer, it grew into a
Catlon, to make fresh! Public Frayers, Sacrifices, and
Games, for his continuing it, at the ten Years end; and
their they call Decennation, or Yora Decountain.

Under the Eastern Emperors, these Vows were repeated every five Years: Hence it is that, after Dioclesian's Time, we find on Medals VOTIS V. XV. &c. which Practice conwe find on Medals VOTIS V. XV. Sc. which research intraced till the Time of Flowadfirs, when Chriftianity being well effablished, a Ceremony that had fome Remains of Heathenism in it, was fet afde. So that the VOTIS MULTIS, on a Medal of Majoriessus, muff be a very difficulty of the second of th ferent Thing; and no other, doubtiefs, than a kind of Ac-clamation, like that, PLURA NATALIA FAELICITER, VOWEL, in Grammar, a Letter which affords a complete

Sound of it felf; or a Letter fo fimple as only to need a bare

[ 332 ] URI URA

ming of the Mouth to make it heard, and to form

dithinct Voice. See Letter.

Such are a, r, i, o, w; which are call'd Focales, Fowels, in contraditional to certain other Letters, which depending to a particular Application of lone part of the Mouth, as the Techt, Lips, or Felare, can make no perfect Sound without no opening of the Mouth, that is, without the addition of a Fourty and are therefore call'd Conformants. See CONSONANT.

The we ordinarily only recken five Verreit, yet, belides that each of these may be either long or short, which oc-easions a considerable Variety in the Sound: To consider casson as considerable Variety in the Sounds 1 To consider only when Difference relixing from the cliffrent Apreness of the Month, one might add more from more Power to the Newmonth on the Computer of the Computer of the Computer on the Computer of the Computer of the Computer on the Computer of the Computer of the the expens, and a close, in Helf, and Organ—Add that the pronounced my, as the Latun tild, and as the Halman and Spaniared Hill do, has a very different Sound from the m, as premounced by the Orreits, and as at this Disk yield Lightly the or must be computered to the Computer of the Lightly the computer of the Computer of the Computer of the Littly, the computer is originally more than a Sound to

Laftly, the e mute is originally no more than a Surd join'd to a Confonant when that is to be pronounced without a Vowel, as when it is immediately follow'd by other Cona Forest, as when it is immediately fession d by other Con-formatt, as in the World Autonumer—This is what the He-Ferer cell Softwar, effectility when it begins the Syllable: the Forest cell Softwar, effectility when it begins the Syllable; the Softward Conference of the Syllable is a practically the English, Zatin, &c. by reafant it has no proper Character to defign it; then in forme of the Vilgar Tongoes, particularly the English Zatin, &c. by it is expected by the Forest's adding it is Soand to the reth-Than, without regarding the Differences of the times Soand or Forest's to be longly or forments, one may distinguish Character, as a few of the Syllable is the Syllable in the Syllable is Character, as a few is to be soon to the Syllable in the Syllable is Character, as a few is to be soon to the Syllable in the Syllable is Character, as a few is to be soon to the Syllable in the Syllable in the Character, as a few is to be soon to the Syllable in the Syl

Characters, s, e, é, i, o, é, eu, ou, u, e, mutc.

VOX, in Law—Vecem non habere, is a Phrafe used by Bratton and Fleta, for an infamous Person; one who is not admitted to be a Witness.

admitted to be a Witnets.

UP.LAND, is high Ground, or, as fome call it, Terre

firms; opposite to fach as is moortish, marshy, or low: or

it is Pafture-land, which lies 60 bigh as not to be overslowd

with Rivers, or Land Boods.

UPRIGHT, in Architecture, a Representation or Draught

of the Front of a Building; call'd alfo, an Elevation. See

an Everton.

Uniform, in Heraldry, is used in respect of Shell-Fishes, as Grevices 16c, when standing upright in a Coat.—Institute as they want Firs, they cannot according to Gallius, be properly fall to be Haurient; that being a Term appropriated to fealy Fishes. ELEVATION.

to fealy Filhes.

URACHUS, in Anatomy, a membranous Canal in a Fatus, proceeding from the Bottom of the urinary Bladder,
the Navel to the Placenta, along with the umbilical
Veffels, whereof it is effected one. See UMBILICAL

Venies, where the Venichus in the Placeuts, forms a little oval Feftes, or Bladder, which ferves to receive the Urine ferrered in the Kidneys of the Futus, and that could not make its way thro the UVETPPs, by reading of the refulance of the Sphintler of the Bladder, which is not to be overcome but by Infpiration.

The Humour found in the Vestes of the Urachus, is still The Humour tound in the Fests of the Unstellar, is full in the greater Quantity, the higher colour'd, and the more like Usine 2 as the Fests is nearer the time of the Birth. The Ursebur is not plainly found any where but in Bruces 2 but there is no dispare but that it exists in an Human Fests.

Sec FORTUS, M. Drelmourr, a celebrated Professor of Anatomy at Leides, and some others after him, deny the Urachus to a hollow: Cn which Supposition it would not be casty to affign its Use, unless to keep the Bladder shrended to the Navel. But the former Opinion seems the best warranted. See

URANNIBOURG, a Term often heard among Aftronomers, being the Name of a celebrated Observance, i.e. a Castle on the Bittle Illand Feens, or Hume, in the Sund's built by that noble Dans, Tytes Brake, and surnish d with Instruments for observing the Courte and Motions of the heavenly Bodies. See Observary Not.
This famed Observatory, faithful about the Year 1580,

This famed Observatory, finished about the Year 1880, did not fulfit above feventeen Years, when Tylob, who little thought to have erecked an Edifice of so short a Derica, and who had even published the Figure and Position of the Heavens which he had choic for the Moment to lay the

the Heavens which he had chofe for the Moment to lay the first Stone in, was obliged to abandon his Country. Sone after this, those to whom the Property of the Hand Hussua was given, made it their Batiness to demolife Dra-niburgh: Part of the Ruins were differred into divers Places, the reti ferred to build Tycko a handfom Seat upon his antieur Ethate, which to this Day bears the Name of

Uranibourgh.-For as to the antient Uranibourg, there is

Upanibourgh.—For as to the antiem cranicourg, there is now no Footflep remaining. Twas here Tycho composed his Catalogue of the State. See Caratoous. M. Piesry, making a Voyage to Uranibourgh, found Tycho's Meridian-Line drawn thereon, to deviate from the Meridian of the World; which confirms the Conjecture of fome, That the Position of the Meridian-Line may vary. fome, That

DEMENDIAN.
URBICARY Provinces. See SURDERICARY.
URDEE, in Heraldry.—A Groft urdee, feems to be the
me with what we otherwise cell elector. See Clecher.
UREDO, the Blafting or Blighting of Trees or Herbs.
The Brand Bradway of Brighting of Trees or Herbs. to be the See BLAST and BLIGHT.

See Elear and Haiser.

Unare, is forestime and by Physicians for an Irching or Unare, it forestimes and the Tourist Country of the Country of Bladder. See Kidney, and Beadden.

Bladder, See Kinsky, and Bladder, See Kinsky, and Bladder, of the Perlimentum; and They lie between the doubling of the Perlimentum; and Neck, where they run, first, force fasce between Lie Casts, and then or; an into it Cavity.
They are composed of three Coats—The first in from the Perlimentum of the Coats—The first in from the Perlimentum of the Perli

The neighbouring Parts furnish them with Blood-Veffels;

The neighbourng farts turnith them with Blood-Veffels; and they have Neves from the Intercoftals and the Fortebra and the Fortebra of the Loins.—Their Cavity is fometimes controlled in three or four places, effectally towards the Bladder Sach as are fubject to the Gravel, and given to exceffive drinking, have them fometimes for much dilated, that one may put the End of once little Finger into them. See

STONE and GRAVEL. Their Obitruction causes a Suppression of the Urine. See URINE.

The Word is form'd from the Greek spir, meiere, to make Water

Water.

UNETHRA, in Anstormy, call'd allo Massus Urinearist,
UNETHRA, in Anstormy, call'd allo Massus Urinearist,
UNETHRA, in Anstormy, call'd allo Massus Urinearist,
occurrence of the Chiefe or the Chiefe or the Chiefe or of t is much wider, and more cafily dilated here than in the other Sev

ther Sex.

Mc Corptor gives us an Inflance of a Woman, wherein the Hymn was fo firm and impervious, that her Husband dianding no Philing twol's it, had que'nd hinfolf another thou's the firm of the Husband dianding no Philing twol's it, had que'nd hinfolf another thou's the Husband in the Cheer of the Bladder, where the test of the Corptor Corevoyile, except at the Ead which join the Neck of the Bladder, where the test had been the test of the Corptor Corevoyile, except at the Ead which join in the Neck of the Bladder, where the test had been the test of the Corptor that the Ead which give in the Neck of the Bladder, where the said had not a present the contract of the Cheer of the Corptor of the Corpt

Office in the Male Sea, wis. the Emission of the Secd. Sec. Research of State with a Caulit or Castery. Sec. Research of State with a Caulit or Castery. Sec. CAUVIL, and CAUVILLO, TOWN DYNN, q. d. Light and Perfellons, the Name of a kind of Omaneura belonging or Castery of the Sec. Research of Castery of Sec. Research Anderson to the People. Sec. Personser, Eff. 870 conceils Anderson to the People. Sec. Personser, Eff. 870 conceils Anderson to the People. Sec. Personser, Eff. 870 conceils Anderson to the People. Sec. Personser, Eff. 870 conceils Anderson to the People. Sec. Personser, Eff. 870 conceils Anderson to the People. Sec. Personser, Eff. 870 conceils Anderson to People Sec. Personser, Eff. 870 conceils Anderson to People Sec. Peopl

and received Answers by the Urim and Thummim.-What these were is disputed among the Criticks: Some take them to be the twelve precious Stones in the Breaft-Plate of the High-Prieft, which finne like a Flame of Fire. See Pacron at.

High Pricita-which Bane, like a Finne of Fire. See Paccen s.t., Others will have been, the ancient Trayshim, or Hotel hamas Figures carried by the Pricit, hid in the Fold of his Racke of Comes, and by which he audieved the Quellion of the Common of the Pricit. The Common of the Com

"Tis

"Tis ufually of Glati, and crooked; and fometimes fill'd is funnith Milk, to affwage the Pain of the Grant Market and State of URI

with Milk, to affwage the Pain of the Gravel.

URINARIA Fiftula, is the fame as Uretbra; fo call'd from its Office, to convey the Urine. See URINARY Paffage. 2 See SUREMARY

URINARY Paffage. } Sec {URETHRA.

URINARY Bladder. Sce BLADDER.

Pofice UNINARIA. 5 we 2 DILLOWER.

UNINE, a laught Extrement, of Plumon, feparated from the Blod in the Yolkeys, course'd thece: time the Blod in the Yolkeys, course'd thece: time the Blod in the Class of the Kidneys, from which arife numerous little pelluid Plusy, and Vins, which receiving the General Ories, as the Plumon of the Kidneys; from which arife numerous little pelluid Plusy, and Vins, which receiving the General Ories, as come to Carly with the Carly of the General Ories, as the Carly of the Special Carly of the Carly of

dy. SCC KIDNEYS, TATILLE, PRIVIS, URETER, BEAD-DERS, and URETHRA.

The Secretion of the Uries, then, is not perform'd by any Attraction, as fome will have it; or by any Emulico, as others; or any Fermentation, as others; or any Prediction, the state of the Uries of the Heart, and Ar-teries, whereby the Blood is driven than imaginarilla? Unner the University of the Processing of the Prediction, as others, or any Prediction, as others, as we have by the Blood is driven than imaginarilla? Unnership University Uni teries, whereby the Blood is driven thro' innumerable Turnings and Windings of the Veffels; attenuated by Reifflances, oppofite Motions, violent Concollions, and various Mixtures, till the more fluuid and ferons Part thereof, is furd'd thro' Canals finaller than the Blood-Veffels, and so collected and diffchargd. See Securation.

The Word Drive is form'd from the Greek Ven, which

The Word Drine is formed from the Greek Err, which ginglines the fame to thing, that the Bindo of the Emniperior Engines are the state of the Employee and the Conference Arreys, oneselyd that all the little Brackhen that figured have the extensive the Memberson of the Profitine wherein the Kidneys are composed, being by this means accordingly di-flective, and given them their red Golden; in that it is there there are the state of the Conference of the Conference of the thirty and given them their red Golden; in that it is there there are the conference of the Conference of the Conference that the Conference of the Conference of the Conference are fedined by the Copillary Braches of the Vines, which we red extensing the execution Dekts of the Profiting, which Science, An 1-79, the of the Urins. Big. Ideal.

are the first acceptace of the Urine. 2111, 2020. a. e. Sciences, A. 1.705.

Monfieur Morin, in the Memoirs of the French Academy, marks out a new Rout or Courfe for the Urine.—The ordinary soury one, which is the Paffago of any Liquor we drink throt the Stomach, into the Intestlines, thence into the Lactals, thesee into the Receptacle of the Chyle, thence into the Subclavian Vein, thence into the Caus, thence into the right Ventricle of the Heart, thence into the Lungs, and rhence into the left Ventricle of the Heart; thence into the thefice into the left ventrate of the Heart; mence into the Apria, these into the Emilgent Arrey, thence into the Kidneys, thence into the Ureters, and at last into the Blad-der; fecum too long and circuitous; confidering how readily Mineral Waters past, and what a speedy effect Asparagus is found to have.—Besides, that on this Principle, the Liquors we driok mixing with 6 many other Liquers in their way, fhould be greatly alter'd thereby; whereas we fre-quenly find a Tincture of Caffia, render'd by Urine almost as black as when first taken: and the like is observed of diother Liquers.

WES ORDER LAQUEES.

M. Morris, therefore, maintains, that a good part of the Liquer we drink, oozes thre' the Membranes of the Stomach, and fails into the Pedvis; where it enters the Bladder thro' the Poers thereof, without getting into the lettines, which are lined with too thick and vified a Humour

to allow it logrefs.

This System is confirm'd hence, That both the Stomach and Biadder, even of a dead Animal, are found easily permeable to Water

Accordingly, Dr. Morgan affures us, that if the Contents of the Abdomen be taken out of an animal Body, after it is just open'd; and the Stomach be fill'd with warm Wa-

it is just open'd; and the Stomach be fill'd with warm Ware, while the Fatz are yet recking; it he Liquor will pain into the Bladder, which will willuly receive is, and be fill'd into the Bladder, which will willby receive is, and be fill'd The fame Author adds, that if a Lighture he made upon the Uretrees, while the Animal is yet living, and the Blood continues to ricalize the this small ent off all Communication from the Kidneys to the Bladder; yet any Liduor with which the Stomach is full'd will pais ione the que with which the Stomach is full'd will pais ione the

Bladder. From the whole, the fome of our heft Anatomitis hold that a Circulation of the whole Mass of Blood is effected in five Micates, and others in two; which might account for the quick Paffage of the Urine; 'tis hard to conceive, but that part of it must go immediately from the Stomach Into the Bladder.

The general Defign of Nature in this new Urinary Drain,

33 J. V. K. I. is furgreded to be to prevent any fidules Flichners, or immediates. Diffusions of the Veilest upon drinking.

All the occurry Confequence, of this sylvent, the Anthora, No. Confequence, of this sylvent, the Anthora, No. Confequence, of this sylvent, the Anthora of the Condition of the Conditio

name never any incunsation to make Witer.

Vivines are offeriarious Kinda and Properties,—After drieking picetifully of any aspectom Fluid, the Orine is crude, ininjud, void of Sendi, and castly retain (4.—That yielded by
Chyle well concelted, is fluarier, more failer, leis copious,
from what feith, and more illimulating—That from Chyle
formwhat feith, and more illimulating—That from Chyle
and more feeth and fluorously, is redder, that per, failer,
and more feeth and fluorously, and concept the control of the

length of the control of the control of the control of the

length of the control of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of the control of the control of the

length of t long Abflicence, from Humours well concected and were off the folid Parts, is the least copious, sharpest, falrest, red-dest, most fetid, almost purify'd, and of all others the hard-

cit to retain.

The Urius, therefore; contains the watery Part of the Blood, its finarpelf, dishtleft, and most volatile Silt, and that nearest to be alkaline Kind; its finarpelf, melleft, and most volatile Cill, and that nearest to Paresiaction; and its finallest most volatile Earth. See Bason.

The Sail Armonias of the Autlents was prepar'd from Catalants.

mels Urine. See Armoniac.

And the Phosphorus, in use among us, from human Urine. Sec Phosphorus.

Salt-petre is likewise prepar'd from the Urine, and other excrements of Animals. See SALT-PETRE.

The Indians scarce use any other Medicine hur Cows

Urine.—The Spaniards make great use of Urine to clean their Teeth withal: So did the Celtiberians of old.

their Teech withal: So did the Catilberius of old. Urine is also udd in Dyleg, so forment and warm the Wood—Old Urine, tieges Silver with a fine gold Colour. The Different in the Urine are various. So Franches, Na. Retarding, Diametra, Stone, Nobecuta, Sc. Urine, in McGiene.—The Urine affects one of the principal Criteries, or Signs whereby Physicians judge of the State of the Tatient, and the Courfe of the Direction.

Sign, Symptom, Disease, &c.
In caffing, or examining Urius, the Things to be confidered, are, its Quantity, Colour, Smell, Tafte, Fluidity, and

derd, ers., in Spanning Chiener, Standt, 2768, Einläufty, and the Martern Verming therein.

In Standauer of Uriner, Indicates the Society of late December of the Chiener, Indicates the Chiener, Indicates the Chiener, Indicates the Society of the

a roo copious Urine; and in scure inflammatory Difeases, a bad Condition of the Vigers, Deliria, Phrenics, Convalfices, Death

Ruddy Urine, without any Sediment, in acute Difeates, indicates a violent Motion and Attrition among the Parts that conflitute the Humours, and between the Veffels and the Humours; a clofe intimate Mixture of the Oil, Salt, Earth and Water in the Humours; and hence a great Crudity of the Difeafe, and its long Duration, and great Danger.

—Such Urine prefages gangrenous Defructions of the finest
Veffels; chiefly those of the Brain and Gerebel, and thence Volfüs, shelefy habe ör the Brain and Gerbet, and thesee Doubst a difficult Celles a Bond, showlad Cittir, and all all these the worfs, as the Cririe is redder, and force of Sediment. If there he heavy quoins definent, is three special control of the control of

URS UROCRITERIUM, a Casting of Water; a giving Judgment of Discases by the Sight of the Utine. See U-

be branny, fealy, filmy, &c. it prefages the like, only worfe.

A yellow Urine, with a Sediment as before, denotes a Jaundice, and the Symptoms thereof in the Cutis, Stools, Hypechondriums, &c.

Hypechondruums, Efe.
A green Urine, with a thick Sodiment, decotes an attabilary Temperature, and that the Matter thereof is refolved,
and now extreetd: confequently America about the Precordia, Perturbations of Stool, Iliac and Colic Palos.

Black Urine, denores the fame with green, only in a

said how ciercuid; confequently Amsteires asset in the 27rerelatifi, Perruptions of Sood, like and Galic Hain.

The Comparison of th

URINE, in Agriculture, is of excellent Ufe as a Man

See MANNEY

LUNISA, na Agriculture, is of executed US às à Mue-Dre Acoustique Agriculture and Gordenie, prefet Dr. File Acoustique Agriculture and Gordenie, prefet Dr. for Ende, Trees, ifc. before Dung as posterating to the Rosen; said common Generally Physica, is a sti-much compilated of and Mr. Adresiner observes, rety-o quite said, saided from Eroden for tenderives to the much compilated of and Mr. Adresiner observes, rety-orated and the Compilate of the Compilate of the Con-catedors, know, was by whiting the molify, women-actively, and said Trees, two or the Crist size in in cartier Veiffels, placed under the Fluiks of the St wherein deep work forces, on their Parts, their preferre-tions of heit Bothle, Ife. with as much Gore a shelp to Mr. Hartisk, it in life Plats, Mr. Merime, dec. mak common Compilates, that for great an Imperior of the Metaphysis and the Compilate of the Parts, Mosel he For-matical Compilates, that for great an Imperior of the designated among unear of Parts, Board he For-

to remarkable a Strengtheor of Manare, fload be for independent on the state of the

UNER AL-Urns were also used at their Sacrifices, to put liquid th in. See Sacrifice.
They were also of use in the Sortes Prenestine, or Cing of Lets. See Sources.

ing of Lets. See Soutes.

At Rome, too, the Cuftern was to absolve or condithe Accused, by the Suffrages, or Calculi, which the Jucast into the Judicatory Urm. See Assources, &c.

Virgit corpetents Minus the Judge of Hell, shaking
Urm, to decide the Lets of Mankind—Question Minus

nam necest.

The Uru is fill the attribute of Rivers, which are problement of the property of the results of th ven, and ATTRIBUTE.

URN, URNA, was also a Roman Measure, for li Things; containing about three Gallons and a half of Meafure. See MEASURE.

The Word is compounded of \*sgs, Urine, and \*scriess, Criterion, Mark, Sign.—Hence allo the Words Uromany, Urolopts, &c.
URSA, in Altrosomy, the Best, Triones, a Name common to two Conficilations of the Northern Hemilphere, near

the Pole ; diffinguish'd by Major, and Minor. STREET ATTON.

Unsa Major, or the Great Bear, according to Ptolemy's Catalogue, confifts of 55 Stars; according to Tycho's of 56 5 but in the Britannie Catalogue we have 213: The Leagitudes, Latitudes, Magnitudes, &c. whereof, are as follow.

## Stars in the Constellation Unsa Major.

| nua-  |   | S | Lo                   | ngit     | nço                  | L                          | tekud<br>Vorth               | t. <sub>1</sub> | *               |
|-------|---|---|----------------------|----------|----------------------|----------------------------|------------------------------|-----------------|-----------------|
| dan-  | Names and Sisuations of the Stars.                          | Þ |                      | ,        | "                    | 1.                         | North                        | ٠,,             | Magn.           |
|       | no barrer n considera                                       | п |                      |          |                      | ١.,                        |                              |                 | 6               |
| otcs  | Deform. between Perfess and the ?  Head of the great Bear S | ж | 11                   | 57       | 20                   | 20                         | 34<br>56<br>33               | .71             | 5 6             |
| Cri-  | ment of the great sets 3                                    |   | 11                   | 52       | 15                   | 30                         | 38                           | o               | 5               |
|       |   |   | 13                   | 54       | 32                   | 34<br>43                   | 1 3                          |                 |                 |
| here  | A Star of Urfa Minor in Tycke                               |   | 16                   | 38       | 38                   | 43                         | 23 1                         | 7               | 4 5             |
| ght,  | 5   |   |                      |          |                      | l                          |                              | ш               | 6               |
| holo  |   |   | 14                   | 49       | 45                   | 32                         | m :                          | 7               |                 |
| lage. | Of Urfa Minor   |   | 14<br>16<br>17<br>16 | 59       | 57                   | 37                         | 23                           | 19              | 4 5             |
| hite  | Of Urfa Miner   |   | 17                   | 12       | - 5                  | 35                         | 53                           | 15              | 4 5             |
| and   |   |   | 16                   | 20       | 4                    | 28                         | 23<br>50<br>23<br>53<br>53   | 30              | 5               |
| docs  | 10  |   |                      |          |                      |                            |                              |                 |                 |
| ıble; |   |   | 17                   | 10       | 6                    | 30<br>34<br>34<br>33<br>40 | 52 :                         | 12              | 6               |
| otes, | Inform, between the Pole and Auriga                         |   | 19                   | 12       | 39                   | 34                         | 10                           | 39              | 6               |
| and   | Preced, the great Bear.                                     |   | 19<br>21<br>22       | 13       | 55                   | 33                         | 52                           | 0               | 5 6             |
|       |   |   | 22                   | 28       | 51                   | 40                         | 44 :                         | 13              | 5 6             |
| aurc. | 15  |   |                      |          |                      | ı                          |                              |                 |                 |
| rine  |   |   | 22                   | 47       | 57<br>0<br>41<br>45  | 38                         | 30                           | 25              | 6 7             |
| 12313 |   |   | 23                   | 20       |                      | 38                         | 1<br>8<br>39<br>27           | 8               | 6               |
| ts.   |   |   | 72                   | 27       | 41                   | 33                         | 8<br>39                      | 33              |                 |
| hing  |   | M | 23                   | 33       | 43                   | 33                         | 27                           | 40              | 6 7             |
| will  | 20  |   |                      |          |                      |                            |                              |                 | - /             |
| an-   |   | щ | 24                   | 29       | 32                   | 35                         | 29                           | 38              | 6               |
| and   |   |   | 24                   | 56       | 5                    | 36                         | 24 :                         | 34              | 5               |
| aten, |   |   | 25                   | 39<br>31 | 24                   | 34                         | 29 :<br>51 :<br>15 :         | ž,              |                 |
| the   |   |   | 27                   | 17       | 9                    | 35                         | 28                           | 5               | 5 6             |
| er'd  | 25  |   |                      |          |                      | 1                          |                              | 1               | , .             |
| talls | -,  |   | 27                   | 26       | 38<br>15<br>27<br>36 | 35                         | 42 :                         | 25              | 6 7             |
|       | 37th of Caffiepsia in Tysko                                 |   | 28                   | 10       | 15                   | 45                         | 52<br>33                     | 52              | 6 7 5 6         |
| the   |   |   | 28                   | 9        | 27                   | 30                         | 33                           | 8               | 6 7             |
| ung.  |   |   | 28                   | 20       | 56                   | 38                         | 34                           | 30              | 5 6             |
| kc a  | Perhaps, 32d of Coffiopeis in Tycho                         |   | 40                   | 40       | 50                   | 35                         | 37 :                         | , ,             | 4 5             |
| and   | 30  |   | 20                   | 1        | 42                   | 18                         | 20                           | 59              | 6               |
| mch   |   |   | 29                   | 11       | 43<br>0<br>35<br>0   | 35                         | 57 4                         | 13              |                 |
| wife  |   |   | 29                   | 44       | 35                   | 35                         | 3                            | 31              | .7              |
| wife  |   |   | 29                   | 51       | 0                    | 35                         | 13                           | 1               | 677             |
| the   |   |   | 29                   | 59       | 35                   | 35                         | 2 ;                          | 30              | 677             |
| rola- | 35  | _ |                      | +0       | 10                   | 24                         | ro ·                         | 1               |                 |
| Own   |   | 9 | 1                    | 27       | 12                   | 18                         | 50<br>13                     | 9               | 5 6             |
| and   |   |   | 1                    | 33       | 53                   | 38                         | 12 :                         | 0               | 6               |
|       |   |   | - 1                  | 51       | 12                   | 33<br>36                   | 34 :                         | 4               | 6               |
| but   |   |   | 2                    | 57       | 37                   | 30                         | 15 :                         | 20              | 5 6             |
| fcl-  | 40<br>35th of <i>Galfispeia</i>                             |   |                      | 31       | 17                   |                            | 23 2                         |                 | 4 5             |
| , in  | 35th or tagingene   |   | 2                    | 39       | 12                   | 45                         | 43 5                         | 3               | 4 5<br>4 6<br>5 |
| Fu-   | 33d   |   | 3                    | 28       | 17                   | 34                         | 43 5<br>0 4<br>21 1<br>24 2  | 7               | 763             |
|       | 34th  |   | 4                    | 2        | 18                   | 36                         | 21 1                         | 7               |                 |
| Por   | • •   |   | 4                    | 50       | 32                   | 35                         | 24 2                         | 12              | 4 5             |
| For   | 45  |   | 6                    |          |                      | 44                         |                              |                 |                 |
|       |   |   | 6                    | ó        | 2                    | 36                         | 9 2                          | 6               | 4 5<br>5 6      |
| one,  |   |   | 6                    | 23       | 32<br>35             | 37                         | 57 4                         | ю               | '6              |
| and   |   |   | 7 8                  | 34       | 35<br>50             | 36                         | 58                           | 2               | ç               |
| auu   |   |   | 8                    | 7        | 50                   | 30                         | 17 1                         | 5               | 67              |
| ings  | 50  |   |                      |          |                      |                            |                              | Ш               | 6               |
| go    |   |   | 0                    | 30       | 23<br>58             | 37                         | 20 1<br>58 2<br>47 9<br>53 9 | 5               | 5 6             |
| Caft- |   |   | ő                    | 31       | 20                   | 32                         | 47 6                         | 3               | '6              |
|       |   |   | ıí                   | 18       | 5                    | 26                         | 53 9                         | 4               | 5               |
| emo   | Inform following Awigs, between the                         |   | 11                   | 18       | 26                   | 37                         | 25 5                         | 5               | 6               |
|       | 55 Head of UrfaMajor and Gamini                             |   |                      |          |                      |                            |                              |                 |                 |
| -     |   |   | 12                   | 3        | 53                   | 35<br>36                   | 1 9                          | 5               | 5 6             |
| the   |   |   |                      |          | 5                    | 40                         |                              | 0               | 4 5             |
| ur-   |   |   | 14                   | 24<br>46 | 52                   | 34                         | 56 4                         | 5               | 6               |
|       |   |   | 16                   | 42       | 59                   | 25                         | 58                           | 1               | 6               |
| aint- | 60  |   |                      |          |                      |                            |                              | ı               |                 |
| Wa-   |   |   | 16                   | 42       | 47                   | 26                         | 9 3                          | 9               | 5 6             |
| the   |   |   | 14                   | 27       | 40                   | 38                         | 56 g                         | 1               | 5 6             |
| R.ı-  |   |   | 14<br>16<br>12<br>16 | 54       | 18                   | 30                         | 58 2                         | 8               | 5 6             |
| fuid  |   |   | 16                   | 37       | 18                   | 39                         | 21                           | 2               | '6              |
| quia  | ž ș   |   |                      | -        |                      |                            |                              |                 |                 |
| ~     | -,  |   |                      |          |                      |                            |                              | N               | ames            |
|       |   |   |                      |          |                      |                            |                              |                 |                 |

North, of preced, in the Back 145

|   | ~  | L:   | 357 ]  |       | . 0   |  |                   |
|---|--|--|--|-------|---|--|-------------------|
| Names and Situations of<br>the Stars.   | S Longitude.   | North 19   | Names and Situations of<br>the Stars.  | Sign. | ongitude  | Latitude.<br>North.                                      | Sign              |
|   | 17 11 39<br>16 18 8<br>18 13 48<br>17 33 11                              | 38 38 24 5 6<br>41 30 16 6 7<br>36 58 19 5 6<br>30 10 13 6 7             | In the preced, pofter, Knee<br>South, in the fubfeq, pofter, Knee<br>North, in the fame Knee | 収     | 4 10 12   | 35 31 46<br>24 46 5                                      | 4 3               |
| Inform. between Gamini and the fore-<br>70 foot of the Bear<br>In the Tip of the Note   | 95 23 6 54<br>95 18 10 28  | 23 2 58 4 5  | 150  |       | 5 0 37<br>2 20 15<br>9 52 42<br>7 38 30<br>1 16 32      | 26 9 3<br>36 46 34<br>35 46 45                           | 4 5 6             |
| Preced. of 2 against the Eyes<br>Subseq. of the firme   | 17 19 32<br>18 0 47<br>18 29 23<br>27 25 19                              | 44 33 1 4 5<br>44 35 29 6<br>43 59 38 4                                  |  | N 2   | 9 21 41<br>5 44 57<br>0 36 32                           | 32 41 24<br>36 12 0<br>31 14 49<br>37 17 9               | 56666             |
| Against the Jaw   | 21 16 o  | 42 12 40 5   | 195  |       | 8 33 40<br>0 1 48<br>6 30 15<br>0 43 46                 | 40 4 3   | 6                 |
| Preced, of 2 in the Forehead<br>North, in the preced, agrerior Foot   | 20 41 31<br>28 37 48<br>19 39 10<br>28 30 18                             | 44 53 29 6<br>25 2 44 5 6<br>47 54 43 4<br>29 34 29 3                    | South, in the Thigh  | Si to | 0 43 46<br>7 54 52<br>9 21 15                           | 29 15 46<br>56 11 51<br>27 6 16<br>41 32 23              | 6 7               |
| North, of the Inference under the Santerior Feet South, of the preced, Foot Pofferior in the Forehead Preced, in the Triangle of the Neck | \$\hat{1} 0 58 20<br>\$\hat{20} 53 39<br>29 37 3<br>20 58 41<br>23 15 30 | 23 41 53 4 5<br>47 28 38 6<br>28 57 11 3<br>47 48 5 5<br>44 33 3 4       | Bright Star in the Thigh; the South.<br>of the following in Square                           | 117   | 3 14 2<br>6 6 55<br>3 43 54<br>1 51 41<br>5 44 25       | 48 6 52<br>47 7 26<br>49 34 37<br>41 10 22<br>38 58 35   | 6 7 6 7           |
| Second of the Informes That noder the preced, Knee South, in the Triangle of the Nock   | SL 3 12 10<br>55 28 47 53<br>24 57 27<br>27 39 29<br>SL 2 57 59          | 20 51 27 5<br>53 25 55 4 5<br>42 47 58 5<br>38 85 45 5 6<br>25 49 20 5 6 | In the Root of the Tail; North, of<br>Squire of the following<br>In the South, Hip           | の現ので  | 5 35 54<br>0 5 37<br>6 40 40<br>0 52 24<br>4 51 53      | 51 6 44<br>48 46 41<br>51 39 36<br>38 34 36<br>45 37 34  | 7 7 3 6 6 5 6     |
| 90 That over the preced. Knoe Nor. of the brighter among 5 Informes South, of the fame  | 55 28 58 12<br>10 6 13 2<br>7 31 1<br>0 34 55<br>56 20 4 2               |  | North. in the Hip  | Mi i  | 16 34 28<br>10 28 30<br>3 29 14<br>18 27 25<br>13 13 35 | \$2 41 36<br>40 35 50<br>48 6 48<br>\$2 13 50<br>37 46 0 | 6 7<br>5 4        |
| 95<br>In Extrem. of the Ear<br>Pofter, io the Triangle of the Nock  | 22 0 38<br>26 29 5<br>N 0 26 16<br>4 51 16<br>3 0 30                     | 51 13 2 4 5<br>45 7 19 4 3   | That proc. the <i>Inform</i> , under the T   | N:    | 19 59 48<br>17 30 45<br>4 40 31<br>13 26 26             | 51 38 32<br>53 53 12<br>48 40 22                         | 6 7<br>6          |
| In the 1d anterior Knee<br>100<br>A less over this  | 3 6 16   | 35 20 16 4 S   | 180  | .0    | 14 45 13  | 40 37 42   | 4 5<br>7<br>6     |
| Last of 5 Differmes under the ante-<br>rior Feet  | \$ 6 16<br>\$ 20 54 4<br>\$1 9 27 57<br>10 1 37<br>8 48 39               | 20 17 29 6   | ift of the Tail  | Ω     | 17 12 4<br>18 30 28<br>19 27 18<br>4 31 25              | 39 51 39<br>61 3 41<br>48 51 12                          | 6 6 8             |
| 305   | \$6 28 8 57<br>\$1. 9 44 48  | 46 25 7 6 7<br>24 24 4 6 7   | 185<br>Bright Star under the Tail Informia   |       | 20 14 99  |  |                   |
| North of z in the Breath  | SL 9 44 48<br>SS 28 38 28<br>SL 2 21 49<br>1 56 55                       | 40 39 18 6   | That following the 1st of the Tail   | Ą     | 21 43 1<br>25 45 10<br>5 16 3<br>24 1 51                | 50 52 51<br>33 57 20                                     | 2 3<br>4 5<br>5 6 |
| South, of the fame  | 5 0 20<br>7 52 11<br>4 41 45<br>12 18 1                                  | 34 37 7 6<br>41 11 33 6<br>26 43 16 5 6                                  | Inform. prot. Bostes between the Tail<br>of the Bear, and Cama Berenice.                     | ş     | 25 7 8<br>23 4 4<br>25 13 27<br>21 42 25                | 41 59 50<br>41 51 18<br>41 40 11<br>43 40 31             | 7 7 6 7           |
| Preced. of Infirmer under the po-<br>fittion Feet   | 16 42 35<br>16 40 51<br>1 28 25  | 22 4 14 4 5  | 195  |       | 22 54 21<br>22 48 1<br>23 28 1<br>15 54                 |  | I.                |
| North, in the preced, potter, Foot South, and pofter, in the fame Foot  | 1 53 10  | 29 52 27 4 3   | Middle of 3 bright ones in the Tai   |       | 23 28 1<br>15 54 1<br>24 23 2<br>11 18 5                | 44 6 31  | 8                 |
| 2d of the Informer under the post Fee<br>3d and North, of the same  | SL 2 34 45<br>12 20 13 16<br>20 16 16<br>10 16 4                         | 25 3 44 4  |  |       | 11 29 31<br>5 22 5<br>20 0 5<br>12 48 4<br>16 53 2      | 52 52 1  | 5                 |
| 115   |  | 2 28 51 47 5   | North, in the fame Triangle  |       |   | 1  |                   |
| Prec.in the Bale of an Oxygonous \( \subseteq \) of Informer, under the Bear's Feet \( \subseteq \)                                       |  | 7 21 30 55 4 3<br>44 28 41 6   | -  |       | 14 55 4<br>1 38 2<br>1 47 3<br>6 58                     | 45 23 40   | 2                 |
| 130   | 12 5 5   | 777777   | Laft of the Tail   |       | 10 25 2   |  | i .               |
| Subfeq. in the Base of the Oxygon   | 26 35 31<br>11 5 1.<br>13 11 3   | 44 49 12 6<br>21 3 25 4<br>46 48 33 6                                    | Informer towards Bester's Belt Lift of the Triangle over the Tail                            | =     | 22 34 24<br>5 20 10<br>5 25 4<br>5 43 4<br>18 51 20     | 54 24 6<br>42 31 4<br>42 25 12<br>42 18 1<br>58 25 13    | 7 7 6             |
| 135   | 10 1 4   |  | 215  | ıl.   | ,. 2  | 1 20 27 13   | 10                |
| In the Apex of the Oxygonous Triang<br>In the preced, potter, Leg   | 26 31 4<br>22 10<br>26 59 1<br>27 23 31                                  | 9 24 56 4 4<br>5 33 3 5 5 4<br>24 54 27 6                                | Unsa Minor, the little 2   | ear,  | call'd al   | fo Charles's   | Wain,             |
| 140   |  |  | North Pole, gives the Denos<br>See Pole, Arcric, Se.   |       | 60  | -C 0 0   | 1                 |
| South in of preced, or in the Sid   | 24 46 14   | 31 3 16 6<br>45 6 16 2   | Ptolemy and Tycho make<br>Mr. Flamftend of 14: The   | Longi | tudes, I  | atitudes, I  | Magni-            |

| Ü | S | E |  |  |  |
|---|---|---|--|--|--|
|---|---|---|--|--|--|

[ 336 ]

Stars in the Confiellation Unsa Minor. 50 Longinda | Lei

| Names and Situations of the Stars.     | ign. | Dungitude |    |    | North- |           |    | Sep |  |
|--|------|-----------|----|----|--------|-----------|----|-----|--|
| •                                      |      | ۰         |    | "  | 0      |           | 11 |     |  |
| A fmall one contiguous to the Polar    | I    | 23        | 26 | 40 | 66     | <b>c8</b> | 04 | 7   |  |
| That over the Polar                    |      | 17        | 06 | 23 | 65     | 16        | 00 | 7   |  |
| The last of the Tail; the Pole-Star    |      | 21        | 14 | 4t | 66     | 04        | 11 | 2   |  |
| Praced, of two before the Shoulder     | 96   | 18        | 26 | 41 | 70     | 18        | 17 | 5   |  |
| Subfeq. and more South                 |      | 04        | 00 | 09 | 71     | 25        | 04 | 5   |  |
| 5                                      |      |           |    |    |        |           |    |     |  |
| Bright one in Shoulder, praced. of [1] |      | 08        | 14 | 40 | 72     | 48        | IO | 2   |  |
| In the Breath, the most South of the   |      | 17        | II | 36 | 75     | 13        | 15 | 3   |  |
| Preced, of two in the Lains            |      | 25        | 45 | 45 | 74     | 41        | 52 | 6   |  |
| Sables, of the fame, North of the      |      | 23        | 03 | 10 | 75     | 04        | 45 | 4.5 |  |
| Praced, of two in the Side             |      | 36        | 27 | 41 | 77     | 24        | 10 | 5 6 |  |
| 10                                     |      |           |    |    |        |           |    |     |  |
| Brighter in the Side, fubfeq. of the   |      | 25        | 56 | 25 | 77     | 49        | 28 | 4.5 |  |
| In the Root of the Tail                |      | 04        | 45 | 04 | 73     | 13        | 26 | 4   |  |
| Laft but one of the Tail               | TT   | 26        | 50 | 20 | 60     | 54        | 37 | 4   |  |
| Another follow, this, nearer the Pele  | -    | 26        | 45 | 00 | 69     | 31        | 27 | 7   |  |
| **                                     |      |           |    |    | 100    |           |    |     |  |

URSULINES, an Order of Nuns, which observe the Rule of St. Angulin; and are chiefly noted for taking on them the Education and Instruction of young Maids. See ORDER, and RELIGIOUS

They take their Name from their Instituttes St. Urfills ; The Upitalines have forced exceedingly in France, &c.
within these few Years.—Few Maids but are put out to

within their few Years.—Few Maids but are part out to School to them.

LEAGURE 1. See C. Alaccaptriou.

USANCE, in Canguage See C. Alaccaptriou.

USANCE, in Commerce, in Leading, 178, is a determinate time for the Psymens of Bills of Eachange, reckord either from the Day of the Bills sheigh accepted, or from the Day of their date and than call'd, because regulated the commerce of drawn. See BILE, and ExcHANGE.

Bills of Exchange are drawn at one or more Ufances, cither from fight or from date.-The Italians fay Ujo doppio,

ther from fight or from date.—The Indiana by 10t depth, for double Ulpras, or two Classes.

That There is image or thrower according on the different Class There is only the control of a graph of the Classes. The control of the Classes (Direct of the Classes) and double Classes, Classes or through a defaulty Classes.

The Manufacture of Classes of Bills davant from England, Fronton, and France, is we bloom for England Fronton, and France, is we bloom for England Fronton, and France, is we bloom for England France, and England of Bills after on the Frenton Anderson of the Classes, and Anglore, is the Days after Englander of the Classes of the Englander of the E

Months after date.

Meinha after date.

At Milea, "Joine of Bills drawn from Gensa, is cight plan Aid Milea," Joine of Bills drawn from Gensa, is cight plan Aid Milea, "Joine of Bill drawn from Freier, swenty Days after Date.

At Fleenese, "Quance of Bill drawn from Binnigan, is three Days after fight—From Rome ten Days after fight—Brown from the Days after fight—From Aid Fleenese, "Gense of Bills of Exchange drawn for Aid Rome, (Gipter of Bills of Exchange drawn for Milea Aid Rome, (Gipter of Bills of Exchange drawn for Milea Fleenese of Bills of Exchange drawn for Gense for Steele or From the Seene creeded to fifteen. In the Gense of Bills of Exchange drawn for Gense for Steele of Bills of Exchange drawn for Gense for Steele of Bills of Exchange drawn for Gense for Steele of Bills of Exchange drawn for Gense for Steele of Bills of Exchange drawn for Gense for Steele of Bills of Exchange drawn for Gense for Steele of Bills of Exchange drawn for Gense for Steele of Bills 
At Leghorn, Ujance of Bills drawn from Genoa, is eight Days after fight: From Rame, ten Days: From Naples, Days after fight: From Fame, ten Days: From Fame, ten Days. From Fame, three Weeks; From Fenice, twenty Days after date: From London, three Weeks; and from Amsterdam, forty Days.

At Amsterdam, Usance of Bills drawn from England and Frame, is a Month after date: From Venice, Madrid, Ca-din, and Sevil, two Months.

site, and Seril, two Months.

At Genne, Ufence of Bills from Milan, Florence, Legborn, and Luces, is eight Days after fight: From Venice, Rome, and Busigare, fifteen Days: From Neples, twenty two Days: From Serily a Month after fight; or two Months after date: From Serily and Month after fight: From Milays, Month after fight: From Milaysey, Amelians, a Month after fight: From Milaysey, Amelians, and other Places, in the Lann Countries them. and other Places in the Low Countries.

Months after date. USE, in Law, the Profit of Lands and Tenements.

A Deed conflits of two principal Parts.—The Premises, which includes all that comes before the Habendum, or

which includes all that come before the Halecadum, or Limitation of the Blazes; and the Choppingant, which is the Limitation of the Blazes; and the Choppingant, which is the of the Elfate, or Property the Party field receive by the Deed. The other of the Up, experiling to, or fee what Up and Benedit the fluid have the firm. See Dyan. Up and Benedit the fluid have the firm. See Dyan. In the Chopping the Chopping the Chopping the Up and Benedit the Hall have the firm. See Dyan. In the Chopping the Chopping the Chopping the Justice Testaman's before which Statum, no fach Up's were known.— And because, in course of time, namy Decesia were invented by fartfling the Defettion in

USO one Man, and the Ufe in another, it was enached, Anno 17 Hen. VIII. That the Ufe and Possession of Lands should always fland united.

always final united.
Urs, and Coffeen, in the antient Law Books, is the ordinary Macheel of alting or proceeding in any Clife, which
by length of Time has obtaind the free of Law. See
length of Time has obtaind the free of Law. See
USER & Affirm, in Law, is the purfaint, so bringing an
Aftion. See Activities, in Law, is the purfaint, so bringing an
Aftion. See Affirm, in Law, is the purfaint, so bringing an
Aftion. See Affirm, in Alw. See are certain Massims,
Radios. See Affirm, which make the Radio of Ground word. See
Affirm of United Williams of the See are certain Massims,
And, sor Utgers, which make the Radio of Ground word. See
vigation, and Commerce of p. See are regulated. See Mavigation, and Commerce of the See are regulated. See Mavigation, and Commerce of the See are regulated. See Ma-

VIGATION, COMMERCE, S.c.
These Ufes and Customs confist in three kinds of Regu-

lations: "The first, wall'd Letter to Professeats of Oteron, were made." The first, wall'd Letter to Professeats of Oteron, were made resume from the 1809. Wer; said that chiefly from Mannessea which the had gasherd in the Letter, where Commerce was at that time in a very floatifhing Condition, were commerce was at that time in a very floatifhing Condition, on the readed in an ideal of that Name in the By of Aquissian.—They were much augmented about the Year 1366, by her Letter (Mannessea, 1986) and in the return from the 1867 Letter (Mannessea, 1986).

Sold Ricears, King of Engines, on the recent them and thely Land.

The fecond Regulations were made by the Merchants of Yuliny, a City in the Illand of Gothland in the Baltic, an-tiently much fined for Commerce, most of the Nations of Europe having their Quarters, Magazines, and Shops

therein.
These were compiled in the Tetrane Language, and are fill the Rule in the Northern Construct Language, and are fill the Rule in the Northern Construct. That Date downst against the Construction of 
Ordinary. Sec Chambers.

In the Prence Court there are two Ulbert of the Anti-Chamber, or Hall where the King dines in publick.—They wait Sword by fide, all the Year, and open the Door to fach as are to come in.—There are above fastered Ulbert of the Chamber, two of the Cabinet, and one of the Order of the Major Sec.

The Ulbers of the Inquifition in Spain and Portugal, are Perfons of the prime Quality, who think themselves highly honour'd by only looking to the Doors of the facred Tribunal. See INQUISITION

nal. See INQUISITION.

Usura is also used for an Officer in the Exchequer; of which fort three or four do attend the chief Officers and Barons, at the Court at Welminister, and Juries, Sheriffs, and other Accomptants; at the pleasure of the Court. See Ex-CHEQUES. Usurn of the Black-Rod, is an Officer conflitted by the

Usinn of the Black-Rod, is an Olincer conditineed by the Founder of the Order of the Gerter. See Garven.

In a Chapter held at White-ball, 12 Ger. II, it was or-dained, that it should be fixed to one of the Gentlemen-Users, deliy Waters at Court; the cledes of which always, holds the Place; and is call'd Gentleman-Usher, and Black-

Nos.

In relation to the Order of the Garter, he is appointed to carry the Rod at the Feath of St. George, and other So-lemities, which he makes at ord as an Authority to attach Delinquents, who have offended against the Strautes of the Order, which he frequently doth by touching them therewith.

—He weats a GoldBadje, embeldished with the Badjago of the Order. —He has an Hoad in Windfer-Badjago of the Order. —He has an Hoad in Windfer-Badjago of the Order. —He has an Hoad in Windfer-Badjago of the Order. —He has an Hoad in Windfer-Badjago of the Order. —He has an Hoad in Windfer-Badjago of the Order. —He has an Hoad in Windfer-Badjago of the Order. —He has an Hoad in Straight. ifile, and other Privileges. See Black-Red.
USNEA, in Natural History, a fort of Phot of the Mois
ind, growing on the Oak, Codar, and divers other Trees.

Kind, e Moss

Usera Himans, is a finall greenish Most, growing on human Skulis, that have lain a long time exposed to the Air.
"Tis very stringent, and held proper to the Hemorrhagea.——It is also an ingredient in the Waspan-Saire of Pa-

raceffst, and Crellisst.

USQUEBAUGH, a ftrong, rich, compound Liquor, tchiefty taken by way of Dram; its Baffs being Brandy, or rectified Spirit of Wine.

The Procefs is fomewhat various, and the Ingredients number of the Procefs is fomewhat various, and the Ingredients number of the Procefs is fomewhat various, and the Ingredients number of the Procefs is fomewhat various, and the Ingredients number of the Procefs is fomewhat various, and the Ingredients number of the Procefs is foreign and the Ingredients number of the Ingredient as a Specimen.

UTE

US U SU Callons of Bracky, or Spirits, just a Possal of System (Description, 1987). The process of Carmon a three of Dates Bred Syres of the State o

The Uflion of Minerals, is a more imperiest kind of alcination. See Calcination. Calcination.

Calcination. See UALCINATION.
The Word is form'd from the Latin treere, to burn.
USUCAPTION, USUCAPTIO, in the Civil Law, is an Acquisition of the Property of a Thing by a Poffersion and Enjoyment thereof for a certain term of Years prescribed by Law. See Prissession.

Law. See Prissingles.

Some make a Difference between Prefeription and Ufficestion, maintaining that the latter is only uled with regard to Moveables, and the former with regard to Immoveables.

But there is no effectial Difference between 'em, and actional Confession of the Proposition of the Pro cordingly, Preferrition and Unicaption, are generally held Synonyma's. See Preserrition.

Synonymas. See Tanascarrians.

USUFRUIT, Usus-Fauerres, in the Civil Law, the Enjoyment or Poffession of any Effect; or the right of receiving the Fruits and Profits of an Inheritance, or other Thing, without a Faculty of alienating or damaging the Property thereof. See Possession, &c. When the Ufufructuary dies, the Ufufruit returns to the

The Dowry or Jointure of a Widow is only an Ulufructu-

and control of plantate who we would an experience and cannot dispose of the Principal. See Downa.

All mutual Presents between Man and Wife, only import the Ufufruit of the Goods of the first that dies, to the Pro c Survivor.

The Incombents of Benefices are only Ufufrulluary. See BENEVICE.

An Ujufruttuary has full Right over the Coppies; but can't fell Timber-Trees. USURER, a Person charged with a Habit or Act of sury. See Usury.

c Laws of our antient Soxon and Norman Kings, a

Est Usura suos quisquis tradit mibi nummos Spe lucri, famus duples Ufura vocatur.

USURIOUS Contract, is any Bargain or Contract, where-

USURGIOUS CONTRACT, IS ANY DATEGAIN OF CONTRACT, WHISTO-by a Man is obliged to pay more Interest for Money than the Statute allows. See INVERENT and USURY. USURPATION, in Law, the Enjoyment of a thing for continuance of time, or receiving the Profits thereof. See

USUCAPTION USURY, Usura, in the general, is an Interest, Gain, or Profit which a Person makes of his Money or Effects, by lending the same; or it is an Increase of the Principal, exacted for the Loan thereof; or the Price a Borrower gives for the U/s of a Sum credited to him by the Lender; call'd also Ufe and Interest, and in some antient Statutes, dry Ex-

ails Offe and hurreft, and is four-enders Statutes, day Ex-change, Sec. berrus ey, and Excursan as and Staffe, da-change, Sec. berrus ey, and Excursan as and Staffe, da-fe at unlawful Froit which a Ferfor makes of his Money, in which Send it is, that Liftyn is forholden by the Criti and Eccleffulfield Law, and even by the Law of Nature: In his Sendar it also, that it is held Liftyn or in red Money in the Sendar it is send the Law of the Sendar it is the Finelpal, and so thipsiates lateret for Money which is not employ din Tales, now being sup Protriotoch Feffen who ecclevist: I But as the Lain's World Offices, a stain the Plant theoret Clarke, and by the undertable of a lastef lateret, we

don't fee why Ufury mayn't be used in English, in the same

narmics cente.

By the antient Reman Law, Pcopie were allow'd to lend
out their Mency at one per Cent, per Month; which was
1s per Cent, per Annum.—If they recoved more, they wis
carr'd the Note of Infamy, and the Overpins was charged
on the Princip.

on the Principal

on the Finisipal.

This Rate of Unitry was allow'd of as low as the Timid
This Rate of Unitry was allow'd of as low as the Timid
Fapilitation, who moderated it a little by the acth Law
for all all from the Law for the Canon
Law forthid all for the Canon
which Problibition, the calionary Law don't allow any lensel to be excelled for Money lens on a fimple Promile or
Fine Canon State of the Canon Canon Canon
Fine Canon Canon

Which is a Kind of having an amount Revenue. Which is a kind of buying an annual Revenue.
So that in Propriety, undergind Uffery conflish in extorting an exceflive Rate for one's Money, beyond what is preferibed by Law.

Du Moulin indeed makes Ufury, taken in the ill Senfe, be a Profit exacted for a Loan made to a Person in count a timating, That it is unlawful to extore Gain from the intimating, Affifiance given to the Unhappy, or to convert an Office of Humanity into a mercenary one.—The Reason is, that Money is a barren and fruitless Thing in the Hands of a Per-Money is a barren and truttlel. Thing in the Hands or a ser-fon whom Neceffity obliges to borrow; and that being lent him to be spent, he can make no Advantage of it: Where as the principal Pretext for requiring lawful Interest, is, that the Person who lends, may flare in the Profits thereof with the Person to whom it is lent.

no refoot to woom it is tent.

Notwiththanding, moft of the antient Canoniths infift on a rigorous Observation of that Precept in Deuteronomy, Non Seneraberts frastring. Thou shalt not lend Money to the Brether, on Offers: And plead that nothing be required further than the Principal.

uniter than the Frincipal.

However, in Life, we call nothing Offiry but what exceeds
the Bounds preferibed by the Laws: So that when a Perfor does rot allienate his Frincipal, or takes Interest beyond
what is limited by Strattet, their alone are Offiry.

Be the Sars. Conc. I am Men is sillowed in take above

what is limited by Statute, thefe alone are UPDY.
By the Stat. 1 a Gar. 1, no Man is allow'd to take above fix Pounds for the Forbersance of one hundred Founds for one Year, under certain Fenalises therein no joind.——And by a later Stat. 1 Georgif, no Man must take above five Consider of the Cocation.

The Counds for the like Occation.

The State of The Cocation Terms of States and Proportions. See Ratte, and

Proportion.

Ser J. Neerge aligns in Ule thus: If indeterminate Quantities of diven kinds be compared together, and one state of the proportion of the propo

in the fame Ratio with  $p_{NXXX_i}$  that is, A and  $\frac{1}{p}$  are to each other in a given Ratio. Phil. Nat. Princ. Math. U.v., in Mufic, the first of the mufical Vores. See Norz. U.v., re, mi, fa 5 the Clef of G, vz, fd, uz; of C, fd, uz,

Sec. This Note, with the reli, were taken out of the Hymn of Sit. Fabin Brightly. The general leasts, Sec. Sec. Musics, and the Brightly of th ro Hon

Bracton.

UTENSIL, a little domeftic Moveable, belonging principally to the Kitchen.—Such are Pors, Pans, Plates, 2fc.

Chenfil is particularly ufed in War for the Moveables which the Hoft is obliged to familit the Soldiers quarted with him y which are, 2 Bed with Bed-clothes, 2 Port and a Spoom.—They are likewife to have a place at their Hoft's ire, and Candle.

Usenfils are formetimes furnish'd in Money, and sometimes in Kind. The Word is form'd from the Latin Grensile,

which fignifies the fame thing.

which figuifies the fame thing.

UTERINE, UTERINE, (JUTERINE, Something belonging to the

UTERINE, UTERINE, Something belonging to the

UTERINE, UTERINE, BROWNER of Silfer, are those born of the

fame Mother, but different Fathers. See Baownin, 156.

Fayor UTERINE, in Medicine, is a kind of Madnets,

attended with laferious Speeches and Gethure, and an in-

vincible Inclination to Venery.

The Furor Uterinus, is a Complication of hysterical Symptoms, ariting from a Turgefeency or Inflation of the Userine Veffels. Sec Hysteric.

Rere

UVU VUL

It is nfually supposed to consist in some irregular Motion of the Spirits, occasion of by a hot, lustful Temperament, the Conversation of debaseful Persons, or the reading of wan-ton Books, hor Poods, the Abundance and Acrimony of the ferous Matter which mossens the Pudendum, Suppression of the Menses, large Doses of Cantharldes, &c.

the Menics, large Doles of Cambardos, Eff.
I has been frequently found, that Midst itstat were held
to be polificid, were only listed with the Organization
for the profit of the Cambardon of the Cambardon
for only, with a Yudhing in the Face, and a Refriention
and Palic Frequently intermitting, and fundedny varying—
During the Practy with the by the Green of the Cambardon
and then line a Fir of Tears, Gr.
and then line a Fir of Tears, Gr.
Grick, any proper during the Fix.

cines, are proper during the Fit.

Men are subject to the Discase as well as Women; so that
it might with more Propriety be call'd, the Furor Venerens,

or Venereal Fury.

It had its Name Furer Uterinus, from an Opinion, that it proceeded from Vapours rifing from the Womb to the

UTERUS, in Anatomy, the Matrix or Womb of a Wo-an; or that Organ of Generation wherein the Bufiness of Conception is perform'd, sad wherein the Embryo or Fetus is lodg'd, fed, and grows, during the time of Gestation, or till its Delivery.— Its Description for under the Article

Its Office, &c. under GENERATION, CONCEPTION, GES-

ATION, FORTUS, Ec.
Vagina UTERI. See Vacina.
UTILE, a Latin Term fignifying profitable or ufeful;
metimes ufed by English Authors in the fame Senfe. consciunces used by Explift Authors in the laime Senfe.

The Othle and the Othles, Profit and Delight, are both to
be sim'd at in Poerry; but it is disputed which of them is
to be sim'd at in the firth place.—Correlite fays expently,
Dans la Tragedie l'utile u'entre que feas la forme du de-

leffable. See PORTRY.
In the Language of the Philosophers, there is nothing

Title but what is just and honest: Nibit bonum nist lonestum: nibil matum nist surge. Clc. de Fin. lib. s. UTLAGATIO, in Law Term, an Out-lawry. See Our-

TAWRY. UTLAGATO capiendo, quando utlogatus in uno comi-tatu postos fugit in Alium, a Writ for the apprehending a Man who is outlaw'd in one Country, and slies into another.

Sec OUTLAWRY UTLAGH, UTLAGRUS. SCO OUTLAW. UTLAND. SCC INLAND.

UTLARY, or UTLAWRY. See OUTLAWRY. UTRUM. See Assiss.

UTTER, or Outer Berriflers, are fach Candidates as, in regard of their long Study and great Induftry beflow? upon the Knowledge of the Common Law, are call? do ut of their Contemplation to Practice, and in the View of the World to take upon 'em the Protection and Defence of Clients. See BARRISTER.

In most other Countries they are call'd Licentiates. See

LICENSTATE.

They have their Name Utter Barrifters, q. d. Picaders outfer the Bar, to diffinguish 'em from Benchers, who have been Readers, and are immerimes admitted to picad with-Does Readers, and are formerines admitted to pical while in the Bits; as the King's Concell are. See Directions, &C.
UYEA, in Assuming, the third Report from the Bits; as the King's Concell are. See Directions, &C.
UYEA, in Assuming, the third Report from the Report for the Concellation, and the Report for the Concellation, and the Concellation of the Readers, &C. Concentration, The Report for the the the Former form the Plan Matter. See Concentration and the Readers of the Readers Tunic, and Coffice Publishers.

call'à Unes.

Of the Daplicature of this Fart, is form'd that fittped, variegated Carles, call'à the Drit. See last.

Of the Daplicature of this Fart, is form'd that fittped, variegated Carles, call'à the Drit. See last.

In the latch Speck, which is the Sight, or Papil of the Eye and about which the Iris forms a Ring. See Prest. From the indice of this Membreste, Spring certain Fibres, which Speed themselves round the crystaline, Humons 16th.

See Present Carles Car

the Ligamentum Ciliare. See Cittare, and Cavaratting.
VULVA, a Name some Physicians give to the Uterus, or Womb.
The Word Vulva, is Latin, thus call'd, quaft Valva,

a Door. See UTERUS.

a Door. See UTERUS.
Value is fornetimes also, the less properly, used for the
Pusicandam Musichre. See Pudentum.
Vulva Cersorir, is an oblong Purrow in the Brain; fo
called from its likencis, in Figure, to a Female Pulsa.
VULCANO, among Naturalitis. See VolcaNo.

VULGARN, among Naturalius, See VOLCANO.
VULGARE Fractions. See Pasterion.
VULGARE, a very antient Latin Translation of the Biblio and the only one the Church of Rome acknowledges authentick. See BIBLE.

The antient Vulgate of the Old Testament, was translated almost Word for Word, from the Greek of the Seventy. The Anthor of the Version is not known, nor so much as guels'd at. See SEPTUAGINT It was a long time known by the Name of the Italia, or

It was a long time krown by the Name of the Bulke, or Old Verflow; as being of very great Antiquity in the Lastin Church.—It was the common, or only ar Verflow before S. Ferom made a new one; whence its Name Vulgate. Nobilits in 1583, and F. Morin in 1628, gave new Edi-tions of it; petending to have reflored, and recollated it from the Antients who had cited it.—The Vulgate was held

by S. Augustine to be preferable to all the other Latin Verby S. Angulline to be preferable to all the other Lettin Ver-finen then extant; as rendering the Words and Scale of the facred Text, more closely and juffly than any of the reft. It has fines been re-tunch'd from the Corrections of S. Je-your; and 'tis this Mixture of the antient Lettie Verifien and fome Corrections of S. Jerom, that is now called the Vallsete, and which the Council of Trent has deciard to be authentick

"Tis this Vulgate alone is used in the Romifb Church, ex-cepting for some Passages of the antient Vulgate left in the Missal, and the Pfalms; which are still sung according to the old Italie Version. See Branz.

Vulgate of the New Testament.—This the Romanists ge-rally hold presentable to the common Greek Text; in regard 'tis this alone, and not the Greek Text, that the Council of Trent has declar'd anthentick: Accordingly, that Church has, as it were, adopted this Edition. The Priefis read no other at the Altar, the Preschers quote no other in

the Chair, nor the Divines in the Schools.

Yet fome of their best Authors, F. Boulsars for instance, own, that among the Differences that are found between the common Greek and the Vulgate, there are some wherein the Greek reading appears the more clear and natural than that of the Latin; so that the second might be corrected from the first, if the Holy Sec should think fit.—But rhofe Differences, for the generality, only confit in a few Syllables or Words: They rarely touch the Sonfe. Befides, in fome of the most confiderable, the Vulgate is authorized by feveral antient Manuscripts.

Boulours from the last Years of his Life, in giving a
French Translation of the New Testament, according to the

Vulgate.

Vergets, a new Jedisco of the Greek Technenest was In 1615, a new Jedisco of the Greek Technenest was In 1615, a new Jedisco of the Technenest was less therein, to compare the common Greek Techn with all the most anticut Manuferges in Diguida, Fernare, Spike, and Jong and to most the Manuferges and Jedisco and Jedisco and Jedisco and Jedisco and Jedisco diverse Versions of the Bilds in the valgar Fongue, observe of the Poligar, that there is no Version in any Language Pallages that occur in the most electronic Greek Manufergus, with the fame Vallages in the Polyate, where there is any difference between that and the common printed Greek.

officerum comments of the Time the antient Re-tific, at Folgate Verfino of the New Tellament was made, it, or Volgate Verfino of the New Tellament was made, volgate verfine it was afterwards compared with the Grozek Manuferipts by S. Forms 3 as they were then nearer the Times of the Apolltes, they had justice Grozek Copies, and those better kept than any of those used when Printing was Comments was Centuries seen. those better kept unan any ...
first set on soot, two Centuries ago.

M. Simon calls the Greek Version of the Seventy, before

M. JAMES CAIL THE GYPEN VERIEN OF THE SEVENTY, Before it was revis' and reformed by Origen, The surface Vulgate Greek—Origen's Corretion gos the upper hand of the amount of the content o

WOUND, and ULCER.

There are divers Vulnerary Herbs; as Ariftolochia, or Birthwort; Saniele, or Self-heal; Plantain, Moufe-Ear, Vermica, or Fluellin, Agrizanty, Vervein, or Holy Herb, Ec.
There are also Vulnerary Petions, composed of various
Simples.—Vulnerary Balms, Unguents, Plaisters, Ec. See Balls, &c.
The Word is form'd from the Latin Vulnus, Wound.

The Word is form'd from the Latin Fulinas, Wound. VULTUS de flates. See Vergostics. UVULA, in Anatomy, a round, foft, frongeous Body, like the End of a Child's Finger; fulpended from the Fa-late, near the Foramina of the Nodrils, perpendicularly over

Its uic is to break the Force of the cold Air, and prevent its entering too precipitately into the Lungs. See RESPI-

It's form'd of a Duplicature of the Membrane of the Pa-late; and is called by fome Authors Columella, and by others Gargulio It is moved by two Pair of Muscles, and suspended by as many Ligaments.—The Muscles are, the External, cal-led the Sphenostaphilinus, which draws the Uvuls upwards

## UVII [ 339 ] and backwards; and hinders the mafficated Aliment i

UZI

saffing into the Foramins of the Nothrils in Deglutition. See Sphenostaphilinus. And the Internal, call'd the Pterygoftaphilinus; which draws the Uvula upwards and forwards. See PTERYGOSTA-

PHILINUS

Both Mucles move the Uvuls upwards, to give room for fwallowing; and ferve to raife it, when relax'd and fallen down.—In which Cafe, 'tis usual to promote its riflog, by ap-

plying a little heaten Pepper on the End of a Spoon to it. See DEGLUTITION.

See DEGLETTION.

\*\*Bartbellin slay, that foch as have no Uvuls are fubject to the Phthific, and ufually die thereof, by reason the cold Air, catering the Lungs too haftly, corrupts 'em.

UXORUM, in Antiquity, a Fine or Forfeit psid by the Remost for not marrying. See Marriage, Political Assistancia, Political

the Romany in not analysing Arithmetic, &c.

UZIFUR, in Chymiftry, a Name fome Authors give to Cinnabar. See GINNABAR.

## WAG

A Letter peculiar to the Northero Lagangages, and People 3 as the English Zusch, Pedifs, and extens of Tentonic and Schwenic Original. See Luttra, and Altanaux.

The W is also admitted into the French, Ealinn, &c. in ropper Names, and other Terms between from the Lancoper Names, and other Terms between them to the Lancoper Names, and other Terms between the from the Lancoper Names, and other Terms to be trooped from the Lancoper Names, and other Terms to be trooped from the Lancoper Names, and other Terms to be trooped from the Lancoper Names, and other Terms to be trooped from the Lancoper Names, and other Terms to be trooped from the Lancoper Names, and the Perusangage Names and the Northero Complex to the Northero

guages where it is us'd.

guages where it is ust.

In English, the W is usually a Conferent; and as fach, may go before all the Vowels, except u<sub>3</sub> as in Want, Weepon, Winter, World, &c. See Consensary.

It is formetimes allo a Vowel; and as fach, follows any of the Yowels a, e, e, and unites with them into a kind of double Vowel, or Dipthong; as in Lew, Euer,

Sind of South's vowel, or Dipteong a at in Levo, Eer,

"The Englide was funded as the Lain: s, in quantum,

The Englide was funded as the Lain: s, in quantum,

The Englide was funded as the Lain: s, in quantum,

Juston, Jusque, Illian and Juston,

Juston, Jusque, Illian and Juston,

Juston, Jusque, Illian and Juston,

Wald Dipteon, and South as the fingin Y.

Wald Dipteon, and the Chamber s, on my me the Roads,

Sout, in loop it from colling out. See Chanave,

Sout, in loop it from colling out. See Chanave,

Ye make Wiff, in to him out form Coat, See Cown,

For make Wiff, in to him out form Coat, See Cown,

For make Wiff, in to him out form Coat, See Cown,

For the Man look of the Chamber s, on the Sing, a a Sing,

year of the Man look of the Chamber s, on the Sing, a see Sing

was 10 gard our Filterness want help from the Singe, or from

WAPT/OLS.—King Edward IV. conflicted a triumvirence of College with New Hollowship of the Chamber shown the Patent higher

was 10 gard our Filterness on the Coath of Norfolis, and

SWARTA. or WALAS. See Werea.

Suffolk

Suffor. WAGA, or VAGA. See Weigh. WAGA, or VAGA. See Weigh. WAGE, in Law, Fasture, from the French Gager, dare pagant, to pedege; fignifies, the giving Security for the Performance of any thing. See Prepar. —Thus, to enge Performance or any tining. See Fig. — I Bus, to orage Law, is to pay in Security that you will make Law, at the Day affigned; and to make Law, is to take an Oath, that a Man owes not a Debt which is claimed of him, and allo to bring with him fo many Men as the Court fittll affign. who fhall avow upon their Oaths that they believe he fwears WAGGON, a kind of Vehicle, or Carriage in common

There are divers Forms of Waggons accommodated to the

divers Uses they are intended for.

The common Waggan confifts of the Shafts, or Rads, which

The common Wegges confile of the Stoffs, or Rest, which are the two Pieces the bind Hards bears up, the Hildst, the Stoffs, which are the corol Fixes that bind the Stoffs, which are the corol Fixes that bind the Stoffs or Stof

But flill, the higher a Waggon, &c. is fet, the apter it is to over-turn. The more The more upright or square the Spokes of the Wheels are from the Box, or Centre, the weaker they are when they

# WAK

come to hear on either fide : on which account, as also to ecure a Wheel from breaking in a fall, they are made con-

necure a Wheel rom occasing in a tall, they are made concave, or diffing.

WAGGONER, in Aftronomy, a kind of Conffellation 5 call'd also Charlet's Wain. See Charke's Wain.

WAGGONER is also acid for a Router, or Book of Charts, describing the Seas, their Coaffs, &c. See Chart; and ROUTTER.

WAIF, or WAFE, a Term primarily applied to ffolen Goods, which a Thief, being purfu'd or overburden'd, flies, and leaves behind him.

and keives behind him.

The King's Officer, or the Beiliff of the Lord within whole Jurificition lich Weift or Weif Cools were left, who will be the the translite of Weiff Cools within the Errechtle of Weiff in Meilife Cools with the Meilife Cools of the Cools of the Meilife Cools of the Cools of the Meilife Cools of the M

Owner shall have his Goods again.

The Waig be properly spoken of Things stolen, yet it may also be underslood of Goods not stolen. As, if a Man be pursue with Hue and Cry, as a Felon, and he files and leaves his own Goods; thele shall be forfeit as Goods stolens.

leaves his own Course; rener man be forted as Goods the ben; and are properly call'd Figures Goods. See Eventure. Waiff, Things left, and Effrays, are faid to be Pecus ve-grams; and see millius in bonis with now appared dominus. And therefore belong to the Lord of the Franchile where they are found; who must cause them to be cried and pub-lish'd in the Markets and Churches near about : elle the Year and Day does not run to the prejudice of him that

iold trems.

WAINSCOT, in Building, the Timber-Work ferving to line the Walls of a Room; being ufacily in Pannels, and patinted, to ferve in lieu of Hangings. See Walls, 25c.

Even in Halls, 'it's common to have Wainfoot breath high; by reafto of the natural Humidity of Walls. See Platt.

Some Joiner put Charcon behind the Pannels of the

Wainfest, to prevent the Sweating of Stone and Brick-Walls from ungluing the Joints of the Pannels.—Others use Wool

from negluing the Joines of the Ranche-Others and Wood for the time propose.—But neither too one of the other for the time propose.—But neither too one of the other for the time propose of the control of the propose of the time of the time of the propose of the time of the time of the propose of the time of the time of the propose of the time of the time of the propose of the time of time of time of the time of 
She is called Waive, as being forfaken of the Law: and and the control of th

In this Senfe, we read, Waviaria Mulieris, as of the fame

Import with Utteratio Viri.

WAKE of a Ship, is the smooth Water that runs from a Ship's Stern, when she is under fall.

By this, a good Guess may be made of the Speed she

By this, a good cuers may be made. See Recogning.

They also judge from this, whether the Ship goes as she looks; that is, whether the makes her way right a-head, as fine

file lies; as file doth when her Wake is right a-ficen: But if this Wake be a Point or two to Leeward, they judge that the fills to the Leeward of her Courfe. When, in a Ship's Haying, the is too quick; they fay fin does not fall to the Leeward apon a Tack, but when rack'd, her Wake is to the Leeward; which is a Sign the feels her Helm well, and is infinite of Succrage.

her Heim well, and is nimble of Streetzee.

Alfo, when one Ship giving chafe to another, is got as
far into the Wind as the, and fails directly after the; they
fay, the is got into her Bee.

WAKEFULNESS, WAYCHTPULNESS, Informita; a Diforder whereby a Person is disabled from going to fleep.

Sec SLEEP.

Sec Signer.

It is occasion'd by a continual and excessive Motion of the Animal Spirite in the Organo of the Body, whereby those Organs are prepared to receive, readily, any imperficus from external Objects, which they propagate to the Britis. Sec and familit the Soul with divers Occasions of Thinking. Sec

SPIRIT.

This extraordinary liss of Spitis may have two Carfest For, 2°, the finding Origica may finise the Origin with too much Force, in which Cale, the Animal Spirms being Properties of the Carfest of the Early Conference of which, is, that the Carfest of the Carfest of the Carfest of Carfest Properties of the Carfest Office Properties Off This extraordinary Flux of Spirits may have two Caufes:

Sleep. See MREANCHOLY. 2°, The other Caufe is in the Spirits themselves; which Step. See Milanacier.

1. Be Spirit the melitrary, which have fore certaindamy Difficulties on receive Motion, or to petfil in let 1 An, from their too great best, or that of the petrol of the petro

rate into Madness. See NARCOTICS, and OPIATE.

WAKES, Vigits, or Country-Wakes, are certain autient Anniversary Feasts, in the several Parishes; wherein the People were to be awake at the feveral Vigils, or Hours to

They are usually observed in the Country, on the Sanday next after the Saint's Day to whom the Parish-Church is

licated.

Cowel, who derives the Word from the Saxon Wac, temulentia; defines 'em to be the Vigils in the Dedications of Churches, where Men fat drinking in the Cheirali Night. See DEDICATION.

WALKERS, a fart of Foreft-Officers, appointed by the King to welk about a certain space of Ground, committed to their Care and Infection. See Fones:

Walkers are the same with what we otherwise call Foreflows.

See Feresyer.

flers. See Perkeyer.
WALKS, in Gardening. See Alleys.
To keep the Weeds from growing upon Walks, Mr. Switer directs, that the Bottoms thereof be fill'd with Limit

To keep new victors aroun governing ware ready that the Rabbidity of coreff Gervek. Fline fleese, or other reedy Swing, eights or cen Inciden deeps over which may be lidd a like depth of Gervek, to too finese, ten to be made roand, or convex.—The ulast Properties is, that a 1968 to Foor which, be four Inciden light or in the Middle, has at the Sides a 1970 to four Incident light of the Convex of the Conve

To make the Gravel bind the better, fome mix a little Lime with it; which being apt to file; to the Ricci of the Shoes in wet. Westlow, others grind or pound Sex-Bells, the state of the state of the state of the 100 Mil. increporates with the Gravel, and hinders in happing to the Shoes. Others best Smiths Cindens to Dult, and others Bricks, Briwning the Durf on the Walts, which dries up the Molfarer, and gives ten a Golson.

\*\*Description\*\* Acts. Sec Trans. Ass.

WALL, in Architecture, 25c a Work of Stone, Brick, WALL, in Architecture, 25c a Work of Stone, Brick, Wall, Foundation is entire. Hence it appears, that a Wall built much thinner than usual, by only having at every 20 Foot's diffunce an Angle fet

stant, by only having at every 20 roots antence an angue ner out about two foct, or more, in proportion to the Height of the Well; or by having at the like dittance, a Column or Fi-lafter crecked along with it, fix or eight inches on each fide over and above the thickneft of the relt of the Mell! Such Well will be much firenger than if five times the quantity of

Wall will be much through than it have times the quantity of Materials were used in a first Wall.

Walls are distinguished into divers Kinds, from the Mater whereof they could to as Palasher'd, or Mad Walls, Broke-Walls, Stone-Walls, Polity or Stone-Walls, Polity or Stone-Walls, Polity or Stone-Walls, Polity or Stone-Walls, and Boarded Walls.—In all which, these general Rules are to be regarded.

If, That they be bailt exactly perpendicular to the Ground-work.

2d, That the maffieft and heavieft Materials be the loweft; as fitter to bear than be borne

3d. That the Walts, as they rife, diminish proportionally in Thickness, for ease both of Weight and Expences, 4th, That certain Burles, or Ledges, of more strength than the reft, be interlaid, like Bows, to strengthen the whole Fabrick.

whole Fabrick.

Mad and Willifer's Walls are chiefly in ordinary Timber
Baldings—Thefe Walls, being quarter'd and airth do neven
the firmber, or forentients until or ora all, are political
to the Timber, or forentients until ora all, are political
trid over again with white Mertar. So Monray,
Times Walls, or the most important and usual more
trid over again with white Mertar. So Monray,
Times Walls, or the most important the laying of the Bitcle, see. That is do summer they be laid as very
and in Winter as dry as possible; so make them bind the
best of the coverage of the coverage of the coverage of the
trid of the coverage of the coverage of the coverage of the
trid of the Coverage of the c and of the follows were active common tong common active better with the Moters: That in Sammer, as fill as they better with the Moters: That in Sammer, as fill as they be covered up, to prevent the Moters; Get or prediction of the fill and the same active state of the same active state state state of the same active state state state state state state state state stat

Wall, in Fortification, Sc. Soc RAMPARY.
Walls, in Gardening, Sc.—The Polition, Matter, and
Form of Walls for Fruit-Trees, are found to have a great
Influence on the Fruit- The Authors differ as to the Prefi-

Influence on the Fruit: The Authors differ as to the Preference. See Gan Den, Oaciland, Efe.

The Rev<sup>a</sup>, Mr. Lawrence directs, that the Walls of a Gatden be pot bulk directly to face the four Cardinal Points, but rather between em, wis. South Eath, South-Weft, North-Eaft, and North-Weft: In which, the two former will be good enough for the beft Fruit, and the two latter for Planns, Cher-

enough for the bell Fruit, and the two latter for Plums, Chere, and blaking Pati fine others, propie Gender Wills to confill chiefly of Semiderce others, propie Gender Wills to confill chiefly of Semiderce ot a character of the confill chiefly of Semiderce of an electrone ever two Semiderce, a Space of two Foot of Patin Will—By the ha Semiderce, a Space of two Foot of Patin Will—By the ha Semiderce of the confile of the confidence of the co jurious Winds.

As to the Materials of Walls for Fruit-Trees, Brick, ac-cording to Mr. Switzer, is the beft; as being the warment, and kindelt for the ripening of Fruit, and affording the beft conveniency for nailing.

conveniency for nating,

Mr. Lazavrhe, bowever, affirms, on his own Experience,
that MikeWalls, made of Earth and Sraw temperd togethes, are better for the ripening of Frait than either Brick
or Stone Walls: He adds, that the Coping of Staw laid
or Stone Walls: He adds, that the Coping of Staw laid
in given from percenticular Range on the Prait, in flectering tem from percenticular Brentife on the Subject, inflicted
M. Estis, in a particular Trentife on the Subject, inflicted

M. Estis, in a particular Trentife on the Subject, inflicted

M. Patto, in a particular areas on the causes, income of the common perpendicular Walls, propoles to have the Walls built sloping, or reclining from the Sun; that what is planted against em may lie more exposed to his perpendicular Rays; which must contribute greatly to the ripening

of Fruit in our cold Climate.

The Angle of Reclination is to be that of the Latitude of the Place; that when the Sun is in the Meridian at the Equinoxes, his Rayrmay strike just perpendicularly. See

Hear, Yer fome others prefer perpendicular Wallt, and even in-clining ones, or fach as hang forwards to the Sun; as fach receive the Sun's Rays perpendicularly when he is low; as in Syring and Autumn, or in the Evening and Morning; which they imagine of more fervice than the greatest Heats

which they imagine of more terrice than the greatest treats of the San at Misliammer, upon reclaims Walls.

Add, that in Autumn the San is most wanted to ripen Winter Pears; in order to which, they flould be kept dry; which against floping Walls cannot be; the Dews, Etc. 19-ing much longer thereon, than on those that are perpendicularly to the same trees of the same trees.

colar. One great advantage, however, of M. Fatio's floping Walls, is, that Fruit Trees, as Vines, &c. being planted

Walli, is, that Frait Trees, as Vines, &c. being planted against em, Meno Galsies may be fir on the Fruit is which will much forward its ripening.

WALOON, or Waterons, allied of old French is being the Language spoke by the Walloun; or the Inhabitant of a confidency lie fart of the Spanish Lave Countrie; win, those of Artesis, Hainauti, Namur, Luxemburg, and part of Flanders, and Brahams. ders, and Braham.

The Walloon is held to be the Language of the antient

Gauls. Sec GAULISH.

Gaults. See GAULISH.

The Romans having fubdu'd feveral Provinces in Gaul,
chablish'd Prators or Freconfuls, &c. to administer Justice in
the Latin Tongae—On this Occasion, the Natives were
brought to apply themselves to learn the Language of the
Conquerors; and thus introduc'd abundance of the Romans onquerors; and thus introduc'd abundance of the Konsan ords and Phrases into their own Tongue. Of this Mixture of Gaulifb and Lattn was form'd 2 new

Of this Mixture of Ganiffo and Latin was form'd a new Language, call? Measurs in controllithfichton to the antient unadalterated Ganiffo, which was called Walter, or Walton. This Difficient is keep up to this Day; for the Inhabituats of feveral of the Low-Country Provinces, fay, that in Prance they fleak Reason; whereas they fleak the Walson, which comes much nearet the Simplicity of the antient Gan-

which comes much nearer the conitife. See Roman, and Prancer.
WANLASS, in Hunting.—Driving the Wanlass, is the
driving of Deer to a stand. See HUNTING.
WAPENTARE, or WARENTARE, a Division of cerWAPENTARE, or WARENTARE, and those beyond
arrichlarly Nottingham, and those beyond

the Trent; andwering to what in other Places is call'd a Hun-dred, or Cantred. See Hundred. Authors differ as to the Origin of the Word .- Hoveden

brings it from the Saxon Weapen, and teaken, to take; by reason the Tenants antiently deliver'd their Arms to every new Lord, as a Token of their Homage.

new Lord, as a locen or near Ironage.

Sir Thomas Smith gives a different Account.—He fays, that antiently Multers were taken of the Armour and Weapons of the feveral Inhabitants of every Waspentake; and that from fach as could not find fufficient Pledges for their good abearing, their Wespons were taken away, and deli-

Others to profe the Word of Danish Original; and give a different account of its Rife, viz. That when first the Kingdom was divided into Wapentakes; he who was the Kingdom was divided into Propertieses; in evan was the chief of the Division, and whom we now call High-Conflable, so from a the enter'd upon his Office, appear d in the Field, on a certain Day, on Horfe-back, with a Pike in this Hand, and all the chief Men of the Handred met him with their Langue, who aliability moughd his Pike with their langue, who aliability moughd his Pike with their Hand, and all the canel when of the Handred met him with their Lances; who alighting, touch'd his Pike with their Lances, as a Signal they were firmly united to each other, by the touching their Wespons: The Saxon Wespen figuily-ing Wespou, and tae, touching.

WAR, Bellum, a Contest, or Difference between Princes, WAR, Bellion, a Content, or Difference between Finices, States, or large Bodies of People; which not being deter-minable by the ordinary Measures of Justice and Equity, is refer'd to the Decision of the Sword.

reter a to the Decimon of the Swood.

Hobber's great Principle, is, That the Natural State of
Man is a State of Warfare; most other Politicians hold War
to be a pretermatural and extraordinary State.

Civil, or Inteffine Wan, is that between Subjects of the

fame Realm; or between Parties in the fame State.—in this Senfe, we fay, The Civil Wars of the Romans deftroy'd the Republick; The Civil Wars of Granada tain'd the Power of the Moors in Spain: The Civil Wars in England Power of the moors in John : 15c tren wars in England begun in 1641, ended in the King's Death, 1649. King's Wan, Bellium Rogis.—At the Time when parti-cular Lords were allow'd to make War with one another, to

cults Lords were allow'd to make War with one another, or veronge logistics, nilead of professing them in the ordinary corns of Juffice; the Appellation King's War was given Courts of Juffice; the Appellation King's War was given State; the whole Coccion, the significant worker Prince; or State; to without Occion, the significant work of the make private War against each other; saw being oblight on make private War against each other; saw being oblight on the corn of the work of the work of the work of the Religious Wars, is a War ministind in a State, on ac-Religious Wars, is a War ministind in State, on ac-

the other. The Holy War, is that antiently maintain'd by Leagues and Croifades, for the Recovery of the Holy Land. See

CROISADE. Constant of Was, is an Affembly of great Officers, call'd ly a General or Commonder, so deliberate with him on Emergine, and Attempts to be made Sec Consecta. Or Emergine of Consectation of the Consectation of an Affembly of Cayusin, sitting in Judgment on delinquent Solders, Deferrer, Coward Officers, Piercer of Was, is a Piace fortified on purpose to cover and defends a Consect, and they then the Consectation of an Emergy Army 1 Or, it is a Face, wherein are difford the Provision whites an Army covered the Consectation of the Conse

whither an Army retires into Winter Quarters. See Place. whither an Army retures into Winter Quarters. See Place.
Art of Was. \ See \ \Sec \ \S

Hawk, after having mantted herielt, routes her Wings over her Back. See Haws, and PALCON. WARD, a Word used in our Law-Books in divers Sig-nifications—Thus, a Ward, in London, is a part of the City, committed to the Special Charge of one of the Aldermen of the City—There are a Ward in London, which are as Hundreds, and the Pariflices thereof as Towns. See Aldermen MAN, HUNDRED, &c.
A Forest is also divided into Wards. See Forest, and

HOSPITAL.

A Prifon is also called a Ward. Sec PRISON, and GOAL. The Heir of the King's Tenant, who beld by Knights-Service or in Capite, was also called a Ward during his Non-age. But this last is taken away by the Statute, 12 Car. II.

sign. Dut this last is taken away by the Statue, it c.gr. it, cop. i.e., See Goard, and Guardian.
Ward-Hook, in Gunnery, a Rod, or Staff, with an Iron-end tumed Serpent-wife, or like a Screw, to draw the Wads or Ockam out of a Gun, when it is to be anloaded.
Ward, or Ward, a cliff allo Wardorium, is used in our antient Writers for the Culbody of a Town or Calife, which the Townsers of the Culbody of a Town or Calife,

which the Tenants and Inhabitants were bound to keep at

which the l'enames and industriants were bound to keep at their own charge. See WARDAGE. WARDA Eccifferum, denotes the Guardianfhip of Chur-ches; which is in the King during the Vacancy, by reafon of the Regalia, or Temporalities. See Regalia, and Tempo-WARDAGE, WARDAGIUM, is formetimes used in our antient Law-Writers, in the same Sense with Wardpenny.

Sec Wardpenny. Sometimes it also feems to denote a being free from

Wardhip,
WARDECORNE, among our antient Writers, a Duty incumbent on the Tenants, to guard the Cattle, by founding a Horn upon the approach of an Enemy; call'd also Cornage.

Sec COLLEGE. WARDEN, or Lord WARDEN of the Cinque-Ports, is the Governour of those noted Havens; who has the Authority of an Admiral, and fends out Writs in his own Name. See

CINQUE-Ports. Warden of the Mint, is an Officer whose Business is to receive the Gold and Silver Bullion brought in by the Merchants; to pay them for it, and oversee the other Officers. CO MINT

He is also call'd Keeper of the Exchange and Mint. WARDER.—The Tromen Warders of the Tower, are Officers, forty in Number, who are accounted the King's Sfff

domestick Servants, and are fworn by the Lord Chamber-lain: Their Dury is to attend Prifoners of State, and wair at the Cates. See Towan. ag the Gates. See Iowan.
Ten of 'en are usually upon the Day's-wait, to take an account of all Perfons who come into the Tower; a count of their Names, and the Names of the Perfons they go so, in a Book to be peraided by the Conflushe or Licatenant.
WARDFFOH, or Wandreen, of the Saxon Weard, a Ward, and feels, feel glestote the Value of a Ward, and Feels, feel glestote the Value of a Ward, as the cloud of the left under Age, or the Monor yaid to the Lord of the

Fee for his Redemption. wARDMOTE, in London, is a Court fo call'd, which is ppt in every Ward of the City. See More.
WARD-PENNY, WARPEN, WARTHERNAY, was former-

ya callonary Doo, mitentity paid on the Sheriff, and other ya callonary Doo, mitentity paid to the Sheriff, and other Ir was psychio at the Festi of St. Martin; and is filly paid within the Masor of Strate of Geliffed in Werewicking and with fome very finguist Coremonics.

WARDNORS, a Cofer, or little Room, adjoining to a Bed-Chamber; steving to olifoole and keep a Festiva's Appendix of the Company of the Co

ret III yor for a Servalit to lougeus, to eet at hour to water, was a based to water, and Apariment wherein his Robes, wearing Apparel, and other Necessaries, and represently 4, under the Garn and Direction of proper Offices.

His Majelly has a Great Wardele y a Removing Wardele y and three Standing Wardeles, belonging to his Bedesmbers in each of his Palaces, was at Wittehalf, Resignon, Windight, Humpton-County, and the Tower; cach

tington, vicingor, tempton-town, and the Tower; each under its religible Keeped always attends on the King's Perfon; as also on Embsffadors, at Christenings, Malques, Plays, 36—1t is under the Command of the Lord Cham-

beriain: The under-Officers are, a Yeoman, two Grooms, and thue Pages.

and three Pages.

The Great Wordribe, is of great Andquity—Antiently, it was kept near Paddle Word, in a Houle parket,
for that purplos by King Lebourd III. but fince the Fire of
London, it has been kept in Tork Buildings.

The Billet or Koept thereof, is an Officer of great Dignitive that the property of the Conficer of the Con

The Officer are, the Ment, and erected the Office into a Corporation.

The Officer are, the Meffer or Krefer, bit Bepaper, and knowledge Germal under Officer; and the Germal under Officer; and above free; and the Corporation of the Corporati v, So. WARDS and Liveries, a Court first erected by King

Henry VIII. and after augmented by him with the Office of

Heary VIII. and after augmented by him with the Office of Lentritie. But it is now abbleave; better away and absoluted. But it is now abbleave; better away and absolute in the state of the state of the state of Lentrities. WARD STATE—The Mayor of Lentware in Lifes, in which be state with fine lateral, were Reape, we Men in the state with fine lateral, when Reape, we Men in the Lentrities of the lateral state al stateral stateral stateral stateral stateral stateral stateral stateral state

Time wherein Land lies fallow, the following Year; or elfe the Scaffon of Fallowing. See Fallow.

WAREN. See WARREN.
WARMTH. See HAAT.

WARN, in Law, to fummon a Perfon to appear in a Court

WARN, in Law, to unmone a sur-or justice. See Sensions.

Chock, is the third or fourth, according to its distance from the first Wheel. See Coccus.

WARP, in the Manufactures, is to Threads, wheches of Silk, Wool, Lines, Henny, Corton, or the like, that are ex-tensive the control of the control of the control of the the Workman, by means of its Silknein, parts in the Track of the Work of the Corton, Colon, Ribband, Fullian, or other viscose. See Weaking.

For a woollen Staff, &c. to have the necessary Qualities, this required that the Threads of the Warp be of the same kind of Wool, and of the same Finencis throughout; that they be fixed with Handers or Parchment Size, well prepared; and that they be in sufficient Number, with regard to the Breadth of the Staff to be wrought. See Woor, to the oreans of Court, Ge. Ship, is to hale her to a Place, when the Wind is wanting, by means of a Hawfer, a Cable, and an

Anchor fix'd faceto.

WARRANT, an Act, Influences, or Obligation, whereby a Perfon authorizes another to do fomething, which he
had not otherwife a right to do. See WARRANTY, and

GUARANTY; fee also VOUCHER. WARRANT of Attorney, is that whereby a Man appoints another to do fomething in his Name, and coarrants his

Action. See ATTORNEY.

In form to differ from a Letter of Attorney, which paffes under Hand and Seal of him that makes it, before creditable Winceffes, whereas Warrant of Attorney, in perfonal, mix'd, and some real Actions, is put in of course by the Attomics for the Plaintiff, or Defeadurs.

Tho, a Warrant of Attorney, to fuffer a common Recovery by the Tenant or Vouchee, is acknowledged before such Persons, as a Commission for the doing thereof directs. See RECOVERY, ESC.

In the Court of Common Pleas there is a Clerk of the Warrants, who enters all Warrants of Attorney for Plaintiff and Defendant. See CLERK.

and Defendant. See CLERK.
WARRANTY, WARRANTIA, a Promife, or Covensur
by Deod, made by the Bargainer for himfelf and his Heirs,
to warrant and focure the other Party and his Heirs, against
all Men, for the enjoying of the Thing agreed on between

This Warranty paffeth from the Seller to the Buyer; from the Feoffer to the Feoffee; from him that releaseth,

to him that is released from an Action real. The form of it is thus: Es ego vero prefesus A. & heredes mes prædictas quin

fuis prefato B. baredibus & affiguatis fius contra omnes ntes Warrantizabamus, in serpetuum per presentes. Note, under Heredes, Hoirs, are compris'd all such as the first Warranter's Lands come to, whether by Descent, Pur-chase, or the like.

coliti, or the inc.

Werramy is either Real, or Perfinal.—Real, when it is

smooth to Lunds and Tenemens granted for Life, Efc.

Perfinal, either in Dead or in Law. See Pacen, Efc.

Perfinal, either respects the Property of the Thing fold, or

Real Warramy, squin, in refject of the Efface, is either

Luncal, Chitaryai, or communicacy by Diffilia.

Lincat, Goldateral, er commencing by Diffeilin.

WARARENTA GENTER, a Witt that it is for a Perfin web.

WARARENTA GENTER, a Witt that it is for a Perfin web.

When the Comment of the Perfine of the Perfin of the

not come at the Day attignd.

WARREN, or Warns, a Franchife or Place privileg d, cither by Prefeription, or Grant from the King, to keep Bealts and Fowl of Warren int, as Rabbint, Harre, Partridges, Pheafants, &c. See Brass, Game, Hunning, Sc. By a Statue at Edm. [11]. a Warren may lie open, and there is no unced of cloting it in a steher is of a Park. See

PARE, Sc. If any Person be found an Offender in any such Fee-War-ren, he is punishable for the same at Common Law.

ren, he is punifishle for the fame at Common Law. Evolts of Wanarus. See Baray of Werren. See the Wanarus. See Baray of Werren. Wert are more frequent on the Hands than any other Part.—There are divers forts: The most stell are call? Wert are more frequent on the Hands than any other Part.—There are divers forts: The most stell are called five threats, referred to the seed of the continue of little Threats, refembling the Route interest. Another fort is called Myrmedia, which is a little round, Colous Mininces on the Riands of young Children; stilling Colous Mininces on the Riands of young Children; stilling the colous fininces on the Riands of young Children; stilling the colour stilling on the Riands of young Children; stilling the colour stilling on the Riands of young Children; stilling the colour stilling on the Riands of young Children; stilling the colour stilling of the Riands of the Riands the Riands of the Riands 
culious Enninesce on the Hands of young Children, rifing faddedly, and differentia again.

Some Psylicians allo rank the Carna govering on the Too Stone Psylicians allo rank the Carna govering on the Too Stone Psylicians allo rank the Carna government of the Carna of Children of the Carna of Children of Carna of Children of Carna of Children of Carna of Children of Carna of C

WASHING. See Lotion, Abbution, St. The Walking of the Feet was a common piece of Civility among the Feet, practis'd upon Strangers, Vifitors, Sc. at their arrival.

their arrival.

The Welling of the Feet of twelve poor People, is an anniverlary Coremony, perform'd both by the Kings of Eegland and Pratuce 4 in commemoration of our Saviour's medicing the Feet of his Apolities.

ing the Feet of his Apolities,
Assubint, add. Genter, Ish. VII. monitors a Feafi in ofe
among the Antients, called Leautio Matrix Desim, the Vigoliing of the Matther of the Gods, held on the 3 orth of March.
Washing of a Skirj, in the Sa Language, is when all
the Guns are brought to one file, and the Men, getting, up
on the Xards, cought her other fole, and ferage he as far as

they can reach.

Washing, in Painting, is when a Defign drawn with a Pen, or Crayon, has force one Colour laid over it with a Pencil, as Indian Ink, Biftre, or the like; to make it ap-pear the more natural, by adding the Shadows of Promipeares, Apertures, Se. and by imitating the particular Matters

whereof no Filing is supposed to consist, whereof no Filing is supposed to consist.

Thus, they week with a pale red to imitate Brick and Tyle; with a pale Indian blue to imitate Water and Siste; with green for Trees and Meadous; with Saffon or Freese's Berries, for Gold and Brais; and with feveral Colours for

Thefe Welber are usually given in equal Teints, or Degrees, throughour; which are afterwards brought down and foften'd over the Lights with fair Water, and firengthen'd with deeper Colours for the Shadows. See Liour, and Sha-

WASHINGS, OF WASHES, among Goldsmiths, Coincre, &c.

Wastras, on Wastra, among Goldmitts, Goinen, Sci-are the Lorinas whereby they draw the Particle of Gold and Silver out of the Afhee, Erith, Sweeping, Sci-This is citcher performed by family regioning 'em again and again, or by parting 'em in the Welbring' Mill.' To make one of the Welbring, Mill.' To make one of the Welbring, and the Sweepings of the the Mills out the Furnaces, and the Sweepings of the theory of the Welbring of the Sweeping of the theory of the Welbring of the Sweeping of the theory of the Welbring of the Sweeping of the theory of the Welbring of the Sweeping of the Particles are built little Particle of Gold, Sci. Welbring of mills the Department of the Welbring of the Sweeping of the mills of the Welbring of the Welbring of the Sweeping of the Welbring of the Sweeping of the Sweepin

in their laft degree of heat.

in their sair degree or mean.

These Matters being all well ground, and mix'd together,
are put in large wooden Basons, where they are washed several times and in several Waters, which run off, by Inclinaral times and in leveral waters, water run on, by incuma-tion, into Troughs undermeath; carrying with 'em the Earth, and the infemble Particles of the Mettis, and only leaving behind 'em the larger and more confiderable once, which are visible to the Eye, and taken out with the Hand; without more trouble.

without more trouble.

To get out the first Parts, good of with the Earth, they did Quickliver, and a 150 flory Mill.—This Mill condition of a 150 flory Mill.—This Mill condition of a 150 flory Mill.—This Mill condition of the condition of a 150 flory Mill.—This Mill condition of the Marter reactions of the condition of the Marter reaction of the Marter reacti and Silver become the more cafily amalgamated therewith: This Work they continue for two Hours; when opening the Bung, the Water and Earths run out, and a fresh quantity

is put in.

The Earths are nfastly pas'd thus thro' the Mill the times; and the fame quantity of Mexcury usually ferves all the three times.—When there is nothing left in the Mill but the three times.—when there is sorbing left in the Mill but the Mercary, united with the Gold or Silver which it has smalgamated; they take it our, and engling it in diver-Waters, they put it in a Ticken Bag, and lay it in a Prefs, to fqueeze out the Water and the loole Quickfluer; the reiqueeze out the water and the soote Quickinger: the re-maining Quickinger they evaporate by Fire, is a Retort, Sc. Sec Gold, and Silvan ; fee also Lavaning.

WASSALE, or Wassalt, a Feltival Song, fung hereto-fine from door to door, about the Time of Lipphany. Sec

WASSEL Bottel, was a large Cup or Bowl, of Silver or Wood, wherein the Saxons at their publick Entertainments drank a Health to one another, in the Phrase Was-best;

drank a Hollth to one another, in the Fhrafe Was-head; that is, Health be to you.

This Wasself-Bows, seems plainly to be meant by the Wasself-Bows, seems plainly to be meant by the Wasself-Bows, seems plainly to be most possible with Albors of St. Albons, by Mart. Paris is where he faith, Albors plain prandedus supermiss in Refestions to behave Vasilions: 'He bould feel by him 'the Wasself-Bows!, to drink as Health to the Fratternity jor 'the Frattam Contraints.

And honce the Cultom of going a Wasfeling, still used in New and some other Places, seems to have taken its Name. Must notice the Caronia of going a regression of Spafes and Gone other Pincer, feem to theve raken its Name: WAST, or WASTS, in Law, has divers Significations.—
ft, It is used for a Spoil, made either in Hoafes, Woods, Lands, Ge. by the Tenants for Life, or for Years, to the prejudice of the Heir, or of him in Reversion.—Upen this, which is the Caronia of the Thing of the Tenants of the Thing of the Tenants of the Thing of the Tenants of the Thing of the T

Writ of Waste is brought for recovery of the Thing wasted, and troble Damages

Wift of the Foreft, is, properly, where a Man cuts down his own Woods within the Forett, without Licence of the King, or Lord-Chief Justice in Eyre. See Forest, and PURLIEU.

WASTE is also taken for those Lands which are not in any Man's Occupation; but lie common. See Common.

They feem to be fo called, because the Lord cannot make They feels to be a canea, because the Lord cannot make fuch Profit of them as of his other Lands; by reafon of the use others have thereof, for passing to and fro.—Upon this none may build, cut down Trees, dig. So. without the Lord's Licence.

Test, Day, and Waste, is also a Punishment or Forfei-ture belonging to Petit Treason, or Felony. See Year,

ture belonging to February States Manager Day, Ed. Waste of a Slip, is that Part of her between the two Mails; that is, between the Main-matt, and the Fore-matt. See Shirr, and Mast.

See Stirr, and Maxv.

Waxre-Board, are Boards formerine for upon the fide of
a Boar, to keep the Soa from brooking into her.

WaYCLH, a finally mortable Morremon, or Michine, for
WaYCLH, a finally mortable Morremon, or Michine, for
Spiral Spring. See Waxre-work to Monitor regulated by a
Spiral Spring. See Waxre-work
the Parts of Time y as Clocks are fisch as publifts, by firthstage on a Bell (Spiral Spring on See Maxre-work). No Name Warch to
the large of Morremon, selection the Deckers; and Glock
to the larger Morremon, selection the Pickers, and Glock
or the Larger Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Larger Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or the Stager Morremon, selection the Pickers, and Glock
or

or not. See Crock,

Spring, or Pendulum Watches, fland pretty much on the fame Principle with Pendulum Clocks; whence their Deno-mination.—If a Pendulum, deferring little Arches of a Cirmination—It a Penduam, deteribing utto Arches or a uni-cle, makev Division of anequal Lengths in equal Times 3 'the by rasion it deferbes the greater with a greater Velo-city. For the imm Resion, a Spring part in Morion, and making greater or left Vibrations, as it is more or left fift, making greater or left Vibrations, as it is more or left fift, performs them greater or left degree of Morion given its performs them greater or left degree of Morion given its bestions of the Penduam find been applied not, such one will yith a Incombing of their Morions, for Lorenth the medity the Incombing of their Morions, for Lorenth the brains of the Leading and occurrence to rectify the Inequality of their Motions; so, to correct the unequal Motions of the Balance of Watches, a Spring is added; by the Hochronism of whose Vibrations, the Correction is to be effected. See Pennueum. The Spring is ufually wound into a Spiral : that,

to expiring is utually wound into a Spiring is that, in the little complete illusted it; it may be as long as politible; and may have Strength enough, nor to be mailer'd and darged about by the longulatties of the Blance it is to regulate.

The Vibrations of the two Farts, viz., the Spring and Barbor, the strength of the first length, only fo depliced, as that the complete of the first length, only fo depliced, as that the strength of the str

brations than the Bilance, may, on occation, communicate as Regularity thereto. See Sen. 120: Waterbet, is owing to The Invantion of Spring or Probet Waterbet, is owing to the Felicity of the prefeat Age.—"Lis true, we find mention made of a Waterbetchead to Charlet V. in the Hiftery of that Lines: Past trib, in all probability, was no more than the first trib, and probability, was no more than the first trib, and probability, was not probable whereof, we have full remaining in the antient Picces made before the Year 1670. In effect, 'ris between Dr. Hock and Mr. Hayzens,

the Glory of this excellent Iovention lies: but to which of them it properly helongs, is groundy dispated: The English ascribing it to the former; and the French, Dutch, &c. to the latter.

the latter. Mr. Direction, in this deriphical Glockmaker, flays coundly, Mr. Directions, in this deriphical Glockmaker, flays cound with the contribution of the state of the others without.

But the way that prevail'd, and which continues in Mode, was with one Balance, and one Spring running round the up-per Part of the Verge thereof. The this has a Diladvantage, per last of the verge thereot. Tho this has a Diladvantage, which those with two Springs, Es. were free from 1 in that a fudden jerk, or confused shake, will alter its Vibrations,

and put it is an unufual hurry.

The Time of these Inventions was about the Year 1658; as appears, among other Evidences, from 'an Infeription on one of the double Balance Watches, prefented to K. Chas let II. viz. Rob. Hook Inven. 1658. T. Tompion fecit, 1675.—The

soon after this, Mr. Huggen's Watch with a Spiral Spring got abroad, and made a great a notice in England, as it the Longitude could be found by it.—The certain, however, that his Invention was later than the Year 1675, when his Book & Howel Opellate, was publiked; wherein he has not one word of this, tho he has of feveral other Contrivances in the farm was

in the fame way. in the tame way.

One of these the Lord Brownker fent for our of Frame,
where Mr. Huygen; had got a Patent for 'em.—This Wateb
agreed with Dr. Hook's in the Application of the Spring to
the Balance; only Mr. Huygen's had a longer Sprind Spring,
and the Palles and Beats were much flower. The Balance; instead of turning quite round, as Dr. Hook's, turns feveral

Initical of terring guile found, as Dr. Broc. 5, turns sevens monds every Vibration.

Mr. Derbam faggedis, that he has reafon to doubt Mr. Haggens's Fancy was fiftle fet to work by forme intelligence he might have of Dr. Hock's Invention, from Mr. Olderbary, or forme other of his Correspondents in England: the Mr. Olderbary induces himself against that Charge, in Philipspheta I Tanjfalfavias, N° 18. and 129.

Huggers invented divers other Kinds of Watchet, some of them without any String or Chain at all; which he call'd

particularly Pendulum Watche

As it was in England that Watches bad their first rife ; fo there, too, they have arriv'd at their greatest Perfection. a torus, too, tney nave arrivd at their greatest Perfection. Winness that exceeding Value part on an English Watesh it foreign Countries, and that vall Demand made for 'em. Monfieur Severy, in his Dittlem, the Commerce, pretends match the Prench Watchmakers against the English—to affects, "That if the English is in any Condition to different it with term, they want to easily the them. ree aneres, "Ihat it the Logging De in any Condition to dilipate it with 'em, they owe it entitedy to the great "Namber of French Workmen, who took flicitive bere upon the Revocation of the Edick of Namir." He adds, "That three fourths of the Watebes made to Logland, are the "Work of Frenchmen." From what Authorities he fays this, we know not : But it need not be told Englishmen that it is falfe; there not being one French Name, that we know of, among all our fam'd Watchmakers : nor, in the Bo-

dy of Watermaker), is there one eighth part French.
This certain the French People prefer our Water's vality to their own; infoment, that to have 'em with the more cafe a number of English Workmen were invited over in 1719, and effablish'd with great countenance at Verfailles, rection of the famous Mr. Law.—But the Establishment, tho every thing promis'd well for it, and the French Watch and every thing promise well for it, and the Frenko Wakes and Clockmakers seem'd undone by it, fell to the Ground in lefs than a Year's time.—M. Savery imputes its Fall, intirely, to that flying Prejudice of the Frenko People in behalf of the English Workmen, and to the Opinion that the Wateber. one ment organize of the French Propole van mercely, to Englik Wockmen, and to the Opinion that the Worker following the Companion of the Control of the Bulletin of the Control of the Control of the Control Billister, and were diffinity, of seculity, Striking Warrents, see such, as bedden the pro-porting of the Control of the Their see seed of Control of the Control of the Control of the Their see seed of Control of the Control of the Control of the Their see seed Control of the C

Thele are real Clocks; only moved by a Spring inftead of a Weight.—Properly fpeaking, they are call'd Pocket-Clocks. Scc CLOCK. Repeating WATCHES, are fuch as by pulling a String, &c

do repest the Hour, Quarter, or Minute, at any time of the Day or Night.

Day, or Night.

The Special Conference of the Laventine of Mr. Barbin, and The Repetition was the Invention of Mr. Barbin, and The Repetition of the Special Conference of Cocks, about the I car \$x56.—The Contrivance that for the other Artitis to work, how foce contrivid dures ways of efficient for the Conference of the Special C

Thempion to make a Refeating Watth, was tolicting a fa-tent for the firm.

The Talk of a Patent engaged Mr. Quare to refume the Thoughts of a like Contrivence, which he had had in view forme Tears before: He now effected it; and being prefid to endeavour to prevent Mr. Quardous Patent, a Wasthof cach kind was produced before the King and Council; upon Trial of which, the Preference was given to Mr. Quare's

The Difference between 'em was, that Barlow's was made to Repeat by pushing in two pieces on each fide the Watch-Box; one of which repeated the Hour, and the other the Box; one of which repeated the root, and the other the Quarter: Whereas Auare's was made to repeat by a Pin that fluck out near the Fendant; which being thruft in, (as now 'tis done by thrufting in the Pendant it lelf') repeated both the Hour and Quarter with the fame thrust.

both the Hoar and Oparter with the fame thrult. Waren-work, is that Part of the Movement of a Clock or Watch, which is defigued to measure, and exhibit the Time on a Dial-Plate; in contradiffindion to that Part which contributes to the firking of the Hoar, &c. which is call'd Clock-work. See WATCH.

WAT investion prefently got into Reputation both at home and the feveral Members of the Watch part, are, 1°, The showal; in the word in word tent for by the Dauphin of Battaner, confifting of the Rim, which is its circular Pars France.

Seon after this, Mr. Hoggen's Watch\* with a Spiral Spirage in Pattern at Every, which is its Spirales; to which belong the

The Potence, or Pottance, which is the ffrong Stud in Pocket Watches, wherein the lower Pivot of the Verge plays, and in the middle of which, one Pivot of the Balance-Wheel plays; the bottom of the Pottance is the Fost, the middle

plays; the bottom of the Tottance is the 100s, the middle part the Noge, and the apper part the Shoulder. 5°, The Cock, which is the piece covering the Balance. 4°, The Regulator, or Peradulum Spring, which is the final Spring in the new Pocket-Watebes, underneath the Ba-

5°, The Pendulum; whose Parts are, the Verge, Pallets.

), Inc remaining winder rars are, the Ferge, Pollett, Cocks, and the Rich. 6°, The Wheelt; which are, the Crown-Wheel, in Pocket Pieces, and the Swing-Wheel in Pendulums; ferving to drive the Balance or Pendulum.

8°, The Contrate Wheel, which is that next the Crown-Wheel, &c. and whose Teeth and Hoop lie contrary to those of other Wheels; whence the Name.

9°, The great, or first Wheel; which is that the Fasy,

5c. immediately drives: after which are the second Wheel,

ird Wheel, &c. Lastly, between the Frame and Dial-Plate, are, the Pision of Report, which is that fix'd on the Arbor of the great Wheel; and ferves to drive the Dial-Wheel, as that ferves

to carry the Hand. Theory, and Calculation of Waren-work.

Preliminaties necessary to the calculating the Watch-part of a Movement, are laid down under the Articles Movement

and CLOCK-WORK. Preliminary Rules common to the Calculation of all Move ments, the Chek as well as the Watch-parts; fee under the Article Movement.

Particular Rules for the Striking part : foo under the Article CLOCK-WORK

Those for the Wateb-part we have from the Rev. Mr. Der-

Those for the Pratter part was a statement of the Manus, as follow man, as followed as fol soggener, pe to me ryumber product d by multiplying all the Philoso together, as that new Mheel to to that non-Phinon.— Thus, fuppole you had accession for a Wheel of 1440. Teeth, with a Phinon of a B. Lerves 19,00 may make it into these Wheels and Philoso, ore, 4,35,7,18, 115. For the three Wheels, 12, 8, and 5, multiply degether, give 1420 for the Wheels 3 and the three Philoson 4,7, 3 and 1, multiplied cogether, give a 80 for the Philoso—Add, That it materip set in what order the Wheels and Pinions are fet, or which Pinion runs in which Wheel; only for Contrivance-lake, the big-

geft Numbers are commonly put to drive the reft.

2°, Two Wheels and Pinions of different Numbers may perform the fame Motion.—Thus, a Wheel of 36 drives a Pinion of 4, the fame as a Wheel of 45 a Pinion of 5; or a Wheel of 90 a Pinion of 10.—The Turns of each being 9.

Wheel of 90 a Pinion of 10.—The Turns of each being 9.

§ If in breaking the Trian into Parcels, any of the Quotients flouid not be liked 3 or if any other two Numbers to be mainfield together, are defird to be varied; it may be done by this Rule.—Divide the two Numbers by any other two Numbers which will meather them; numlityly the Quotients by the alternate Dividors 3, the Product of their two Numbers which will meather them; and think of their two Numbers which will meater them; and think of their two Numbers which will meat be not the number of the Numbers when the Numbers of the tiens by the alternate Divisors 3 the Froduct of their swo laft Numbers found, will be equal to the Froduct of the rew Numbers first given.—Thus, if you would vary 35 times 8, divide their by any rew Numbers which will evenly meetine them: 50, 36 by 4, gives 9; and 8 by 1, gives 8: now, by the Rule, 9 times 1 is 9, and 8 times 4, 32, 16 that for 50 × 8, you have 3 × 9; each equal to 288. If you divide 36 by 6, and 8 by 2, and multiply as before, you have 24 = 36 × 8 = 288.

If a Wheel and Pinion fall out with cross Numbers.

4°, If a Wheel and Pinion fall out with croß Numbers, too big to be cut in Wheels, and yet not to be alread by thele Rules; in feeking for the Pinion of Report, find two Numbers of the same, or a near Proportion, by this Rule: As either of the two given Numbers is to the other; fo is 360 to a fourth. Divide that fourth Number, as also 360, by 300 to a fourth. Divide that bouth Nothbock, as and 500-50, 41, 56, 8, 9, 10, 13, 15, (each of which Numbers exactly measures 366) or by any of those Numbers that brings a Cooleient nearfel an Integer.—As suppose you had 447 for the Wheel, and 170 for the Phision's which are too great to be cut into final! Wheels, and yet cannot be reduced into less, as having no other common measure but Unity: fay, as 170:147::360:311. Or, as 147:170::360:416 Divide the foorth Namber, and 360 by one of the foregoing Numbers; as 411 and 360 by 6, it gives 32 and 60; divide them by 8, you have 39 and 45: and, if you divide 360 and

4 to b 8, you have 45 and 15 cancilly. Wherefore, tabed of the two Number 13 and 150, you may rake 15 and 60, the 15 cancillation of onlineary Hardery to these the 150 and 15

is to be done thus: Fifth hatter the Number of Busin, see, accessed, and you have 18533 it hospital on the Number of you have the property of the Policy of the Number of York 1988 by 1, and you have 956 for the Querieur (ar Tenu) 133 by 1, and you have 956 for the Querieur of Tenu) 1988 by 1, and you have 956 for the Querieur of York 1988 by 1, and you have 1988 by 1, and ing this contrived the Ficce from the great Wheet to use Baliance just the Numbers not falling and readily, as yea first proposed, i correct the Work thus: First, (by the Direc-tion given under the Word Exact) multiply 1991, the Pro-dect of all the Quotients pirith a upon, by 171, (the Nockes of the Corow-Wheet) the Products of the Ford wheet is the the Number of Beats in one Tame I also Fully a chan, (by a Rule given under the Word BEAT) find the true Number

have, and multiplying the Pinion by their Quotients, the Produce is the Number for the Wheels. Thus, 4) 36 ( 9

Produce is the Number for the Wheels. Thus, the Number of the Pinion of Report is 4, and its Quotient 9; therefore the Number for the Dial-Wheel must be 4×9, or 36: so the next Pinion being 5, its Quotient 11, therefore the great Wheel must be 5×11=55, and so of the med. 5) 55 (1t 5) 45 (9 5) 40 (8

\$\frac{12.49 \cdot 
The the Construct of the Powers of Factors. And a few the 30 s of 5 men, the Operation is the fame as to 30 s of 5 men, the Operation is the fame as to 5 s of 5 men could be seen as the fame as the fame as the fame of 5 men could be seen as the fame of 5 men co

As 144:170::360:415. Or 170:144::360:305.

24) 20 ( 20 Then dividing 360, and either of these two foarth Proportionals, (as directed by the Rule) suppose by 15, you'll have \$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \ 6) 60 (10 6) 48 ( 8 5) 40 ( 8 as in the Margin.

Hand to go round in an Hour to fliew Minutes ; because there are 60 Minutes in an Hour, 'tis but 8) 64 (8 8) 60 (7) 8) 42 (5 because there are or summers in an Hour, its our 10 90 4 (8) breaking 60 into good Quorients, (dupped in 8) 80 (5) and 6, or 8 and 7, \$\vec{vc}\_0\$, and d its done. Thus 8) 41 (5 488, is broken, as near as can be, into proper Numbers. But fince it don't fall out exactly into the abovementation! Numbers, you muit correct, (as before directed) and find the true Number of Beats.

red, en before directled) and find far true Number of Beast in an Heart by multiplying 1 by 17, which makes 17 3, and 17 and 18 
be done by the Minute-When Waren, at Sea, fignifies a measure or space of four Hours; because half the Ship's Crew custob and do Duty in their turns to long at a time.

in their terms to long at a time.

The Ship's Company is divided into two Parts, the Lerstard Wards, and the Sherboard Wards.—The Shifter of the
Short Company is the Sherboard Wards.—The Shifter of the
Sharchines, when as Ship is in Hardson, they contribute
Reservements, as they call lig that is, but a quarter of
the Company another at Times.

The Company and a transport of the Sherboard Shark
Gallies June 1998 and Hardson of the Sherboard Shark
Gallies June 1998 and Hardson of College by which had
they count the Knon when they heave the Log, in order to
find the Ship's Way. See Loc Line.

WATER, Aqua, in Physicks, a simple, shid, and siquid Body; reputed the third of the four vulgar Elements. See ELEMENT.

Sir I. Newton defines Water to be a fluid Salt; volatile, and void of Taile: But this Definition Borrhasue fets afide, insfruch as Water is a Menfruum or Diffolvent of Saits and faline Bodies, which does not agree with the Notion of

and Ciline Bodies, which does not agree with the Notine of the being a Sait it field; instanted, as we don't know of any the being a Sait it field; instanted as we don't know of any Wester Water & engineering Band !——The Water to William of the Sait of the Sait of the Sait of the whether Fluidity be in Natural State, or the Effect of whether Fluidity be in Natural State, or the Effect of whether Fluidity be in Natural State, or the Effect of whether Fluidity be in Natural State, or the Effect of whether Fluidity be in Natural State, or the Effect of whether Fluidity be in Natural State, or the Effect of whether Fluidity be in Natural State, or the Effect of whether the Sait of whether Sait of 
Deep saw across the other to the extraneous Action of Cool.

— Beerbeave, however, afferts the contrary, and maintains

Water to be of the Crystalline Kind; fince, wherever a

certain degree of Fire is wanting to keep it in fusion, it
readily grows into a bard Glebe, under the Denomination of Sec ler.

Mr. Boyle is much of the fame Sentiment.-Ice, he ob ML 2000 is much of the tame Semiment.—I.ec, he ob-ferves, is commonly reputed to be Water brought into a pre-ternatural State by Cold. But, with regard to the Nature of Things, and ferring affice user arbitrary Ideas, it might as juilty be fald, That Water is Ice, precentamently thawed by Heat. If it be onig'd that kee, left to it fift, will, upon the Removal of the freezing Agents, return to Water: It may be affived that, not co mention the Stow and Ice which be saliver'd, that, not to mention the Scow and Ice which it all Summer long on the Alfy and other high Mountains, even in the Torid Zore, we have been stift'd, that in Ionn Parts of Silvers, the Surface of the Ground continues more Months of the Year frozen by the natural Temperature of the Gilmate, than thaw'd by the Heat of the San, and a little below the Surface of the Ground, the Wister which the Control of the Countain Control o

chances to be ledged in the Carvices there, entirests at tage of fee all the Terr resources the mean fee to the stage of fee all the Terr resources and the stage of fee all the Terr resources and the stage of the terr resources and the stage of the terr resources and the stage of the stage of the terr resources and the stage of imblies from the Art's 50 that filter'd and diffill'd 4 shoulded times, there fill remains Jecons—Jerrich, the Kimi Patrer gather'd from the long time of the time of the properties of the Animals, Hand, C. departed the the Dangs and Feet of the Animals, Hand, C. departed the tenny and the Exchange of the Animals, Hand, C. departed the tenny and the Exchange of the Animals, Hand, C. departed the tenny and the Animals of the Animals, Hand, C. departed the Animals of th

lation render it pure; fince it leaves the Air therein, which abounds in Corpufeles of all forts. See Air.

abonds in Corpicities of all liters. See Ann.
The parel of all liters we can any say call, including Night, in four we can any say call, including Night, in four very high Place a taking most ber just the course or fungerfield set theore. In June 2 wanders or representations beroof, the greater fixer of and this is what we man be concented to contract the contract of the parel of the contract of the contract of the parel of the parel of the contract of the parel of the

See EARTH.

See Farm.
But it floud be confider'd, that the Water cannot be removed, or poured into a Vettel, without the Mixture of from Dart threewish 5, neither can the Luting of the Vetfel be dislin'd, without losing fomething every time. Burnesses, therefore, rather considers, that the Water than often dislin'd, might acquire fill new Earth from the Dati floating in the Air, and the latituments employed in the O-

poestión.
That dauber affiner ins, that after diffilling fene very part.
That a bather a finer in in the first discussion, in a grant le live, bet fur formennish, part a grant le live, bet fur formennish part a grant le live first discussion in vertical exactly cloted, it would conceive a former kind of woody Matter, formewhat like the Stantins of Plants, or the linit Third of a Manigar and yet, Stantins for Plants, or the linit first of a part of the stand of the stand of the stand in the stand in the stand in the stand part of 
a Drop of pure Water, that the atmost of its purity known, only amounts to its being free of this or that fort of Matter: and that it can never, for instance, be quite depired of Salty since Air will always accompany it, and Air has always Salt.

Scc AIR.

unce are was aways somety it, was are all always believed.
Writer in all Theorem and Bulker-More forms to be difficiled every where, and to be prefent in all Space where believed of the second of th

posed a long time to a violent Fire, to separate all the Waser, as much as possible, from the same; will afterwards, by only standing a few Minutes in the Air, contrast fresh Waonly flanding a few Minutes in the Air, contrict from Wa-fer to first, as one to afford it as plenecardly as in first.— Hartfhorn, kept forcy Years, and rard's as hard and ely any Menal yo, that if flrack aspaint a Plint, it will yield Surks of Fire; yet, being pur into a gibl Veffel, and d-till'd, will afford one eighth of in Quantity of Water. Bones dead and died twenty five Years, and thus become simult as hard as loon yet, by Diffillation, have afferded

O A I haif heir weight of Warr. And the hardest Sonce, ground and distilled, do always differer a Portion thereof. Eck, by Dhiltathon, yielded Mr. 29pri form Coi, Spirit, and Vossile, State Control, and Vossile and Control 
before nere any of the other Paticipes tegus to mid. See Patrico.

Whether Mentions of this table, Virtuary of all Budgit - Whether Mentions of this table, Virtuary of all Budgit - Whether Mentions of this table, Virtuary, and Same other Patiliosphen, have been led to bold, Jix and Things were made of Water: Which Opinion, probably, had its rise from the Wintings of Mole, where he peaks of the Significant table of the Water of the Whether of the Water of t

Helimer endeavours to prove this Dodfries from an Experiment; wherein, harming a questrary of Earth, sill all the CM was confamed, and then subting it any with Nitere, to parte, lines an extract the confidence of the confidence

ment for Animals and Vegetable But Dr. Woodward endeavours to show the whole a Mistake :

Water containing extraneous Corputeles, some of these, he shows, are the proper Matter of Nutrition; the Water being still found to afford so much the less Nourishment, the more it is found to afford to much the lets Nouristanens, the more it is possify dby Diffullation. Thus, a Plant in diffull? Water will not grow to fait as in Water not diffull? 3 and if the Water be diffull? After will feare grow at all, or receive any Nourishment from it. So that Water, as fuch, does not feam the proper Natriment of Vegetathics, as a fuch, does not feam the proper Natriment of Vegetathics, as the only the Vehicle thereof, which contains the untritious Particles, and carries them along with it, thro'all the

ntitiona Particleis, and carries them along with it, thew'all the Parts of the Pians. See Venezar-various, becought up in a Hence, a Waster Pians, e.g., a Maghirritions, becought up in a Gello of Warry, will be found to commit the process of the Pians 
Helmont, however, carries his System still further, and ima

Water.

Thus much is confels'd, that mix'd Bodies do all refolvo by Fire, into Phlegm or Water, Oil, Spirit, Salt, and Earth; each of which is found to contain Water.

each or which is found to contain water.

Spirits, for inflance, cannot be better repreferred than by

Spirit of Wine, which of all others forms freelf from Water; it

yet, Helmour affirms, it may be fo united with Water, as to

become Water it feld. He adds, that 'tis materially Water's

only under a fulphurous Diffguife.—According to him, in

making Pareschi M. Bullamus-famech, which is unding but to M. Bullamus-famech, which is unding but Set Tararrai dadicted by diffilling Spaire of Wine from it that the state of the state o

And as to Saits; Sait of Tarara well cakind, being isate to liquify in the Air, will deposite an Earth; as dif it be then committed to Diffillation, will yield a confidential Quantity of infigid Waters; informed, that if it be only with a vehement Fire, the Sait will almost all vanish, and with a vehement Fire, the Sait will almost all vanish, and with a vehement Fire, the Sait will almost all vanish, and nothing faline remain, either in the Water, or the Earth,— Whence Helmant concludes, that all Salts might be convertcd into Water. Add, that Sca Salt, recover d from its own acid Spirit and Oil of Tartar, melts into Water, as much

as into Oil of Tartar.

as into Oil of Tattar.
Latily, Oil run, in great measure, into Water; and 'tis
probable, might be constructed wholly into the fame. See
No Standard for the Weight and Therrise of Water.
Water fearce over continues two Mononto scality of the
fame weight, being always varying, by reasine of the hit
and livic contained therein. Thus, a piece of pure limpoil
to effect, the Exemption of Water in bolling, shows what toe, mad in a nice bulner, never continues in Expulsivo-la effect, the Expunsion of Water in boiling, flewes what the first property of the first property of the first property Water.—This makes it difficult to fix the position Carvity of Water, in order to fettle in degree of Parity a but this we may say in the general, That the purelt Water we can procure, is that which is 880 times as heavy as Air. How-ever, neither have we are note-palls Remodual in Air. procure, is that which is \$80 times as heavy as Air. However, neither have we any tolerable Standard in Air, ster Water being Io much heavier than Air, the more Water is contained in the Air, the heavier of court mult it be: As, in effect, the principal Part of the Weight of the Atmosphere, scena to arrile from the Water. See Airs, and Anfabrica, is the second of the Atmosphere, scena to arrile from the Water. See Airs, and Anfabrica, since the second of the Atmosphere, scena to arrile from the Water.

Properties and Effects of Water.

1°, Water is found the most penetrative of all Bodies, after Fire, and the most difficult to confine; so that a Vesafter Fire, and the most diment to comme; to that a var-fel thro' which Water cannot pas, may retain any rhing. Nor is it any Objection, that Syrups and Oils will some-times pass thro' Bodies which will hold Water; this not being owing to the greater Subtilty and Penetration of their Particles, but to the Refin wherewith the Wood of fuch Veffels abounds, to which Oils and Syrups are as Menfraums; fo that diffolying the Refin, they make their way thro' the Spaces left thereby; whereas Water, not acting on Refins, is remined. See RESIN.

And yet, Water gradually makes its way, even thro' all Woods, and is only retainable in Glass and Metals; nay, it was found by Experiment at Florence, that when shut up was found by Experiment at Parence, that when that up in a fipherical Veffel of Gold, and then prefs'd with a huge force, it made its way thro' the Pores even of the Gold; is that the most folid Body in Nature is permeable to Water.

See Gold.

Sec Gonz.

Water is even found more fluid than Air; a Body being reputed more fluid than another, when its Parts will find way that Finaller Poets: now Air, its know, will not pais that Leather, as is evideot in the Cale of an exhaulted Receiver covered therewish; whereas Water politics with eacher—Again, Air may be testind in a Bladder, but Water December 1, and the Badder, but Water Cale—Again, Air may be testind in a Bladder, but Water December 1, and the Badder, but Water December 1, and the Badder 1, and t

coxes fro? In effect, us touch, that ##### win pass thro Pores sen times finsiler than Air will. See Poak. It must not be omitted, however, that M. Homberg ac-counts for this passing of Meter thar the narrow Pores of animal Subtlances which will not admit the Air, on ano-ther Principle, with its molitoning and diffolying the gluti-nous Matter of the fine Fibres of the Membrance, and rendering them more pliable and diffractile; which are things that the Air, for want of a wetting Property, cannot do.—As a Proof of this Doctrine, he filled a Bladder, and compress'd it with a Stone, and found no Air to come out; but placing the Bladder thus compress'd in Water, the Air easily effest'd.

the Bladder this compet'd in Water, the Air eafly clearly  $R_{\rm BM}$  and  $R_{\rm BM}$  are  ome size of all  $R_{\rm BM}$  are the control of  $R_{\rm BM}$  and  $R_{\rm BM}$  are  $R_{\rm BM}$  and  $R_{\rm BM}$  and  $R_{\rm BM}$  are  $R_{\rm BM}$  and  $R_{\rm BM}$  and  $R_{\rm BM}$  are  $R_{\rm BM}$  and  $R_{\rm BM}$  and  $R_{\rm BM}$  are  $R_{\rm BM}$  and  $R_{\rm BM}$  and  $R_{\rm BM}$  are  $R_{\rm BM}$  and  $R_{\rm BM}$  are  $R_{\rm BM}$  and  $R_{\rm BM}$  and  $R_{\rm BM}$  are  $R_{\rm BM}$  and  $R_{\rm BM}$  are  $R_{\rm BM}$  and  $R_{\rm BM}$  and  $R_{\rm BM}$  are  $R_{\rm BM}$  and  $R_{\rm BM}$  and  $R_{\rm BM}$  are  $R_{\rm BM}$  and  $R_{\rm BM}$  and  $R_{\rm BM}$  are  $R_{\rm BM}$  and  $R_{\rm BM}$  and  $R_{\rm BM}$  are  $R_{\rm BM}$  and  $R_{\rm BM}$  and  $R_{\rm BM}$  are  $R_{\rm BM}$  and  $R_{\rm BM}$  and  $R_{\rm BM}$  are  $R_{\rm BM}$  and  $R_{\rm BM}$  and  $R_{\rm BM}$  are  $R_{\rm BM}$  and  $R_{\rm$ Sec MINIUM, &C.

This Property of Water, join'd with its Smoothness and Lubricity, sits it to serve as a Vehicle, for the commodious

and eafy Conveyance of the Nutritlous Matter of all Bodies: being fo Build, and pating and repating for readily, it never those up the Poets, but leaves room for the following Water, to bring on a new Supply of nutritions Matter. See NUTRITION.

See NUTRITION.

2°, And yet the fame Water, as little conclive as it is and as cally leparated from molt Bodies, will every firm-youth four orbors, and bind them together into the most folid Matters. The it appears wonderful, that Water, which will be finewar an aimout universit Diffloyton, flould withat

be a great Coagulator

Water, we fee, mixed up with Earth or Afhes, gives them the utmod Firmness and Fixity.—The Afhes, e. g. of and the description of the property of the property of the description of the description of the property of the description of the desc take but this out of Wood, and it becomes Affics; or out of Tyles, and they become Duft. Thus, a little Clay dry'd in the Sun, becomes a Pouder,

"This, and they seemed a Dee Sun, become a Pouder, which mixed with Harm Hicks register signi, and may be fathout at pleafure; and this direct again by a gentle First, enter First, become into done than a Store. See the City of the Harm Hicks and the Harm Hicks are the Harm Hicks and the Harm Hicks and the Harm Hicks are the Harm Hicks and the Harm Hick

ter, yet, being polveris'd and put to a Retort, and chill d, yield an incredible quantity of Water.
The fame holds of Motal; for the Parings or Fillings of Lead, Tin, Antimony, Sc. by Dillillation, yield Water plentfully; and the hardest Stones, Sea Sait, Nitre, Vitrols, Sulphun, Sc. are found to confit chiefly of Water, into

which they resolve by force of Fire.

which they relove by lonce of Fire.

The Larji Calestrint, or Lime-flone, being exposed to the Fire, affects a prodigious Quantity of pure Fater's and the more of this Fater is expected, the more fitable does it become, till at length it commences a dry Cale or Lime's wherein, in lies of the Water to expell'd, the Fire, in the wheren, in hea of the Water to expell'd, the Fire, in the Course of Cakinarion, enters a which is expell'd again, in its turn, by pouring on cold Water. Yet, the same Water and Calx, temper'd together, produce a Mass, scarce inferior, in point of Solidity, to the primitive Lime-stone. See Hear.

4°, That Water is not elastick, is evident hence, that it is incompressible, or incapable, by any Force, of being reduced into icls compass: This easily follows from that famous Experiment abovemention'd, made by order of the great Duke of Tuleany.—The Water, being incapable of Condenfation, rather than yield, transuded thro' the Pores of the Metal, is rather than yield, traineded thro the Fores of the Metal, lo that the Ball was found wet all over the outfide; till at length, making a Cleft in the Gold, it foun out with great vehemenc.—From this laft Circumstance, indeed, fome have weakly concluded it was elastick. For the Impetus wherewith the Water darted forth, was more probably ow-ing to the Elasticity of the Gold, which communicated that

ing to the Ellitisty of the Gold, which comministered that Impedilien to the Wise. Reafine why Blieck of Machine Impedilien to the Wise. Reafine why Blieck of Machine Impedilien to the Wise. Reafine with Water, and afferwards, by any means, reduced to a led scompals, burth the Veiffel, the ever for firing.—This is observed by a piccolor briat Canon, which being Billed with Goldens and the Wise. The Wise Reafine Impediate Wise. The Wise Reafine Impediate Wise. The Wise Reafine Impediate Vision Reafine Vision R

Some bring an Argument for the Elafticity of Water hence, that hot Water takes up more room than cold; but no legitimate Conclusion can be form'd from hence; for in the hot Water there is a good quantity of Fire contain'd, which interpoling between the Particles of the Water, makes which interpoling between the Farticles of the Water, makes it extent to a generic Space, without any Expension of Farts from its own Elasticity. This is evident hence, that if Water be once heated, there is no reducing it to its former Dimensions, but by letting it cool again; which plainly shows, that the Expansion depends nor on the Elasticity of Farts, but on the Freience of Fire.—Water, then, the inexpable of but on the Prefere of Fire.—Water, then, the incapable of Compression or Condensation, may yet be rarefied by Heat, and contrasted by Cold. See Rankfartin, 56. It may be added, that a further degree of Cold, that is, such a one se congeals Water, or turns it into lee, does ex-

pand it .- There are other ways to manifest this Expansion

of Water by Procaing.—Mr. Bryle having poured a protect of Water by Whiter line a throng cylindrical carehos. Utilities and the Chestian Control of Store and Store found, that the Lope produced in both Cafes, reach'd higher than the Water below twant from Add, that it has been found, that the bare born the Store and Store an

Too me whole, we may be enabled in forth foresting as to the Nature of the compresent Particles of Jifforn, and, the Nature of the compresent Particles of Jifforn, and, the Nature of the compresent Particles of Jifforn, and the Nature of th Cythia of Salts, when the Water is teparated from them, to look their Transparency—", Hard, rigid, and infectable; as a spears from their not being compecifible.——If it is at d, How a Body to light, shad, and votarite, and which fo cally a Hire fuffices to rarefy, should be fo futborn and incompetible? We fee no other Cauler to allien, but the Homogeneity of its Parts. If Water be confided as centified go of "placetal or easiled Particles, hollow withinfield, and ing of l'horical or cubical Particles, hollow withinside, ace of a firm Texture; here will be comply to account for the whole; I as Firmmells and Similarity will make it redit fulfilled to the comply to account for the whole; I as Firmmells and Similarity will make it redit fulfilled to the comply to the comply to the comply to the complex of the co

And hence, again, we gather, that the warry Particles are extremely folid, and inflexible; fince, the they have intermediate Spaces, no force or weight can comprets, or crowd

mediate Spaces, no force or weight can comprets, or crowd them nearts. See Saxrs.

5° Water is the most infifted of all Bodies; the Talle we fometimes observe therein, arifing not from the mere Water; but from Sall, Vitriol, or other Bodies mixed therewith: And accordingly, all the faight Water recom-mended for Medicinal Ufes, are found to deposite a Quan-tity of form of hole Petilis.

try ot tome of thoir Fellis.

6, Water is perfectly imaderous, or void of the leaft Smell.

—Water, then, neither affects Sight, Tafte, nor Smell, provided it be pure; and confequently might remain for ever imperceptible to us, but for the Senfe of Feeling.

## Whether Water be convertible into Air ?

It has been diffused, whether on Wiler be convertible into Air s, there being runnerous Inflances of, at leaft, as mind the large Air s, there being runnerous Inflances of, at leaft, as mind the large and the lar not fuch a Vapour-Air has not the Charefers of true penanear Air, being easily reducible into Hater again. So, in Digettions and Dillillations, by the Mater may be rancfied into Vapours, yet it is not really changed into Air, but only divided by liesa, and diffued into very minute Parts; which succeing together, prefeatly return to fuch Water as they con-fittuted before.

filitated betore.

Yet, Water rarefy'd into Vapour in an Æolipyle, will, for a while, have an claffick Power, the great and laft Characteriffick of true Air, and fiream out periodly like a Blaft of Air: The elaftick Power of this Stream, is manifellly owing to northing clie but the Heat, that expands and agitates the aqueous Particles thereof; and when the Heat is gone, the Eisflicity and other aerial Properties disappear likewife. See

ELASTICITY.
Rapid Winds thus made, feem to be no more than mere Rajal Wede thu made, from to be as more than over Where, becke in this Peru, and per limit in the Where, becke in the line Peru, and cell Body against in the best perusual perusual perusual perusual perusual perusual statement, may perhaps false to beth Parter into min-dular perusual perus

WATER, in Geography, Hydrography, &c. is a common, or general Name applied to all liquid transparent Bodies, gliding or flowing on the Earth. See Fruip, Li-

In this Senfe, Water and Earth are faid to conflitute one terraqueous Globe. See EARTH. Some Authors have rashly and injuriously taxed the Distribution of Water and Earth in our Globe as unariful, and not

well proportion d: Supposing that the Water takes up too much room. See Takk Aqueovs.

An Inundation, or Overslowing of the Waters, makes a Deluge. Sec DELUGE.

Various Kinds of WATERS,

Weter is diffinguisted, where it is found, into Morens, Sea-Water; Phivotalit, Rain-Water; Phivotalit, Rain-Water; Phivatalit, River-Water; Pantana, Spring-Water; Pattentil, Wild-Water; Cofferms, those of Ciflerns; Pattafits, Wall-Water; Ciflerns, those of Ciflerns; Pattafits, Water of Water, are, each more impure and bear.

These forts of Water are each more impure, and here-

Leich orts of Water are each more limpure, and heterogenous than other. St., and Oct. 2016.

See Morte of the Market of the Mark Van Helmont; and imagines the Sea-Water to have b the only Element created at the Beginning, before any Animal, or Vegetable, or even before the Sun himfelf.—Frefimel, or Vegetable y or even before the Sun himmen.—regu-Waster, he Inpubes to have arone accidentally after the Crea-tion of these; and to owe its Origin to the Vapours of Plants, the Breath of Aliminal, and the Eshaltations raided from the Sun. De Four. Med. Ang.—Dr. Halley is of another Opinion—He takes it for granted, that the Stlines of the Sua, arises from the falline Matter difficient and imbib'd by the Rivers in their progress, and discharg'd, with their Waters, into the Ocean; and consequently, that the degree of Saltness is continually and gradually increasing, degree of Saltrets is continually and gradually increasing,— On this Hypothesis, he even propose a Merindo for deter-mining the Age of the World: For two Experiments of the degree of Saltrets, made at a large interval of Time, will, by the Rule of Proportion, give the Time wherein it has been acquiring its prefent degree. \*Philof Trachaft. N° 344.\* The Water of the Sea is liable to feveral periodical Cham-

High-WATER.

HEE-WATER. Sec Flux, Ess, Sc. Ebb. Water. See Rain.

Rain-WATER, See KAIN.

Rain-WATER, See KAIN.

Rain-WATER, See KAIN.

And The Water, is the Water of the Sea, purified by a fort of Dithillation : or rather, it is the watery Vehicle, feparated from the fallor, and other Matters refiding therein, by Evaporation. See Evaporation.

The Water which defends in Rain, is, of all others, the

urcft, in a cold Season, and a ftill Sky; and this we must e contented to take for Elementary Water.

The Rain Water in Summer, or when the Atmosphere is

The Resil Florer in Summer, or when the Amendphere in Commonder, Vicercia, mult creatin infainte Finds of a first and the Commonder of the Com

the Eyes. See Snow.
Yet this Rain-Water, with all its purity, may be filter'd ad diffill'd a thousand times, and it will fill leave fome Faces behind it.

Spring-WATER. See SPRING.

The Water of Springs is the next, in point of Purity.— This, according to Dr. Halley, is collected from the Air it felf; which being faturated with Water, and coming to be Condensed by the Evening's Cold, is driven against the cold Tops of the Mountains; where being surriver condensed and Tops of the Mountains's where being further condended and confected, it gleets down, or diffilling much as in an Alembie-This Water, which before floared in the Atmosphere in form of a Vapour, being thus brought together, at first forms for the proper point of the property of the water and thefe, at length, Rivers waters, and thefe, at length, Rivers and the first at length, Rivers and the first form of the property of the pro

This, on fome occasions, is to be effected purer than that of Springs.—If the Stream, in descending from its Spring, or springs—it the Stream, in dekending from its Spring, chance to flow over Strata, or Beds, wherein there is Salt, Salphur, Virtol, Iron, or the like, it disploves and imbites part thereof.—Otherwife, Spring Water becomes purer and better; for while the River drives on its Marest in an uniterropted Stream, all its Salts, with the Vegetable and terrupted Stream, all its Salts, with the Vegetable and Animal Matters drained into it either from Exhalations, or

from the Ground it washes, gradually either fink to the bor-tom, or are driven to the Shore: And hence the antient Poets and Painters represent the Deities of Springs and Rivers, as combing and carding their Waters,

With regard to the Qualities of Water, it is further dif-tinguish'd into Salina, S.H. Water; Duleis, Fresh Water, &c. Salt WATER, or Sea-WATER. See SALT, and Sea-WATER. Fresh-WATER,—It is generally granted that those Waters,

Frigh-Wayer,—it is generally granted that the Waters, caterity provints, are the beft, as well for wheleformenes, as other various economical Ufes, \$\mathcal{E}\$c, that are freed from shaffing which is an adventious, and in moft Cafe a harfful quality in \$\mathcal{H}\$irst-—Mr. Bright herefore contrived a very extraordinary Method of examining the French and Saltacti of \$\mathcal{H}\$irst, by a Precipitant, which could different one Part \$\mathcal{H}\$ Saltacti areas, or \$\mathcal{H}\$ or \$\

FRESH Water

France Mater.

The thaw'd Ice of Sex-Water is often uled in Antiferdam for brewing; and Bartheline, in his Book de Nivas Ufut, confirms the Relation: "The certain, days he, that if the 'leo of the Sex-Water be thaward, it lofes its Saltnefs; as 'has been larely tried by a Professor in our University. Ules of Water.

The Ules of Water are infinite, in Food, in Medicine, in Agriculture, in Navigation, is divers of the Arts, 25c. in Agriculture, in Navigation, is divers of the Arts, 25c. which is not the most universal Drinks in the Markey of the Company of the See DRINK

See Drink.

Hippoersets, in his Treatife de Aere, Aquis & Locis, freaks much in behalf of light Water.—Herodosus relates, That among the Antiens, fome Nations drank a Water to very light, that all Woods readily funk therein. And Mr.

very light, that all Woods readily fank therein. And Mr. Beyle mentions from EMzer brought act of Africa into England, which was fiscificially lighter than outs, by four Ounces in a Part, t.e. by one third. See Warzarojax. "This effects of a pood Quality in Mater, to bear Soap, and make a Lather theoretish. This our River-Materir readily do, but the fump and Spring Waters are found too hard for it; 3 yet may helde be remedyl, by bardy letting fem Hand

it; yet may these be remedy'd, by barely letting 'em fland for four or five Days.

As a Medicine, 'tis found, internally, a powerful Febri-ling; excellent against Colds, Coughs, Stone, Scurry, Ec. Sec Frantivos, Er. Externally, its Effects are no less considerable. Sec Bath,

and BATHING. In Agriculture and Gardening, Water is allow'd absolute In Agriculture and Gredening, Water is allowed abbolistic in the Number of the Divinities he invokes in his hitt Book de Re-Rullice: Eliem hay be, preor Lympha, quotism fine aqua-cumis milera ell agricultura. See Waterinia.

The Changes Water is liable to, and the different Forms

it appears under, are numerous.—Sometimes as Ise, then as Vapour, then as a Cloud, Shower, Snow, Hail, Fog, &c. See Icz, Vapour, Cloud, Shower, Snow, Hail, Fog, Ec. Ice also Freezing, Thawing, Ec.

Ec. foe also Prekenson, Themuson, UE.
Manny Naturaliths have even maintaind Weter to be the
Vegetable Matter, or the only proper Food of Plants 3 but
Newton Bas overturnd that Opinion, and flowen, that
the Olifice of Water in Vegetation, is only to be a Vehicle to
a terrefirst Matter, whereof Vegetables are form is, and
does not it felf make any Addition to 'em—All Water, he
allows, conexists more or fels of this cerefiltial Matter, Spring allows, contains more or lets of this terretirial answer; opening and Rain-Water near an equal quantity, and River-Water more than either of 'cm. See Vroryation.

Water is of the laft Ufe in Chymfitry; being one of the great Infirumence by means whereof its Operations are all

great institutions by means whereon its Operations are all performed. See Chemistrate, and Organization. It acts in various Manners and Capacities, as a Menfirmum, a Ferment, a Patrefacient, a Vehicle, a Medium, &c. 1°, As a Menfiruum, it diffolires all Kinds of Salts. See SALT, Sc.

Air also seems to diffolve Salts; but 'tis only in virtue of the Water it contains.—Nor has any other Body the Power of diffolying Salts, further than as it shares of this Fluid. See

Ais, Sc.

The Particles of Salts, we have observed, infinante themfelves into the Interflices between the Particles of Water;

Siled the ferme Water but when those Interstices are once filled, the same Water will not any longer diffelve the fame Salt; but it will dif-folve a Salt of another Kind, by reason of the different Fifolive a Salt of another Kind, by reason of the different Figure of the Farticles, which enter and occupy the Vasancies left by the farmer: And thus it will diffalive a third, or fourth Salt,  $\xi c = -S_0$ , when Matter h is mibbld it still of common Salt, it will fill diffalive Nitre; and when fararated with Nitre, it will diffalive Sal Ammoniac, and fo on. Matter = 186 diffalive Sal Almoniac, and fo on. Matter = 186 diffalive Sal Almoniac, and fo on. Matter = 186 diffalive Sal Matter = 186 dif

flammable and diffoluble in Water .- Hence, Water may difmammable and attituate in Water.—Hence, Water may du-felive all Bodies, even the heavileft and rioft compact, as Mo-tals; intefnuch as those are capable of being reduced into a faline form: in which State they may be fo intimately dif-folved by Water, as to be fulfained therein.

Water diffolves all faponaccous Bodies, i. e. all alkalious Salts and Olls blended rogether: The Oll it felf be not dif-

Salis and Olis biended superiors: The Oil is elf he not used to the Salis hewards, he character of Salis hewards, he consider in it falles, brings is under the Power of Warer, spacering it falles, brings is under the Power of Warer, power of the Salis hewards of the Salis he considered the Salis has been applied to the Salis has been applied to the Julice of all Vegetables, excepting the Oil; and accordingly, they all districts in Water. Salis of Table being under dwidth of the Salis of Table being under dwidth and the Salis of Table being and the Salis of Tabl

Sålt of Tuttr, becomes foldste in Water. See Gassis.
It diffolder all formst and genomes Bodies is te being si contradiffication of the seed of the seed of the seed of the contradiffication from a Reful. See flower Water's Ten, Marte midd with skall Salts, dulliver tolks and only Boliches—Than, the more Water point do served Woods, being midd with the Pyer's a throug Licitum; or a clack list being midd with the Pyer's a throug Licitum; or a clack list being that was greafy ten dolesginous; and thus it is that woolked Corbs are footed. Again, Water does not diffolve Refins; as we conceive Refin to be no other than an infulfated, or concentrated

Oil. Sec RESIN.

Oils and Sulphurs Water leaves untouch'd; and what is more extraordinary, it repels them; and by repelling, drives the oily Particles into Eddies.—Add, that it feems to repel the oily Particles into Eddies.—Add, that it seems to experi all oleagenous, fully more, fatty, and adipous Bodies, where-im Oil predominates; and hence allo it is, that the fatty Parts in our Bodies ecape being diffolved by Water.—And "is, in all probability, by this means, that Fat is collected in the adipote Cells of all Animals. See Fay. Nor does it diffolve terrene or earthy Bodles, but rather unites and confolidates them; as we fee in Tyles, &c. See

After diffolving a Body, the Weter united and hardons to-gether with it; and, if the Body be of the faline Kind, torms Crystals, and retains the Saits in that form. See Cax-

STALE, while thus join'd with Water, affume various Fi-gares the Cryftals of Sca-Salt, e.g. are pyramidal; thuse of Nitre, primarical; those of Sel Genme, cubical, Se. But, that Water is the Caule of these Salts being in Cryftals, that, that Frank is the Cause of these Saits being in Crystas, is evident hence. That upon feparating the Water, the Crystals are no more; their Form is loft, and their Transparency

this are no more; enter Form is then, and considered for Cafeya ALLANTION.

2°, Without Water there can no Fermichtation be raised—
Thus, if you grind a Plant into a Duft or Ferring, it will never ferment; even they you add Yeaft or Spirit of Wine thereton. but Water being pour'd on it, the Fermentation readily ari-SCC FERMENTATION.

ics. Sec PERBASHTATION.

3°, All Putrefactions, both of Animal and Vegetable
Bodies, are likewife perform'd by means of Water alone;
and without it there would be no fuch Effect in all Nature. Sec PUTRIFACTION.

4°, Water is inditpentibly requir'd to Efferve/tence; which is an intelline Motion, arting between contrary Salts: for no fuch Motion can arile from a Mixture of centrary Salts, unfuch Motion can arite trom a Mixture of contrary Saits, un-lefs there be Mater to diffoliov and keep ten in Solution. 5°, A farther Ufe is in the making Separatour of olly from faline Parts, which is a thing of the last Service: Thus, any oleaginous Subflance, incorporated with Salt, being fhock

any observable and a proper quantity of Water 4 the Salts distinct, will be extracted from the Oil, and imbib d by the Water, the Salts distinct, will be extracted from the Oil, and imbib d by the Water, and thus is the Body alulify—So Butter, by a cominand Lotion in fair Water, becomes infined 3 and seconstick Oile, agritted a long time in warm Water, lay affect their kilne fpirituous Patts, and become inert and inodorous. Spirit of Wine, mix'd with Oil, makes one Body there-

Spart of Wine, mix'd with Oil, makes one Body there-with; but if you pour Water thereon, it will recel the Col, and draw all the Spirit to it felf; may, frequently, what the Spirit had diffolived in other Bodies, Water will feparate from 'em, by attoousting the Spirit, and letting the other

from 'em, by attendancy to be found to the Matters precipitate.

6°. Water is of great fervice in directing and determining the Degree of Fire, or Heat.—This was first discovered by the Degree of Service on Onlicrosition that Water over the Fire. the Degree of Fire, or Heat.—This was first discovered by Mr. Amouttans, from an Observation that Water over the tipe parts gradually more and more that, this recurse to built adeques of heat, even to the Fire was the state of the parts of

Water is of the utmost Use in divers of the Meche Mater is of the atmost Ule in diverse of the Machemista Arts and Occasions of Life; as, in the Motion of Mills, Clocks, and other Machines—And the Laws, Properties, gif-of this Fliad with refpect thereto, as its Atterns, Gravitatess, Preffine, Elevation, Affline, Sec. And the Confirmation of diver Engines inbervaient Arterior, or founded thereon; as Sylbons, Pangh, Sec. make the Sabject of Hydranticks and Hydraftatick. Sec Pitrus Austrans; Sec alls Fauro, As-

Hödenflattek: Dec arton nearter; CEANY, ÖS. Quantity of Water on this fide our Giobe, Dr. Cloyer Hapelta to be daily decreating; 's some port thereof being dipolar to the daily decreating; 's some port thereof being Mineral Subtlances; which are not cashy distord again into their component Parts—This, if you feparts of a Particles of any Fluid, and fiften them to a folid Body, or the content of the daily of the content of the cont keep them afunder one from another, they are no more fluid; to produce Fluidity, a confiderable Number of such Particles is requir'd.' See FLUIDITY.

\* Molf of the Fluids or Liquors we know of, are form'd by the Cohefion of Particles of different Figures, Magni-tudes, Gravities, and attractive Powers, fwimming in pure tudes, Gravitics, and attractive Powers, feminings in piae. Where, or an aquested Plady which forms to be the came to be the came of the piae. The piae of the piae of the piae of the piae of Grapes; and Bore with Particles of Barleys. All Spirits form to be nonling but Warfe, favarrated with falline or falphanous Particles: and all Liquous are more or falf fluids, according to the greater or finalier Cadelone or falf fluids, according to the greater or finalier Cadelone or falf fluids, according to the greater of the control 
Agent of Water. See Ascent, and Capielary.

WATER-Clock. CLETSYDRA. WATER-Level. LEVEL. WATER-OFFER ORGAN. Sec MILL. WATER-Mill. WATER-Spout. WATER-Bearer SPOUT. AQUARIES. MICROSCOPE. WATER-Microscope.

WATER, in Natural History, &c. is diffinguish'd into Faftirions.

Factinous.

As to the Pare, we have already observed, that there is, perhaps, none abbilately so; all Water being found to contain more or less Particles, then as are in terrefital Bodies; not earthy Particles, we mean, but Oils, Salts, 15c.

Mineral Warrans, are those which contain foch and so many Particles of different Nature from Water, as thence

many Particles of different Nature from Water, as thence to derive fome notable Property beyond what common Water has: Or, Mineral Waters are those which have contracted fome Virtue extreordinary, by passing the 'Beds of Minerals, as Alumn, Virriol, Salphur, &c. or by receiving the Funes as Alumo, Vitriol, Sulph thereof. See MINERAL.

The Kinds of Mineral Waters are various, as are the Kinds of Compositions of the Minerals they are impregnated withal. See Fossie.

red withal. See Fears.

Some are Sortyle, a only consulting mineral restricte of
Some are Sortyle, a only consulting mineral restricted
Hence, we have, it Mendick Henry, on in different
Flavor, we have, it Mendick Henry, on in different
Flavor, Some Marras, Franciscuson, Charanasa, Gr.

18. See Marras, Franciscuson, Charanasa, Gr.

18. See Marras, Franciscuson, Charanasa, Gr.

18. Humaniscus, Sub-Borras, Antimonial, Carlosaccest,
18. Early and Sony Waters, its Line, Colab, Ohr.

Camadors, Marrie, and Adulter Henry.

18. Early and Married Henry is stack from the Ef-

This Division of Mineral Waters is taken from their Ef-fences; that is, from the Mineral Particles they contain: but the most usual and celebrated Division, is borrow'd from

but the moil usual and ecclehated Division, is borrow's from the manner whorein they affect our Senfees, with regard to which there are ten Kinds y vin. actd. httm:, No. every cod., vily and far., follower, closers, belizes, pertifying. Acts Waters, called allo Acidatle, artis from the Admis-zation of the Company of the Company of the Company and the Company of the Company of the Company of the acts of the Company of the Company of the Company of the of Company and the Company of the Company of the Company of Company and the Company of the Company of the Company of Company and the Company of the Co

in Germany atone: Some of which are fower as Vinegar, and used indicat thereof; others vinous, and terring for Wine; others altringent, Sr. Sec Actual.

How Water, salled Therma, arile from the Admixture of iniphanous Particles and Formes.—Of thefe, the botted it what in Tapan, which no Fire can bring Water to equal and which keeps hot thrice as long as our boild Water. Sec

THERME, Co.
Oily and Fat Waters, artife from a bituminous and fulphu-

room Matter, as Amber, Perroleum, Pitch, Naphtha, 15th. See Naturella, Faranos, 15t.

Bitter Waters are produced from an impure Saiphar, 18th.

Bitter Waters are produced from an impure Saiphar, 18th.

Waters, Nave and Copper—Saible the Lesse Apholities.

Fery cell Waters, have their rife from a Mixture of Nature of Nature of Nature of Nature and Aloman 5 or of Mercury, 10th, 15th. The Depth of the Source of Spring two, has fone effect.

Waters while dauge the Nature of Budies.—Of these

Waters white coning the mainter of there is great Variety.

1°, Near Armagh in Irreland, is a Luke, wherein a Stuff being fix'd fome Months, the Part that fluck in the Mud will be turn d into Iron; and that Part incomptiéd with the Water into Hone; the reft remaining as before.—Thus Gyman has Irrelated schools.

Water into Hone; the reft remaining as before,—Thus Gyr-railast, and Maginus; but Brietius denies; it. i.\*, In the Northern Part of Uller; is a Spring, which in the Space of feven Years pertificat Wood, or converts it into Stone.—The like are found in divers other Parts, as in Han-gary, Burgundy, &c. Virtuvius mentions a Lake in Cap-padacia, which converts Wood into Stone in one Day. See

PETRIFACTION.

Frankraction.

", There are Wheer Imposed to transmute or turn from time Corper. See Transmuteration.

Into Corper. See Transmuteration.

Gradual medium as Spring In Petalon, where in a Factor over walf the influently became grey.

Pullphanus Wherz are occasion of by their energing the "Colphanus Wherz are occasion of by their energing the proputer of the pullphanus Wherz are occasion of by their energia first and there other a see that the Later made in the proposed by their Yunes—Such is the Later made in the proposed by their Yunes—Such is the Later and there other about the July See which immediately lill those who deink: But their are not of "em fill" up with Stoney which is one Reafon for few are known.

Saline Waters are generated two ways; either they are deriv'd from the Sea, by some subterraneous Passage; or are generated from Mineral Saits, which they meet withat in their passage ere they arrive at their Springs. See Sra, and SALT.

and SALY. Beiling of Bubbling Waters, are produced either by a ful-phurcous, or a nitrous Spirit, mix'd with the Water in the Earth: If it be fulphurcous, the Water is hot; if nitrous, cold. For all the Waters that boil as if hot are not 80, but from few are cold: We read both [of Yberme and Akidule that boil.

that boll. There are divers other Waters that have very fingular Pro-perties, not reducible ro any of these Chiffs: Such, 2°, is that Spring in Perrugal, which albors all Boolies call into it, the the lightest: And not far from it there was anticntly another, in which no Bodies, not the heavielt, could fink.— as ', in Ambitish, we are allu'd by Enjeb. Nierombergouth, there is a Lake which forects a proceeding Stemm, by mak-there is a Lake which forects a proceeding Stemm, by makthere is a Lake which forecat a piecuching Sterms, by "mid-ing a serviled bellowing, the may be heard it for one Mids-ley and the state of the state of the state of the state Stoons—49. We read of a Spring in "Areadas, which re-carded thele who derma of a subtraines—49". In the Illiand of Clob is a Spring, which converse those who drink of it of the state of the state of the state of the state of the Medical Spring, which converse those who drink of it was a state of the state of the state of the state of the Medical Spring, State of the State of the State of the Medical Spring, State of the State of the State of the State of Medical Spring, State of the State of the State of the State of the Medical Spring, State of the State of the State of the State of the Medical Spring State of the State of the State of the State of the Medical State of the Medical State of the Medical State of the Medical State of the Medical State of the Medical State of the Medical State of the Medical State of the Medical State of the Medical State of the State of STALACTICAL.

Bath-WATER.

Bath-Water.
Space-Water.
Petrifying Water.
See Space.
Petrifying Water.

WAYER, in Chymistry, by the Chymists called more usually Phiegm; is the fourth of the five chymical Principles, and one of the passive ones. See Principles, and Principles, and one of the passive ones. See Principles, and Principles, it is never drawn pure and unmix'd; which, Dr. Quinty observes, makes it usually a little more detersive than common Water

This Principle, probably, contributes much to the Growth of Bodies, in that it both renders and keeps the active Prin-

of Bodies, in that's took readers and keeps the skiller Principles fluid of heat they are capable of being convey'd by capable fluid of the principles fluid of the principles fluid of the principles of the they are not for early and flower them together to that they are not for early and flow diffusion.

In all fach Bodies whole skilve Sublances are join'd and all Principles are not enderforces, and in many animal Bodies this Principle is the fifth that comes in Dillilation at But when Morra's in niced with voluties. Sale, on with Sublated Sales when the principles is the fifth that comes in Dillilation as the when Morra's in niced with voluties. Sales, on which we have home for the sales when Morra's in niced with voluties. Sales, on which we have the sales of the sales when Morra's in niced with voluties. Sales on which we have the sales of the sales when Morra's in niced with voluties. Sales on which we have the sales when Morra's the sales when the sales when the sales were the sales when the of Wine, or is in any odoriferous Mixture; then the vola-tile Particles will rife and come away first. See Painciple. ELEMENT, &C.

WATERS, in Medicine, Pharmacy, Chymiffry, &c. call'd allo Artificial, Medicinal, &c. Waters; are a Kind of Liquots, procured or prepared by Art from divers Bodies, principally of the Vegetable Tribe; having various Properties, and ferring waters Purples, Compound.

WAT

Simple WATERS, are those properly from some one Vege-table Body. See Vegetable.

A Simple Water, is not supposed to be the mere Water or Phicgm of the Body it is drawn from, as is evident from the Tatte and Smell thereof.—The Intention of making

fuch Water, is to draw out the Virtues of the Herb, Seed hach water, is ro craw out the virtues of the interio, occu-fiower, Root, or the like, fo as it may be more conveniently given in that form than any other. But the Philegm, or au-tery Parts of any Medicinal Simple, is no better than com-mon Water undiffill'd: So that all those largeodients which mon Water undutified; So that all thote Infredients which in Diffillation raife nothing but Philegm, as may be different of the state o thing, at least not worth distilling.

thing, at least not worth distilling.

The Means whereby this Separation is effected, are either Ecosporation, Infiniton, Decollion, or Distillation.

The first is performed by exposing the Vegetable in a cold Still to a gentle Heat, like that of a Summer's San, and catching the Effluria which exhale from it. See Hear,

EVAPORATION, &c.
The Effect of this Operation, is a Water, or fluid Matter, which is the most volatile, fragrant, and aromatick Part of the Plant; and that wherein its specifick Virtue resided. And thus is it that the atomatick or odoriferous Waters of Vegetables are procured. See Aromarica, and Oponi-

PERCUS.

The facond Means, viz. Infufou, is perform'd by putting the Vegetable in hot Rain-Water, below the degree of boiling; keeping it to this degree by an equable heat, for the face of half an Hour; and then ilraining or pouring it off. Sec Inguston The only Waters procured this way in much use in the modern Practice, are those of Prog-spawn, and Oak-bads.
The third Means, via. Decestron, only differs from the

fecond in this, that the Water is kept to the degree of boil-See DECOCTION. ing. The fourth Means, viz. Diffillation, is perform'd by in-

The fourth Sicans, over Diffusions is personn a by unifing the Subject in an Alembick, by a gentle warmth, for fome time, and then increasing the Heat fo as to make it built and fully, earthing and condening the Steam or Vapour artifug therefrom. See District, and Diffusion of Vapour artifug therefrom. See District, and Diffusion of the much all the Diffusion and the second of the much all the Diffusion of the second of the se

The Vegetable Subjects best fitted for it, are the sapid and edorous, or those of the aromatick Tribe; as Angelies, Ani-

edocous, or more of the aromatics Arno 5 as angelies, americad, Banm, Carraway, Coriander, Caumin, Dittany, Fennel, Hydfop, Marjoram, Mint, Rofes, Rofemary, Saffron, Sage, Scurvygrafs, Thyme, Cinnamon, Citton, Juniper, Lime, Myttle, Orange, Peach, &c. Myrtle, Orange, Peach, &c.
The Medicinal Virtnes of Waters prepared after this man

The accincial virtnes of waters prepared after this man-ner, are the time as those of the repective Plants, &c., they are drawn from.—Thus, the diffill'd Water of Mint is Stomachic; that of Wormwood, Vermifagous, &c. The Materia Medica, it may be oblieved, affords no Re-The Materia mentes, it may be smart up around the armedies in this way, but for the Intentions either of Cordials, Diureticks, or Diaphoreticks.—Were it practicable to raife a Batfamick, Cathartick, or Opiate in this way, yet would those Properties be much more conveniently brought forth by other Proceedings, so that nothing is to be look'd for in a diffill'd Water, but such fabtile and light Parts of a Medicinal Simple, as may fall in with the foremention'd Intentions: Indeed, very little comes over under that Divion, weighty enough to affect even the urinary Secretions.

The Simple Waters of chief Virtue are the following ones,

inc. Sample Waters of chief Virtue are the following once, when the first span Me-life; Angelice-Mater, Agua Angelice-Mater, Agua Angelice-Mater, Agua Crefort, Agua Crefo ang, i fatily Water, Aqua Petroplini; Camomile, Common, Pennyrod, Poligi; Fenne, Water, Aqua Feniculi; Da-malk Role Water, Aqua Rofarum dam, i Hyllop Water, A-qua Higfpi; Rue Water, Aqua Rate; Juniper Water, A-qua Jumperi bae, Eldar Weter, Aqua Samheri for, 1,6-vage Water, Aqua Levifici; Catminative Water, Aqua Corminativa,

It may be here proper to note, That whatever Properties any Simple has from the Groffiness or Solidity of its Parts, which make it act as an Emetick, Carhartick, or Aftringent; the Refidue left after Diffillation will remain in full poffcifion thereof.—Thus, the purging Syrup of Rofes, is as well made after the Damask-Rofe-Water is drawn off, as if the Flowers were juiced, or pat into Infason; because no-thing of a Cathartick Quality rifes with the Water. Sometimes, the Subject is fermented by the Addition of

Yeath, Honey, or the like Ferment, to the hot Water, be-fare the Diffillation begin: In which Cafe, if the Ferment added were in sufficient quantity to effect a thorough Ferme adoct were in latincent quantity to circle a through Fermon-ration, the Lightid afterward exchald and drawn of world would be thin and inflammable; which makes what we call a Spi-Tho fome hold it to have been known in the Sec Franciscration, Seriary, Ge.

[ 35 t ] W & 1 The Water: procured in this manner, contain the Oil of Perfection; which makes can of containing the procured in the procured procured in the procured the Plant in great Perfection; which makes 'em of confiderable ale in Medicine, further than those rain'd without Fermentation; beside that they keep better and longers the Spirit in 'em preventing their cormpting or growing

mothery.

The Compound Wather, or those wherein several legeted ents are sted, are very numerous, and make a large harded on the arms of the commerce is one presented by the Appondencies, secured ing to the Diffusilies not break part of the Compound of the Diffusilies to the date by way of Dram, Br. and They are diffusional for the Compound of the

dy for the Cure whereof they are intended; or the Difeates

dy for the Care whereof they are intended; or the Diffestes they are good againft; or the Ingredients they are compounded of; or their different Ufes, 16%. The most condictable among the Clafs of Compound Weters, we shall here enamerate.—The manner of making committee, the most property of the condition of the

Method at the left.—Those we have delives, we want of me feet as have the greated Reputation in preparage their changes; or from their who have wone left of Yen, and the state of the stat Waters that take their Name from any particular thing,

Waters that take their Name from any particular thing, as Consumon, &c. have always forme other longedients joined with 'em, according to the Tafte or Smell required. Alestyberaucking or Mexicerial Wattan, are Waters that reaft Poisons and the Plague—Such are those of Angelia Consumer Consumers. lica, Scorzonera, Citron, Orange, Scordium, Ruc, Sc. Sco.

ALEXIPHARMACHIC.

Such also are Treacle-Water, Plague-Water, Milk-Water, Poppy-Water, &c.

Fopps: Pater, ecc., a valuerary Water, thus call'd, by reason the Basis or principal ingredient thereof is Alamn. A variable Water, and Wunning Aur., Angelieu Waters, as similarly perpend of Brundy, Angelieu Room and Seeth, Cardians, Baim, Fonne-Seed, & and then diffill the line is a Motter; builded for a Night; and then diffill the line is a fine a good carriametry, and Cartilla and the Cardial 
Cordial, as also a Cephalic, &c.

Anifera Watern.—To eight Parts of Effence of Anis-feed diffill'd, put three Parts of Brandy, with one of Water boil'd

mix the whole together; and if you require it fugar'd, add half a Pint of clarify'd Sugar ; but many prefer it without a and firain the whole, and urain the whole.

Apricot WATER.—To a Quart of Water put fix or eight A pricots, fliced; boil the whole, to extract the Taile; and when cold, add four or five Onness of Sugar.—When that is diffollyed firain it.

Aromatick Wareas, we have already fpoke of among the

Simple Water Arthritic Waters, are Waters good against the Gout, Palfy, Tremors, Pains in the Joints, &c.—Such are those of Piony, Chamæpetis, Betony, Rosemary, &c. See Arthra-

Bryony WATER, is one of the Compound Waters preferib'd in the College Difpenfatory ; prepared from Bryony Roots,

in the College Differenturery prepared from Erweiy Rears, Rea, Magnort, Savir, Neveriche, Diltsay, 16:—It is a good Plytoin, open Mental Oblimations, 16:—is considered promoted in Mortar, and past in an Archinek.—Then, in Inficient quantity of the Jisic of the time force of Plans, drawn by karperfilms, in parel into the Almehck,—then drawn by karperfilms, in parel into the Almehck, that the inject on the bettem of the Colecular Infiliations. Latily, first on a Capital, and Ising the Iona diffil hair as much place as you put in—This Plater is indicatick, and much place as you put in—This Plater is indicatick, and much place in the College, Maignant Ferro, 16:. See Cart.

Warea of Separation, or Depart, is only Aqua fortis; thus called, because serving to separate Gold from Silver.

See DEPART. It is also called Cauffic, Burning, or Strong WATER, and is prepared of a Mixture of Spirits of Nitre and Vitrioi, drawn by force of Fire; to which are fometimes added Alumn and Arfenic.

Fire; to which are fonetimes added Alumn and Arrens. It diffigives all Metals, Gold only excepted.—The Invention of Aqua fortis, is shally refer to the XIIIth Century: The fome hold it to have been known in the Time of Aforensia and American Amer

Copba-

Cephalic WATERS, are Waters proper to firengethen and common the Brain.—Such are thole of Rodemary, Marjoram, Sige, Pyony, Bettony, Baum, Ed. See Cephalantic.

Capthear WATER, is a Water wherein red-hot Steel has been quenched.—It is affringent, and good, like Ferraginosa or from Maters, for Diartheau, Ed. See CHALVERAY, and

Cherry Waren. In a Quart of Water crush half a pound of Cherries, with four or five Ounces of Sugar. Strain the

of Cherries, with foor of Nev Ounces of Sagrs. Strain be whole the's Chots, till it be very Charger behind in a Charger Wayne,—In a Quarter Charger behind in a Charger Wayne,—In a Quarter Charger of the Fire, as quarter of a Found of Sagrs. Lot it cool, and think a quarter of a Found of Sagrs. Lot it cool, and think in Christian it—Or Ibust. Take a Found of Chanamon, three Pounds of Royal Water, and as much White-wine Is built for Chanamon, fafe it foorteen Days, then dittil in—The first Hazer share circle in the best if, them the Cound is then the thind. See

CINN AMOR

Clary WATER, is composed of Brandy, Sugar, and Cin-namon, with a little Ambergrease diffolved in it.—It helps Digettion, and is Cardiack.—This Water is render'd either Engerton, and is Cardiack.—This Water is render deither purgative or emerick, by adding Redine of Jaliap and Scammony, or Crees Metallerons.—Some make Clary Water of Beandy, Juice of Cherries, Strawberries and Goofeberries, Sagar, Cloves, White Pepper, and Coriander-Seeds 3 infuned, ingard, and fittin'd.

ted; tugar'd, and ttrain'd.

Core Waran, is prepared of Brandy, and Cloves bruis'd
therein, and diffill'd. See Crown.

Gradual or Cardiac Warana, are Waters proper to firengthen, and comfort the Heart—Such are those of Endive, Chicory, Buglofs, Burridge, Marigolds, &c. See CARDIAC,

and CORDIAL. Coffmette WATERS, are Waters proper to cleanfe, fmoothen

and beautify the Skin. See Cosmeric.

Fennel Waren.—Infuse a Handful of Fennel in a Pint of cold Water, for an Hour or an Hour and an half : add three

cold water, for an Hour or an Hour and an hair; add three or four Ounces of Sugar. Strain it, add dithink it.

Gentam Warran.—Take four Pounds of Gentian Roots, either green or dry'd; mince them finall, infufe them in White-wine, or only 'pirisk them threewith; then dith them, with the Addition of a little Centaury the leffer. See

hem, with the Addition of a little Centrary the leffer. See Convention of the Centrary the Centrary C ich Bion, "Tells, and "Enternation transfer in given the Propie of & a thrie crommo Drike. See Housty. He Propie of & a thrie crommo Drike. See Housty. Holge-reddiff Wayra, Agna Repheni, is prepared of the Julico of Scarrygaff, Broak Line, Vener Credit, White-wise, Leconomic and distilled—It is a good Discretic eleasting, and enough Olbrichon of the Fifters, promoting Perification, Se. Throne distilled in Statem Metric, the Company of the Company of the Propies of th

—The good against Faindrage, Pattines, Lestuspues, Apopte-cieve and the Section of the Control of the Control of the Section of the Control of the Head of the Control of the East of the Control of the Control of the Control of the Faint of the Control of the Control of the Control of the East of the Control of the Control of the Control of the East of the Control of the Control of the Control of the East of the Control of the Control of the Control of the is thus: The Veilist control of the is thus: The Veilist control of the Control of Space in the This Illian of the Control of the Marketine Control of the Control of the Control of the Control of the Marketine Control of the Control of the Control of the Control of the Marketine Control of the Control of the Control of the Control of the Marketine Control of the Control of the Control of the Control of the Marketine Control of the Control of

Ingerial Warth, Apna Inferialit, is Water distinct from Common, Natureg, Girco-Birth, Gorea, Cattanta Armentania, Santi, and divers other Stimples, indical water Armentania, Santi, and divers other Stimples, indical water distinct of the Pain, Stometh, and Worth, Water and Common, I water, nate of Bready, and Justiper-Berries bearen therein, and diffill'd. See Baaber 27, and Cipature, and common Water, wherein Quick-turn. Line Waters, in deference of the Common Water, wherein Quick-turn, and the Waters, in deference filters, See Lustin.

Mark Waters, May Lettin, is percented thist, Wenner and Common Water, and Common Water and Common Water.

has teen figl d<sub>1</sub> and fireways and vertex Quick-line Mit. Wrest, year L. vos fired. Sec. Lates Mit. Wrest, year L. vos fired. Sec. Lates Mit. Wrest, year L. vos fired. Sec. Lates Vernwood, Cardiaus Benedicke, Goate Kue, and Meadow-Gorn-but is held Alaxylpharenic and Cephalic.

held Alaxylpharenic and Cephalic. Held Warra, is prepared of Cover, Galangaia, Calebos, Marce, Gardomens, Nameg, Ginger, and Spirit of Wine, digetfiel a, Hours, the milital.—It is a good and agreeable Cordulat Commission. tive, &c.

Nephritic Waters, are fuch as firengthen the Reins, and help 'em to difcharge by Urine any Impurities therein.

Such are thofe of the Honoyfuckle, Pellicry, Raddifh, Beans, Mallows, &c. See Nephratic.

Beans, Mallows, St. See Negharite.
The Nephrite Water of Dr. Radeliff, popularly called
Dr. Radeliff's Water, is taken into the last Edition of the
College Diplenterory. It is prepared from the Kernels of
Black Cherries, Peaches, and Bitter Almonds, beaten in a
Morrer into 1 Falte, with Rhenili Wine; and Seeds of
Smillage, Treach, Multred, Gromwel and Parfley, beaten
interesting, and added thereous? To the Mixture are put Justicewic, and added thereous To the Mixture are put Justicewic, and added thereous To the Mixture are put Justicewich, and added thereous To the Mixture are put Justicewich, and added thereous To the Mixture are put Justicewich, and added thereous To the Mixture are put Justicewich. per-Berries, Garlick, Onions, Leeks, Pimpernel, Horfe-raddifh, Calamus Aromaticus, Cinnamon, Wall-Rue, Mace, and Nutmegs: the whole macerated in Rhenish, Spirit of and Natmogs: the whole macerated in Khennih, Sparit of Black Cherries, &c. and thus diffilled.—It is one of the med powerful Detergers and Cleanfers known; good in the Droply, Janudice, Althun, Pleurify, &c.

Ophthalmic, or Eye Wareas, are fuch as are good in Diforders of the Eyes.—Such are fuch the same good in Cleanflow, Verwain, Plantsin, Calandine, Cyanus, &c. &c. Chem.

Orange Flower WATER, is made of common Water, Su-ir, and Orange Flowers, infufed for about two Hours.

gar, and Jrange-160wers, minted our about two Hourt.— After the like manner, one may make Where of divers other Foreners, as Fine and the John State of the con-other Foreners, as Fine and the Line manner as defi-cient Waters, only with Peacher. Phospetaile Warras, it Lime-Water, to every Pound where of is added twenty or thirty Grains of Corrolive Sub-limate, in Pouder—14 ferres to cleand old Ulcen, to cat of language Hold, Cel. See Phasoanerist.

off fingopas Helfn, &c. See Pragments in prepared from the Plagme Warn, dayae Ephedemia, is prepared from the Room of Maiterwert, Anglicka, Pyory, and Batteeburg a Crimian, Water Germander, Marginda, Dregonn, Gest-Rue, and Mints the whole Infair'd in Spirit or Wine and dillild.—It is of frequent Ufe as an Arketphermachic It reviews the Spirits, and promotes a Dispherofis. It is the Burg of most Julgar now prederith, depictally in feature.

Cofes.

"Phyly Wayra, is prepared from the Flowest of wild Popper, institud in Wistowner, or Branchy, and drawn off in a cold still—In an winding, and paginal the Coles, and in a collegate of the cole, and in the cole, and mach cole, and in the 
Roje Water.—Take of Rojes three Parts, and of Fennel and Rue each, one Part ; chop 'em fmall, and mix 'em well together; then diffil 'em.—This Water is excellent for the

Eyes, &c.

Eye, Efe.

Serolama Watta, is prepared from the Juices of GostRue, Serrel, Scordism, Citron and Trease, digited and

Second Watta, is consistent of the Control of the Control

Second Watta, See Sciences, Agus.

Specific Wattas, are fach as have fome peculiar Virue,
appropriate to certain Diffeles.—The Parkini Wattas, where
in Microry has been intified, is a Specific against Worms in

Second Wattas, See Sciences.

Spleneric Waters, are those proper against Diseases of the Spleen.—Such are those of the Tamarik, Cuscuta, Hartf-

the Spicen.—Such are tonto on the laminit, seasons, the Gregor, Hops, E.S. See Strike, See Strike, Strikett's Water, Agus Strikeni, is made from Cinzanto, Ginger, Galangais, Clores, Numegle, Paradite Grains, Anis-leoks, Sweet Franci, Caraway, Thyme, Minn, Sang, Pennyoyal, Fellitory, Modemary, Rel Moith, Cammils, Olipsay and Lawonder, Heep'd in 690-928. Wine, Spirit of Wine, diffill d.—It is a good Cophaic and Careliac, and is also reputed Hysterical.

Strengthis Waynes, nor fight as hive the Virtue to cleane, fivengther, and confirm the Someth——As Red Role-Warre, Mine-Warre, Andiced Warre, Rec. See Stromacn. Soyjens Waynes. See Aque Regulier, Soyjens Waynes, is a Difficulties of red Virtuel, or the Carolinate remaining in the Record rafter the Spirit in Soyien waynes, is a Difficulties of red Virtuel, or the Carolinate remaining in the Record rafter the Spirit in the Carolinate remaining in the Record rafter the Spirit in the Carolina of the Carolina of Spirit Carolin

two Omces of Funtane Patter—use Concess of Funtane Patter Concess of Patter Concess of Patter Concess of Patter Concess of Patter Concess, March Law Conc

diffill—It is the moft used of any in the Shops, the Dr. Quinty decries it as one of the word concerved of all. Its Intention is to be an Alexipharmachic and Sudonife.

Other Diffendatories give a more imple fracto-lytter, made from Treacle, with an equal quantity of Brandy and Vinegur—It is good for Ulcers, and Erodions of the Moute, effectivity if a little drawman Bole be diffield therein.

TREACLE

Vulnerary Warez, is a Water proper for the healing of Wounds, prepared from the Juice of Vulnerary Plants. See VULNERARY.

in the Pericardiums of Fetus's.

It has likewife been diffused whence it flould be fepara-It has likewife been dijusted whence it flouid be fepatra-ted.—The fierfield oplism is, that it is forcined by four Glands shour the Bulks of the Henry and that it dillike flower than the shour the first of the fermion of the feet of the first open and the fermion of the the Mation and Warmth of the Henry and 6 needs to Executive. In Ule 16, to mostilla, bulkerier, and cool the Deceasion of the flower of the first open of the first the day Frificion of the Henry and Fericardium. So that it does the firm of Diese to the Henry that the Water does wherein the Fanzi fulness which without it would not have bleavy to move at it. So R Hazar.

WATER is also used in divers Ceremonies, both Civil and Religious.-Such is the Baptifinal Water, Holy Water,

and Religions—Such is the Engelined Weere, Edity Weere, See, See Barryan, 18 ferry respect over Smaley in the See, See Barryan, 18 ferry respect over Smaley in the Religion See, 18 ferry respect over Smaley in the Religion See, 18 ferry respect to the See, 18 ferry respective and going over of Church 1 and protended to bear the Via-fering from Thanker, distribute Church, Seeting Simo, 18 ferry coming Difficials, 25 fee. Weere appears to be of a perty sentent finding in the Church 1 without S. Sermin, that Jack 28 february, and Greetly of Brendfill, Chy. 2, 25. Marry whether Edit Represe, Marian.

Martyr under the Emperor Adrian.

Marry under the Emperor Adrian.

Many of the Reformed take the Use of Holy Water to have been borrow'd from the English Water of the amient Romans. See Luvers Allis.—Tho it might as well be borrow'd from the Sprinklings in use among the Yever. See Numbers xix, 17.

some of mine use operatings to use among use years. See

"Trian Golffry Sher, a German, has Bifferttien pitting
et at Leipfe, to three, by Peools brought iron Church
Hilley, that com any give Hilly Pitter to orish to Butter,
and mention mode of a Pitter, which Leither Law, we
find mention mode of a Pitter, which Leither Law, we
find mention mode of a Pitter, which
have on no a Wonnian were an Adulteria.—The Pitteria
was this The Picit, efforing the the Holy Witter, domenwas this The Picit, efforing the the Holy Witter, domenwas this The the the field, eff. in Minded of the
three or no a Wonnian were an Adulteria.

"The Pitteria of the three three three three three
three or and three three three three
three or and three three three
three three three
three three three
three three
three three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three
three

fhe be not defiled, the thall be free, and conceive Seed." WATER Ordeal, or Trial was of two Kinds; by hot,

Were a Oracle, or Tried was of two Kinda p by hos, or by cold Harm.

Tried or Pungasion by beliefly or bet Water.—Among most process of the Martin of Pungasion by helitage or bet Water.—Among managed the history with different Kettler of the Martin of the Accolded was obliged to part his naked Arm hose off the Accolded was obliged to part his naked Arm hose of the Accolded was obliged to part his naked Arm hose off the Accolded was thought of the Accolded was the Arm water was the Accolded with the Arm water was the Accolded with the Arm water was the Arm water wate

The Nobles and great Perions purg'd themfelves thus by hos Water; and the Populace by cold Water.

F. Mabrillon will have this Community.

how Werer, and the Expanse. by mild Better.

F. Mednium will have this Common jurindeced by people Experim II. in flees of making Onth with the Hand laid on people will be the people of the people o Water, and take out a Ring put therein. Sometimes, in-deed, they substituted another Person to make the Trial, in the room of the Accused: Accordingly, the Rank and

in the room of the Accold's Accordingly, the Rank and Quelling of Themicry excusing the from making the Protes Quelling of Themicry excusing the from making the Protes of 
WATER, among Jewelers, is properly the Colour or Luftre of Diamonds, and Fearls; thus call'd, by reason these were antiently supposed to be form'd, or concreted, of Wa-

were suritary improve to be sured,

for Sec Cray, &c.

Thus, they fay, fach a Pearl is of a fine Water. See Prart,

The Water of fach a Diamond is moddy. See Dramond,

The Term is fometimes also uted, the left properly, for
the Colour or Hue of other precious Stones. See Practous

WATER-Bailiff, is an Officer antiently cflablish'd in all Port-Towns, for the fearthing of Ships; as appears from 28 Hen. VI. cap. v.

There is fuch an Officer still on foot in the City of London There is fach an Officer fill on toot in the Luty or Lonson, who fupervise and dearches all Filh brought thinker; and gathers the Toll arifug from the River of Yesunes.—He arends also on the Lord Mayor, and hash the principal Care of marthalling the Gaetis at the Table.

He also article Men for Debt, or other Personal or Criminal Mattern, on the River of Thomes, by Warrant of his

and Matters, on the River of Thomers, by Warrant on an Superiors, Sc., in the Sc. Lenguage. — Ably a fails to be Superiors, Sc., in the Sc. Lenguage. — Ably a fails to be Blate been, when the is when there is no more Blater than the Ground, the first begins to float or form. — Superior than the Ground, the first begins to float or form. — Superior distinct and mid of with Gunn Fallers—— controllations to Oil Charter, Sec Cascan.— and what we call Limming a state of Charter of the Cascan of the Charter of superior than the Charter of the Charter of Decel Warran, in the Sc. Language, in the Eddy Blater Decel Warran, but Sc. Language, in the Eddy Blater

SCE LIMSHIG, and Paintrino.

\*\*Trend-Warts, in the Sca Language, is the Eddy \*\*Mater\*\*

\*\*Proof-Warts, in the Sca Language, is the Eddy \*\*Mater\*\*

\*\*Proof-Warts, in the Sca Language, is the Eddy \*\*Mater\*\*

\*\*Barts of Sca Language, soo paintring away for Sca Language, soo paintring \*\*Auguage, Sca Eddes, Souwhisse, Sca Language, Warts, Gage, an Indirument to meeting the Depth or Quantity of any \*\*Mater\*\*, Sca Cana, Souwhisse, Gage, Warts, Gage, from the Saxon \*\*Mater\*\*, Sca Canal, Thanker, Transle, to concept a Stream of Mater\*, Sca Canal, Thanker,

WAYER-Line, of a Ship, is that Line which diffinguishes that part of her under Water, from that above; when she is duly laden.

WATER Messigne.—Sait, Sca-Coal, &c. while aboard Veffels is the Pool, or River, are measured with the Cornelland up is or elie five firthed Pecks are allowed to the Beffuel.—This is called Water Messigne, and exceeds which the Messigne is the Code Water Messigne in the Code Water Messigne is the Code Water Messigne in the Code Water Messigne is the Code Water Messigne in the Winchester-Measure by about three Gallons in the Bushel.

See Measure, Chaldron, Sc. Water Posts. See Hydrometer

Dr. Hook has contrived a Water-Poule, which may be of good fervice in examining the Purity, &c. of Water. It conflits of a round glafe Ball, like a Bolt-head, about three Inches in Diameter, with a narrow Stem or Neck, \( \frac{x}{x\_0} \) of san Inch s which being posifed with red Lead, so as to make it but little heavier than pure sweet Water, and thus fitted Dat sutte heavier than pure tweet Water, and thus fitted to one end of a fine Balance, with a Counterpoife at the other; upon the leaft Addition of oven \( \frac{1}{2}\superset{\text{AZ}}\). Part of Salt to a quantity of \( \frac{Water}{\text{AZ}}\), had fan Inch of the Neck will im-mence above the \( \frac{Water}{\text{AZ}}\), more than did before. Philosoph. Transatt. Nº 197.

WATER-Scape, of the Saxon Waterfebap, denotes an queduct. See Aquepuct.

Warts Softs, of the Suson Fattinguing, econocs as Warts Softs, a young Sprig, which furings out of the Root or Stock of a Tree. See Stoors, Stock, Sfr. Warts Softs in the Sca Language, a fer of riding at Warts Softs in the Sca Language, a fer of riding at grant down but quartered between the Warts-Zofts, in Archichector, is for oil Lodge, left in Sance or Brief. Walls, shown the Lock of the Wall See give no abstr. See Warts.

Warts-Zofts, in a Ship, it is fould Lodge of Timber, bying on the Dick, dott by the Sides; or long the Brief.

ing on the Deck, clofe by the Sides 3 to keep the Water from running down there, the residing Water in long rear quantity out of a deep Well. See Prass as Wheel. WATERING, in Cardening Set, the Application of Wa-ter to the Soil of Plans, ISC, when not furticently resident the Soil of Plans, ISC, when not furticently resident After fowing Seed of any kind, to the Ground be ever fody, they flound sever be unser'd till they have been at Rouns in the Ground; and the Ground is a little fetticl Hours in the Ground; and the Ground is a little tettice about 'em; otherwice, a too great glut of Noutifinment at first will be apt to burst' em. See SEED, and SOMING. Care is to be taken, that the Leaves of yeang and tender Plants ben't entery' at all while the Weather is cold; only the Ground to be were about 'em.

For hardy Plants and Seeds, if the Nights be cold, water in the Forencon; otherwise in the Evening.

Water that comes out of deep Pits, or Wells, should fland Water that comes out of deep Pin, or Wells, flowful fland a Day in an open Vells, or it be applied to sender Plants in the Spring. Doing of Slaces, Indigenous, or House, as Growth of Plants. See Maxwara.

Waynamo, in the Manndshuret.—To Water a Straff, it on you is a Ladite, by verting it highly, and then patility to give in a Ladite, by verting it highly, and then patility to give in a Ladite, by verting it highly, and then patility or give in the patients of the Charles of the See Maxwara. On the Charles of t

maked red Flesh that hangs under a Turkey's Neck.

WAVE, Undet, in Physicks, Sic. a Cavity in the Surface
of Water or other Fluid, with an Elevation aside thereof.

of Water or other Field, with on Elevation field: thereof. See Fairin, and Warria.

The Origin of Heavit may be thus concivered—The Same Time Origin of Heavit may be thus concivered—The Same Time Origin of Heavit may be the credered hololog, as as at A<sub>i</sub> (Tab. Heavit Medical Piles 200) its Cavity will be formounded with an Elevation Bil; this middle Water will deficient out that the Cavity of Water will adopt the Cavity of the Cavity of Marcine, the Water will adopt a the Safet of this Cavity, and the Cavity Air Land of the Water of the Cavity Air Land of the Cavity

1°, Then, the Cavity, as A, is incompaled every way with an Elevation; and the Motion abovemention'd expands every way ; therefore the Water are moved circu

larly. 1stry.

2° Suppole, now, A.B. (Fig. 31.) an Obffacle, against which the Wree, whole beginning is at C, strikes; and we are to examine what Change the Wave suffers in any Point, as E, when it is come to the Obstacle in that Point. In all

aboard Places thro' which the Wave passes in its whole Breadth, ac Corn- the Wave is raised; then a Carby is formd, which is again lowed to fill up; which Change, while the Sartec of the Wave lower is passes in Particles go and return thro' a final Space is Particles go and return thro' a final Space is passed.

fill'd up; which Change, white the Sartice of the Water underpook, its Pritcies go and return thru's firall Space; and the same of the same of the same of the same of the try may be repreferated by that Line—Let his Motion be conceived no be reloived into two other Motions, along GE and DE, whole Celerities are respectively repreferated by those Lines. By the Motion along DE, the Particles on not all against the Oblascles but after the Stroke, consi-ne their Motion in that Direction with the time Celetity 3 and this Motion is here repreferred by E.P., supposing E.F. and E.D to be equal to one another: But by the Motion slong G.F., the Particles first, directly against the Obstacle, and this Motion is desiroy'd; for the the Particles are elaf-

this Motion is defined a few the the Farticles are clas-ticle; yet, as in the Motion of the Farticles are clas-ticle; yet, as in the Motion of the Farticle promoted for flowly, that the figure of the Tarticles cannot be changed for flowly, that the figure of the Tarticles cannot be changed of Bodies perfectly hard. See Faccusaron. But there is a Redecision of the Farticles, from snowber Caufe: The Water which cannot go forward beyond the Othicle, and is quited on by that which follows it, gives way where there is the leaf of the Farticles, that is, affected Parent, it caused by the Motion Stong G. Et. becausit it And this Elevation, which is greater in forme than other Places, is caused by the Motion slong G E; because it is by that Motion alone that the Particles come against the Obitscle.—The Water, by its Defeent, acquires the fame. Velocity with which it was raised; and the Particles of Water are repell'd from the Obffacle, with the fame Force in the Direction E G, as that with which they flruck against the Obstacle. From this Morion, and the Motion against the Ubstracte.—From this Morion, and the Modon abovemention'd along E.F., side a Motion along E.H., which Celetity is express'd by the Line E.H., which is equal to the Line C.F.; and by the Reflection, the Celetity of the Wave is not changed; but it returns along E.H., in the fame manner, as if taking away the Oblincie, it had moved a-loner H. is.

manner, as a second long E.h. of the order of the produced, for that De finall be equal to CD; the Line He continued, will go therow e: And as this Demonstration holds good in all Points of the Oblincle; it follows, that the reflected H/we have the fame Figure on CM could have had beyond the it follows, that the reflected Move has the fame Figure on that fade of the Obffacle, as it would have had beyond the Line AB, if it had not fruck against the Obtfacle—If the Obtfacle be inclined to the Herizon, the Water rifes and defends upon it, and faffers a Friction, whereby the Reflection of the Water is disturbed, and often wholly deflroyed. And this is the Reason why very often the Books of Raves. do not reflect the Water.

furnameded with an Elevation on every Part beyond the Hole, which mores every way in the fairne manner as was lid down in the Generation of the first Week. In the fame manner, a Week to which an Orltacle, as  $\Lambda$  O, is opposed, continues to more between O N; but  $c_2$  manner in C and C are the C and C are the C are the C and C are the 
as MN.

as M N.

Water are often produced by the Motion of a tremulous
Body, which allo expand themfolves circularly, the the Body goes and returns in a right Line; for the Water which
is ratiod by the Agitation, defending, forms a Carity,
which is overy where furrounded with a kiling.

Different Worst do not diffurt one another, when they
more according to different Directions.— The Reason is,

Different Maters on nor diffurb one another, when they move according to different Directions.—The Reason is, that whatever Figure the Surface of the Water has acquired by the Motion of the Maver, there may in that be an Elevation and Deprecision; as also fuch a Motion as is required as the Materior of a More

in the Motion of a Wave.

To decremice the Chetrity of the Wiros, another Norths, analogous to their mult be commissed.—Let there be a Ligidal in the recurve cylinder. Their Chet Page 13. In 1987, the control of the Liu, High 1987, but he can be compared to the control of the control of the Chet Page 13. In 1987, th To determine the Celerity of the Woves, another Motion,

the Liquid is the Taxon tree and talk, util it has both an in Monther by the Erick mere to be moved, is the whole Liquid in the Taxon greater than the Company of the Company of the policy of the Company of the Company of the Company of the whole the Company of the Company of the Company of the whole Company of the Compa

is, the Wave goes thro' its Breadth, while a Pendulum of the Length of half BC performs two Ofcillations, or whilft a Pendulum of the Length BCD, that is, four times as long as Produinn of the Longin BC13, that is, four times as long as the first, perform now Whenhon. Therefore, the Celeity of the first, perform now whenhon the contract of the which is greater, as the Breadth of the Wave is greater, and as the Water defends deeper in the Mocion of the Wave. —In the breaded Waver, which do not rife high, fach a Line as B CD, does not much differ from the Breadth of the Have; and in that Cafe, a Wave moves its breadth while a Tendlam enqual to that Wave of collisies once. See

ÖRELLATION.

In evry-quals Madion, he Space goes that been fall to evry-quals be Madion, he Space goes the spirit gains true by the Celerity, you have the Space goes their it shace if sillows, that the Celerity of the Films are set the figure Roses for the Films are the state of the Films are set to the figure Roses for the Films are the three in which fact the set of the Films are the Films to be set of the Films are the Films are the Films by that Celerities that ye has the Breadth of the Times by that Celerities that ye has a the Breadth of the Common fall of the Films are the Fil OCCUPATION.

Wores.

It stiffs called Driefy. See Univ.

The Warw, as a fold seed to the Language, for the making diags for a Veiffal to come near, or keep off. See Storsat.

WAVESON, in the Administy Law, a Term used for furth Goods, as after Shipwerck do appear telumination on the Wark Law, a form used to the Committee of the Goods, as after Shipwerck do appear featuring on the Wark Law, as for yellowish Matter, whereoff the Bees form Colls to receive their Honey. See Carta.

Wark Law and Excrement of this labelious loiced, as the

Anticuts, and after them many of the Moderns, have imagird.

"Tip properly a Juice, exading out of the Leaves of Plants, and ashering to the Surface thereof, from which it is faryly and ashering to the Surface thereof, from which it is faryly come of the Surface and Surface a

18 not an animal, but a vegetable southance. Naturalities have generally imagind the Wast to be gather'd from the Flower, form the Petals, and others from the Aptecs; but Barythasta effirms it a Juleo peculiar to the Leaves, and not afforded by the Flowers, which only yield Honey. See Hower.

yield Hency. See Hown;
The Hosp is form do mire it in Perfection in the
Entral to form do mire it in Perfection in the
Entrals of the little Animal Whereas the Way, being
a hard Soblunce, is gathered only with the fore Leger and
Chaps; conveyed thence on the middle Lege, and these to
Carly in Conveyed thence on the middle Lege, and these to
Carly ill, the how of a Spoon, to receive it; and where
it is collected into Heaps, of the fluspe and fase of Lentils.
The Res arrived at the Hire with a Load of War, fields

The Bee arrived at the Hive with its Load of Wax, finds fome difficulty in unbordening himfelf of 6 recasious a Matter.—Frequently, being unable to lay it down himfelf, he calls for Affiliance, by a patricular Motion of the Lega and Wings; upon which, a number of his Companions first run

The state of the s

To preceiv the Figs from the Combs for afe; after fepassing the Hosey from them, in the numer decirld's
under the Article Bloxxy step year lite Master emaiing in a large Kertis, with a finiticient quantity of Water; a
time in the Article Register of the Article Register of the Article
and the Article Register of the Article Register of the Article
at the a line Golden, by a Perfor ice could, they found it will
a Tyle, or a piece of wee Wood, and call it, while yet
article and the Article Register of the Article
Article Register of the Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Register of the
Article Regis

The own of the control of the contro

### White WAX.

The whitening or Belief Wax. In getform'd by re-ducing the soften-dependent of the soft of the con-ducing the soften-dependent of the soft of the con-mering it, and throwing it, while her, lore out Water, or celle by pre-soft pit into very hills Leeve, or Selan. This con-tains the soft of the soft of the soft of the con-tains the soft of the soft of the soft of the soft of the theory of the soft of the soft of the soft of the soft of Sum and Dev. and the soft of the soft of the soft of again feveral times; fill laying it out to the Air in the In-tervals between the Meltings.

When the Sun and Dew have at length perfectly blanch'd When the sum and Lew have at length perfectly blanched, it, they melt it for the lift time in a kape, Kette jout of which they call it with a Ludle, upon a Table covered over with little round Decus or Cavities, of the form of the Cakes of white Mac fold by the Apothecaries, Sc. having first wort their Modes with cold Water, that the Mac may be the caller got out. Luttly, they lay out their Cakes to the Air for two Days and two Nights, to render it more transfarrant for two Days and two Nights, to render it more transfarrant.

This Wax is used in the making of Torches, Tapers, lambeaux, Figures, and other Wax-works. See Tapers, TORCH, &c.

It is also an Ingredient in Plaisfers, Cerats, and divers Pomatums and Unguents for the Complexion. See CE-Yellow Wax is made fost with Turpentine, yet retains its natural Colour.—Red Wax, is only the white melted with Turpentine and redden'd with Vermillion or Organette.—

annual Colone—Red Wise, is only the white methed with Tarpestent and cederal with Vermiller or Organeza—Rappenter and redefand with Vermiller or Organeza—Shiek——Some Travuler rell as of a mineral black Wise, a stating us the case Rice, both in the Legal and Wift-Index Like Wise, a stating us the case Rice, both in the Legal and Wift-Index Like Wise, a stating with the late of the Original.

Grafting Wax, is a Composition serving to bind or fix the Bud or Graft in the Cleft of the Stock. See Graft-

Inhaid of Griffing Wax, the Country Gandeners, Ge-enny afe Clay, which they lay over a piece of linear Clath, and fo keeps insufficient is under power to receiving with the and fo keeps insufficient is under power to receive the self-size of the country of the country of the country country of a Young of Wax, and a Ornear of Oil of Al-monds, melect and mix'd supplies y with the Addition, in Fee Cells Graffing, Whip Graffing, and Graffing by Ap-proach, Mr. Morrison recommends tempered Clay, so for The Cells Graffing, Whip Craffing, and Graffing by Ap-proach, Mr. Morrison recommends tempered Clay, so for the Cells of the Country of the Country of the Wax over, or Wax-story Cortiques, and Graffing by Ap-ticulating Lights, or Couldes in the Carelos. See Lewistacks. Ramus Ways, are divided from Coughters, Previous, Mo-titorers, and Publishes. See Mixtrasty, Us.

We have four notable ones in England; antiently call'd Chimini quature, and entitled to the Privileges of Pax

Rigit.
The first, Wasting-street, or Wartam-street, leading from Dover to London, Dunsteble, Toncester, Atterston, and the Severn, near the Wrekin in Strongbire, extending as far as

Angless in Wates.

The second call'd Revild Greet, fleetches from Southamp-ton over the River Isis at Newbridge, thence by Cambdan and Litelifeld, then passes the Derevent near Derby, so to

and Liteopted, men paints the Exercisin sear Dirty, in the Bullour Calife, and ends at Timonath.

The third, all'd Foff-Way, because in from Piaces it was never perfected but lies as a large Dirth; leads from Corweal thre' Direcuffire, by Tiburary near Store in the Wolds; and belied Conserty to Leicefer, Newark, to to

Lincoln, &cc.

The fourth, call'd Brmin or Erminoge-fireet, firetches om S. Dovid's in West Wales, to Southampton.

Milky WAY. See GALARY.

Way of a Ship, is fomerimes used for the same with the
Rake, or Run of her forward and assward on. See RAKE.

NEARC, OF KAIN OF her roward and aftward on. See RAINS.
But the Term is more commonly underfixed in refpect of
her failing.—When fine goes apace, they fay, fine hath a
good Way 3 and they call the Account on which the falls by
the Long, Resping an Account of her Way. See Lon.
And because most obligate are apt to that lattice of their tree. Constitution of their tree Conting for the Loceward Way; which
is not Point, or more, according to the Way of inflation. is one Point, or more, according to her Way of failing. See

RECRONING.

CAMINE

Cannon. WAY-WISER, an Infrument for measuring of the Road,

or Diffance gone; call'd also Perambulator, and Pedometer. See PERAMEULATOR, and PEDOMETER.

WAYWODE, is properly a Title given the Governours of the chief Places in the Dominions of the Czar of Mufcory. or Goverours of Provinces in Poland, The Palatines, fo bear the Quality of Waywodes, or Waiscodes. See PA-

The Poles likewife call the Princes of Walachia and Moldavia, Wayrondes; as effecting them no other than on the Foot of Governours: Pretending that Walachia and Mildavia are Provinces of Poland; which have withdrawn them-felves from the Obedience of the Republick.

Every where elfe they are call'd Hofpodars. See Hos-Du Cange fays, that the Name Waywoode is used in Dalmatia, Creatia, and Hungary, for a General of an Army: And Leunelavius, in his Pandells of Turkey tells us, it

And Lenedevint, in his Pandedli of Turkey with us, it is usually linguised explanation enoicy Fars of a Country is a few formation of the Country with the Richard of Kent.—It is miligrated in force Rooks and Many, the Witter of Kent. Sollyris, and darray. WEANEL, a Country Word, for a young Beatt newly created, or tracks from the lings in Dam. WEANOVS. See Annua, and Annovers.

WEANOVS. See Annua, and Annovers.

WEANOVS. See Annua, and Annovers.

WEANOVS. See Annua, and Annovers.

WEANOVS. See Annua and Annovers.

WEANOVS. See Annua and Annovers.

TRANSPLANTATION, &c.

WEAR, or Ware, a great Stank, or Dam in a River; fitted for the taking of Fish, or for conveying the Stream to a Mill. See Fishing.

a Mill. See Fissing.
WEATHER, the State or Difposition of the Atmosphere,
with regard to Moditare or Drought, Heat or Cold, Wind
or Celm, Rain, Hall, Froß, Soom, Fog. 26. See Armosynther, Rain, Hisary, Wind, Hall, Froßt, 16.
As 'this in the Atmosphere that all Plants and Animals live and breathe, and as that appears to be the great Principle

of most Animal and Vegetable Productions, Alterations, &c. (See Ara.)—There does not feem any thing in all Philo-Coc Ma. 3.— There does not focus are thing, in all Phile-Sphy of mose immediate Concennence us, than the State of his Wester — In order, all their "Things on only Me in the Company of the Company of the Company of the State of the Company of the Mart vall, yet regular Alternation, a first Fure or Wise, or in a piece of State, 16s. The Company of the common Inlance of States, 16s. Even play the control the common Inlance of States of the Company of the

"Tis certain, a great part of the Brute Creation have a Senfibility, and Sagacity this way beyond Mankind; and yet, without any Means or Disposition thereto more than we; except that their Veffels, Fibres, &c. being in other respects in one equable Habitude; the fame, or a proportionable Cause from without, has always a like, or proportionable in one equation riantrate; the latter or a proportional counte from without, has always a like, or proportionable Effect on them: that is, their Veffels are regular Baromoters, gic, affected only from one extremal Principle, wie, the Disposition of the Atmosphere; whereas, ours are acted on the counter of Diporition of the Atmolphere; whereas, ours are acted on by divers from within, as well as without; form of which check, impede, and prevent the Adion of others. See Ba-ZOMETER, THERMONIZER, HYDSOMETER, Eff. We know of nothing more wasting than a just Theory of the Westler on Mcchanical Principles.—But in order to that,

compleat Hiftory of the Weather will be requir'd

a complext Hiltory of the Weather will be required. Were Regliffers carefully kept in diverse Parts of the Globe, for a good Series of Years, we fhould be inabled to deter-mine the Directions, Breadth, and Bounds of the Winds, and of the Weather they, bring with them, the Correspondence between the Weather of divers. Places, and the Dependence between one for and another at the time Place.—In time, on doubt, we might learn to forcert divers great Emergen-

between one feet ans an official divers great knoegeout odes, we might learn a feet divers great knoegeout of the season of Plot did the fame at the fame Place, for the Year 1684; Plot did the fame at the fine Place, for the Year 1883, 183. Mr. Hiller, a Cycle Civil, for the Crean 1884, 1838, 184. Henr., Sc. at Griffsum Chiley, for the Year 1893, 1838, 184. Henr., Sc. at Griffsum Chiley, for the Year 1893, 1693, 184. Mr. Crean, 1893, 1893, 1894,

Yranjact.

The Form of Mr. Derbam's Observations, we give as a Specimen of a Joarnal of this kind, ebserving that he notes the Strength of the Winds by 0, 1, 2, 3, 35°, and the Quantity of Rain, as it fell thro's Tunnel, in Pounds and Central Control of the Control of Rain, as it fell thro's Tunnel, in Pounds and Central of Rain, as it fell thro's Tunnel, in Pounds and Rain, as it fell thro's Tunnel, in Pounds and Rain, as it fell thro's Tunnel, in Pounds and Rain, as it fell thro's Tunnel, in Pounds and Rain, as it fell thro's Tunnel, in Pounds and Rain, as it fell thro's Tunnel, as it fell thro's

Transact.

Phenomena of the Weather, October 1697.

| Day. Hour. | Weather. | Wind.                 | Barometer.              | Rain |  |
|------------|----------|-----------------------|-------------------------|------|--|
|            |          | S. W. 2<br>S.W.b.W. 5 | 19 37<br>19 34<br>29 88 | I 51 |  |

As a Specimen of the Use of such Histories, we shall add some general Remarks drawn from them by Mr. Derksm; and,—e. "That Riggy Wessler makes the Mocraty rise in the Barometer, as well as the North Wind.—The Cause, he fuggets, probably enough, to be the Accession of the Load of Vapour to the former Weight of the Armosphere.

Missing Weather, he likewise observes to have the like

4°, That the the Winks in both Flaces frequently agree, yet they oftened differ. See Winn.

10°, with the work of the work of the season of th

Agreements and the Colorest and the Barometer are greateft, 

"". That the Variations of the Barometer are greateft, 
as the Places are neareft the Pole.—Thus, e.g., the Mexcury 
at London has a greater Range by two or three Lines thin 
at Paris; and at Paris a greater than at Zarzho. In 
fome Place December 2018.

at all. See Baromerer.

8°, That the Rain in Switzerland and Italy is much greater in Quantity, throughout the Year, than that in Efgreater in Quantity, throughout the Year, than thus in Hi-ffer 3 yet the Railin as more frequent, i.e. there are mor-phily lyis in Hilling, that it either of these Triace.—The weak was any good Olderstones of Hadden thus A. Larnet-the Depth of the annual Rain, as a Medium, is about 14; Employer and 19 of 14; as 2 Part 13; as Life in Part 19 of 19; as 19 of 19; as 19; as 19; as I will complete rais; See Rain. While the Larnether 4; as a Part 19; but offening the city depth of Larnether 19; as the part 19; but offening the city of 19; as 19; and 19; and 19; of 19; and 19; and 19; and 19; and 19; and 19; and 19; of 19; and 19; of 19; and 
10°. That high ridges of Mountains, as the Allys, and the Snows they are cover'd within, but only sifted the neighbouring Flaces by the Colds, Rains, Vapours, Er., they produce but even diffiant Countries, as England, often partake of their Effects—Thus, the extraordinary Colds Dicemb. 17°S, and the Relaxations thereof, were fit at England Swirzerland, feveral Days ere they reach'd us: An Indication, McDerhom thinks, that they were derived from them to us.

Indications or Prognoflicks of the Weather. We don't here mean to obtrude the idle, arbitrary Observations of fanciful People upon our Reader. That Cloud of popular Predictions from the Brute World, which parily or popular receits ons from the Brute World, which parily the Sagacity, and parily the Credulity of our Countrymen have eftablished, we fer afide, as nor flowing from any na-tural, necessary Relations, that we know of, in the Tainga themselves.—Such is the forcetting of Rain and Wind from When World Beckling in Charding I and Employ.—I were Water-Fowls flocking to Land, or Land-Fowls to the Water; Water-Fowls flocking to Land, or Land-Fowls to the Water; from Birds puning their Feathers, Geofg ogggling, Crows cawing load, and flying in Companies, Swaliows chattering and flying low, Peacocks cryping math, Affec braying, Deer fighting, Foxes and Wolves howling, Fifnes playing, Ants and Bes keeping within Doors, Moles calling up Earth, Earth-Worms erceping out, 28e-We flasti offer nothing on this Head, but what has fome visible Foundation in the Na-ture of Things; and which lets fome Light into the Caufo and Reason of Weather it felf, or discovers some notable Effects thereof.

Effects thereof.

2. Then, a thick dark Sky, fadam cedam, lafting for firm etime, without either Sim or Rasia, always becomes first fair, then fain, i. e. changes to a fair clear Sky, ere it urms to Rain.—This, the Rev. Mt. Clarke, who kept a Register of the Weather for 30 Years, fince pur into Mt. Derhan's Hands by his Grandlen the learned Dr. Sam. Clarke; this. of the Weather for 5: Vers, face; par into Mr. Derbark. Hands by his Cramble the learned Is Sen. Gazher; his Mr. Hands by his Cramble the learned Is Sen. Gazher; his William was in any of the Entirty Prints: But Mr. Derbark she for the Rule in bold goal, he the Will where capter with Vapour, which, the fafficient to relied and intercept the Sant Mr. Form as, yet wast Dendry to destroy the William and the William and the William and the William and the Weather will do for too. Accordingly, facil Meather in General Weather will do for too. Accordingly, facil Meather in General Weather will be for the Santon Weather will be for the Santon Weather will be for the Santon Weather will be for the Gazze with the William Santon Weather will be for the Santon Weather will be with the William Santon Weather will be for the Santon Weather will be with the William Santon Weather with the Willia

s us he has had fo many Confirmations, that he makes loubt of it. Thus, it is common to fee a warm Soulater us lie has had to many Coharmstrian, we warm Sou-no doubt of it. Thus, it is common to fee a warm Sou-therly Wind fuddenly chang'd to the North, by the fall of Soow or Hall 30 or to fee the Wind in a cold forth Morning, North, when the Sun has well warm'd the Earth and Air, wheel towards the South ; and again turn Northerly or Eaf-

wheel owerch the Such , and spin nurs Northerly or Est-terly in the cold Evening.

"I allow Foundate explant letter Flowers and Zhown in Flowers and State of the Color of the Color of the Rame, cloft to neglicy effectually at the beginning of their flowerings when their Social net render and fundios—This Downs and enhancing in the Flowers of Flungment | the opening and flustring of which, Gerard dollerers, are the depending and flustring of which, Gerard dollerers, are the effect of the following Day—The Rule is, if the Flowershee cloft flust up, it benkenn Rain and Sont Flusters | if they been supported to the color of the Color of the Color of the Fluster State (The Color of the Color of the Color of the Fluster State (The Color of the Color of the Color of the Fluster State (The Color of the Color of the Color of the Fluster State (The Color of the Color of the Color of the Fluster State (The Color of the Color of the Color of the Fluster State (The Color of the Color of the Color of the Fluster of the Color of the Color of the Color of the Fluster of the Color of the Color of the Color of the Fluster of the Color of the Color of the Color of the Fluster of the Color of the Color of the Color of the Fluster of the Color of the Color of the Color of the Fluster of the Color of the Color of the Fluster of the Color of the Color of the Fluster of the Color of the Color of the Fluster of the Color o

letque gouis q quam mêthi compriment, aperire incipit folis exorum, meridie expandis, Incode deurmer cam dicust. Pitn. Nat. Hift. Lib. II. cap 11.

The Sulk of Trefoil, my Lord Bacon observes, fuells against Rain, and grows more upright: and the like may be observed, the not so sensitive, in the Stalkes of most other Plants.—He adds, that in the Stalbes Fields there is found for the stalkes of met other plants.—He adds, that in the Stalbes Fields there is found for the stalkes of met other plants.—He adds, that in the Stalbes Fields there is found for the stalkes of met other plants.—He adds, that in the Stalbes Fields there is found for the stalkes of the s a fmall red Flower, call'd by the Country-People Wincopipe; which opening in a Morning, is a fure indication of a fine

That Vegetables should be affected by the same Causes that affect the Westber, is very conceivable; if we confider them as fo many Higrometers and Thermometers, con-fifting of an infinite Number of Trackee, or Air-Veffels; fitting of an infinite Number of Tractice, or AIT-VICHES, by which they have an immediate Communication with the Air, and partake of its Moiffure, Heat, Gr. Thefe Tractes are very visible in the Leaf of the Scabiofe, Vine, Gr. See Planky, Vigit Plank, Gr. Under the William of the Scabiofe, Wine, Gr. Wine William of the Scabiofe, Wine, Gr. Wine William of the Wine Will Wood over the health and mod for Hence it is, that all Wood, even the hardest and most fo

Hence it is, that all Wood, even the hardeft and most fold, fwells in mosit Weather; the Vapours easily infinanting into the Pores thereof; especially of that which is lightest and dryeft.—And hence we derive a very extraordinary use of Wood, wiz. for breaking Rocks and Mill-Hones. See

Woon. Their Method at the Quarries is this.—Having cut a Rock into a Cylinder, they divide that into feveral infer Cylinder of the Cylinder of Indications and Predictions of the Weather from the Ba-

rometer. See BAROMETER. WEATHER-Cock, or WEATHER-Vane, a moveable Vane, in form of a Cock, or other flape; placed on high, to be turn'd round according to the Direction of the Wind, and olnrout what Quarter the Wind blows from. See WIND.

point our wait Quirter the Wind blows from. See Wirsh. Waxruss-Gillip, are Infilmenses contrived no indexes of Cold, Gravity, Moil'ure, Efe. to mediare the Chinges be-falling in tober (epiclet), and by shot means no predict be Alternite of Wester, as Rains, Winds, Snow, &c. Under the Califor of Waster-Gillip, are comprehended Barwaters, Thermanurer, Hyproscers, Momenters, and Administration of Cases whereof there are devire Kinds 1 See Administration of Cases whereof there are devire Kinds 1 See

their Theories, Conftructions, Ufes, Kinds, &c. under the respective Articles, Barometer, Thermometer, Hy-GROMETER, &c.

GROWNTER, US.
WEATHER More, in the Sea Language, that fide of a
Ship which is to the Windward.
WEATHER Ggg, at Sea.—A Ship is faid to have the
Weather-Ggg of another, when fite is to the Windward of
her. Sec Gaoz.

WEATHERING, a Doubling, or getting to the Wind-ward of a Point or Place.

The WEATHERING of a Hatch, among Falconers, is the fetting her abroad to take the Air. See Haws, and Haws-

WEAVING, the Art or Act of working a Web of Cloth, Silk, Linen, or other Stuff, on a Loom, with a Shuttle. See 

WEAVING OF TRYSTERS, WEB, a fort of Tiffue, or Texture, form'd of Threads interwore with each other; fome whereof are extended in X y y y length,

WED

[ 358 ]

WEE

length, and called the Warp; and others drawn a-crois them, call'd the Woof. See Texture, Woor, Wars, &c.
Spider's-Wars, or Cal-Wars, is a very delicate and wonderful Tiffee, which that Infect fines out of its own Bowels;

ferving it as a fort of Toil, or Net to catch Flies, &c.

withd!

For the manner orbertin the Sylder from his Web; yet admirable Mechanism of the Venta Judicenter, and the state of the state of the Sylder from the Sylder from the Sylder from the Sylder from the Sylder of the Sylder o this Discovery, he made the like Obtervation in near thirty different fors of Spiders; and found the Air fill'd with young and old, failing on their Threads, and doubties feizing Gnast and other Infects in their patage; there being of ten, manifelt Signs of Shughter, Legs and Wings of Flies, 56c on thoir Threads, as well as in their Web's below.

Dr. Haife discovered the fame thing about the fame time.

Dr. Huffe diffeower'd the fame thing about the fame time.
In a Letter of Dr. Liffer to Mr. Rey, be thinks there is
a fair Hint of the darring of Spiden in Ariety, the Timbs there
is fair Hint of the darring of Spiden in Ariety, the Timbs
the Lifting, the Anxiety are the Lifting, the Anxiety are
their falling, the Anxiety are the Lifting, the Lifting, the Anxiety are
the falling, the Anxiety are to the Anxiety are
the falling, the Anxiety are the Lifting the Lifting
to the Lifting Timbs are as a preto the year.
The Anxiety of the Higher Spiden ser as par to the year,
the Spiden are the Anxiety are a spiden and the Lifting
the Spiden are the Anxiety are a spiden as the Lifting
the Anxiety of the Anxiety of the Anxiety of the Anxiety of the Anxiety
the Anxiety of the Anxiety o "the highest Steeple on the Minster, [in Tork] and could there differn cm yet exceeding high above me."

WEDGE, Coneus, in Mochanicks, the last of the five Powers or fimple Machines. See MECHANICAL Power. The Wodge is a triangular Prifm, whose Bases are equi-teral acute-angled Triangles. See Paism.

lateral acute-angled Triangles. See Paism.

Authors are divided about the Principle whence the Wedge derives its Power .- Ariftotle confiders it as two Levers of the first kind, inclined toward each other, and acting oppo-fite ways.—Guido Ubaldus, Mersennus, &c. will have 'em Levers of the second kind,—But Fr. de Lanis shows, it can-

Others refer the Wedge to the inclined Plane.—Others, again, with de Stair, deny the Wedge to have fearer any Force at all 5 and affeibe much the greatest Part to the Mallet that drives it.

But the latest Authors agree to refer the Effect of the Wedge to the Cochies, or Screw. See Scnew. Its Decktine is contain'd in this Proposition.—If a lower be applied to a Wedge, in such manner as that the

Its Doctrine is contained in this freepoliton.—If a Power be applied to a Wedge, in fishe manner at that the Line of Direction CD, (Tab. Mechanicks, Fig. 5.) perpendicular to AB, is to the Refifiance to be overcome, at AB to CD; the Power will be equal to the Refifiance to Cr thus: If the Power directly applied to the Head of the

Wedge, be to the Resistance to be overcome by the Wedge, as the Tinckness of the Wedge is to its Height; then the Power will be equivalent to its Resistance; and if increaswill overcome it.

For the Firmnels whereby the Parts of the Obfacle, fi

Impediment, will be equal the one to the other; and confe-quently, the Power, being increased, will overcome the Re-

fiftance. 1°, As the Power equivalent to half the Refiftance, is to it as  $a^{ij}$  to Ab, that is, as the whole Sine to the Tangent of half the Angle of the Wedge,  $a^{ij}$ ,  $a^{ij}$ ,  $a^{ij}$ , as the Tangent of a left shapped its than that of a greater, the Power must have a greater Proportion to half the Refifther the Power must have a greater Proportion to half the Refif. ner fouer mutt have a greater Proportion to half the Refit ance if the Angle be greater, than if lefa.—Confequently, the seater the Wedge is, the more does it increase the Power. To the Wedge may be referf all Edge-Tools, and latten-ments which have a linary floint, in order to cat, cleave, flit, chop, pierce, boxe, or the like 3 as Keiver, Hatebers, Swords, Backlint, &c.

WEDLOCK. Sec MARRIAGE, WIFE, HUSBAND, &C.

WEDNESDAY. See Month, Day, &c. Alb-Wednesday. WEED, a common Name for all rank and wild Herbs. that grow of themfolves, to the Detriment of other useful Herbs they grow among. See Plany, Hers, Sc. Fuller's Weed. See Thistle, or Trable.

WEER, in the Miners Language, is the Degeneracy of a
and or Vein of fine Metal, into an ufole's Marcafire. See

VEIN, MINE, METAL, MARCASITE, Sc.

VEIN, MINN, METAL, MARCASITE, ESC. WEIN, are also a poculiar Habit, wore by the Relicts of Persons deceased, by way of Mourning. See Mourning. WEEK, Septiment, Hebbomada, in Chronology, a Division of Time, comprising seven Days. See Time, and

The Origin of this Division of Weeks, or of computing Time by Sevenths, is greatly controverted.—Some will have it to take its rife from the four Quarters or Intervals of the Moon, between her Change of Phates, which being about feven Days diffant, gave occasion to the Division. See Moon, QUARTER, &c.

Be this as it will, the Division is certainly very antient. De uns so it will, the Livines is certainly very antient.— The Syrienze, Egyptienz, and moil of the Oriental Nations, appear to have used it from all Antiquity: the it did not ger Feoding in the Welft, till Chriffizative brought it in: The Remeat reckening their Days, not by Sevenths, but by Ninths; and the antient Greek by Decads, or Tenths.

Ninths; and the antient Greek by Decads, or Tonths. Indeed, the Years divided their Time by Weeks, but it was upon a different Principle from the order Eastern Nations. God himfelf having appointed 'em to work fix Days, and to reft the Seventh ; in order to keep up the Sendo and Remembrance of the Creation, which being effected in fix Days, he refled the feventh. See SABBATH

In Mays, he relied the Eventh. See Sabarii.

Some Authors will even have the use of Weeks among
the other Eathern Nations, to have proceeded from the

Sews; but with little Appearance of Probability.—Tis
with better Reason that others suppose the Use of Weeks
among the Heathern of the East, to be a Remain of the

National Constant of the Control of Tradition of the Creation, which they had ftill retain'd

with divers others with divers offices.

This is the Opinion of Grotius, De Veritas. Relig.

Christ. Lib. I. who likewise proves, that not only thro-

Civif. 1.1b.l. who likewise proves, that not only throton the East, but even smoog the Grock, Entainer, Caix, out the East, but even success the Grock, Patient, Caix, divided inno Work; and that the ferenth Day was in carmodinary Venezine—This appears from Fofch, acts. Appears II. Philis de Creatione, Ginn. Bineaud. Stream, Appears II. Philis de Creatione, Ginn. Bineaud. Stream, T. Lib. III. e. app. 3, 20 sine. 18b. XXXVIII. 17billing, Lucian, Homer, Gallimachus, Sectemius, Heroderus, Sec. who montion the Californa as very sention, lapped it to have been montion the Californa as very sention, lapped it to have been

mention the Cuttom as very annen; suppose it to instruction derived from the Egyptiens.

The Days of the Week were denominated by the Fews from the Order of their Succession from the Subbath.—Thus, the Day next after the Subbath they called the first of the Subbath, the next the fecuse of the Subbath, and the Subbath, the next the fecuse of the Subbath, and to of the reft; except the fixth, which they call'd Parafeeve or Preparation of the Sabbath. See PARASCEVE.

The like Method is flill kept up by the Christian Arabs, Persians, Ethiopians, &c.—The antient Heathens denomi-nated the Days of the Week from the seven Planets; which Names are still generally retain'd among the Christians of the West.—Thus, the first Day was call'd Sun-day, Dies Solis;

Well.—Thus, the fift Day was call'd Nam-day, Dirts Solis, the focus of More Joy. Date Lane, &c. a. Perkitte the more names on Jose's Vincepie, who fays, The Egyptians rook. In effect, the true Reafford of the Chemmission in Gaussie in Africago,—For the Athesiognet, dilthering the same part of the Solis So

# Post SIM SUM Sequitur, pallida Luna subest.

Wherein, the Capital Letters, SIM SUM and L, are the initial Letters of the Planets.—Thus, the Order of the Planets in the Week, has little Relation to the Order in which they follow in the Heaven: The former being founded on an imaginary Power each Planet has in its rum on the first Hour of each Day. See Planet, Hour, House, Ascen-DENT, HOROSCOPE, &c.

Dion. Caffins gives another Reason of the Denomination Most Geffers gives another Reason of the Denomination, feeth'd from the celeftial Harmony—For it being observed that the Harmony of the Disterliston, which consists in the Ratio of 4 to 3, is of great force and effects in Musick; it was judg'd meet to preceed directly from Satura to the Satura because there are not there Planes between Satura and the Satura bed four from the Satura to the Most. See Diatesearch, HARMONY of the Spheres, &c.

To find the Accomplishment of Daniel's Prophety of the Mediah, the Deftrestion, Rebuilding, &c. of the Temple, C.IX. v. 14, &c. the Criticle generally agree to molectiand Weeks of Tears, instead of Weeks of Days. See Pro-

thand Wesk of Year, instead of Weeks of Doys. See Pao-rence, Yan, Se.
Palfine Warn, or the Heby Warn, is the Ind Week in Low, wherein the Univer electrones the Myllery of our Sea.
It is foncetimes also called the great Pieck.
It is foncetimes also called the great Pieck.
It is financiated in the Control of the Control of Pieck.
It is financiated in the Control of Pieck.
It is financiated to the Control of Pieck of Pieck.
It is financiated to the Control of Pieck 
Emperors themselves.

Emperors themfelves.

Werk, or Wires, of a Canade, &c. the Corron Match
in Clonde, or Lamp. See Campin, Liany, &c.

WEFT, a kind of Web, or Thing overn in a Wift or
Trefs of Hair. See Wis, Harn, Train, &c.

WEIGH, Wes, Wilker, N. Weight of Checht, Wed, &c.

WEIGH, Wes, Wilker, N. Weight of Checht, Wed, &c.

WEIGH, Wes, Wilker, N. Weight of Checht, Wed, &c.

WEIGH, Wes, Wilker, N. Weight of Checht, Wed, &c.

WEIGH, Wes, Wilker, N. Weight of Checht, Wed, &c.

WEIGH, Wes, Wilker, N. Weight, &c.

WEIGH, West, Wilker, Weight, &c.

WEIGH, West, Weight, &c.

Weight, &c. Weight, &c.

Weight, &c. Weight, &c.

containing 350 rounts Averdupois — of Coro, the Weeds contains 40 Buffiels 3 of Barley or Malt, fix Quarters. In fome Places, the Weigh of Oberje's 300 Founds. See Maxavus, Et decimans eafit flit de Herting, frater none prifam que pertine ad Ecclésians de A Mon. Angl. where peifa feems to be ufed for a Weigh.

Coke mentions eighty Weigh's of Bay-Salt. See WAGA.
WEIGHER, an Officer in divers Cities, appointed to
reeigh the Commodities bought or fold, in a publick Ba-

cc, &c.

Jance, Geringhers are generally oblig'd by Oath to do Juffice to both Parties; and to keep a Regifter of the Things they weigh.—In Antiferrate there are tweether Weighers effabilith'd into a kind of Office.
As it was formerly allow'd em to touch the Strings of the

As it was formerly snow d cm to touch the cornge or the Balance in weighing, it was easy for 'em to iavour either the Bayer or Seller, according as the one gave 'cm more Mooey than the other.—To prevent which Abufe, it was charged on 'em, by an Ordonnance of the Bourgaemsitters in 1119, not to touch the Balance in any manner whatever. in 1719, not to touch the Balance in any manner whatever.
WHIGHING, the Act of examining a Body in the Ba-lance, to find its wright. See Balance, and Whigh The The Diffillers in London weigh their Veffels when full;

The Diffillers in Lendon weigh their Veffels when ful; and for half a Monffread, while it is 3 t Gallons and an half, allow 200 one quarter and 11 Pounds for the Gith and Lidurace—for a Poundson, they allow 600 one quarter and two Pounds: For a Catary Fige 800 a half and 17 Pounds. Waintmen-Cheir, a Machine control by Santifarius, to determine the Quantity of Food taken as a Meal; and to

warn the Feeder when he had eat his Quantum,

That ingenious Author having observed, with many others, that a great part of our Disorders arise from the Excess in that a great part of our Dillorders arise from the excess in the Quality of our Foods, more than in the Quality thereof; as also how much a fix'd Portion, once well adjusted, would, if kept regularly, contribute to Health; berbinght himder of an Expedient to that purpose.—The Refait was the Weighing Char: which was a Chair fix'd at one Arm of a fort of Balance, wherein a Person being feated at meat, as foon as he had eat his Allowance, the increase of Weight made his Seat preponderate: So that defeending to the Ground, he left his Table, Victuals, and all out of reach. SCC PRESPIBATION.

WEIGHING of the Air. Sec WEIGHT of Air.

WEIGHING OF DAY ACT. SEE WEIGHT OF ALL.

WEIGHING Anchor, in the Sea Language, is the drawing up the Anchor out of the Ground it had been cast into 3 in order to set fail, or quit a Port, Road, or the like. See ANGHOR The Anchor is cwigb'd or recover'd, by means of the Cap-

See CAPSTAN. WEIGHT, Gravity, Pondut, in Phyticks, a Quality in Natural Bodies, whereby they tend downwards, towards

Natural Bodiet, whereby they tend downwards, towards the Centre of the Earth, See Boon, Daseany, Earth, Eds. Or, Wright may be defined, in a lefs limited manner, be a Power inhereou in all Bodies, whereby they tend to fome common Point, call d the Centre of Wright, or Gravity, and that with a greater or left Welchty, as they are more or lefs draft, or as the Medium they fall thro' is more or lefs area, See Charris, Dissayrist, Eds.

icis pare. See Chintas, Dassity, 56.
In the common Ule of Language, Weight and Gravity
are confidered as one and the fame thing.—Some Authors,
however, make a difference between 'em'; and hold Grauty only to experie a Nifits, or endeavour to defeend; but
Weight an actual Defeent.

But there is room for a better Diffinction.-In effect, one may conceive Gravity to be the Quality, as inherent in the Body; and Woght the fame Quality exerting it felf, either against an Obstacle, or otherwise. See Quality, &c.

Heoce Weight may be diffinguish'd, like Gravity, into Abshire, and Specific. See Gravity.

Six J. Newson demonstrates, that the Weights of all Bodies, at equal diffances from the Centre of the Earth, are proportionable to the Quantity of Matter each contains— Whence it follows, that the Weights of Bodies have not whence it follows, that the Wegges or Books have not any dependance on their Forms, or Textures; and that all Spaces are not equally full of Matter. See Vacuum. Hence slid it follows, that the Weggs of the fame Body is different, on the Surface of different Parts of the Earth;

by reason its Figure is not a Sphere, but a Spheroid. See STHEROID.

Spensord.

The Law of this Difference, the fame Author gives in the following Theorem.— The Increase of Weight, as you be proceed from the Equaton to the Poles, is, nearly, as you be Verfed Sine of double the Latitude; or, which amounts the contract of the right Sine of the Latitude. to the fame, As the Square of the right Sine of the La-

Therefore, fince the Latitude of Paris is 48° 50', that of a Place under the Equator 60' 60'; and that of a Place under the Flop 90' 60'; and the Verfeld lises of the double Latitudes are 1173,40,0000 and a0000, the Radius being 10000; and the Weight at the Pole is to the Weight at the Fourtry as 300 to 200 and the Excels of Worker at the Folic to that at the Equator, as 1 to 200; The Excels of Cravity in the Latitude of Paris, to that under the Equator, will be as 1 x 200; to 200, or 1667 to 220,000; and therefore, the whole Weights in those Paices, will be to each therefore, the whole Weights in those Paices, will be to each

other as \$293667 to 2290000.

Hence, also, as the Lengths of Pendalums that perform their Vibrations in equal Times, are as their Weights; and the Length of a Pendulum which in the Latitude of Paris vibrates Seconds, is three Parts Feet and eight Lines: The Length of a Pendulum that vibrates Seconds under the E-Length of a Fendulum that whrates Seconds under the E-quator, will be fibror of a Synchronous Fendulum at Partit, by one Line and an Sycooth Part of a Line. Phil. Nat. Princ. Math. Lib. III. p., 82s. 56c. See Pastourum. A Body immergd in a Fluid specifically lighter than it self, lofes to much of its Wright, as in equal to the Wright of a Quantity of the Fluid of the fame Bulk with it left.

See FLUID.

See Feurn.

Hence, a Body lofes more of its Weight in a heavier than
in a lighter Fluid; and therefore weighs more in a lighter
than a heavier Fluid. See Streture Greevity.
To find the Weight of any Manusiry of a Fluid, s. g. of
the Wine containd in a Hogfhead.—Find the Bulk or
Quantity of the Liquer by the Rules of Gauging. See

CANGIN

Sufpend a cubick Inch of Lead therein by a Horfe-hair a and by a Balance note the Weight loft.—This will be the Weight of a cubic Inch of the Fluid.

Wherefore, fince in a homogeneous Fluid the Weight is proportionable to the Bulk 1 the Weight of the Fluid will be tought by the Rule of Ture.—Thus, if the Capacity of the Hughtead be 88 cubic Feet, and the cubic Feet of Wine 88 Pounds 1 the whole Weight of the Wine will be 88: 68:

rounds the whole weight of the Wise will be 88:68:

The Weight of a cubic Foot of Water, has been determined by leveral; but as in different Springs, E.c. the Weight of the Water is different, and there is even a different for the Water of the Water is different, and there is even a different with the water of the W Weight of the Water is different, and there is even a diffe-rence in the fame Water at different times; 'its no wonder the Observations of the several Authors should be found ve-ry different.—Sir Sam. Morland, by repeated Experiments, sound a cubic linch of Water to weigh 70 Founds 2 Ounces. See WATER.

SEC WATER.

WEIGHT, Pondut, in Mechanicks, is any thing to be raisd, fuftaind, or mor'd by a Machine; or any thing that in any masner refifts the Motion to be produced. See Motion, 126. In all Machines, there is a natural Ratio between the

move the Body I H out of its horizontal situation.

Concrive a Weight hung in the Centre of Gravity F, equal to the Weight of the whole Body I H, and find the common Centre of Gravity M, of that and the given Weight of the Foint M be laid on the horizontal Plane; the Weight

Table, does not fall.

The Centre of Gravity C, (Fig. 56.) of a Body A B, to gether with its Weight G, being given; to determine the Points L and M, wherein Props M, N, are to be placed, that "Powert L and M, welverin Propi M, N, ore to be placed, the stack map hear any given Projection of the Weight, each map hear any given Projection of the Weight, and the stack map hear a proper of Gravity C, affirme the right Lines M C and C L in the given Katton—Propi, then, M, N, Placed in their Deiter, will be prefel in the given Katton. The propint of the properties of the properties of the stack of the properties of the bender, or Arms of Percent, Ger. They will be also to bear the Barden alike; if it their States the proportion of their Strengther—Thus we have a way of diffinitioning a thories Graveghar—Thus we have a way of diffinitioning a fine of their Strengther—Thus we have a way of diffinitioning the strength of their Strengther—Thus we have a way of diffinitioning the strength of their Strengther—Thus we have a way of diffinitioning the strength of the s

den in any given Ratio.

WEIGHT, in Commerce, &c. is a Body of a known Weight, appointed to be pat in the Balance against other Bodies, whose Weight is required. See WEIGHING, BALANCE, &c. These Weights are usually of Lead, Iron, or Brass the other works are to the Eafl-Indies they are common Finas,

and tivers Parts of the Esth-Indiest by are common Finits, and in forme Places a fort of little Beams.

The Security of Commerce depending, in good measure, on the Julinela of these Weights; there is searce any Nation but has taken proper Measures to prevent the Fallification thereof.—The larest Means are the shamping, or

to the standard proper of the control of protect in a standard protect of the control of the con

an a urvernty of Wegger, makes one of the most perfect-ing Articles in Commerce plan it is increased like. The redu-cing the Heggers of different Nations to one, if one case to the Nation: Witness the Nation was to the Nation of Nation and Nation witness the Nation was not one of the Nation was to the Nation witness the Nation was not one of the Nation

Foreign, and Domestic.

Modern WRIGHTS.

Weights used in the several Parts of Europe and the Levant

-By the XXVIIth Chapter of English WEIGHTS.

Englis Westers — State XXVIIIA Chapter of Magon Clurars, the Highest new to the form did now Magon Clurars, the Highest new to the the form of the Commodities there are two different force, the "They Wirely, and whether Michael Mighest Commodities there are two different forces and the Commodities of the Commodities

See AVERDUPOIS.

Table of Troy Weight, as used by the Goldsmiths, So. Apothecaries Apothecaries.

Grains,



Grains

| 20   | Scrug | le.  |           |
|------|-------|------|-----------|
| 60   | 3     | Drac | hm.       |
| 480  | 2.4   | 8    | Ounce.    |
| 5700 | 188   | 96   | 12 Pound, |

Table of Averdupois Weights Scruple.

| 3      | Drachn | n,     |        |                      |
|--------|--------|--------|--------|----------------------|
| 14     | 8      | Ounce. |        |                      |
| 384    | 118    | 16     | Pound. |                      |
| 43008  | 14336  | 1792   | 112    | Quintal, or Hundred. |
| 860160 | 186720 | 35840  | 2240   | 10 Tun.              |

The Moneyers, Jewellers, &c. have a particular Class of Weights for Gold and Precious Stones, via. Caraff, Penny-weight, and Grain; and for Silver the Penny-weight and Grain. See Caraft, ice also Gold, and Stater. The Moneyers have also a peculiar Subdivision of the Grain Troy: Thus 3

The Proportion of thefe, fee under the Article Wood

French WEIGHTS.—Their common or Paris Paund, is 16 Denotes; which they divide two ways: The first Dividing is not now Marse, the Mare into eight Owners; the Ounce into eight Gree; the Gros into three Penny-nerghis; the Penny weight into 24 Grains; the Grain equivalent to a Grain of Wheat.—The fecond Division of the Pound, is a Grain of Wostar—The tectord Division of the Found, is into two Half-peams; the Half-pound into two Questers; the Chalf-pound into two Questers; the Half-quarter into two Half-quarter into two Omers; and the Onnee into two Half-pounder.

The Weights of the first Division are used to weigh Gold, Silver, and the richer Commodities 1 and the Weights of the fecond Division for Commodities 1 of the Weights of the fecond Division for Commodities 1 of the Weights of the fecond Division for Commodities 1 of the Weights of the fecond Division for Commodities of the Weights of the fecond Division for Commodities of the Weights of the fecond Division for Commodities of the Weights of the fecond Division for Commodities of the Weights of the

Grains.

|   | 24    | Penny-weight. |      |     |     |        |  |  |  |
|---|-------|---------------|------|-----|-----|--------|--|--|--|
|   | 72    | 3             | Gros |     |     |        |  |  |  |
|   | 576   | 2.4           | 8    | Oun | e.  |        |  |  |  |
|   | 1008  | 192           | 64   | 8   | Mat | c.     |  |  |  |
| i | 9216  | 384           | 118  | 16  | 2   | Pound. |  |  |  |
|   | Half. | ounce         |      |     |     |        |  |  |  |

|    | Ounc | c. |      |        |          |
|----|------|----|------|--------|----------|
| 4  | 2    |    | quar | t. Poi | und.     |
| 8  | 4    | 2  | Qua  | ter P  | ound,    |
| 16 | 8    | 4  | 1    | Hali   | F Pound. |
| 35 | 16   | 8  | 4    | :      | Pound.   |

Biscottool Bool Levol Bool Levol Quintal.

But the Found in on the fame throughout Fronce.—At
Lyons, e.g., the City Found is only 14 Quinces: So that 100

Gyown Found make coity 80 Paril Found.—But Media the
15 Quinces.—At Tokindin, and throughout the Ulper Linggrades, the Found is 11 Quinces and 4 Quintil Right15 Quinces.—At Tokindin, and throughout the Ulper Linggrades, the Found is 11 Quinces and 4 Quintil RightParil Found and Mark, they have the Winty of the Founds,
which is 10 Quinces and 5 and 5, to the Varil Rough of

Paril Found and Mark, they have the Winty of the Founds,
which is 10 Quinces and 5 and 5, to the Varil Round.

The Grades of Paril Right-—At Rouen, heide the common

Paril Found and Mark, they have the Winty of the Founds,
which is 10 Quinces and 5 and 5, to the Varil Round.

E. State of Paril Right
Grades of Paril Right
Country of Paril Right
Cound of Paril Right
Country of Paril Right
Right and Fromb Veryolds, and the found that are slid chind

Right and Fromb Veryolds, and the Country of Paril Right

Right and Fromb Veryolds, or 5 of the country Quintil Right

Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right
Right and Paril Right and Paril Right and Paril Right and Paril Right and Paril Right and Paril Right and Paril Right and Paril Right and Paril Right and Paril Right and Paril Right and Paril Right and Paril Right and Paril Right and Paril Right and P

-The fame are in ufe in the Spanifb West-Indies.

Pertugal has in Anta, or Araba, consision 3: Libra Portugal has in Anta, or Araba, consision 3: Libra Pozada: In Fersitele, containing race Eliber Pozada: Inc. Retails, containing about as Tounds. And for Gold, in Retails, containing about as Tounds. And for Gold, in Containing the Araba Pozada: Petringueze Eigh India: International Containing the Araba Pozada: The Mayor, containing the Part of the Mighters, containing the Part of Annae.—Green Marchandines are weight due the Carbon Design Colle Régistre, for Faithers and Order Species: The Carston, or Osimal for Faithers and Order Species: The Carston, or Osimal Part of Parties and Order Species: The Carston, or Osimal Parties and Osimal Part Merchandises are weight of at the Cuttom-bootic Logic Progress, for Flathers and other Species: The Canters, or Quintal, for the coarfell Commodities: The Large Bilance, for raw Silks 3 and the Small Balance for the finer Commodities.

Sicily has its Rettede, 53 and a half Founds of Mellina.

Germany, Flathaert, Milands, the Litts Thomas, Sourden, Demmerk, Pelland, &C., have their Schippeadt, which at Marreer's half Homology is 200 Founds, at Lather's 2013 and 100 Marreer's half Homology is 200 Founds, at Cather's 2013 and 100 Marreer's half Lather 2013 and 100 Marreer'

Amteury who Intomoting it soo rounds, at Lukeck \$30, and at Contributing 400 Floor. In Secretar, the Schippends for Copper is \$20 Founds; and the Schippends for Frevilium 400 Floor. At Riggs and Revest, the Schippends is 400 Floor. At Riggs and Revest, the Schippends is 400 Floor. At Riggs and Revest, the Schippends is 400 Floor. At Riggs and Revest, the Schippends is 400 Floor. At Amplitude 300 containing 20 Life and it, each veriable 11.8 Burnds and 500 s containing 20 Life and it, each veriable 11.8 Burnds and 500 s containing 20 Life and it, each weighing 15 Pounds,

In Mulcovy, they weigh their large Commodities by the Berebered, or Berksewitt, containing 400 of their Pounds.—
They have also the Poet, or Pode, containing 40 Pounds, or

They have all 6 the Part, or Wale, 'containing as Doenda, et , of the Berderica, Or, Ke, they of the Berderica, Particular, Constituing the Copass, the Copus weighting, Double, S. English.—They have meleter Bermer, much left, confirming at the former of 6s. Copus, but the Copus weighting the market the Tarking Resembleric, April 2000, April 20 the Rotto is 600 Drachn

The other Ports of the Levant, not named here, use some of these Weights; particularly the Occo, or Ocqua, the Ro-

toli and Rette.

stal and Rette.

To fine with Proportion of these several Weights to one another, we shall add a Reduction of the divers Pounds used throughout Europe, by which the other Weights are estimated, to one Standard Pound, evis. the Pound of American Press, and Bourdeaus 2 as calculated with great Accuracy by Monsieur Reiseral, and publish di in the new Edition of his excellent Virtue de Commerce, in 1723.

# Alphabetical Table of the Properties of the Weights of the abief Cities in Europe, to these of Amsterdam.

An hundred Pounds of Amsflerdam, are equal to 108 Pounds of Allicant. 1634, of Genese, Caflo-Weight. 1054, of Archanged, profit of Amboused, 1054, of Leiden. 1054, of Augusta. 1064, of Leiden. 1054, of Leiden. 1054, of Leiden. 105 l. of Argeon.
120 l. of Aviguon.
98 l. of Bafil in Switzerland.
100 l. of Bayonne in France.
166 l. of Bergamo. 1051. and i of Liege. 1141. of Lifte. 1161. of Lyons, City-Weight. 1061. and i of Lisbon. 1431. of Leghorn. 97 l. of Berg ap Sona 95 l. of Bergen in Norway. 109 l. of London, Averdupois-95 L. of Bergen in Norwa-111. l. of Bergen in Norwa-100. l. of Befaveou. 105. l. of Bois le duc. 151. l. of Bois le duc. 151. l. of Bois le duc. 151. l. of Boulogne. 105. l. of Bremen. 105. l. of Bremen. 155. l. of Bremen. 155. l. of Breget. 105. l. of Breget. 105. l. of Cadie. 105. l. of Cadie. Weight. Weight, 105 l. of Lovaine, 105 l. of Lubec, 144 l. of Luces, Light-Weight, 114 l. of Madrid, 105 l. of Malines, 113 L and of Marfeilles. 154 Lof Meffina, Light Weight. 168 l. of Milan. 125 Bercheroets of Mufcovy. 100 l. of Nantes. 105 l. of Cologne. 106 l. of Nancy. 107 h and of Copenhages 981. of Nuremberg. 87 Rottes of Constantinople. 100 l. of Pari 113 l. and t of Dantzic.

100.1 of Dort.
91. of Dobbin.
101. of Robbin.
101. of Edwards.
114.1 of Florence.
110. of Robbin.

An hundred Pounds of Amsterdam is equal to 1181. of Tooloufe and Upter 106 l. of Seville. 114 l. of Swirns. 110 l. of Stetin. Languedic. 81 f. of Stockholm.

1581. and of Valencia. 182 1. of Venice, Small Weight.

WEIGHTS ufed in the feveral Parts of the East-Indies, China, Perfia, &c.

The Climate Waterrys, are—The Frie for large Commodities y it is divided into 100 Gatis, or Cartis, the foun fay of the Cartis, the foun fay of the Cartis, the foundation to the Cartis of the Cartis or Barre, containing 300 Caris. Thoquin has all the fame Worghts, Meafures, &c. as China.

Thoughth has an true tame progress, act are given. Japan has only one Weight, own the Carlit; which, however, is different from that of China, as containing an Tacls.—At Sarrat, Agen, and throughout the States of the Great Megal, they afe the Man, or Mem, whereof they have two Kinds; the King's Men, or King's Height, and the Man fimply. The find their for the weighing of common Province consideration. nings; 1 for are used for the weighing of common from the forest, containing 40 Seri, or Serrie; and each Ser a just Paris Found.—The Towerser will have the Ser near a Series and the Paris Found.—The common Man, used in the weighing of Merchanduc, confits likewife of the Series and the Series of the Series Series of the Series Series of the Series Series Series Series of the Series Se Ounces, or tof the other Ser.

The Man may be look'd on as the common Weight of the The Man may be look'd on as the common Weight of the East ladies, the under sime difference of Name, or rather of Pronunciation; it being call'd Mao at Lambeys, and in other Places Mrin.—The Ser is properly the Ledius Pound, and of university die: The like may be fail of the Easter, Vacility and Catti abovementioned.

Tact, and Catts abovementions.

The Weegless of Steam, are the Pie, containing a Schoter or Catti; but the Steamoff Cati is only half the Technology, the latter containing to Tacks and the former only to The Steamoff Cati only to Tack, and the Steamoff Steamoff Cati only to Tack, and the Steamoff Steamoff Steamoff Cati only to Tack, and the Steamoff Steamoff Cati only to Tack, and the Steamoff Steamoff Cati only to Tack, and the Steamoff Steamoff Steamoff Cati only to Tack, and the Steamoff Steamoff Catil only to Tack, and the Steamoff Steamoff Catil only to Tack, and the Steamoff Steamoff Catil only to Tack, and the Steamoff Catil make the Chingle Cati only to I Justs, and the Standip Standip Standing at Basti or Ticasi; each shout a Paris The Valed contains 4 Basti or Vicasi; each shout a Paris Ounce: The Bast 4, Sellings, or Mayous: The Meyou 2 Founges; The Reange 3 Payes; The Pages 2 Clams: The Sampays, half a Founny, it is to be observed, that these are the Names of their Caims, as well as Wingles; solliver and Gold being, there, or which we will be supported by the Sellings, by their Wingles. See

Caris, Gr.
In the life of Mens, and particularly at Beaters, they ofe
the Greats, which amounts to near; Direct Founds.

The Beaters, which amounts to near; Direct Founds.

The Beaters of the Beaters o Val, for Piastres and Ducate; containing the 73d Part of a

Red.

In Perific, they wie voo Kinds of Barmens or Many 3, the one called Gab's or Givery, which is the Kingly Neight, and be where Barmens of Tarmis, from the Sames of one and the whole Barmens of Tarmis, from the Same of one of Tarmis or Tarmis which is half the Derhem ; the Dawg, which is the 6th Part of the Melchal; being equivalent to 6 Cerat-Grains; and laftly the Grain, which is the 4th Part of the Dang—They have also the Fakir, which exceeds, a little, our Ounce. The Sabe-berry, equal to the 1176th Part of the Derhem. And the Towner, asked to weigh our large Paymens of Money, which we will be the Derhem. without relling : its Weight is that of 50 Abaffis. See Toman.

#### African and American Weights.

We have little to fay as to the Weights of America: The feveral European Colonies there, making use of the Weights of the States or Kingdoms of Europe they belong to. For as to the Arone of Pern, which weights 17 bounds, it evidently so other than the Spanish Aroba, with a little difference. rence in the Name As to the Weights of Africa ; there are few Places have

As to the Progess of Africa; there are two Fines have any, except Egypt and the Coasts of Africa, whole Verghts are chamerated among those of the Forts of the Levent, &c. As to the Coasts beyond Cage Verde, xie, Guinea, Conyo, to Soffels, Molambica, &c. they have no Verghts; only the

The Isle of Madagafear, indeed, has its particular Weight; but it has none that exceed the Drachm, nor are they ne'd for any thing bat Gold and Silver.—Other Commedities they never weigh. ne English, French, Dutch, Portugueze and Danes, have stroduc'd their own Weights in their respective Settleintroduc'd ments.

#### Antient WEIGHTS.

Jewith WEIGHTS reduc'd to English Troy Weights.

| Shekel     |      | <br> |           |    | Pwt.   | gr.<br>02 \$ |
|------------|------|------|-----------|----|--------|--------------|
| 100 Manch  |      |      | <br>03:   | 09 | 1 10   | : 175        |
| 5000 50 Ta | lent | <br> | <br>180 : | 08 | : 15 : | 17 %         |

Note, In reckening Money, 60 Shekels made a Maneh, but in weight 100 Shekels.

Grecian and Roman WEIGHTS reduced to English Troy Weight.

| Lent | DS.   | _    | _     |           |      | -      |      | _    |       |   | _ |   | — | <i>I.</i> | 00 | . 1 | kur. | gr<br>: 00 | *:           |        | e Subdivifie<br>he Roman |       |
|------|-------|------|-------|-----------|------|--------|------|------|-------|---|---|---|---|-----------|----|-----|------|------------|--------------|--------|--------------------------|-------|
| 4    | Siliq | aac  |       | _         |      |        | _    | -    |       | - | - |   |   | -0:       | 00 | :   | 00 : | 03         | ĺγ           | 1 2    | Libra, or Pe             | ound. |
| 11   | 3     | Obol | us    | -         | _    |        | -    | _    |       | - | _ |   |   | 0:        | 00 | :   | 00 : | 09         | 100          | 1      |                          | e, or |
| 24   | 6     | 2    | Scrip | talum     |      | _      |      | -    |       |   |   | - | - | 0:        | 00 | :   | 00 : | 18         | 14           | x A    | s, Libra, &              | вc.   |
| 7.2  | 18    | 6    | 3     | Drac      | bma  |        | -    |      | -     | _ |   | - |   | 0 :       | 00 | :   | 02 : | 06         | ř.           |        | Deunx<br>Dextans         | 11    |
| 96   | 24    | 8    | 4     | $I_T^{t}$ | Sext |        |      |      | -     | - | _ |   |   | 0:        | 00 | : 0 | 3 :  | 00         | 7            | 1 2    | Dodrans<br>Bes           | 9     |
| 144  | 36    | 12   | 6     | 1         | 17   | Sicili | cus  |      |       |   |   | - | _ | 0 1       | 00 | : 0 | 24 : | 13         | *            | 1 7. 8 | Septunx<br>Semis         | 7     |
| 192  | 48    | 16   | 8     | 2,7       | ı    | 1,     | Ducl | ia   | -     | - |   | _ | _ | ٥;        | 00 | : 0 | 6 2  | 01         | 7            | 11-0   | Quincunx<br>Prions       | 5     |
| 576  | 144   | 48   | 24    | 8         | 6    | 4      | 3    | Unci | ia    |   | — |   |   | 0:        | 00 | : 1 | 8 :  | 05         | ÷            | 1 2 0  | Quadrans<br>Sextans      | 3     |
| 6912 | 1728  | 576  | 288   | 96        | 72   | 48     | 36   | I 2  | Libra | 1 | - | _ | _ | 0:        | 10 | : 1 | 8 :  | 13         | <del>-</del> |        | Uncia                    | ī     |

The Renne Omer's the English Avendarsich Coase, which they divided into "Directions will as Somethin san direction sand in the April Direction and the the After Direction, this will make the After Weights heavier than the correspondent Rennes Weights, New, The Correlated Weights in the Clear in Aberra. Some, as Sixterious and Sixterious London and Article the Oblation into 6 Chalit, and every Chataza into 3 reven. Others divided the Oblatic into 8 views of Aliments.

WEIGHT of Air, is equal to the Elafficity thereof. See Airs, and Elasticity.

To find the Weight of a Cubic Inch of Air.—Weigh a round glafs Veffel fall of common Air, very securately: exhault the Air out of it; weigh the exhaulted Veffel, and lubrack the latter Weight from the former; the Remainder

is the Weight of the Air exhaufted Find, then, the Content of the Veffel by the Laws of Mea-

Find, then, the Content of the Veffet by the Laws of Mensing, (Go Strangs 1) and the Ratton of the remaining Air aring, (Go Strangs 1) and the Ratton of the remaining Air and the Ratton of the remaining Air is found by the Ratton of Their which being further departing of the Veffet, the Remainder will be the Balk of Airestand of the Ratton of the Veffet, the Ratton of the Ratton of the Veffet and Air is got out, the remaining Air will be for fault, that it may be they neglected and the Content of the Veffet in them for the Bulk or the case and the Content of the Veffet in the for the Bulk or the Content of the Veffet in the Ratton of the Ratton of the Veffet in the Ratton of the Ratton of the Ratton of the Veffet in the Ratton of the

haufted Air. Having, therefore, the Weght and Bulk of the whole ex-haufted Air, the Weight of one Cubic Inch is easily had by the Rule of Three.

This Method was first used by Osto Gueric, and afterwards This Method was first unfol by Otto Garrie, and afterwards by Starletten of Police; who gives un the following Particulars in his Experiment—", That the Weight of the Claim Faculty of the Claim Facu

is the Bregger of a Cubic Foot of Aut, viv., 1 Ounce, 27 Or. or 507 Grids. See Airs.

The Weight of Sea Water is different in different Climates. Mr. Bright basing familih'd a learned Physician, going on a Voyage to America, with a Hydroditatical Balance, and recommended him to obleve, from time to the control of the Computer of the time, the difference of Weight he might meet withal; this Account was return'd him: That the Sea Water increas'd. in Weight the nearer he came to the Line, till he arrived at

a certain degree of Latitude, as he remembers, about the 30th; beyond which, it retain'd the same specific Wessbs, till

WELDING Heat, a degree of Heat which Smiths give

their Iron in the Forge, when there is occasion to double up the Iron, and to coold a Work in the Doublings, is that the Iron shall grow into a Lump thick enough for the Purpose. See Inon, Fonging, Sc.

It is also used when two Bars of Iron are to be joined to-

gether at the Ends, to make a Length. See Heat.

WELL, a Hole dug under Ground, below the Level or
Surface of the Water collected in the Strata. See STRATA, and WAYER.

Surface of the Water collected in the Stream. See Stream's collected lines, will'd with Steam, and lined with Menta. See Stranon.

and lined with Menta. See Stranon.

All the Stream's collected lines, will'd with Steam, and lined with Menta. See Stranon.

It is usually so is considered by the stream's collected lines, which is compared with the Menta of the Mountain of Stranon of Health and the Mountain of Stranon to Hill the Mountain of Stranon to Hill the Mountain of Stranon of Health and the Mountain of Stranon to Hill the Mountain of Stranon to Health and the Mountain of Health and Health a

FRESH Water, &c. Farss Water, &c.
In the Diocele of Paderborn in Weltphalia, is a Woll
which loke it felf twice in 24 Hours; returning always, after fix Hours ablence, with great Noile, and is forcibly as
to drive three Mills not far off. The Inhabitants call it the
Zolderborn, q. d. the boilterous Spring—LayWell near

Torbay, chhs and flows very often every Hour; the fome-what oftener in Winter than Summer. Dr. Oliver observes, its Flux and Reflux fometimes return every Minute, the fometimes not above 26 or 20 times an Hour. Philopph.

Well-Water is not fo wholeforn or good for most Uses, as River Water. Sec WATER,

They are all, usually, of the like Colour with the rest of The Body's begin from very little, and grow gradually. They are not dangerous, but frequently last a long while. Semetimes they degenerate into Abbeeffes.

The Cure is, to cut off the Cytlis by the Root, which is

always narrow.

In the Philosophical Transactions, we have an Account of a very extraordinary Wen, on the lower Jaw of one Alex.

Palmer of Keith in Sections—It was 27 Years a-growing:

- Palmer of Keith in Sections—It was 27 Years a-growing: "Fallmer of Keito in Josephane.—It was 2.7 Keits a-growing at length, its commons Buik, and the Pain it gave him, positive with its emaciating him exceedingly, determined him to have it can off. Dr. Bowers affares up, its Baffs was five Inches over, which should form noolarge for the whole Face, and that will Blood and all, it weight do nor two and two. Founds. Its form was Spheroidal; and when meafur'd, was \$4 Inches about, one way, and 28 another. It feem'd to be an Atheroma; being a glandulous Suhfhance, with feveral an Alberoms: being a glandulous Subflance, with feveral big Blood-Verfiels in it; and Hair growing on it. It was as fensible as any other Farr.—The Homornage, after cutting it off, was topd by the Virtiolic Pouder, and the ordinary Drefting being used, a Cure was completed in fix Weeks

WERE, or WERRE, in our old Law-Books, fignifies as much as was antiently paid for killing a Man. When such Grimes were punish'd with pecuniary Mulcts, not Death s

much as was antently paid for killing a Man. When face Grimes were pairfulled with potentiary Multis, nor Death a Godfines acre painty Multis, nor Death a Condition and Quality.—Were finue, it eld, Fertinal face with Readon, Sec. Reason. With Readon, Sec. Reason. WIRELEADA, from the Syson Wire and Lessen, to which the was width was to be paid to bit Relations. For in the Time of the Savonr, the killing a Man was not pa-niftle by Death, but by a pocunity Multis, call Wirel. Sec. Sec. Readon Man and the sec. which have were but by a poculary Multis, call Wirel. Sec.

WERGILD, WERGILD, in our antient Cufforms, pre-tium feu Valor bominis cecifi, bomicidii pretium; which was paid party to the King for the Loss of his Subject, partly to the Lord whole Vaffal he was, and partly to the next of kin,—Quedom Crimina sumedaris non poffins; and and Markoph, Bernet Schembel for Execution of the next of No. — Questinn Orimine numerier im Affants and past Hubberth. Bernen, G. Quenche, G. Everenned, E. Lausedin, S. tingfells pain Rediffe, wit for Monun Regist Lausedin, S. tingfells pain Rediffe, wit for Monun Regist Lausedin, S. tingfells pain Redifference of the Redifference of the Redifference of the Redifference of the Redifference, The Redifference of the Redifference, from Residue to the Redifference of the Redifference, from Residue to the Redifference of the Redifference, from Residue to the Redifference of 
have 18 Jurors on his Father's fide, and four on his Mother's:
If to 14 Pounds, he was to have fixty Jurots. And this
was called Werelads.—Homicidium Worn fatustur aut Were-

lada negatur.

WEST, Occident, Occofits, in Cofmography, one of the
Cardinal Points of the Horizon; dismetrically opposite to
the East. See Care or Nat Point, East, Se.
West is, firstly defined, the Interfection of the Prime Vertical with the Horizon, on that fide the Sun fets in. See Szr-

To draw a true West-Line. See Meridian. In Aftronomy, West is chiefly used for the Places in or to-In Aftercomy, Well is enserty sted for the Places in or to-wards which, the Sun or Stars fine wader the Herison.— Thus, we fay, the Sun, Mars, &c. are in the Well. The Point the Sun fets in, when in the Equator, is parti-cularly call'd the Epsimolital Well, or Point of true Well. See Equivocrity Mell and Wellern stee applied to certain in Geograph, Well and Wellern stee applied to certain countries, Gr., Structs towards the Point of Sun-Setting, with

respect to certain others.—Thus, the Empire of Rome, antiently, and of Germany, at present, are called the Empire of the West, or Western Empire; in opposition to that of Confinationsle, which is called the Empire of the East. See

The Latin or Roman Church, is called the Western Church; in opposition to the Greek Church.—The French, Spaniards, Italians, &c. are called Western Nations, in repeed to the Affatteks; and America the West-Indies, in respect of the East-Indies.

West-Wind, is also called Zephyrus, and Favonius. See

SRIN, EG WHALE, in Aftronomy, one of the Confiellations. Sec CETUS.

WHALE Bone, a Commodity got from the Whale, aicd as Stiffening in Stays, Fans, Busks, Skreens, Ec. There are two Kinds of Whale; the one retaining that Name, the other called Cachelor. Their Difference confilts in this, that the Cachalot has Teech, and the Whole, pre-perly for call'd, inflead of Teeth, has a kind of Whitkers in his Threat, about a Span hood and WHALE-Bone, a Commodity got from the Whale, used as

perly to called, initized or Tectin, has a kind of whitece in one and in the form of the period of the fines, much like Swines Brillier.

They are fit in the Palate, and do in foome measure the Office of Tecth.—Thefe Whiteken, fallst and fathioned, are what we call Whatehouse.—The Fixele or Gential Member of the Animal ferves likewife for the fame Purpote.

What the Conference of the Palate of Control Member of the Animal ferves likewife for the fame Purpote.

WHALF-Fifters. See Fishers. WHARF, a Space on the Banks of a Haven, Creek, or Hithe; provided for the convenient loading and unloading of

HALLAND A Specie of the contract of a state of which is provided by the Contract of the Contra

MILL, Sc. Its form is various, according to the Motions it is to have and the Use it is to answer.—By this it is diffinguished into Sample and Dented.

Simple Wheels, are those whose Circumserence and Axis is uniform, and which are used singly, and not combined.—
Such are Wheels of Carriages; which are to have a double Such as Powers of Carringes; which are to nave a double Muton: I woo circular, bout their Aski; the other rec-tilinear; by which they advance along the Road, 5% which two Motions they appear no have; tho, in-fift; they have but one: It being impossible the fame Thing thould move or be agitated two different ways at the fame time.

This one is a fipiral Motion; as is easily feen by fixing a piece of Chaik on the Face of a Wheel, to as it may draw a Line on a Wall, as the Wheel moves.—The Line it here

traces is a just Spiral, and still the more Curve as the Chalk is fix'd pearer the Axis. For a very nice Phenomenon in the Motion of these Wheels,

For a very line transcineron in the Motion or times we receive for Englished Williams. Wheth of this kind, the Height Housel always be proportional to the Stature of the Animal that draw or moves them.—The Rule is, that the Load and the Acts of the Weets, he of the first leight with the and the Acts of the Weets, he of the first leight with the and the Acts of the Weets, he had being higher than the Bodil, and the Acts being higher than the Bodil and the Acts being higher than the Acts being higher than the Bodil and the Acts being higher man the Beatt, part of the Load will lie on him; or, if it be lower, he palls no difadvantage, and must exert a greater Force. Tho, Stevinus, Dr. Wallis, Sc. flew, that no draw a Vehicle, 55e, over watte, uneven Places, it were best to fix the Traces to the Wheels lower than the Horfe's Breatt.

The Power of these Wheels results from the Difference of the Breatt.

The Power of thefe Whelf relats from the Difference of the Radii of the Axis, and Circumference.—The Canon is this: As the Radius of the Axis is to that of the Circum-ference, So is any Power, to the Wegly it can initial nereby. This is also the Rade in the Axis in Perirrectors, and the effect, the Wheel, and the Axis in Perirrectors, are the fame thing; only, in Theory it is usually exilf by the for-ton Yanne, and in Pattlete by the Latter. See Axis in Per-mer Name, and in Pattlete by the Latter. See Axis in Per-

Dented Wheels, are those whose Circumserence, or else Axis, is cut into Teeth, by which they are capable of mov-ing and acting on one another, and of being combined together. See DENTED, TEETH, E.C.

WHE

WHE I 364 The use of these is very confisions in Clocks, Jacks, 45c. 95, 2 See Clockwork, Warchwork, 95c. The Power of the Directed Wheel depends on the time their her Principle as that of the Simple one.—Tis only that to the Proper fingle Ask in Perirection, which a community of the Proper final Conference on the Conference of the Proper final Conference on the Confere

fample Assis in Pertitebens, which a compound above is a mindle Lever. See Laven. a mindle Lever. See Laven. The Reats of the Pereir to the Weight, in order for that to equivalent on this, must be a Raiss compounded of the Raiss of the Diameter of the Assis of the Hill Wiscol. to the Diameter of the first, and of the Rais of the Roll of the Raiss of the Diameter of the first, and of the Rais of the Reats of the Raiss of the Diameter of the first, and other than the Diameter of the first, and the Raiss of the Rais of the Rais of the Raiss of the

the Power requird to furthin the Weight, will be the Que-tion of occo-roo divided by 3315, yeta-21, of a Pound, very notify; a finall Addition to which will ratio it. 3°, If the Power be multiply dia not he Product of the Radii of the Wheels, and the Fellow be divided by the Pro-duct of the Kadii of the Avea; the Quotient will be the Weight which the Power is able to fulliat.—Thus, if the Power be as; of Found, the Weight will be done of Power bear, of Pound, the Weight will be done of Power bear.

Forces the ant of Found, the Weight will be 600 Found,
"", "I Person and Floyd here gover, in Paid let Ninces,
For y Wester, and a Forgh here gover, in Paid let Ninces,
Forgh Wester, and a forest Wester Wester, in Paid and
Foundation of the Company of the Company of the International Company
Persons here, applied the green Weight.

The Company of the International Company of the International Company
of Forline her hymnic person of Forline with the Number
of Forline he humber of Forline and United Section
of Forline her humber of Forline and United Section
of Forline here, and the International Company
of Forline here with Forline and United Section
of Forline here, and the International Company
of Forline here, and the International Company
of Forline here
of Forline here, and the International Company
of Forline here.

And in the Medical of the Wester at 100 and 1 Axis is to the Radius of the Wheel as 1 to 4.- In the roll,

as I to 5; 40, If a Power move a Weight by means of two Wheels the Revolutions of the flower Wheel are to those of the flower Wheel are to those of the flower Wheel are to those of the flowing, as the Periphery of the flowifter, as the Periphery of the Wheel that catches on it.

Hence, 1°, the Revolutions are as the Radius of the Axis FE, to the Radius of the Wheel D.C.—2°, Since the Num-

in the Wheel M it catches into 50, If the Factum of the Radii of the Wheels G D, DC be multiply'd into the Number of Revolutions of the flowest ; and the Product be divided by the Factions of the Wheel M<sub>3</sub> and the froduct be divided by the Fellims of the Radiii of the Aves which each into them,  $G, H, D, E, G^*$ . The Quotient will be the Number of Revolutions of the fusified Wleel O. E. §, If GE = 8, DC = 12, GH = 4, DE = 3, and the Revolutions of the Wheel M be one; the Number of Revolutions of the Wheel O will be 8.

Number of Revolutions of the Wheel O will be 8,

of 1s Power more a Weight by means of divers Wheels,
the Space pair'd over by the Weight is to the Space of the
Power, as the Power to the Weight. — Hence, the greater
that Fower, the failer is the Weight moved, and were surfa
normal than the Space of the Weight moved and were surfa
normal Ratio compounded of the Revolutions of the flower,
that compounded of the Revolutions of the flower,

Wheel, to the Revolutions of the fwifted; and of the Peri-phery of the Axis of that, to the Periphery of this.—Hence, fince the Space of the Weight and the Power are reciprocalnace the space of the weight and the Fower are reciprocally as the fulfilling Fower to the Weight, the Fower that foliations a Weight, will be to the Weight, in a Ratio compounded of the Revolutions of the flowed Wheel to those of the fwifted, and of the Periphery of the Axis of that, to the Periphery of this.

the resulting of this.

80. The Perphery of the Axis of the slowess Wheel, with
the Periphery of the southest Wheel, given 3 at also, the
Ratio of the Revolutions of the one, to stops of the other:
To find the Space wheels the Power is so pass over, while

We find the Space mibits he Propert is 10 July 2011.

Mathy the Periphery of the Rev. Mathy the Periphery of the Rev. Mathy the Periphery of the Rev. Rev. and the Periphery of the Rev. Rev. Spec. of the Weight, find a south Propertional: This will be the Space of the Power. Spec. 6, g., the Ratio of the Revolutions of the Baseet Weight to Rev. Spec. 6, g., the Ratio of the Revolutions of the Baseet of the Weight to Periphery of the Akid of the Bourlet Weight to Peripher of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Akid of the Bourlet Weight to Periphery of the Periphery of the Bourlet Weight to Periphery of the Bourlet Weight to Periphery of the Bourlet Weight Space of the Power will be found 280.

go, The Ratio of the Peripheries of the Swiftest Wheel, and of the Avis of the Sowell's together with the Ratio of their Recolutions, and the Weight, being given: to find the Power able to fulfains t.

\*\*Tower Bill to Japania II.

Multiply both the Annecedents and the Configuents of
the given Ratio into each other: and to the Product of the
Annecedents, the Product of the Confequents, and the given
Weight, find a fourth Proportional. That will be the Power Weight, find a loarn froportions). That will be the Fower requirt d-Supprice, e.g. the Ratio of the Peripheries 8:15. That of the Revolutions 7: a ş and the Weight 2000: The Fower will be found 2145.—After the fame manner may the Weight be found; the Power and the Ratio of the Peripherrics, Co. being given.

nes, Ge. memo given.

10°, The Revolutions the feeifteft Wheel is to perform 
while the flowest makes one Revolution, being given; tegether exith the Soace the Weight is to be rais'a, and the Peripbery of the flowest Wheel; to find the Time that will be

Say, as the Perlyhery of the Axis of the floweft Wheel is to the Space of the Weight given; fo is the given Number of Revolutions of the fwittest Wheel to a fourth Proporper or Revolutions of the switter of Revolutions perform'd while the Weight reaches the given Height .- Then, by Experiment, determine the Number of Revolutions the off Wheel performs in an Hour; and by this divide the fourth Proportional found before. The Quotient will be the Time fpent in raising the Weight.

Time freen in raising the Weight.
Whitels of Cook, Rec. are the Crown Wheel, Contras
Wheel, Great Wheel, Stroud Wheel, Teval Wheel, StrikingWheel, Detent-Wheel, Rec. Sec. Clock, and Weight,
Whitels of Coaches, Weigness, Rec.—In the Philosophical
Transfellows, we have Gome Experiments theseing the Advanages of high Wheels in Cartages of all Kinda; the Re-

remages of engler rews in carriages of all kinds; the Re-lute of the Experiments amount to this: 1°, That, four Wheels of 5½ Inches high, viz., one half of the ordinary Height of the Wheels of a Waggon, draw a Weight of 50½. A verdapoide up an inclined Plane with left Weight by fix Ounces, than two of them march'd with two

weight by fix Omess, this two of them match'd with two femilier ones of § Inche height.

a. That any Vehicle might be much more cally desure in rough ways, if the fore Wheel were as high as the hind-Wieter, and he In Wehler would likewife be drawn more cally where the Prefect can finely, Sand, Efs.

4. Than high Wheel would not cut foden as two Wheels, 5. That low Wheels are indeed the fix turning in a mar-

5°. That low Wheels are indeed best for turning in a nar-row Compast.
Peter's Where. See Poyters.
Arifotic's Where. See Roya Arifotelica.
Megiring Where. See Promater, Perambulator,

WAYWISER, &c. WHERL is also a kind of Punishment which great Cri-

WHERL IS 210 S 210 OF LOURISM SOF POSISISMENT.

In France, their Affaffins, Particides, and Robbers on the Highway, are condemed to the Webel, i.e. affolds they are sport and left to expire on the Clicamber of Wheel.

Export and left to expire on the Clicamber of Wheel.

expost and left to expire on the Circumference of a Wheel-In Germany, they break their Bones on the Wheel it felf. This crue! Panishment was anknown to the Antients; as soblered by Cinist.—"It is not certain who was the Inven-tor.—It felf Introduction was in Germany. "I'was but rate-tion.—It is the Company of the Com

ly practis'd any where elle, till the Time of Frants I. of Frants I. of Frants I. of the State who by an Edict of the Year 1554, appointed it to be inflicted on Robbers on the Highway. Receiver dates to be insisted on Knopers on the righway. Received dates
the Edict of the Year 1538, and quotes Brodens.
Winnel, in the Military Art, is the Word of Command
when a Battalion is to alter its Front, either one way or the

See EVOLUTION To Wheel to the right, the Man in the right Angle is to turn very flowly, and every one to wheel from the loft to the right, regarding him as their Centre; and vice verfa, when

they are to enheel to the left. When a Division of Min are on the March, if the Wood be Wrest to the right, or a site slight, then the rights or listed had Man keeps his Ground, training only on his letter, and the rail of the Rash more short quarter, this they make a reen Line with the work that the result of the Rash more short quarter, this they make a real Line with a little or level much a first the farme manner. Writast First, among Chymiths, a First cold for falling of Metals proportly celled Rasin Rases. See Fostono, Mar-Ras, See See that corner on temporalist the Corticle, Git as a Welling Pen quite over 3 a reep, as well as zound that the March Sales. See March 1994 of the Sales Rases. When a Division of Man are on the March, if the Word

See FIRE WHERLICOTES, a fort of open Charlots, used by Per-

CHARIOT. SC.

ARNOT. Sc. WHEREL, BOAT, Sc. WHETSTONE, a St. oc for the whetting or fharpening MHFTSTONE, a St. oc for the whetting or fharpening or where the school of the whetting or flare in WHEY, the Scrum or watery Part of Milk. See Milk.

WHIFFLER, of a Company of Lendon, a young Free: Well, arch'd, either Cylindricity, or Elliptically——
men, who goes before, and vain to the Company on eccentral Arch will do, but not for well. See Prosectes. In
WHIGE, 4 Party or Education Diputation, operation to the
WHIGE, 4 Party or Education Diputation, operation to the
WHIGE, 4 Party or Education Diputation, operation to the
WHIGE, 4 Party or Education Diputation, operation to the
WHIGE, 4 Party or Education Diputation
WHIGE, 4 Party of Education, on the
WHIGE, 4 Party of E sures, meens seasons, and sometimes meets the Truth, but always without hoowing it affaredly. Thus, in France, the Calvinift are call'd Higmonest; yet no bady was ever able certainly to affign the Caule of that Appellation. See Huwwood.

Appellation. See Hucuonor.

Whig is a Scattife, and some fay, too, an Irife Word, literally fignifying Whey.—Try is another Irife Word, fignifying a Robber or Highwayman. figniffing a Kobber or Highwaysen.

Now, under the Reign of Ning Gardert the Second, while his fluenter, then Duke of Terk, wa assigned to crates into this fluenter, then Duke of Terk, wa assigned to crates into Taxa of the Duke, which was froncell, perfected the other, and frequently sedaced them to fly into the Mountainand Woods, where these sharping Tegisters had sold to the sedace and the season of the sedace them to fly into the Mountainand Woods, where these sharping the greater than the Mountain of the Sedace and Sedace an

into England.

Others give the Origin and Etymology of the two Words
thus—During the unhap; y War which brought King
Charles I. to the Scaffold, the Partizans of that Prince were at first call'd Covaliers, and those of the Parliament Roundas grit call the designer, and those of the Parliament Resul-Headis—Now, Tory was a Name for a kind of Banditis in Polland, who flicted the designer is the Moonttins and the Illinds form db by the Bogs as, then, the King's Enemies charged binn with favouring the Rebellion in Preland, which booked out at that time, they changed the Name Gondier into this of Tory—and thefe lait, to be even win their Enemies, who were threlly be gauged with the Story, changed Enemies, who were trivery temperature which includes a fort of Sorbinfatts in Scotland, while the first in the open Fields and Woods, fed much and wills. Differt. As Monif. Rapin Thoiras für les Wights Star Torys. Haye Ann. 1717.

WHINE, a hunting Term, ufed in respect of the Cry of

with Showers.

WHINE, a number term, area in respect to the Cryo or Otter. See Elwarshoo.
WHIP, or Whire Starr, in a Ship, a Piece of Timber in form of a frong Staff, fatlend into the Helm, for the Secters Man in (mall Ships, to hold in his Hand; thereby to move the Helm and direct the Ship. See Helm and SYRERING.

STERRING. WHIPFING, a Termused by Anglers, when they fasten a Line to the Hook, or Red. See Anglera.

The Word is also taken from the casting in of the Hook, and drawing it goally on the Water.

WHIRL-POOL, an Eddy, Vortex, or Gulph, where the Water is continually transing round. See Gulleri, En-

the water is continually turning round. See Gulfil, Ed-Day, Youvers, &c.
WHIRL-WIND, a Wind that rifes fuddenly, is excee-dingly rapid and impetuous, when rifen, but from fpent. See Wind and Hurricans.

of most and account of the second of the second of the Second of the Second of the Principle, That the Voice being apply it to one end of an Arch, eathly rolls to the other. See Sooney, Arch, Cf. Accordingly, all the Contrivence in a Weifpering-Place, it, than ear the Perfor who whitper there be a fmooth

extry a Voic fastern Miles 1, And direct others consucrated by Kirobir in his Polematific.

The most confiderable in England, see, the Dones of Sey-gent's Lindow where the Ticking of Watch may be beard from Mole to Side 1 and a very cally Whifer be feat all room being the seed of t

Middle of it into the upper Fart of the Dome.

The famous Whiffering-Place in Glowefer Cathedral, is no other than a Gallery above the East End of the Choir, leading from one. Side thereof to the other.—It conflicts of five Angles and fix Sides, the Middlemost of which is a naked Window s yet two Whifperers hear each other at the distance of tweety-five Yards.

WHITE, one of the Colours of natural Bodics. See Conour and Bony. White is not fo properly faid to be any one Colour, as a Composition of all the Colours,

Composition of all the Colones, it is demonstrated by Sir Husen Nectron, that those Bodies only appear White, which reflect all the kinds of colour'd Rays alike. See WHITERMESS. Herelitz affirms it as a thing most certain, that in the Northern Coantries, Animals, as Hares, Foxes, Benz, 256, become White in the Winter-times and in Summer returns

their name al Colours. See HAIR.

Black Bodies are found to take heat fooner than whith
ones 3 by reafon the former abforb or imbibe Rays of all
Kinds and Colours, and the latter reflect all. See BLACK-

Thus black Paper is fooner put into Flame by a Burning-Glafs, than white; and black Clothes hung up by the Dyers in the Sun, dry fooner than white ones. Sec BLACK.

WHITE Paper is that intended for Writing, Printing, &c. in contradiffication to brown Paper, marbled Paper, blot-

in contradition to brown Paper, mathled Paper, blotting Paper, &C. See Papers,
Whitz Popper is block Pepper blanch'd or unition'd, by
fielling off in upper Skin. See Papers,
Whitz White is that of a clear, bright, transparent Coloar, bordering on white.— This thus call'd, to diffinguish
it from the red Wines or Clarets.

The generality of white Wines are made from white Grapes; the there are fome from black ones. See

WINE. WHINE Wex, is yellow Wax blanch'd, and purify'd hy
the Sun and Dew. See WAX.
WHITE Times, is Cloth of Hemp or Flax, bleach'd by
divers Lycs and Waterings on the Ground. See Blea-

CHING. WHITE Salt is Common, or Sca-Salt dried and calcined

by the Fire, fo as not to leave any Moifture therein. The Chymits call it decrepitated Salt.

There are tome Salts naturally white; and others that need to be whiten's either by diffulving and purifying 'em in clear Water, which is afterwards evaporated; or by means of Fire ; or by the Sun. See SALT.

mean of Fire; or by the Sun. See SALT.

Spanish Waitre, is a kind of Fucus ufed by the Ledies
to whiten the Complexion, and hide the defects thereof.

—Tis made of Tin of Glafs diffolived in Spirit of Nitre,
and precipitated into a very fine Powder, by means of Saltwater. See Tin.

water. Sec. Tive.

Water Lead, in a Rath of Leady or Lead diffired with
Vingrus much wied by the Pointers. Get Lean, in Lead
into the Leaning, Reeping em in Green Water, and
every ten days fresping of the Rath form'd on the Surface
and repeating that is the Lead be quite continued.

Sec. The Company of the Leady of the Company of the Surface
and repeating that is the Lead be quite continued.

The Part of the Company of the Company of the Surface
and the General Redder Trans.—The Reat is the Surface
are company of the Company

'Tis used both in painting in Oil and in Water Colours, and makes a heautiful Colour in each—But 'tis somewhat and makes a reautial Colour in each——But 'th formewhat dangerous both in the grinding and using it, as being a rank Poifon. See Colour.

Of this expire Lead it is that the Paint used by the Ladies, call'd Ceruss, is made. See Caruss.

WHITE Friest, a Name common to feveral Orders of Monks, from their being clothed in a white Habit. See Mann, Habit, Sc.

Means, Harry, &c.

Such are the regular Canons of St. Anguglin, the Premonfraents, and Europeants.

Warray of the Styp, is the fifthe, these of Coat of the Sty.

Warray of the Styp, is the fifthe, these of ferrings of the
topic of the styp, is the fifthe, the stand ferrings of the
topic of the styp, is the fifthe, the stand ferrings of the
topic of the styp, is the fifthe stype of the styp,
Warray hard Stype, cannid Germa Gagettum, Tribuse
or Mail Typia line the Each type, out of certain Lands in or

the styp of the Third's Time, who impeded a your Thomas dela

Harry the Third's Time, who impeded a your Thomas dela

Keen had a warefulley formed in handings. See Harry and King had purpolely spared in hunting. See Hany and HUNTING

MUNITED Line, among Prioters, a void Space greater than usual, left between two Lines. Secoler MYTHO. WHITE MEAN, include Milk, Batter, Cheefe, White-Pots, Catlards, and other Food coming of Milk. Sec Milk., Food, 36.

WHITE-Per denotes Milk or Cresm baked with the

Yolks of Eggs, fine Bread, Sugar, and Spice, in an Earthen-

Por.

The Cooks farnish us with a Variery of Diffue under this Parm and Denominating, Norfick White-Par, Williams 1997, Norfick White-Par, Williams 1997, Warris Care, in Cookery, Sauce made of blanked Almondo, and the Breat of a Capon, pounded topeched Almondo, and the Breat of a Capon, pounded topeched with Glover, Commanne, 187. We also hear of White Zirvich, being a fort of Broch enriched with Sack, and Spicoco, having blanched Almondo fargued into it, and only the control of the Capon and the Capo whole thicken'd with the Yolks of Egge, &c.

WHITE Line; fee Lines Alba.

WHITE Line; fee Lines Alba.

WHITE Rest, is a Rent or Duty of 8 do payable yearly, by every Tanner in the County of Decom, to the Duke of

racuall.

WHITENESS, Abedo, the Quality which decominates a Body echite. See WHITE and Colour.

Sir Isaac Newson thews, that Whiteness confills in a Mixture of all the Colours; and that the Light of the Sun is white, because confishing of Rays of all Colours. See

From the multitude of Riegs of Colours, which sp-pear apon Compressing two Prisms, or Object-Glasses of Telesopes tegesher, it is manifest, that there do so interfere and mingle with one another at lass, as after eight or nine Reflexions to dilute one another wholly, and eight or nine Kelitssons to dilute one another wholly, and conflicted an even, and uniform Fétteneff; Whoece, as well as from other Experiments, it appears, that White-may is certainly a filtener of all Colours, and that the Light which conveys it to the Eye is a Mixture of Raysia-dued with all those Colours. See Electriv. The fame further flews, that Whiteseff, if it be medi-frizing and learniness, it to be excloud of the fift Order of frong and learniness, it to be excloud of the fift Order of

Colours; but if lefs, as a Mixture of the Colours of feveral Orders: Of the former fort he reckons white Matals; and of the latter, the Whiteness of Froth, Paper,

uits and of the latter, the Hibitory of Frost, Peper, Linero, and ord onlers white Sublaces——And as the White of the first Order is the Homeseit that can be made going in the denier Sublaces or Micalla, then in the arrea one of Air, Water, and Olfst. Gold or Copper minded either by Padien, or Amalgam-ton and Air, Water, and Olfst. Gold or Copper minded the property of the con-putation of the company of the company of the com-gainst of Antimony, becomes white; a which flees, both that the Particles of White Metal have much one Sur-face, and therefore are finalize than those of Gold or Cop-putation of Gold or Copper as the the Round tenth of the Colours of Gold and Copper are of the Round of this Older. See Copper are of the Round of this Older, the Gold and Copper are of the Round of this Older, See PARTICLE. PARTICLE

Garments.—Whitfunday always falls between the 9th of May, and the 14th of June, exclusive. See Pants.

WHOLE, in Arithmetic, &c. See Torum; fee alfo

PART, DIVISION, PARTITION, Sc. WHOLESOM; for Food, Poison, HRALTH, Sc.

WHOODINGS, q. d. Hoodings, a Sea-Term, ofed for Planks joined and fatherd along the Ship's Sides to the

WHORE; fee Merrary, Hantor, Sec. WHORLBAT, of the Sason, Bast and Whirl; a kind of Gauntlet, with Straps and leaden Plummets, used by the

antient Romans in their folema Games and Exercifes. See GAUNTLAT. 85c. This Whorlbas is the fame with what they call'd Coffus.

See CESTUS.

Sec Unit of the American Sec Unit of Partialges of Phesiants, as they rife. See Hawk and Hawking.

WIC, denotes a Piece on the Sea-Shore, or on the Bank of a River; tho', in the Saws, it more properly fignificant a Steet, a Village, or Dwelling-Piace, silo a Catile. See

Wysz. We often meet with it in the Saxon Language as a Ter

We often meet with it in the Samue Language as a Premission of the Name of a Town with had a compileration of the Name of a Town with had a compileration of the Name of a Town with the Name of the N

paffes without. See Door.

WICKLIFFISTS, or Wickliffits, a Religious Section of the Religious Sect fry of Oxford,

To that immortal Authorit is we owe the first Hint of

the great Reformation effected 200 Years after him. Sea

the grant Reformation effected zoo Yean after him. Soo REFORMATION, and that the Salitone of the Grant Reformation and the Salitone of the Grant Control of the Control of

Forty Years afterwards, his Doctrine and the Adherers thereto were condemn'd by the Council of Confiance; in confequence of which, his Bones were dug up, and the Council condemn'd him of forty Errors.

WIDOW, Vidus, a Woman that has loft her Husband.
See Woman, Wife, Husband, &c.

Some also use the Term Widower for a Man who has lost his Wife.—Marriage with a Widow, is a kind of Bigamy

his Wire.—histrage with a Wiscot, is a kind of Bigamy in the Eye of the Cenon-Live. See Bigamy.
Winow of the King, was the who, sier her Husband's death, being the King's Tenant in Cepits, was driven to recover her Dower by the Write & Dire Affiguands, and could not marry sgain without the King's Content. See Vi-DUITY.

Wilnow Bench, in the County of Suffer, is that Share which a Widow is allow'd of her Husband's Etlate befides

which a Widow is allow of her Hubbled's Elline befole her Joinvare. So El ascent investment of the Hubbled's Elline befole her Joinvare. So Elline Hubbled's COVERTURE.

If any Goods or Chattels be given her, they all imr If any Goode or Chuttel he given het, they all immediately become het Hukhard's — She cannot let, fill give sway, or slienate my thing without het Hukhard's Con-Cinte—Het very needling Apparel is not here in Property — all her perfoand Chuttels which the held at her Marrings, as for much her Hukhard's, that after his Death which plant out the sum to her, he may be a five the Property of the Condense of the Hukhard, the may dense by the Condense of the Hukhard, the may dense by the Condense of the Hukhard, the may dense by the Condense of the Hukhard, the may dense by the Condense of the Hukhard, the may dense by the Condense of the Hukhard, the may dense by the Condense of the

See Parafficendata.

The Wife can make no Contract without her Husband's
Confent, and in all Law-Matters, fine Viro respondere non

The Law fuppole in the Ruband, the full Fewer such has  $\theta(p)$ , we seen the Oldic of Securing and therefore he must anders for all her Pauls, and Tardgattes. He was a function of the Pauls, and Tardgattes. He was the second of the Pauls, and Tardgattes the second of the Pauls, and the Hand, he must finker the Carlo of the Pauls, and the Hand, he must finker the Carlo of the Pauls, and the Hand, he must finker the Carlo of the Pauls, and the Hand, 
riage to her Husband.

Yet, the Husband, for getting his Wife with Child, which must appear by its being born alive, thall have all his Wives Lands for Life.

Wreet Lances for Life.

The English Laws are generally effected by Foreigners, as very hard in refrect of the Women; and yet Chamberlain is of a very different Sentiment, afferting that the Condition of Wives in England is better than in any other

Terrullian has two Books on the Ornaments and Attire of Wives --- In the second he labours to prove, that a Christian Wife cannot in conficience endeavour to please by her Beauty, which she knows to be naturally liable to raise loofe Defires; and that flic ought not only to avoid all affected Beauty, but even to conceal and cover her natural

Besuty.

Mid-Wife, Obstatis. See Delivery, Fortus, &c.

Mid-WIFF, OUGHTM. SC DELIVERY, FORTUS, CA. Sc alio Vincinsity.
WILDERNESS, Icc Desart, Grove, Woon, Ca. WILD-Fire, Pois Gregati, or Greens. Sco Firm.
WILD-Fire Arrows, fach as are trimmed with Wild-Fire, and floot burning, to fileck in the Salis or Rigging of

Ships in a Fight.

Wild Fire, is also a Discase in Cattel; which is infectious, deadly, and even repared incurable. See Mun-

WILL, Voluntas, is usually defined a Faculty of the Mind, whereby it embraces or rejects any thing reprefen-ted to it as Good or Evil by the Judgment. See Facur-ry, Good, Evil, Se.

TY, Goon, EYIL, W.C.
Others will have it to be the Mind itfelf, confider'd as
combracing or refusing a adding, that as the Understanding
is mathing elfe but the Soul, confider'd as Ferreirung;
the Will is nothing elfe but the Soul confider'd as Willing,

See Understanding. Mr. Locke more intelligibly defines the Will a Foculty,

Mr. Lecks more instilligibly defines the BYM 3 Precity, which the Soul has of beginning of refereining, continuation of the beauty of the heavy barely by a Thought or Preference of the Mild entering or, as it were, commanding the doing, or not doing that the beauty by a Thought or Preference of the Mild entering or, as it were, commanding the doing, or not doing that the beauty of the beauty

fa, is what we call the Will. See rower.

The actual Exercise of that Power, is what we call Voli-The actual exercise of that Fower, is what we can your from, or Willings and the doing or forbearing any Action confequent on fact Order of the Mind, is call'd Volunt ary. See Vor.1710., Voluntary, Ed., Father Mallebranch lays it down, that the Will is that to

Führe Mettlebrande bays is down, that the Will is hat to the Soal, which Morion is to the Body and argane; That as the Author of Nature is the univertid Caule of all the Morions in Batter, to be let all the helizations in the Morion in Matter, to be 1 of all the helizations in the Morion in Matter, to be 1 of all the helizations in the Caurfe he discreted sud chang'd by form foreign Caufe; of all Intilitations are right, and could have no other Ead, but the Enjoyment of Turch and Goodness, were there one foreign Caufe to determine the natural Imprecision to

evil Radd.

Accordingly, he defines Will to be the Imprefition, or natural Motion, which carries us towards Good indeterminately, and in the general 3 and the Power the Mind has to direct this general Imprefition towards any particular Object that pleafes it, is what he calls Liberty. See Liberty and NECESSITY.

Arifettle diffinguiftes two kinds of Acts of the Will;
gin Saare, Willing, Volition; and agranger, Eleftion—
The first, that employ'd about the ultimate End; the lat-

The Schoolmen also diffinguish the Actions of the Will The Schoolmen allo ditinguish the Actions of the Will into Elicit and Commended—Elicit Afts, Afficers Eli-cites, or those immediately produced by the Will, as real-ly inherent therein; fuch are Willing and Willing—Com-posanded Acts, Afficient Imperate, are Effects produced by

other Powers, v gr. the Scafftive, Intellective, or Loco-motive Powers, at the Command or Intigation of the Will

motive Powers, at the Cummand of Indigation of the Will.

As to filling, flay, flat, Fower J. as, wone we than No. 18 and the state of the control of t

Free-Will See Lineawy.
Will, or Life Will, io Law, Ec. a falema Acl, or laftument, whereby a Perfon directs and orders the Difpoil of his Good, Effects, Ec. after his Death.
Will are of two binds: A Will in Writing, properly caldad afto Afformari, See TREVALENT.

And a Will by coved of month only, call'd a Namespating
with actual Will by coved of month only, call'd a Namespating

And a will be consequent mount only only on a summargure.

Will, which being proved by three or more Witterfles, may be of as good force as that in Writing; except for Lands, which are only devifable by Telfament in Writing during the Life of the Telfattor. See Nuncerature.

Will with a Whife, a Meteor known among the Peo-ple under this Name; but more usually among Authors under that of Iguis Fastuus. See Iguis Farruus.

With P.E., of the Durch Wimpel, a Muffet, or plaited inneu Cloth, which Nans wear about their Neck.

The Word is also used for a Streamer or Flag. See

LAC, Ec. WIN, is the Beginning or End of the Names of Places, guilfes that fomo great Eattel was fought, or a Victory

The Word is form'd from the Saxon Winge, Prelima, Battel

Batel. WIND, Fintus, a feafble Agitation of the Air, where-by a large quantity thereof flows out of one Place or Region into number. See Aia. "The Winds are divided into general, Astal, and nurisa-tion—They are to divided into general, and particular." Ferrunal, or confirm Winsa, are fach as always blow the fine way.—"It this do be a very tousthe our, the former way.—"It this do be a very tousthe our, the to Weit's call'd the general Tack-Wind. See Than-Wind.

Stated, or periodical Winns, are fuch as conflantly re-turn at certain Times—Such are the Sea and Laud-Breezes, blowing from Sea to Land in the Evening; and

Becces, blowing from Sax to Land in the Evenings, and from Land Sax in the Merrings, Geo Sharara. Such aids see the flyfling, or furricular Track-Winds, which for certain blonds or the Lear Debo one way, and which for certain blonds or the Lear Debo one way, and the state of the Landson of

General Wisso is fuch a one, as at the farm time blows for fame way over a very large Tradel of Ground, almost fame way over a very large Tradel of Ground, almost But even this has its interruptions: For, 8°, Ac Land its factor ferificiate at all, as being broke by the Interdetion of Mountains, Valleys, &c. 2°, As Ges, near the Ground of Ground of Ground and Control of Ground of Grou

Particular Winds—Excepting the general Trade-Winds, all others are particular.

Those particular to one little Cauton, or Part, are call'd

Those particular to one intre Caston, or rart, are can a Topical, or Provincial Winds—Such is the North Wind on the Weltern Side of the Alps, which does not blow above one or two Leagues lengthwife, and much left in breadth: Such alfo is the Pouriss in France. See Pox-TIAS.

## Physical Cause of Winds.

Some Philosophers, as Des Cartes, Rehault, &c. account for the general Wind from the diurnal Rotation of the Earth; and from this general Wind derive all the particu-Earth 3 and from this general Wind derive all the particu-lar once—The Atmotherer, fay they, investing the Earth, and moving round its that part will perform its Circuit foundt, which has the finalleit Circle to deferfor: The Air, therefore, near the Equator, will require a forme-what longer time to perform its Coarfe in from Welt to

East, then that nearer the Poles-Thus, as the Earth turns Eastward, the Particles of the Air near the Equinoc-tial being exceeding light, are left behind, fo that in re-fpect of the Earth's Surface, they more Westwards, and

spect of the Earth 8 ourtace, they more well-wand, and become a confinant Eaftry Wind.

This Opinion feems confirmed by this, that thefe Winds are found only between the Tropicks, in those Parallels of Latinde where the dismail notion is furtherior.—But the conflast Calma in the Atlantice See, near the Equator,

the wetterly Winds near the Coult of Guinea, and ti riodical wetter y Monfoons under the Equator in the Indian Seas, declare the infufficiency of this Hypothesis.

seas, uccare the intuincency of this Hypothefis. Befides, the Air being kept clufe to the Earth by the Principle of Graviry, would in time acquire the fame degree of Velocity, that the Earth's Surface moves with, as well in refrect of the diurnal Routino, as of the annual about the Sun, which is about thirty times faviter.

Dr. Halley, Absorbine, California, and Conference and C

Dr. Halley, therefore, subfittutes another Cause, capable of producing a like centiant Effect, nor liable to the same Objections, but agrecable to the known Properties of the Elements of Water and Air, and the Laws of the Motion of fluid Bodies - Such a one is the Action of the Sun's Beams upon the Air and Water, as he patters every day over the Ocean, confider'd together with the Quality of the Soil, and the Situation of the adjoining Continents.

According to the Laws of Staticks, the Air which is lefs according to the Laws of Statices, the Air which is left arrefided or expanded by Heat, and confequently more pen-derous, insulf have a Motion towards those Pares thereof which are more restried and left sponderous, to bring it to an Equilibrium; allo the prefence of the Sun continually lifting to the Wellward, that part towards which the Air tends by reason of the Rarefaction made by his greet. Mor-idian Fixer, is with him curried Wellward, and confequently the tendency of the whole Body of the lower Air is that way.

Thus a general Eafterly Wind is formed, which being imprefs'd upon all the Air of a vait Ocean, the parts in pel one the other, and so keep moving till the next return of the Sun, whereby so much of the Motion, as was lost, is again reflored; and thus the Easterly Wind is made

Perpensation the fame Principle it follows, that this Eatherly Wind floud on the North Side of the Equator be to the Northwards of the Eati, and in South Latitudes to the Southwards thereof; for near the Lone, the Air is much more ratefuel, than at a greater distance from it; because more ratched, than are greater diffance from it; because the San is twice in a Year vertical there; and at no time diffant above a; Degrees. At which diffance, the Heat being an the Sine of the Angle of Incidence, in but little Brore of that of the perpendicular Ray; whereas under the Tropicks, tho' the San flay longy Vertical, yet he is a long time 4? Degrees off; which is a kind of Winter, wherein the Air fo cools, as that the Summer Heat cannot warm it to the fame degree with that under the Equator. Wherefore the Air towards the Northward and Southward being lefs

the Air cowards the Northward and Southward being less tarefied, than that in the middle, it follows, that from bein Sides, it ought to tend towards the Equator. See Hear-This Motion compounded with the formerly Easterly Whist, accounts for all the Phazomena of the general Trade-Winds which, if the whole Surface of the Globe were Set, would undoubtedly blow quire round the World, as they are count to do in the Albanick, and the Elispack Count.—But feeing to great Continents do interpole, and break the Continuity of the Oceans, regard must be had to the Nature of the Soil, and the Polition of the high Mean-

fall in fo frequent Rains.

But, as the cool and denfe Air, by real of its greater Gravity, prefice upon the hor and rarefied, it is demonstrable, that this latter must defeend in a continued Stream, as fast as it rarefies ; and that being afcended, it mutt disperse itfelf to preferro the Equilibrium 5 that is, by a contrary Current the upper Air muth move from those Parts where the greatest Heat is: so by a kind of Circulation, the Norththe greater first is: 10 by a kind or Christianou, the North-Lail Trads-Wind below, will be attended with a South-Welkerly above; and the South-Eaft with a North-Welk Wind above. See Curaga way, Unique Carrett, 25c.

That this is more than a bare Conjecture, the almost lantaneous Change of the Wind to the opposite Point, which

s frequently found in pulling the Limits of the Trade-Winds, feems to affure as; but that which above all confirms this Hypothefis, is the Phanomenon of the Monfoons, by this means, most easily folved, and without it bardly expli-cable. See Mongoon.

Supposing therefore such a Circulation as above 5 it is to be consider'd, that to the Northward of the Indian Ocean, there is every where Land, within the usual Limits of the Latitude of 30, vis Arabia, Persia, India, Sc. which, for the same reason as the Mediterranean Parts of Africa, are the fam crasion as the Additiverances Parts of Affrice, we displied to sudicitativelle Heast, when the Son is to the chapter to sudicitativelle Heast, when the Son is to the cough, when the Son is remov'd rowards the either month, becare for a Ridge of Mountines are forme diffuser within the Lated, faid to be frequently in Winter covered within the Lated, faid to be frequently in Winter covered within the Lated, faid to be frequently in Winter covered within the Lated, faid to be frequently in Winter covered within the Lated, faid to be frequently in Winter covered within the Lated, faid to be frequently in the Lated to the Cought of the Morth East, in the England Son transferred to the Cought of the Lated as faid, is interestine the Conference of the Cought of the Lated as faid in the Lated as f than that which, by this Circulation, is return'd out of the South-Welt; and by confequence, fometimes the Under-Current, or Wind, is from the North-East, fometimes from the South-West.

That this has no other Caufe, is clear from the Times, That this has no other Caule, is clear from the Irines, wherein thele Winds i.t., 20:2a. in JPPII], when the Sun begins to warm choic Countries to the North, the South-Weil Monfoons begin, and blow during the Heats till October, when the San being retird, and all thougs growing cooler Northward, and tie, Heat increasing to the South, the North East caser, and blow all the Winter, till April again. And it is undoubtedly from the fame Principle, that to the Southward of the Equator, in part of the In-East, when the Sun draws near the Tropic of Capricorn.

But, the Industry of fome late Writers having brought the Theory of the Production and Motion of Winds to fornewhat of a Mathematical Demonstration; we shall here give it the Reader in that form.

# Lanet of the Production, &cc. of WINDS.

If the Spring of the Air be weaken'd in any place, more than in the adjusting places; a Wind will blow thro' the place where the Dimmurion is. See ELASTICITY.

place were no bringing and the property of the

If, now, the Excess of the Spring of the more classic, above that of the less classic, be such as to occasion a little alteration in the Baroscope; the Motion both of the Air expell'd, and that which succeeds it, will become scinsible.

Q. E. D. 8. F. J.

a. Hence, face: the Spling of the Air Incredict, as the competiting Weight interedicts and conjugated Air inderest than Air left competiting Weight interedicts and conjugated Air inderest han Air left competitive in 11 Mirath blow into rater Air out of a place fill'd with a dester.

3. Wherefore, fine a shartle Air in Forcifically heavier than a rater; as extraordinary Lightnefic of the Air fine or any place, must be attended with Accurated harpy first.

Now, an extraordinary Fall of the Mercury in the Baro-meter, thewing an extraordinary Lightness of the Atmo-

meter, newing an extraordinary againsts of the Atmo-fishers; it is nownder, if this threatest Sterems.

4. If the Air be fuddenly condened in any place, its Spring will be fuddenly diminished: Hence, if this Dimi-nation be great enough to affect the Broometer, there will a Wind blow thro' the condened dair.

5. But fince it cannot be fuddenly condens'd, unlefs it have before been much rarefy'd; there will a Wind bluw thro' the Air, as it cools, after having been violently

6. In like manner, if Air be fuddenly rarefy'd, its Spring is fuddenly increas'd; wherefore, it will flow thro' the contiguous Air, not acted on by the rarefying Force—

WIN [ 369]
A Wind, therefore, will blow out of a place, in which the Sails, be Air is fuddenly rarefy'd: And on this Principle, in all probability, it is, that. bability, it is, that,

7. Moff Caves are found to emit Wind, either more or lets—Since the Sun's Power in rarefying the Ait, is no-torious; it must necessarily have a great influence on the Generation of Winds.

Generation of Winds.

The rifing and changing of the Wind is determin'd experimentally, by means of Weather-cocks, placed stops of the control of the work of the control o

Mo. Durbam observes something nor unlike this; #Dept. \*Tobol. 11. c.1... The Austor last mension'd observes, upon comparing feveral Societ of Observations made of the Winds in direct Countries, vota. England, \*Ireland, Societarstend, \*Indit, \*Ireland Societarstend, \*Ireland, \*Irela Eattersy, than in oncer tomos a weak one in another; or moderate, according as the places are nearer, or more remote. Philosoph Transatt. N° 297, and 321.

# Laws of the Force, and Velocity of Wind.

Wind being only Air in Motion, and Air being a Flatz, Cubick to the Laws of other Flatzit; its Force may be forced from the Computation. "Insa—The Rains of the Specific Computation." Insa—The Rains of the Specific Computation. "Insa—The Rains of the Special Computation of the Air Rains of the A

Rule, the frecisic Gravity of Mix, is to that of any other Planti  $f_i$  expressed by a the Signar of the Signar which that Flind, impelled by any Force, more: Signar which that Flind, impelled by any Force, more which the Air, by the fame impelle, will more in the fame time. The signar is the signar in the fame in the signar is the signar in the signar in the signar in the signar is signar in the signar in the signar in the signar is signar in the signar in the signar is signar in the sig

Air will deteribe by the same impairs,  $x_i$  the Ame gives as  $x = y_i$  ( $ki : c_i$ ). Hence, if we suppose Water impell'd by the given Force, to move two Feet in a Second of Time; then will  $f = c_i$  and fince the specific Gravity of Water to the Air, is an and fines the (pecific Gravity of Water to the  $Af_0$ , is a g = g = 1) to g = g = 1. The g = g = g = 1 to g = g = g = 1 to g = g = g = g = 1. The g = g = g = g = 1 to g = g = g = g = 1 to g = g = g = 1 to g = g = g = 1 to g = g = g = 1. The g = g = g = g = 1 to g = g = g = g = 1 to g = g = g = g = 1 to g = g = g = g = 1 to g = g = g = g = 1 to g = g = g = g = 1 to g = g = g = g = 1 to g = g = g = g = 1 to g = g = g = g = 1 to g = g = g = g = 1 to g = g = g = g = g = 1 to g = g = g = g = 1 to g = g = g = g = 1 to g = g = g = g = 1 to g = g = g = g = 1 to g = g = g = g = 1 to g = g = 1 to g = g = g = 1 to g =

gives time—The fusion know of that fourth Proportional in the Space capit. Gened, by review. Desprisions, then a previs freeze of the Space capit. Gened, by review. Desprisions, then a previs freeze fill for flowers a previs freeze fill for flowers at the six, will destribe in the fance time, be force from one that, will destribe in the fance time, be force from a second of the six 
Altitude a Body deteemds in the next Second of Tune, to the forefalls Space of the Air. More in a Second, Air mores in a Second, Sense in Air more in a Second, Sense in Air more in a Second, Sense in Air more in a Second, Sense in Air Sens

fudden Change in the Barometer, fhould be totlow'd with violent Winds. See Baromatrian'd experimentally by a peculiar Mashime, call'd an Anomometer, Wind Mas-furer; which being moved by mean of Salls, like those of a Winds-Mitt, called a Weight, that, fill the shiper it is raid'd, receding further from the Centre of Motion, by this diag along an hollow Arm Birted on to the Asi of the

Sails, becomes heavier and heavier, and prefits on the Arm, ill being a Counter-poide to the Force of the Wind on the Sails, it flops the Mainten theorem, and the Counter-poide to the Counter-poide to the Counter-point of the Mind on the Counter-point of the Wind, on a Plane divided like a Dhi-Platte into Degrees. See An X-

#### Qualities of WINDS.

1. A Wind blowing from the Sea, is always moift: It Summer, 'tis cold; and in Winter, warm: unleft the Sea be froze up This is well demonstrated thus: There is Vapour continually rifing out of all Water, (as appears c-Vapour continually riting our of all Water, tas appears oven hence, that a Quantity of Water being left a little while in an open Vettle, is found fendibly diminish'd) but expectally if it be exposed to the Sum Rays is made a repeatably if it be exposed to the Sum Rays is made to the continual of the continual supportance of the second support of the

Cife, the Exeporation is keyond all expectation. See Va. ravue...—By this means, the directionsteen on the Sea. Secondary impregnated with a field of Vapour. But the secondary impregnated with a field of Vapour. But the secondary impregnated with a field of the long with them; and eccleagentity at classym moit. Again, Water in Summer, GC. conceive left flast than writering Lodies especial on the fame Ray of the San; recribil Lodies especial on the fame Ray of the San; recribil Lodies especial on the fame Ray of the recribil Lodies especial on the fame Ray of the recribil Lodies especial for the recribil Lodies on provided the secondary of the recribil Lodies of provided the recribing the secondary of the provided the secondary of the secondary of the secondary of the secondary of secondary in Winer, and colder in Summer, than that consignous to the Earth— Or thus; Vapours raid from Waner by the Sun't Warrath in Winter, it warmer than the Air is rife in 5 (as represe from the Vapour condenting sud-be-coming visible almost as foon as tiey are got out into Air). From Quantine of Vapour, therefore, continually warmer from Quantine of Vapour, therefore, continually warmer and that of these over the Sea, will raife in Hear to-ward that the properties of the properties of the Say refielded from the Zinta in one Airs, the Sun't are much more than those from the Water isso Air. The Air therefore over the Earth, warmed to the Refielder of are much more than those from the Water toto filts: 1 no
Aft interefers over the Earth, warm'd by the Reficilion of
more Rays than that over Water, is warmor—Hence StaWinds make thick, clough, have yellowed.
a. Winds the thick, clough, have yellowed.
a. Winds the twing from the Continent, are closely dry;
in Sommer, women; and cold in Winter—For there is
much left Vapour arising from the Earth, than from Water.

much lefs Vapour arising from the Earth, than trong Water.
And therefore the Air over the Continent will be impregnated with much fewer Vapours. Add, that the Vapour or Exhaliations railed by a great degree of Heat can of the Earth, are much finer, and lefs fentilite, than those from Water—The Wind, therefore, blowing over the Constinent, carries but little Vapour with it; and is therefore.

forty, sarray was the Earth in Summer is warmer than Water expost to the fame Rays of the Sam.—Hence, as the Air parakes of the Heat of contiguous Bolies; that over the contiguous Bolies; that over the sarray was the sarray of the warmer than that over the

expord to the lame table of the summarised section of the control of consignous Bodies; that over the keart is farmer call of consignous Bodies; that over the Water. Therefore the Wind. Great of the Water. Therefore the Wind. State the Land-Wind. After the like manner in it flrows, have the Land-Wind. Make clear, cold Weather. See Waxwaran.

Our Northerly and Societaly Wind. however, which are the Control of old and warm Weather, when the Control of the Waxwaran.

Our Northerly and Societaly Wind. however, which are the Control of the Water. However, when the Control of the Waxwaran.

Mr. Durchau cliffer the Control of old and warm Weather, when the Control of the Waxwaran.

Mr. Durchau cliffer the Control of the Waxwaran of the Warm of the Ameniphere.——Hence it is, that we frequently see a warm foundary Wind on a folder changed of warming the Ameniphere.——Hence it is, that we frequently see a warm foundary Wind. So and for the Control of the Warming of the Market Southern of the Control of the Warming of the Control of the Warming of the Warming of the Market Southern of the Warming 
to Blights; See BLIGHT.

For the Effect of Winds on the Barometer, and Thermo-

Winn, in Navigation, is the fame Agitation of the Air, nfider'd as ferving for the Motion of Vessels on the Water. Sec SAILING

The Winds are divided with respect to the Points of the Horizon from which they blow, into Cardinal and Colla-

Cardinal Winds, are those blowing from the four Cardi-oal Points, East, West, North, and South. See Can-DINAL.

DIBALT OF THE ACT OF T

The Moderns, as their Navigation is much more perfect than the antient, have given Names to twenty-eight Colla-teral ones; which they range into primary and feemdary— and the feemdary they full-divide into those of the first and feemd Order. See Point. The English Names of the primary Collateral Winds and

Points are compounded of the Nan North and South being fill prefix'd. Names of the Cardinal ones,

The Names of the fecundary Collateral Winds of the first Order, are compounded of the Names of the Cardinals, and the adjacent primary onc - Those of the second Order are compounded of the Names of the Cardinal, or the next are components of the values is the Catalina, with the addition of the Word (by).—The Latins have difficed Names for each; all which are expressed in the following Table.

| cataly att marin an  | Names of the Wina                                   | 6.1      |             |
|--|---|----------|-------------|
|  | and Points of the<br>Compass.                       | C Diff   | ance of the |
| Esglifb.   | Latin and Greek.                                    | 100      | m North,    |
| 1. North.<br>2. North by East.                                     | Hypaquilo,  | 11       | 15          |
| 3. North-North-  | Gallicus.   | 24       | 30          |
| 4. North-Eaft by<br>North.   | Melaquilo.  | 33       | 45          |
| 5. North East.   | Supernas. Arttapeliotes. Borapeliotes. Gracus.      | 45       |             |
| <ol> <li>North-East by E</li> <li>East-North-<br/>East.</li> </ol> |   |          | 30          |
| 8. Eaff by North   |   | 78       | 45          |
| 9. Ess.  | Scianus, Subfilanus                                 |          | the East.   |
| 10. Enft by South  |   | . zz     | 15          |
| rs. East South-  | Eurus, or Volturnus                                 | 21       | 30 '        |
| 12. South-East by  | Mefcurus.   | 33       | 45          |
| 13. South-East.  | Notapolistes Euro-<br>außer.                        | 45       |             |
| 14. South-East by  | Hypophoenix.  | 56       | 25          |
| 15. South-South-   | Phonix, Phonicias,<br>Leuco-notus, Gange-<br>ticus. | 67       | 30          |
| 16. South by East.   | Mcfopbænix.   | 78       | 45          |
| 17. South.   | Auster, Nosus, Me-                                  | from     | theSouth.   |
| 18. South by Weft.   | Hypolibononotus, Al-<br>fanus.                      | 11       | 15          |
| 19. South-South-   | Libonotus, Notoly-<br>bicus Auftro-africus.         | 22       | 30          |
| 20. South-West by  | Mefolibonotus.                                      | 33       | 45          |
| 21. South West.  | Noto-Zephyrus.<br>Noto-Lybicus.<br>Africus.         | 45       |             |
| 12. South-West by  | Hypolibs.<br>Hypafricus.<br>Subvefperus.            | 36       | 15          |
| 23. West-South-W.<br>24. West by South.                            | Libs.<br>Mefolibs.                                  | 78<br>78 | 30<br>45    |
|  | птетохериути».                                      |          |             |
| 25. Weft.  | Zepbyrus, Favonius,<br>Occidens.                    | from t   | he West.    |
| 26. West by North.   | Hypargeites.<br>Hypocorus.                          | 11       | 25          |
| 27. Weil-North-  | Argeites.<br>Caurus, Corus,                         | 12       | 30          |
| 28. North-West by  | Japyx.<br>Mefargefles.<br>Mefacerus.                | 33       | 45          |
| a9. North-West.  | Zephyro boreas, Bo-<br>rolybicus,Olympias.          | 45       |             |
| orth,  | Hypothrascias.<br>Scirem.                           | 56       | 15          |
| st. North-North-   |   | 67       | 30          |
| 3s. North by West.   | Mefocircius.  | 78       | 45          |

Nose, The antient Names are here, after Ricciolus, adap-ted to the modern ones; not as the Winds formerly denoted by those were precisely the same with these, (for the antient Number and Division being different from the Modern, the Points they refer to will be somewhat different) but as these are what come the nearest.—Thus, Virruvius only reckoning twenty-four Winds, disposes the Points they refer to in a different Order; as in the following Table.

Names of the Diffance from Names of the Diffan

| Winds.  | North.                     | Winds,  | East.   |
|---|----------------------------|---|---|
| 1 Septentrio<br>2 Gallicus.<br>3 Supernas.<br>4 Aquilo.<br>5 Boreas.<br>6 Carbas.       | 15<br>30<br>45<br>60<br>75 | 7 Solames.<br>8 Orunthus.<br>9 Caccias.<br>10 Euras.<br>11 Volturnus.<br>12 Europotius. | 75  |
| Names of the<br>Winds.  | Distance from<br>South.    | Names of the<br>Winds.  | Distance from<br>West.                          |
| 13 Außer.<br>14 Alfanus.<br>25 Libonot.<br>26 Africus.<br>27 Subvefper.<br>18 Argester. | 45                         | 23 Corus.   | 09 c4<br>15<br>15<br>15<br>15<br>15<br>10<br>75 |

For the Use of the Winds in Navigation, &c. See Rnums. COMPASS. WIND Gam, a Machine, ferving to explode Bullers, and other Shor, with great Violence a by the farce of the Air.

See Gun.

This Arm charged with Air, has an Effect fearer inferior to that of a common Fire-Arm charged with Gun-Powder but it discharges itself with a much less Report: And 't this, which, in all probability, gave occasion to the Fable of white Gun-Powder. See Gun-Powder.

There are Wind-Guns of divers Contrivances; the most There are Wind-Gard of divers Contrivances; the most enfs and portable one, and the most in nic is represented, (Tab.P.N.E.W.A.T.C.S.,Fig.14.) It confilts of a round Metalline Tube 5, 3, open at the end c c, and exactly floop? d at the other end s, like the Bartels of other Guns 1, 1, 1, 1, 1, is another larger Metal Tube, wherein the former is disposed another larger Meral Tube, wherein the former is dispoted for a to leave a Space between 'em 4, 4, wherein Air may be inclosed. The two Tubes are joined together at the common Aperture e e by a circular Flate exactly folder'd to both, so as to present the Air from escaping out of the Space 4, 4, 66. At 8 is a spring Valve, which opening in-wardly, let the Air pass through from z into the Space 1, Near the clufe end of but prevents its return from 1 to 2. Space; and the inner Tube communicate, for that the Air would pale out of that into this, but that the Paffage is would pass our tract min time, but that the Pringe is floyd by a Valve opening outwardly 3 by the latter there is a communication between the open Air, the Space 4, and the inner Barrel: only the Air pent up to the Space can't escape at this Hole by reason of a little Tube exactly folders to both Barrels which Bears which Bears and the Colored to both Barrels which Bears which Bears and the Colored to be the Barrels which Bears which Bears and the Colored to be the Barrels which Bears which Bears and the Colored to the Colored to the Barrels which Bears and the Colored to the C folder'd to both Barrels, which stops the communication; nor can Air escape out of the inner Barrel through this little Tube, by reason of a little moveable Pin which exactly fills

the Cavity of the Tube.

the Cavity of the Tube.
Littly, the Part s, s, s, s, reperfents the Bedy of a Syringe or Sacking-Pump; by which, as much dir a politible, in the kinneld since the Syrae 4, s, d (5m — Aince which are the size of 
penetrate a thick Board.

Note, To give the Machine the greater refemblance of a Note, To give the Machine the greater refemblance of a Fire-Arm, the Part 2, s, a, s, is usually fallinged like the Buttend of a Mufquet, and on the Part 35, a 5 is fitted a Lock 3 by reming the Trigger of which, the Pin 5 is made to puth back the Valve, and foditharge the Piece-By the Lock too, it is countried that either the whole Charge of Air may be I peet at one Exploition, or only part of it, and the cell release of fresh Bulleas. By this

piece of Mechanism, we can have half a dozen good, effec-tive Shoots, with one Charge of Air. WIND-Egg, an addle Egg, or Egg that has taken Wind. Sec Egg.

WIND-Fall, denotes Fruit blown off the Tree by the Wind. WIND-Gall, in Horfes, a foft, flatulent Tumour or Blad-der, arifing on the fetlock Joint, and causing great Pain, especially in hot Weather and hard Ways. See Gall. It is usually owing to a violent Strain, extreme Labour, and Heat, a Horfe's flanding on a floping Floor, a Blow from another, or the like.

Wisse-Mill, a kinder Mill which receives in Mosion order, have firm the Implification Wisse. Soci Utter.
The Windows! Most Soci Utter.
The Windows! the 'a Machine common enough, has yet Redder, does not receive the work of the work of the Wisse Mills of the Carlot of Add, that it is usually granted to have a degree of Per-fection which few of the popular Engines have attained to, and which the Makers are but little aware of — Tho the new Geometry, &c. has furnished ample Matter for

# Structure of the Winn-Mill.

The internal Structure of the Windmill is much the fame with that of Water-Mills——The difference between 'em lies chiefly in an external Apparatus for the Application of the Power.

tion of the Fower.

This Apparatus confills of an Axis L. F. (Tab. PAREMA-TICE, Fig. 15) three which pafe two Rods or Yards, A B and CD, mericiding each oriest rajie Anglesia K, whose a kind of Salis, Yanes, or Flights, in the Figure of Trapesium, with partial Eldfest, the Greater where GH is about fix Feet, and the 16x F G electromized by Redi drawn Thefe Salis for the Salis of the Salis Commission of the Sali

from the Centre E, to C and H.

Thefe Stils are to be capable of being always turn'd to
the Wind, that they may receive its Impredion: In order
or which, there are two different Centrivances, which conftitute the two different kinds of Wind-Mills in ufe.

In the one, the whole Machine is futlain'd upon a movable Arbor or Axis perpendicular to the Horizon, on a Stand or Foot; and turn'd occasionally this way or that, by

means of a Lever.

In the other, only the Cover, or Roof of the Machine, with the Axis and Sails turn tound ——In order to which,
The Cover is built Turret-wife, and the Turret encom-

and to Turret encountry part which and the Turret encountry part with a Wooden-Ring, wherein is a Groove, at the bottom whereof are placed at certain diffusees, a namber of Bertis Trackles, and within the Groove is another Ring upon which the whole Turret fluids. To the moveable Rives are concepted Berne as a said of the moveable Rives are concepted Berne as a said of the sai Ring are connected Boams a b and fo; and to the Beam rang are connected iscame a \$\beta\$ and \$\beta\$ of \$\beta\$; and to the Beam \$a\$, in \$\beta\$ is faiterd a Rope, which at the other extreme thereof is fitted to a Windlater Axis in Peritrochio: This Rope being drawn through the Iron Hook \$G\$, and the Windlats turn'd, the Sails will be moved round, and put in the direction requir'd.

Theory of the Motion of a WIND-Mill, with the Polition of the Sails or Vanes thereof

The Angle the Sails are tu make with their common Axis, so as the Wind may have the greatest Effect, is a Marier of nice Enquiry, and has employ'd the Thoughts of

ntante et mec Esquiry, and an emptoy one Thoughts of Toucactive by a Filia-Bill more as at all, the Theory of compound Moriest mail be Engelede—A Body moring preparadinally against a pilia bill more of the Engelede, and the Engelede of En the Mathematician

camor. That, a Rudder faffew'd obliquely to the Keel of a Veffet, being fitnek by the Carrent of Wirer parallel to the Keel and of confequency of the Line of perpendicular linear factors of the Line of perpendicular linear linear factors to the Line of perpendicular linear linear factors to the Linear factor from the Keel, and to Carry it away, and that this Direction perpendicular linear linear linear factors of the Rudder, then the Rudder, then the Rudder, then the Rudder, then the Rudder factors of would be extried off in an oblique Direction 1. But, as, in effect, it is fo fecured, that it cannot be torn or extrict off it we are only reconfider, in this compound Monico, that of the two Directions wherewish it can move without being torn from the Keel; and leave the other which would tear it off a neighbor. it off, as ufclefe.

Now, the Direction in which it can move without parting from the Keel, is that which carries it circularly about its Ex-tremity as a Ceutre. So that the effect of the oblique Im-pulse of the Water on the Rudder, is reduced, first to a perpulle of the Water on the Kanacer, as recussors, first to a per-pendicular Impression, which is again reduced to the mere turning the Rudder round; or, if the Rudder be im-moveable, to the turning of the Vessel. Now, in an oblique and compound Motion, where only one of the Directions is of service; the greater Ratio the

other has thereto, the lefs effect will the Motion have ; and cice verfa.—In examining the compound Motions of the Rudder, we find that the more oblique it is to the Keel, the Rudder, we find that the more oblique 11s to the Keet, me Ratio of the Direction that ferres to run it to the other, is the greater. But, on the other hand, the more oblique it is to the Keel, and of configence to the Carle of the Water which is fuppoided parallel thereto, the more weakly it fitthes. The obliquity of the Rudder, therefore, has at the fame time both an Advantage and a Directantage is but held. as those are not equal, and as each of 'em are fill varying with every different Position of the Rudder, they become complicated variously, so that sometimes the one prevails, and sometimes the one prevails, ometimes the ot

and Iomenmes the other.
It has been a Point of Enquiry to find the Position of the
Rudder wherein the Advantage should be the greates,
A. Rozzas, in his famoura Theory of the Waring of Ships,
has found that the best stream of the Rudder is when it
makes an Angle of 53 Degree with the Keck. Scanture, Stranmag, Gr.
II, row, a Pind-Mill exposed directly to the Wind, should

have its four Sails perpendicular to the common Axis wherein they are fitted, they would receive the Wind per-pendicularly; and it is visible that Impalfe would only to have 'em oblique to the common Axis, that they may receive the Wind obliquely.

receive the Wand obliquely.

Low the greater calls, In multi-off the Whole don't had been called the Wand of the W the whole impulse of the Wind on the Sail has no other effect but to make it turn from right to left, or from left to right, as its acuse Angle turns this way or that. And the Structure of the Machine is so happy, that the three other Sails are determined, from the Same reasons, to move the fame way.

The Obliquity of the Sails with regard to their Axis, has precifely the same Advantage, and Disadvantage, with the Obliquity of the Rudder to the Keel.—And M. Parent, Omiquity or the Ruder to the Reel.—And M. Parent, focking, by the new Analysis, the most daviantageous Sination of the Sails on the Axis, fields it precisely the fame Angle of 53 Degrees. Yet, in practice this Rule is very little observed as, indeed, being little known. They are usually about 60 Degrees, which is very much out of the way.

Ellistical WIND-Mill.

M. Parent confiders further, what Figure the Sails of a M. Payer consider surface, what Figure no saise of a Wind-Mill Mall have, to receive the greateft Impulfor from the Wind s and be determines it to be a Sifter of an Ellipfis whole Centre is that of the Axis or Arthor of the Mill; and the little Semi-Axis, the height of thirty-two Feet. As for the greater, it follows accellarly from the Rale that directs the Sail to be inclined to the Axis; St. Degrees.

On this foot, he affumes four fuch Sails, each wherenf is one-fourth of an Ellipsis 3 which, he shews, will receive all the Wind, and lofe none, as the common ones do. - The fe four Sarfaces multiply'd by the Lever with which the Wind acts on one of 'em, expects the whole force the Wind has to move the Machine, or the whole force the Machine has when in Metion.

The fame manner of Reasoning apply'd to a common Wind-Mill whose Sails are Rectangular, and their Height about five times their Breadth; shows that the Elliptic Wind-Mill has above feven times the force of the common one. A prodigious Advantage! And worthy, fure, to have the common Practice fet afide for, could fo common a

the comisson PraSice fet side for, could fo common a PraSice be easily be applied by the Dears, would all the practice be easily be applied by the Dears, would all have more force than one with fear——It would only have the fame Surface with the fears fame the four contain the whole Stace of the Ellipfin as well as the fixe. But the face of the faw would be genere than this of the Gerial force of the faw would be greater than this of the Gerial ten Sisie, each being a Semi-Ellipfin, the Surface would be sill that fame, but he force would be diminished by season one third of that with fix Salis i by residen the generate of the Section would make fame that Euror with which the feed of the section of the s Wind ofte

The best Form and Proportion of Restangular Winn-Mills. But, as Elliptical Sails would be femething fo new, that

But, as Eliptical sale words be formering to new, total there is little room to expect they will come into common Use; the fame Author has confider'd which Ferm, among the rectangular once, will be the most advantageous, i.e. which, the Freduct of whofe Sarface by the Lever of the Wind will be the greatert. And by the Method & Max-

WIN

imis & Minimis, he finds them very different from the

common ones.

The Refult of his Enquiry is, that the Width of the rechangular Sail should be nearly double its Height or rechangular Sail should be nearly double its Height or Length; whereas the Height or Length are usually made almost five times their Width.—Ade, that as the Height, or Length, is the Dimension taken from the Centre of the

or Length, is the Dimension taken from the Centre of 'the Anis' in the greated Dimension of the new re-Clangular Sail will be turn'd towards the Asis, and the finallieft from it. The Fewco of a Windsill with foor of theft new re-Clan-gular Sails, M. Parent threm, will be to the Force of a Elliptic Sails, nearly as 13 to 3; which leavest acmidden-ble advantage on the fide of the Elliptic eners, yet will the great as the for the comman ones.

great as those of the common ones.

M. Parent likewise confiders what Number of the new All will be most advantageous, and finds that the fewer Sails, the most Surface there will be, but the less Force—The Ratio of the Force of a Windmill with 6 Sails, will be to another with 4, nearly as 14 to 13. And the Force of another with a, will be to that with 4, nearly as 13 to 9.

As to the common Windmill, its force fill diminifhes as the Breadth of the Sails is (maller in proportion to the Height. The usual Proportion, therefore, of 5 to 1, is

Height. The utsal Proportion, therefore, of 5 to 1, is execcionally disdonategons.

The Uses of this new Theory of Windarillis are very elvious—The Due nor Force Windarillis, the ferifier it rems; the more it dispatches, and the lefs Wind it needs. Add, that on this Theory, one may have a Windarillis, while, while Sail shall be a deal lefs, and yet the Force a deal greater, than in the common one.

Winn-Inframents, in Music, are Instruments play'd by

the Wind, chiefly the Breath a in contradiffication String-Instruments, and Instruments of the pulfatile Sound.

See Music.

The Wind-Primement become to the Antients, were the
Plists, Pillints, Syrings of Pless, confilling of feren Reeds
Plists, Pillints, Syrings of Pless, confilling of feren Reeds
Think, Eurora, See, and the Plants, Plants, Plants
Those of the Moderns, are the Plants, Registry, HentBoy, Trimpter, See, See Plents, Barriers, Editor,
Wins College,
Wins Coll

Windlash, fignifics the chafing a Deer to a Stand, where one is ready with a Bow or Gan to shoot. See Hunt ING.

Omnes illi qui tenuerunt in Bondagii tenuva fole Connet till qui tenureuni in Rondagii tenura fele-bant vocari Cufumarii: Er quorighungu Dominus ad venandem veneris, illi Cufumarii felebant figare Windal-fum, ad flabulum in Venatione ferarum Bestarum fecu-dum quantitatem Tenura siae. MS. de Cossucud. Manc-

rii de Satton Colfield, An. 3. Ed. 2.

WINDLASS, or WINDLESS, a Machine used to raise huge Weights withal, as Guns, Stones, Anchors, &c. Sco MACHINE.

MACHINE.
It is very fimple, confifting only of three Pieces of
Wood; a Roll or Axle-Tree, and a Pally—The Pieces
of Wood meet a top; being placed diagonally, fo as to
prop each other—The Axis or Roller goes thro' two of
the Pieces, and turns in them—The Pally is fastea'd

a-top, where the three Pieces join.
Laffly, there are two Levers go thre' the Roll, whereby it is turn'd, and the Rope, which comes over the Polly,

by it is turned, and the Kope, which comes over the reity, is woned off, and on the fame.

Windlass in a Ship, is a Fiece of Timber, having fix or eight Squares, and fix'd abaft the Stern aloft, where the Cables come in form one fide of the Ship to the order; uted in Meal Ships, and in the Firmigh Ships, which are

lightly mann'd.

lightly mann d.

This Windlass will perchase more by much than any
Capstan in the weighing of an Anchor, and without any
danger to those that heave; because they heave here
with Hand-Spitte, put into the Hole at either End of the
Windlass. See Carstan.

Wind Technic Windlass is a thin any than

Windfall. See Carran.

Windfalk: Block, in a Ship, are the main double
Blocks or Palleys; which being made fall to the end of
a small Cable, ferre for the holisting of Goods into the
Ship, E. Sc Eleon, Tacara, E.
To wind or wand a Ship, fignifies to bring her Head

about. How winds or counds the Ship! is a Question ask'd by Mariners concerding a Ship under Sail, figuifying as much as, upon what Point of the Compais does the lie with her Head?

WIND-mard Tide, in the Sca-Language, a Tide which runs against the Wind. See Tide.

WILDOW, g. d. Wind Door, an Aperture or open Place in the fide of an Honfe, to let in the Air and Light. See

UTREEN

Openings are Weakenings 2. That they be pla-ced at a convenient Diflance from the Angles, or Corners on the left, and those above he right over those below : for this Situation of Windows will not only be handsome and uniform; but also the Void being upon the Void, and the Full upon the Full, it will be a firengthening to the whole Fabrick.

whole Pabrick.

At subtire Dimensions, Care is to be used neither to give
them more, nor less Light than is needful; therefore regard is no be had on the Bignest of the Roums which are
to receive the Light. "Is evident that a great Room
areds more Light, and confequently a greater Window
than a lattle Room, and e contra.

than a lattle Room, and e contra.

The results of the state of the results of the res

The Apertures of Windows in middle-fixed Houles, may be four and a half, or five Fees between the Jamba's and in the greater Buildings, fix and a half, or ferror Feet's and their Height may be double the Length at the Length at the Length and the Height may be a third, a fourth, or half their Breadth, more than double their Length.

more than donote their Length.

Such are the Proportions for Windows of the first Story 3

such according to these must those in the upper Stories be

the Breadth; but as to Height, they must diminish the

such Story may be one third part lower than the first,

and his third Story one fourth part lower than the second.

R.Y. ALOUW, in Anatomy, Sc. Sec FENESTRA.

Win D taught, a Sea-Term, implying as much as, fliff in the li and. Thus they fay, a thing is taught, when it is fiff— So, too much Rigging, high Ropes, or any thing catching or botding wind aloft, is faid to hold a Ship Wind taught;

or hotting is that aloft, is faid to hold a Ship Windstangler! by which they mean, that file stoops too much in her Suling, in a fiff Gale of Wind. Again, when a Ship rides in a main thres of Wind and Weather, they fifthe down her Top-mails, and bring her Yards down, which elfe would hold too much Wind, or be too much diffended. WINE, Vinum, a brisk, agreeable, and spirituous Juice, drawn from vegetable Bodies, and formented. See VEO E-

Graws from vegetable Hodies, and fermented. See Veget-Table and Fermanya-Tion.

The Character of a Wine, according to Borthaste, is, that the first thing is affords by Diffillation, he a thin, far-try, inflammable, Se. Fluid; call'd a Spirit. See Spi-

This dilinguishes Wines from another Class of fermented regetable Jaices, viz. Vinegars; which, instead of such Soirit, yield, for the first thing, an acid, uninflammable Matter. See VINEGAR.

Matteri. See VINIOAR.
All forest O'Recubles, Fmits, Seeda, Roots, Ec. affind Fmits as Gerge, German, Matherines, Elder, Cherrico, Finna and Grape, German, Matherines, Elder, Cherrico, Greistields. See Vivioos Liquer, Hence, under the Clafe of Frient, or Visiona Liquer, Hence, under the Clafe of Frient, or Visiona Liquer, Hence, under the Clafe of Frient, or Visiona Liquer, William Company, Compan and VINEYARD.

and VISEYARD.

The Goodnef of Wire confith in its belog net, dry, elear, fine, brink, without any Tafto of the Soil, of a clean, fieldy Colour; in in having a Strength, without being beady's a Body without being foar; and its leeping, without growing hard.

Wire being a Lajour mostly of foreign Produce; the Mine Soil of the Colour, without growing hard.

Wire being a Lajour mostly of foreign Produce; the principal whereof, or thin day, a Transaction where its produced; the principal whereof, or thin day, a Transaction between the Principal whereof, or thin day, a Transaction through the principal whereof, or thin day, a Transaction through the principal whereof, or thin day, a Transaction through the principal whereof, or thin day, a Transaction through the principal whereof, or thin day, a Transaction through the principal whereof, or thin day, a Transaction through the principal whereof, or thin day, a Transaction through the principal whereof, or the principal wh

which

WIN [373] WIN

of which Country, a good purt of what we have to by of

Ma. Breathy studies to have the Liquer when prelist, in a child Liquer, which make Liquer when prelist, to

for in Presentation, inc., "The decommendations," Many the present of fifteen days,

of in Presentation, inc., "The decommendations," Many the presentation of the presentation, inc., "The decommendation of the presentation inc., "The decommendation is the presentation of the presentation inc., "The decommendation is the presentation of the presentation inc." The decommendation is the presentation of the

of its Preparation, into, 1. The Mere-gousse, Mother-drop; which is the Virgin Wine, or that which runs of itself out at in Preparent, min. 1. the Army global method for a set that preparent, min. 1. the Army global method for the Vininger enters to read a range that grows a set that place the Vininger enters to read a range that grows a set of the property of the prope

retains its native Sweetnels—Paffe, or firain'd Wine, that made by freeping dry Grapes in Water, and letting it ferment of itself.

Wanes are also diffinguish'd with regard to their Colour, iato White Wine, Red Wine, Claret Wine, Pale Wine Rofe or Black Wine - And with regard to their Coun -And with regard to their Country, or the Soil that produces them, into French Wines very, or the Soil that produces them, into Fernold Finites, Sponilly Winto, Rebeilly Winto, Hongery Winto, Greek, Sponilly Winto, Rebeilly Winto, Hongery Winto, Greek, Winto, Adaders Winto, Emergendy Winto, Champing, Winto, Edward Winto, Wi

used by way of Dram after Meals, Ge.
Such are the Prench Frontiguine, Madera, the Canary,
the Hungary, Tokai, the Italian Mantelafone, the Perfan Schrei, the Malang W miss of Candia, Chio, Letko,
Yemdoi, and other Ulands of the Archipelage, which antiently belonging to the Greeki, but now to the Yurk's
their Winst are fornetimes call'd Greek Winst, and femetheir Winst are fornetimes call'd Greek Winst, times Turkey Wines.

#### Mathod of Making and Fining WINE.

In the Southern Farts of France their way is, for Red Winst, to tread or fqueeze the Grapes between the Hands, and to let the whole thand, Juice and Hussks yill the Tinc-ture be to their liking: after which they prefs it——Bur

for White Wines, they prefs the Grapes intendiately.

When prefs'd, they run the Muit, and flop up the Veffel; only leaving the depth of half a Foot or more empty, it to work At ten days end, they fill to give room for to give room fer it to work—At ten days end, they fill this Space with fome other proper Wins, that will not prevoke it to work again—This they repeat from time to time; new Wins speading itself a little, etc it be perfect.

About Parit, and in the Northern Parts of France, they let the Murk and Must fland two Days and Nights for let the Murk and Mult Hall two Jan and More Wines; and at least a Week for Clares Wines; e'er they tun it. While it continues working, 'tis kept as

warm as possible

urim as yullible.

Some, upon ilopping it up fer good and sill, roll the
Cask about the Collar, to mist it with the Lees and after
feeting a few days, rack it self with greet imporvement.

To fine it down, they put Shavings of prece Beech into
the Vifell's haveing first taken of all the kills, and both it
them as hour in Water, to extend their desired, and the collars of the col

of their terre lief a vio of river. They put it in a genele Working, such library — The first Collybeding workly, which is a such as the s

ther in Paris or Champaigne.

He adds, that according as the Vines have been manag'd,

the Wine will be fironger or wesker-Thofe, e.gr. which run at liberty up high Trees, and are never pruned, make the finalless Winer: Those kept ried to Stakes about four Foot high, and which have their Branches kept pruned, make fironger Winer: And those nearest the Ground, the

frongell, The Feec of the fermenting Wine is very great; being able, if clofe flop? a pt, to but thro' its firongeit Cask.

—The reading and only way to they or abase the Fermentsion, is by the Funes of burning Sulphur. Add, that when Wine already made is upon the Fret, or, by any Alteration in the Air, begins to Grancat again; the way afted by the Vinners and Wine-Coopers or fave it, is way uted by the Vintners and Wice-Coopers to fave it, is by the flame of common Sulphur, or a lighted Match dip'd in it; which held under the Cask just ready to burit its Hoops, calms its Fury, and makes it immediately fub-Hoope, calms us a.

Wine is variously denominated, according to its State, Circumstances, Qualities, &c. Natural Winz, is fach as it comes from the Grape, ithout further Mixture or Sophiffication.

without terriber Missure or Sophilitations. Percent have different del view, i that where for the transfer of the control of t

has been burnt; in order to it it for keeping, or not carriage by Sea.

Colour Wine, is fome thick Wine, of a very deep Colour, ferring to dye the Wines that are too pale, & A the Black Wine in a Gamong our Vintoces.

Chip Wines, is that pour'd on Chips of Beech-wood, to Colour Chips.

fine or foften it.

neo or content.

Rafe Wink, is that put in a Cask half full of fresh
Grapes pick'd for the purpose, to recover the Strength,
Briskness, sic. it had lot by keeping, sic.

Zurut Wink, is that boil'd up with Sugar; and fometimes with a little Spice.

There is also a fort of Malingby Wink, made by boiling

Increasing See Machage With 2, make by Johns of Mucadine. See Machage See and 1 on only as a Drink, The Ups of Wink are very great; and only as a Drink, But as a Medicine. See Drink, See and Expedience See Drink, See and Excellent Cordial, Several Physicians recommend it as an excellent Cordial, and particularly ferricable in Fevers, the Laws Veneral, Pliny mentions Stapbilus as the first who mixed Wine

ith Water; but Athenous gives the Credit thereof to Amwith Waters bat Albeatau gives the Gredit threef to Albeiry Mig of Albeats—On this Occasion a Fable warrivested yets. That Bandon having been direct with time the Yugushi ship, to be excitagalited.

The Rog of Wine is properly reckeede by Laves—That they far furn of two, four, fin. Levex, to figusly a Wine of fin, four, or two Ceate old; taking each new Leaf Annont the Roman, the Rog of Winet was as as it were.

Among the Romans, the Age of Wines was, as it were, the Criterion of their Goodnets.—Horace, in his Odes, which one may call Bacebie Songs, boatls of his drinking Falernian Wine, born, as it were, wit kon'd its Age from the fame Confuls. with him, or which rec-

Pliny mentions Wines kept above a hundred Years, and yet potable Others he speaks of kept two hundred Years, which by this time were reduced to the Confiftence

of Honey But the Moderns keep no Wines to any fuch Age. Where they are kept the longest, as in Baly and Germany, there are searce any to be found above fifteen Leaves. In France, are teared any to no touth above intend Leave. In France, the Wines that keep beft, as the for Diply, Nauts, and Orleans, are reckend fiperannuated at five or fix Leaves old. Lest of Winx, are the Impurities theorem, or the thick Sediment remaining at the bottom of the Caske, when the Wins is drawn out. See Lexis and Vinnea.

Wine is drawn out. See Lers and Vinngan.

Wine is also a Name used in Medicine and Pharmac

WINE is allo a Name afed in Medicine and Pharmacy, for divers Mixtures or Compositions, wherein the Joice of the Grape is a principal Ingredient. See VINUM.

These Medicard Wires make a confidentable Article in our Dispensaronies, in quality of Diet-Drinks; some being demanded from the Ingredients afed to 'em; some from the Intentions wherewith they are preferrhed; and some

om their Qualities, &c.

trom their Qualities, Efc. Vitum Amarum, is an Infuñon of cereain Bitter Wise, Vitum Amarum, is an Infuñe Cereain Tops of Censury, Orange and Leman Pecl, in white Port, or other white Vites 1 taken by way of Wherin a Morning, to reflere the pall'd Stemech afters Debanch, and bring the Pitres to their due Tenfon.

celebrated Emetic, but now almost out of use for its ronchacts

Elecampane Winz, Vinum Enulatum, is an Infusion of the Koor of that Plant with Sugar and Currants, in white Port.——It cleanies the Visicera, prevents Diforders and Obstructions of the Langes and is good in Ashmatic Cases,

Cachexies, &c. Hag lice Winz, Vinum Millepedum, is prepared of Hog-lice pursive in white Port; and after forme tofusion, prefe'd and drain'd nut: To the Liquor is added Saffron, Salt of

and first of mat 1 to 10 to Laguer is anone Susmo, mass on Sect. §2.6.——It is recommended against the Jasobite, Deferred Wives, Frame Pellevale, is reparted of Liquerice, Sifton, Coninder-Seeda, Carraway, Antie, Sect. of Tartas, Fenny-royal, and Hyffop-Water, digasted with Carrawy Winter, and faired. It is a good Expellorary and the Lange Winter, and faired. It is a good Expellorary for the Paper Winter, the Tymon Emittions. See En avre.

Emet e Wine, Vinum Emeticum. See Emeric. Hipperates's Wine, Vinum Hippocraticum, or Hippo-as. See Hippocras.

Vipor Wing, Vinum Viperinum, is a Preparation of female

Vipers, infuled its Months in Canary Wins.—It is a great Reftorative, and provukes to Venery; good against Cut-neous Eruptions, Se. Sec VIPER. Vinum Scilliticum, Wax of Squills, is an Infusion of those

Onions in white Wine for forty days, and then the Squills firstin'd out, and the Liquor prefer'd for act. It is a gentle Emetic, good against inundations of Rheam, &c. See

WINE Meafure; for MEASURE.

wish medium; see Aleavers.
WING; for Fraymas and Eveno.
Wisks, in Heraldry, are bore fometimes fingle, fometimes in pairs, in which cafe they are call'd Conjected; when the Points are downward, they are faid to be Inverted; when up, Elevated. See Vol.

Wino, Ala, is Botany, the Angle which the Leaves of a Plant, or the Pedicles of the Leaves, form with the Stem, or a Branch of the Plant. See Leaf.

This Angle is commonly acure, and always stands op-ward.—It has its Name from its refembling the Angle which the Wings of a Bird form with the Body; or rather from the Aogle which a Man's Arms makes with his Trunk

which is also call'd Ala, Wing. Wines, in Gardening, &c. are fuch Branches of Trees, or other Plants, as grow up a-fide of each other. See

BRANCH. La Quinting fays, the Term is particularly apply'd to Artichosks, whose Wings or Ale, are the lefter Heads or Fruits that grow up with the principal one, on the same

Wings, Ale, in the Military-Art, are the two Extremes of an Army, ranged in form of Battel; being the Right and Left Parts thereof, and including the Main Body. See

ARMY SON BATTEL. Anny sod Barter.

The Cavaly are always poffed in the Wings; i.e. on
the Flanks, or the Right and Left Sides of each Line; to
over the Foot in the Middle. See Line and Flanks.

Pan, one of Bacchus's Captains, is faid to have been the
Pan, one of Bacchus's Captains, in faid to have been the

first Inventor of this Method of ranging an Army; whence, fay they, it is that the Antients painted him with Horns on fay they, it is that the Antients painted him with Horns on his Head; what we call Wings being by them call'd Cor-

his Head 3 what we call Wrige being by them call'd Ger-man. Horse. See Paste.

The Method of Arranging in Wingin to Wethod of Arranging in Wrige in very sarines. The Romen, we know, wied the Term (ale, er Wrige, for two Boilese of Men in their Army; one on the Right, the other on the Left, confiding each of a contract of the Confidence Theories.—These were delighted to cover the Roman Army, as the Wrige of a Bird cover in Body. The Troposis on their Bright rich of the Wrige of the Almer, and Admer

Copie; and we at this day diffinguish our Armies into the Main Body, the Right and Left Bings. Wing is also used for the two Files that terminate each Batallion, or Squadron, on the Right and Loft——The Pikes are ranged in the Middle, and the Musqueteers in the

WINGS, in Fortification, are the larger Sides of Hornworks, Crown-works, Tenailles, and the like Out-works; including the Ramparts, and Parapets, with which they are bounded on the Right and Left, from their Gorge to their

These Wingsor Sides are capable of being flank'd either with the Body of the Place, if they fland not too far distant; or with certain Redoubts; or with a Traverse made in their

St. Michael's Wang, is a Military Order in Portogal, inflituted, according to the Jefuit Mondo, in \$165; or, according

Chelybears, or Steel Wises, is propused of Filings of Steel, or di Michieli in his Tefror Molitar de Cavalleria, in and astiron infelfed, and fisterd. It is good for removing 1711. Indicator was diplocaful Heavy I. King of Portugal; proceedings, the Might Wise, is made of Cross and the Octation was Vectory guard by him over the long threat was to the Contract of t and the Occasion was a Victory gain'd by him over the King of Sevil and his Sarazess; for which he thought himself beholden to St. Michael, whom he had chose for his Patron in the War against the Infidels.

The Banner they bore was a Wing, refembling that of the Arch-Angel, of a purple Colour encompais'd with Rays of Gold—Their Rule was that of St. Benedit; the Vow they made was to defend the Christian Religion, and the Borders of the Kingdom, and to protect Orphans. Their

Ward, Quis at Deux.

WINGED, in Botany, a Term apply'd to fach Stems of Plants, as are furnifil'd, all their length, with a fort of membranous Leaves. See Syam.

Several kinds of Thiftles have winged Stalks, and Bran-

They also ase the Term exinged Leaves for such as confish of divers little Leaves rang'd in the same direction, so as to appear no more than one and the same Leaf. See

Such sre the Leaves of Agrimony, Acacia, Ash, &c.
Winged Seeds, are such as have Down or Hairs on 'em,
whereby the Wind taking hold, blows 'em to a distance See SEED and SEMINATION.

Wings are of a different Colour or Metal, from the Body.
Wings are of a different Colour or Metal, from the Body.
Wings d is also apply'd to any thing represented with

Winger is and apply a to any thing expectation and ings, the contrary to its Nature; as a winged or figure are, &c. See Freine.
WINNOW, figuifies to fan, or separate Corn from the

Chaff by Wind.
WINTER, one of the four Scafons, or Quarters of the Year. See SEASON, &c.

Winter commences on the Day when the San's diffused from the Zenith of the Place is the greatest, and ends on the Day when its distance is at a Mean between the greatest and least. See Sun.
Notwithstanding the Coldness of this Scason, it is proved

in Aftronomy, that the Sun is really nearer to the Earth in Winter than in Summer. See EARTH.

The reason of the decay of Heat, Se. see under the

The reason of the decay of Heat, &c. iee under the Arcicles Hasz, Lieur, &c.
Under the Equator the Witter, as well as the other Sestions, return voice every Year's but all other Places have only one Witter in the Year's which, in the Northern Hemisphere, begins when the Son is in the Tropic cora; and in the Southern Hemisphere, when in the Tropic of Casser: So that all Places in the fame Hemisphere have their Winter at the fame time. WINTER Solfice; for Sonstice.

WINTER'S Bark, Cortex Winteri, or Winteranus; for Cortex and Cinnamon.

WINTER, among Printers, a part of the Printing-Prefs. See PRINTING-Press.

See PRINTING-PT/S.

WINTER RIS, among Husbandmen, fignifies to fallow,
or till the Land in Winter. See Fallow, 156.

WIRE, wrote also Wyre, and Wist, is a piece of Metal,
drawn theo' the Hole of an Iron, into a Thread, of a Fincmeis answerable to the Hole it is pass'd through.

Wirst are frequently drawn fo fine, as to be wrought along

with other Threads of Silk, Wool, or Hemp: And thus they become a confiderable Article in the Manufactures.

they become a considerable Article is the Ministratures.

The Meast most commonly draws into Wire are Gold,
Silver, Copper, and Iron—And hence we have Gold Wire,
Silver Wire, Iron Wire, &c. as in the following Articles.
Gold and Silver Wire X—What we call Gold Wire is
made of cylindric logors of Silver coverd over with a Skin

Control of Common Commo of Gold, and thus drawn fucceffively thro' a vast Namber of Holes, each smaller, and smaller; till at last it be brought to a Finesel's exceeding that of a Hair.

brought to a Finecels exceeding that of a Hair. That predigious Dacility which makes one of the diffic-guithing Characters of Gold, is no where more confpi-sations than in this git Wire—A Cylinder of 48 Oances of Gold coverd with a Cost of Gold only weighing one Oance, Dr. Halley informs u. is commonly drawn into a Wire, a Yards of which only weigh one Grain: Whence 98 Yards of the Wire only weigh 49 Grains 3 and one fingle Grain of Gold covers the faid 98 Yards. So that the ten

Grain of Gold covers the fail of Yards. So that the cen thenfandth part of Grain is here by of an lach long. The fame Auther comparing the thickenfo of the Stin of Gold, found it to be call yright; Part of a Incheyer in perceival yabes it cover the Stiler, that even a Microfrops deep red difference, that a like Gylinder of Silver converted with Gold, a Fore 8 inches long, and before y Lorent's with Gold, a Fore 8 inches long, and before y Lorent's with Gold, a Fore 8 inches long, and before y Lorent's with Gold, a Fore 8 inches long, and before y Lorent's with Gold, a Fore 8 inches long, and before y Lorent's with Gold, a fore 1 inches y long, i.e. into x 1 yace, in former longh.

Mr. Boyle relator, that 8 Grains of Gold covering a Cylinder of Silver, is commonly drawn into a Wire thirteen thousand Feet long. See Gold.

The

The Method of drawing it, see further illustrated s the cirticle DucTILITY Silver Wire is the fame with Gold Wire, except that the laster is gilt, or cover'd with Gold, and the other is

See SILVER.

not. See Silver.

There are also counterfeit Gold and Silver Wires: The first made of a Cylinder of Copper, filver dover, then cover d with Gold; and the second of a like Cylinder of cover d with Gold; and the second of a like Cylinder of the the first the Leaffer the Copper filver'd over, and drawn thro' the Iron after the fame manner as Gold and Silver Wire.

Braft Wise is drawn after the fame manner as the for-mer.—Of this, there are divers Sizes fuited to the di-vets Kinds of Works. The fineft is used for the Strings of

Musical-Instruments, as Spiners, Harpfichords, Munichords, &c. See Cirosp.

56. Sec Cinon.
The Finnsker likewife use vast Quantities of Wire of feweral Since, to make their Finn of. See Print.
From Winn, is call'd by the Prench Fild-Archal; the Reason of which, their Authors are not agreed about—
That celebrated Exymologist, M. Monage, derives it from filling the survivalence of the print o

first Inventor thereo

first Inventor thereot.

Three are various Sizes of this Wire, from \$ of an Inch to \$\frac{1}{2}\$ of an Inch to \$\frac{1}{2}\$ of an Inch Diameter. The smallest Sizes are used to thring Muscla Instruments without, particularly Harpstchords, Ffalteries, \$\frac{1}{2}\$c.\to Vall Quantities of Involvier are brought yearly from the Baltick; partly fpent at home, and part exported to France, &c.

For the feveral Manners of drawing

Gold and Silver; fee DRAWING, GOLD, SILVER, Duc-TILITY, &c.

'i he first Iron that runs from the Stone, when melting, being the fostest, and toughost, is preferr'd to make Wire

ce Ison. of. See Ison.

WISDOM, Septemia, usually denotes a higher and more refined Knowledge of things, immediately prefensed to the Mind, as it were by Intuition, without the sittliance of Discouring. See Knowkknos, Discourse, Science, etc. In this Sinc, Wifform way be faid to be a Faculty of the Mind, or at least a Modification and Habit thereof. See

FACULTY, MODIFICATION, HABIT, Ec. Sometimes the Word is more immediately used in a Moral Senie for what we call Prudence, or Diferetion; which

confills in the Soundness of the Judgment, and a Conduct answerable thereto. See Junoment.

The School-Divines foractimes rethrain it to the Knowledge of the more sublime and remote Objects; as that of God,

Ele. In which tente, 'Davology at property sam to our fifther.' The Word in Latin, is Sapientia, which literally expertises the Senie of Tating; to which Widness is supposed to have found controlled to the Catenage of the controlled to the Catenage of the So N them utiling from a deep Attention to our Ideas, goes further, and frequently judges otherwise than the common Apprehensions of Men would reach to. See UNDERSTAND-C. REASON, &C.

WISTA, a Quantity, or Meafute of Land among our Saxon Apocitors. It was different in different Places—In the Monaflicor it is faid to be half a Hide, or fixty Acres: In an old Chro

is in fait one half a Hide, or faxty Acres I ha no ld Chronicle of the Montlery of Battle, it is lid to be forey-eight Acres. See HiDs, 15 th Mind, confiling, according to MLASA, Each Mind, confiling, according to MLASA, Each Ginnbling, and parting together of the Ideas with Quickanfs and Variety, wherein can be found any Refemblace or Congainty in thereby to make up pleafun Piltures and agreeable Visions to the Phantisty. See Pactures and Lind Linds and Althrophysics. It in the Confirmation of the Pactures and Linds and See Althrophysics. It in the Confirmation of the Confirmati

FACULTY and MANGEMATION.

This Faculty, the fame great Author observes, is just the contrary of Judgment, which consists in the separating, carefully, from one another, such Ideas wherein can be found the least difference, thereby to avoid being misself by Similitude, and by Affinity to take one thing for another. See

JUNGMENT "Tis the Metaphor, and Allusion, wherein, for the most part, lies the Entertainment and Pleasantry of Wit; which strikes so livelily on the Pancy, and is therefore so acceptable drikes to irrelly on the Fancy, and is incretore to acceptable to all People, because its Beauty appears at fift Sight, and there is required no Labour of Thought to examine what Truth or Resion there is in it— The Mind, without looking any further, refts fatinged with the Agreeableness of the Picture, and the Gaiery of the Imagination; and it is a the Felbure, and the Gastery of the Imagination 1 and is in a fluid of Affront to go about to scannine is by the Fever Relies of Tresh, or Resica.—Whence it should feem, that Wit-consists in Gomething that is not perfectly conformable to 'em. Essay or Home Underst. L. b. c. st. Wit is also an Appellation given to Persons possible of the Faculty call d Wit, Essay in

A French Author, who, in 1597 published a Treatife of Wit, du bet Elferts, lays down tour Characteristicks thereof.

1. A Nuan, who, with an open Air, and easly Motions, attacks those he convertes withal agreeably; and on any Subject that prefens jetfel, advances new Thoughts, and adorns them with a sprightly Turn ; is, all the World over, a Wit.

a. Another, who less folicitous about the Choice and Delicacy of his Sentiments, knows how to make himfelf valued by I know not what Elevation of Discourse 3 who draws a deal of

I know not what Elevation of Diffcourfey who draws a deal of watering, and furenting, and fivers a deal of Vireiry in this Speaking, and Readland in this Aofwers is it likewise acknowledged a 10th.

Readland in this Aofwers is it likewise acknowledged a 10th.

Pocksking well; who offfeld firm Worte, this Petings was and poor in Mattery, who pleafes by an eafly Promunication and a certain Tone of Voice, in Pleafen the farm Rank.

4. Another, whate Chief Afm is not on make bringfell the companion to the control of the Chief American Chief Chi

jokes pertinently, rallies pleafantly, and finds founething to amufe himfelf withall in every perty Subject; is likewife allow'd a Wit.

Yet, it may be observed, that in all these Cases, there is nothing of real Wir, as above defined; but the whole is Ima-gination, or Memory at most: The whole is no more than

gination, or Memory at most :

gmatton, or Memory at hous: The Temperament may give.

A true H it must have a just Faculty of Differencest 3 must have a feet from the feet of Energy and of Delicacy in his Sentiments 4 his Imagination must be noble, and withat happy and agreeable 3 his Expressions politic and many the feet of the feet o and withai happy and agreeable; his Expredions polite and well turn'd; without any thing of Fardor or Vanity in his Difcoarfe, or his Carriage. "Tis not at all effential to a Wis to be ever hunting after the Brilliant; it fill fludying fine Thoughts, and affecting to fay nothing but what may firike and furprize.

This is a Fault very frequent in Dramatic Persons: The Duke of Buckingham railies it very justly.

W hat is that thing which we fluer Wit do call? Tis when the Wit of shine great Writer shall So overflow; that is, be none at all: That even his Fools Speak Senso-

Humour, fay our Critics, is the genuine Wit of Comedies. See HUMOUR

WITCHCRAFT; fee Soncery and Magic.
There may, perhaps, be forme Foundation for what we call Witcheraft.—We have infinite Inflances and Hillories

to this purpofe; which it were not fair to fet slide, merely because they are not reconcileable to our Philosophy: Bur, as it happens, there seems to be something in Pailosophy to

enance them. All living things, we know, emit Effluvia, both by the Breath and the Force of the Skin-All Bodies, therefore, within the Sphere of their perspiratory, or expiratory Efflu-via, will be affected by 'em; and that, in this or that man-ner, according to the Quality of the Effluvia; and in this or that degree, according to the Disposition of the emittent and recipient Parts. See EPPLUVIA

Thus far is incontestable a nor need we produce Inflances of Animals exhaling fweet or flinking Smells; of mentru-ous Women's infecting a Looking Glafs with a bloody Tar-nish; or the infectious Difeases convoy'd by Effluvia, Es.

in confirmation thereof.

Now, of all Parts of an Animal Body, the Eye, we know, is the quickeft—It moves with the greatest Cele-

rity, and in all the Variety of Directions. Again, Its Coats and Humours are permeable as any other part of the Body, (witness the Rays of Light it fo conjously receives.) (wincis the Rays of Legat it to copoonly receives, Line Eye, therefore, no doubt centis its Effluvia like the other parts. Nay, it must do fo. The fine Humouts of the Eyo must be continually exhaling. The Heat of the pervading muit be continually exhaling. The Heat of the pervading Rays mult rarefy and attenuate 'en: And that, with the fabrile Juice or Spirit of the neighbouring optic Nerve, (up-ply'd in great abundance by the vicinity of the Brain, mult make a hand of volatile Matter to be differn'd, and, as it

were, determined by the Eye.

Here, then, we have both the Dart and the Hand to fling it.—The one furnish'd with all the Force and Vehernence,

it— The one turnified with all the Force and velorement, and the other with all the Sharpnef and Activity, one would require. No wonder their Effects are great!

Do but conceive the Eye as a Shing, capable of the fwifterft and interfeit Motions and Vibrations: And, again, as communicating with a Source of feeth Matter as the nervous Juice elaborated in the Bain; a Matter for furbill and preminestalle, see a de Brais ; a Marier l'o de tile conse-seranige, has i tile sinflantaneenfly mor the folici Capilla-mens of the Nerves, and fo sellive and forcible, that it dis-fanced and convolute the Madrier, and differes the Limbs, and Allice to a Malr of river to the Marier group Meteo-tal Capilla, and the selling of the Marier group of facts a taster, famely by facts an Engine sets the Ny-mark produced to the Marier group of the selling of the selling of the Marier group of the Marier group of the selling of the Marier group of the selling of the Selling have an Erick wherever is trikes a And the Erick will be limited and modified by the Gircumstances of Dilinace, the Impetus of the Eye, the Quality, Subtility, Acrimony, &c

of the Juices, and the Delicacy, Coarfeness, &c. of the Object it falls on. This Theory, we are of opinion, will account for the general Phanomena of Witchersft - 'Tis certain the Eye

nes always been effeem'd the chief Seat, or rather Organ of Witcheraft; the' without knowing why or wherefore:— The Effect wasapparently owing to the Kyes; but how, was not dream to. Thus, the Phrafe, To have an Evil Eye, imports as much as to be a Witch. And thus Virgit,

#### Nescio quis teneros oculus mihi fascinat arnos.

Again, old, fanguine Perfens are those most frequently fupposed to have the Faculty 5 the nervous Juice in them being depraved and irritated by a vicious Habitude of Body 5 and fo render'd more penetrating and malignant — And young Perfons, chiefly Children and Girls are most affected young Ferfans, chiefly Children ind Glirt ser molt affected by it is by easien their Four ser petters, their Jucies indicate the property of the property of the property of the the FirstCoreft meaning it by Firsyl, only seather to the tender Lamber—Lally, the Fetally is not pecurified when the Ferfan indifferently provided, irritated, EE. It recepting from extreadingly General Burndson of Mont Inspires to preduce the Effect at the dilutes. That the Zye is from new yes one-forced powers, is pet-dipate. The actions Naturalish afters as, that the Indi-tention of the Coreft is a text and the Safety of the Inspires of the Coreft is a text adversarial section.

'em. If this fail of Credit 3 a late Author affares us to have feen a Monfe running round a large Toad which stood looking carneftly at it, its Moath open: Still the Monfe made lets and lefs Circles about it; crying all the while, as if com-pell'd thereto; and, at last, with a deal of feeming Re-luctance, ran into the gaping Mouth, and was strait swal-

low.d.
Who has not obfere'd a Setting-Dég 3 and the Effect of its Eye on the Partridge! The poor Bird, when once its Eye on ethe Partridge! The poor Bird, when once its Eye more those of the Dog, Handa as if coolinoided, regardlefs of itself, and cashly lets the Net be drawn over it. We remember to have read of Sequirted Shupe'l'd said overcome by a Dog's Baring hard at 'cm, and thus made to drop over of their Trees into his Mount.

That Man is not fecure from the like Affections, is matter That Manit not fector from the like Affections, is matter of edy Othersanie. Few People but have again and again felt the Effects of an angry, a faces, a commanding, felt the Effects, and the state of 
Hence Wite, or Wittree, one of the Terms of Privilege granted our Portimen; fignifying a Freedom or Immunity from Fines or Americaments: Or, as 'tis vulgarly conceiv'd, from being liable to be begg'd for Fools for lack of

Wits Plens, fignify'd a Porfeiture of fifty Shillings-Si Pundbreche fist in Curis Regis Plens Wits fit; slibi quinque Marce

Secundam Witam jurare, was to purge one's felf by the Oaths of fo many Winnesses, as the Nature of the Crime, and the Panishment, or Wite, did require. See Puroa-

-Jurat secundum Witam quod nec fuerat furti confrius nec coadjuer in eo. Leg. law.

Hunce Bloodwits, Fintewits, Legerwits, Ferdwits,
Childwits, Wardwits, Heingwits, Eo. See Bloodwits,

FINTWITA, Ec. WITHERNAM Where Goods are taken by colour of Diffrefs, and driven to an Hold, or out of the County; fo that the Sheriff cannot upon the Replevin make delive-rance thereof to the Party diffrain'd: In this Cafe the Wris of Withernam, or de vetito namie, is directed to the Sheriff, for the taking as many of the Party's Beatls as he did thus unlawfully diffrain; or as much Goods of his, till he has made deliverance of the first Distress. See Destress, Re-PLEVY, &c.
The Word is compounded of the Saxon Wither, contre.

egainst, and Nam, captio, taking ; q. d. Reprifals. See

WITHERS of an Horfe, the Juncture of the Shoulder-Bones at the bottom of the Neck and Main, toward the up-Bones at the bottom of the Neck and Many, toward the up-per part of the Shoulder. Soc Hossz.
WITNESS, Fells, a Person who certifies, or afferts the Truth of any Pack. See EVIDENCE.
Two Eye-Witnesses, or de Vist, nor suspected, are doein'd a conclusive Proof. See TRITION V.

Falle Witnesses, Suborners of Witnesses, &c. are punish'd with the Pillory ; in several other Countries, with Death. In a Synod at Rome, under Constantine, in the Year 310, it was decreed, that there should be 7a Wismeffes heard, to condemn a Biftop; which was call'd illes testium, a Pound of Witnesses. Accordingly there were 72 Witnesses heard against Pope Marcellinus; who, says the Hitlorian, eram electi libra occidua.

erects upon occasion.

Antiently there were Symodal Witmesser, Topes Symodales, in each Parish, chose by the Bishop, to enquire into the Herenesses, other Crimes of the Parishioners 3 and to make Oath thereof on the Relicks of the Saints. See Sinks.

Among the Remains it was a Custom to pull or pinch the Ears of Witneffes profent at any transaction; that they might remember it when they were call'd to give in their Tetti-

WITTENA-Gemote, among our Saxon Ancestors, a Term literally fignifying Council, or Affembly of Sager; apply'd to the Great Council of the Land, now call'd the Parliament, SCC PARLIAMENT.

WOAD, or Goun, or Gaun, Guado, Guadam, a Drug used by the Dyers, to give a blue Colour; call'd also Passel. See Brank.

It arifes from a Seed, fown annually in the Spring 5 which outs forth a Plant call'd Glassum Sativum, whose Leaves refemble those of Plantace-They have usually three, four, or five Crops of Leaves every Year; but only the two or three first are of any Value; whereof the first is best, and the rest in their Order.

and the reft in their Order.

When the Leves are ripe, they gather them 3 and letting them lie fome time, put them under the Whee'to bruile or gird them's after which they are lidel eight ort end away in Piles or Heaps 3 and at 16 ff reduced into a kind of Balle which are laid in the Shade on Heales and very. This door, they grid one no lowder 3 and when ground, presed it on a Ficer, and water it, which they call Concornation of the control of the cont

Here they let it fmoke and hear, till by torifying it every
Here they let it fmoke and hear, till by torifying it every
day, it become quite dry, which they call Schering. A
wack after which, it is in a condition to be used in dying.
The antient Britons used to day the third Bodies herewith p
them. Lead to the third to calls tooks to Denomination.

Sec GLASS,

A Word blue is a very deep blue, almost black; and is the Base of so many forts of Colours, that the Dyers have the Baic of to many forts of Coloues, that the Liyes have a Social swhereby they compose the diverse Cash to Degrees of Wasd from the brightest to the deeped. See Drine. WOLD, Signific as plain Down, or open Champain-Ground, billy, and void of Wood—Hence the Namech, Steep in the Wold, and Cocyledia for Society Steps (whence also that part of Leicetyraftins, which lies Northward beyond the Wreten, sucil of the Wold Leicethraphire.

WOLVES Tests of an Horfe, are over grown Grinders, the Points of which being higher than the reft, prick the Tongue and Gums in feeding, so as to binder the Chewing

of the Meat. 

FEMALE and MAN.

St. Augustic calls Women the Devous Sex: at leaft this is the common Opinion; the other rather think that in the Prayer gainst sutributed to that Father, and fill it cheated in the Rossife Church to the holy Virgin, the Words interin the Rossip Church to the holy Virgin, the Words inter-ends pro device Femines flow, are to be underflood of Waness devoted or confectated to God in Religious Houses, which had been fufficiently experted by the Words, Ora pro-pulo, interventi pro Clero. See SEX; secassic Relicious,

"Tis a popular Tradition among the Mahometans, which obtains to this day, that Women shall not enter Paradife. See PARADISE.

An Anonymous Author, about the Clofe of the XVIth Century, published a little Latin Differention to prove that Women are not Men; that is, are not reafonable Creatures: Differtatio perjucunda qua Amonymus probare nititur Mu-licres komines non effe-He also endeavours to prove, what naturally follows from his Principle, viz. That Women shall not be saved; that there is no suture Life or Happiness for

His Proofs are all taken from Scripture, or founded on Scripture—Tho', after all, his Aim is not fo much to degrade Women to the condition of Brutes; as to show the degried Wester to the condition of Bruters as to flow the Relicule and Wesheeft of the Principle or Method of the Relicule and Wesheeft of the Principle or Method of the Admit of so Proofs are Confidentions but what are taken from Seripura Boson. This appears from the Concluding of the Work. Probating opinion, Justicity Method size of Dead from effect, offend from worthy Mondo spec made higher temporal Herstell, if preferring Analogyille, Sucrean Bollows applicars Seriptorm, II goal assume Methods and flabilienda fue execranda Dogmata.

Yet, Simon Gedicous, a Lutheran Divine, wrote a letious Confutation of this Piece, in 1595; wherein he reftores the Women to the Expectation of Heaven on their good Con-

The antient Marcionises allow'd their Women to baptise 5

The auteur Mercinium allowed their Homore to haptine is are see suffect on the Lifephanium, Hara, i.e., a.—The was see sufficient by the Lifephanium, Hara, i.e., a.—The produce of the Lifephanium and the Paulanium research and prophely on an equal forming with the Name. Bor Marx (1917), Most. "The Point much convovered, how for Lexunium and Study become the Sec.—Friginat handles the Quellion at Africa Study become the Sec.—Friginat handles the Quellion at Africa Study become the Sec.—Friginate handles the Quellion at Africa Study handless the Completion of 
sees goue beyond or mosts, in a 1 reatific on this Problem; Nime Farmier Chriftiane convening fluidim Literarum? Several of the Women remarkable for Learning have been also diffinguished for their want of Coaded: The Readon, no doubt, lay in this, that their first Studies lying in Books. of Gallantry and latrique, the Imagination was of Gallantry and intrages, the Imagination was easy turin of that way, and the Miemery fill of with a fort of ideas, which a favourable Difforition and Age adopted too ealily, and ap-proved to fall—"In northar 1980, in filled, has any satural rendency to produce luck Effects; eather the contrary: The clofe abstracted Relearkner of Menghyling, Logits, Mathe-matics, Physics, Chiticiin, 'E. on oloubly, would be one of the furth Menan to fecure, and editabilit the Utree of Cas-

nency in a Woman. timency in a Novaman.

A Woman in England, as foos as fine is married, with all her Moveables, is wholly in pereflate viri, at the Will and Difpofal of her Hasband. See Figure. There are divers confiderable things relating to Women.

the Laws of England; which fee under the Article

WIFE WONDER ; fee MIRACLE.

JOHEUM, COLOSSUS, PHAROS, Ec.
WOOD, Lignum, a folid Subilance, whereof the Trunks
and Branches of Trees are form'd; and deriving its Growth from certain Juices in the Earth. See TRUNK, BRANCH, Ec.

men erwait Jines in the Earth See Tavuer, fina steen, 16: The Hode in a lith perp in, a Tree, included between the Back and the Pith. See Taxt and Baan. Dr. Green, in this Anatomy of Plant, has differer'd, by mens of the Microfoope, that what we call Hode in a Vegachle, survivalencing all in Solidary, then if an offered being of institute misses and the seed of the property of Vegachle, survivalencing all in Solidary, and see displote in form of a Grice, and the other, which he calls Inferring, tend burinessally from the Sarfice to the Contre; so that there were called the control of the Contre; so that there were called the control of the Contre; so that there were called the control of the Contre; so that read businessally from the Sarface to the Centre, for that they croft each other, and are increaver like the Threads of a Weave's Web. See Viarxarrow, Sar, Ef. Woods are dilinguish'd into diverse Kinda; with engard to their Nature, Properties, Virrow, and Ulea.

Of Woods, modified at seconding to the Qualitation that the CO (Woods, modified at seconding to the Qualitation that the CO (State, whether bounding 1901, 1909, 19

Machines, &c. See Timbers.
Woods valued on account of their Curiofity, are Cedar, Every, Box, Calembone, &c. which, by reafon of their ex-traordinary Hardnells, agreeable Smell, or beautiful Polifit, are made into Tables, Combs, Beads, &c. See Erony,

woods aget in Dyng actor.

Week, &c. See Brasit, &c.

Cord Wood is Weed for the Fire, generally made of the
Branches or Loppings of Trees, piled up in Order.

This is limited to be below feventeen laches, and above
fix laches thick, and at leaft threat Foot and a half long. Sec CORD

Faffil, or Subservanceus Woon - There are directs
Places where Wood is found under ground: Whether overturn'd, and buried there from the time of the Deluge, as

ward, and buried there. From the time of the Deluge, as sumy fappole of whether found and produced there, as Jetia known to be. See Posstr., Jan., Ed., See Jetia known to be. See Posstr., Jan., Ed., and, as above a Norlong Segue, his, ferreal lauge clock with all their Bracheston, and which, by their followers because of the see that the see

by a general Subversion of the whole terrestrial Globe at the Flood. See DELUGE. Mr. Boyle mentions a huge Oak dug out of a Salt-Mine

in Transitvania, so hard as not easily to be wrought on by in Xranjilianita, fo hard as not cally to be wrough; on by Iron-Tools i yet being expofed to the Air one of the Mioe, became fo rotten, that in four days it crambled between the Fingers. Differs, the Mateir, Hung. And Mr. Derthans observes the fame of the Trees leady unred up by the Breachea at Dagenham, &c. Philof. Uranf. N° 333.

WOOD, Sylves, in Geography, a Multitude of Trees, extended over a large continued Track of Land, and propa-gated without Culture. See Forker.

garde without Cultaire. See Forsars.
The generality of 180 art only consist of Trees of one Kind.
The generality of 180 art only consist of Trees of one Kind.
Trees are for the Trees of the Kind of Thanmard Trees of the Kind of Thanmard Trees of WOOD, in the See-Language, is when two

of the one joins close to the other. wOOD GELD, Wooderloum, in our antient Customs, the gathering or cutting of Wood within the Forest——Or it may denote the Money paid for the fame, to the Foresters.

Semetimes it also feems to figuify an Immunity from this Payment by the King's Grant.

Crompton lays expectly, it figuifies to be free from the Payment of Money, for taking of Wood in a Forest. See

GELD. Wood Hay, an antient Cufform at Exerce; whereby a Log out of every Seam of Wood brought over Ex Bridge, is taken towards the Reparation of that Bridge. Antiq. of

Excter.

Exiter, Wood-Corn, is a certain Quantity of Oats, or other Grain, antiently given by cuffomary Tenants to their Lord, for the liherty to pick up dead or broken Wood.

Wood-Lands, are Flaces where there are many Woods—the Word is also more generally taken to fignify inclosed

Countries.

Wood-Mars, the antient Name of that Fet 'th-Court, now call'd the Court of Artachment. See Attachment and FORTET.

Wuon-Fles-Court, is a Coutt held twice a Year in the Poreth of Clean in Stropping, for determining all Marters re-lating to Wood, and the feeding of Cattel there.—Per-haps it was originally the fame with Wood-Mote-Court.

hang or you, and necking of James it was originally the fame with Wook-Meir-Carr.
WOODWARD, as Officer of the Footh, whole Fuocilion
is to observe any Officence either in Vert, or Vendien, committed within his Carrey as all to prefer the fame a sad in act any Doer are found kill? On barr, to inform the Venderer thereof, and prefent em at the next Court of the Forest. See Forker.

Woodwards may not walk with Bows and Shafts, but with Forest-Bills. Arcum & Calamos gesare in Foresa non licet, sed (ut reservisti mar Verbo) Hachetum tantusamodo. Term. Hil. An. 13 Ed. 3.

WOOF, among Manufacturers, the Threads which the Weavers shoot a-cross, with an Instrument call'd the Shuttle, 

See TAFFATY.

See Taffary.

In Mohaits the Worf is ufuslly Wool, and the Warp Silk
—In Santine the Warp is requestly Flas, and the Worf
WOOK Cheers, on any the state of the Work of the Wook Cheers, and the Worf
WOOK Cheers, on the Work of the Wook Cheers, which, washed,
floars, defedd, combid, from, work, gle. makes divers
field of Soufit, Cloth, gle. for Apparel, Farmiure, gle.
See Hairs and MANUFACTURE.
While the Floor censuiss in the Source is was fulf floars of While the Floor censuiss in the Source is was fulf floars of the While the Floor censuiss in the Source is was fulf floars of the While the Floor censuiss in the Source is was fulf floars of the While the Floor censuis in the Source is was fulf floars with the work of the Wook of the Wook of the Wood of the Wook of t

the Sheep's Back, and not forted into its different Kinds, it is call'd Floor. See FLEECE.

Each Pleece confilts of Worl of divers Qualities and De-rees of Finencis, which the Dealers therein take care to

grees of Finencis, weren and English usually separate each Fleece. The French and English usually separate each Fleece into three Sorts; viz. 1. Mather-Wood, which is that of the Bagk and Nock. 2. The Wood of the Tails and Legs. 3. Bagk and Nock. 2. The Wood of the Tails and Legs. 3. The Wood of

Bugs and Nock. 2: The West of the Tails and Legs. 3.
That of the Brest and under the Brilly.
The Spaniards make the like disline into three Sorts, which they call Prime, Second, and Thirds and for the greater Eile, denote each Bale or Pack with a Capital Letter denoting the Sort——If the Pringe or Spenation be well made, in fifteen Bales there will be under mank dry that it, Refine or Faine 1 wom marked 2, for Faine 3 to.

cond; and one S, for Thirds.

The Wools most effected are the English, chiefly those about Leoninster Corprold, and the Hic of Wight; the Spanish, prin-

ci; ally those about Secous ; and the French about Herry D d d d d which

which last are faid to bave this peculiar Property, that they will knot or bind with any other fort; whereas the reft wi only knot with their own kind. Among the Antients, the Wools of Attica, Megara, Lao

dices, Apalia, and especially those of Tarentum, Parma, and Alismo were the most valued. Columnila sets the two last even above that of Tarretum, Lib vii. c. a. And Varro assure us, the People there used to clothe their Sheep with Skins, to fecure the Wood from being damaged. De Re Ruff. L. II. c. a.

Tovermer affirms, that the Wools in Afia are incomparably finer than those of Europe; and there is no doubt but that Wool was the Golden Fleece fought at Coletos, See GOLDEN

The Art of Preparing and Working Wool is attributed by a Antients to Mineros; who accordingly is made the Gethe Antients to Mineros; who accordingly is made the Genius and Protecteds thereof. See WOOLLEN.

English Woon --- The Wools of England have always been in the highest repute; and that more abroad has an e-home.—Sume we have, which manufactured by our own C o hiers, Chemistration observes, does both for former and C of the control o been in the highest repute ; and that more abroad than at

Hot, without at least one third of English Hot mixt with the interest This Hot of the geoderic or the Changib Hotel is since This Hotel with the Hotel of the Hot

an Folds during me wince, or to fecure 'em trom Wolves ar other times; contributes not a little thereto.

The Sweet and Irifo Woods are commonly fold abroad for Englifo; and upon the fame fooring.— But Foreigners, skull din thole Matters, find they come far floor of it in finencis, the' at fome Markets the Irifo is even faid to be mortally at the Englifo. prefer'd to the English.

The yearly Produce of Weel in England is calculated by Dr. Davenam and Mr. King at two Millions Sterling. See

WOOLLEN Manufallory.

Wootless Manufattery.

Antiently, the principal Commerce of the Nation confided in West unmunufatured; which Foreigness, effectially the French, Drutch, and Flamigh bought or w. Informath that the Cassons of English 8 sel exported in Edward the Third's Reign, amounted, at 30 s. a Fack, to 3500001 feet Aumans. An immedic Sum in those days, Sec Con-MERCE.

This executive Custom on the Export of unmanufactured This executive Custom on the Export of unmanufactured Wood, fet our People to the mixing it into Cloth them-felves——In which they secceeded so well, that towards the Close of the fixteenth Contarty, under the Reign of Queen Eiracheth, the Exportation of any Wood at all was abicalted prohibited, and this upon poin of having the right Hand fitteds off. Sec Contra Arana.

right Hand fituck oft. See CONTRABAND.
From that time, England has been exceedingly jealous of
its 19/00 ; to prompt their Vigilance, the Lords in Parliament
are feated on 19/00-1 Packs—Accordingly, feare a Parliament but has renew'd and reinforced the Prohibition; particularly, about the middle of the feventeenth Century, the exporting of Wool was made a Capital Crimo.

exporting of Wool was made a Capital Crime.

But all thefo Precautions are ineffectual; the English
themideves, particularly about the Cealls of Suffer, making
ut of the long Winter Nights to waft over their Wools to
Frence: being fare of carrying them to a good Market, they
delpide the Penalty, with an Interpidity, that the roft of
Europe are armed dat. See Owners.

Entry as semantial as. Sec Own Lat. M. McGlert, a Name the French Meanfichers and Com. M. Golfert, a Name the French Meanfichers and Driftged meaning of the Part of the Committee of the Committ

For the divers Preparations of Wool, fee CARDING. COMBING, SPINNING, WEAVING, SCOWBING, FUL-

LING, DYING, CLOTH, &c.
Wool-Drivers, are those who buy Wool of the Sheep-

Matters in the Country, and carry it on Horfe-Back to the Clothiers, or Market-Towns, to fell it again.

Woot-Staple, is a City or Town where Wood used to be

fold. See STAPLE.

Woot Windsts, are Persons employ'd in winding up Flee-ces of Wool into Bundles, to be pack'd and fold by Weight -These are sworn to do it truly between the Owner and the Merchant.

the Metchant.

WOOLLEN Manufallery, includes the feveral forts of Commodities into which B sol is wrought; as broad Cloths, long and Bort Kerfeys, Bays, Serges, Flammel, Perspettaness, Says, Surges, Friese, Pennyllons, Stockings, Caps, Roges, Sc.—Each whereof fee under its respective Article, Capres, SERGE, FLANNEL, &C.

The Woollen Manufacture, which now makes the princi-The Wooden manufacture, which now makes the principal Atticle both in our forcign and domentick Trade, being that which furnishes the Cargoes of our Veffels, that employs our Feorle, &c. may be faid to have had its Rife in the fifteenth Century.

therificenth Costany.

"Ill that time, or Féel was all fold in the Fleece, to fuch of our Neighbours as came to fetch it— Among our Costoners, bowers, the principal was the Finning and Brahasters, and particularly the Merchants of Gastr and Zarodansers, and particularly the Merchants of Gastr and Laureius, who took off wast Quantities to fapply two Merchants, and fourth of in these two Gliets from the marketorist teat had flourifly of in these two Gliets from the marketorist teat had flourifly of in the few word like the property of the fourth of the flower of the flowe the incredible Number of Hands employ'd thereis, having fpirited up the lubabitants to revolt, divers times, against their Sovereigns, on account of certain Taxes which they refused to pay; the Seditious were at length punish'd and dispersed, and part of 'em took refuge in Holand, and the rest in

Louvain.

Thefe laft, together with their Art of Manufacturing Cloths, carry'd with 'em their Spirit of Sedition—And it was not long e'er feveral e' 'em', to avoid the Panifiment they had deferred for killing fome of the Magifirator, removed into England; where they instructed our People

moved into Engines; where they intructed our respectively.

This Establishment is refer'd to the Year 1410; from which time no Endeavours have been spar'd to keep our

Wools to ourfelves. See Woon.

The Prefident Thuanns makes this Epocha an bundred cors later ; and attributes the Effablishment of the Woollen Years later; and statishers the Ethbillimious of the Flotian Manufalturin: in Englant to Quore Elizabeth; and the Toubles about Religion which the Servity of the Dake of Alice and the Spario liquition but doccationd, and key up to long in the Low General — But wint that noble Arabet fays, is trade to be undertioned of their Fletchion Arabet fays, in the Part of the Control great Manufaltures that the Control of the Fletchion and Control of the Control we had mention of the feventeen Provinces had attempted to throw off the Spanis Yook.

As this Manufacture now flands, Dr. Devenant and Mr.

King compute the Produce thereof to be eight Millions per Annum; three fourths whereof are confumed at home, and the rest experted. See REVENUE, POLITICAL Arithmetic, &c.

So jealous are we now become of our Woolless, that be-fides the Precautions taken to use all our own Wools ourfelves; we have added that of felling em ourfelves, and of carrying em to the Places where they are required; not admitting Strangers to come and buy any in England, See NAVIGATION,

See Navioarions,
And hence the effibilithment of these famous Magazines
in Holland, the Leusus, and the North, where our Westlers
are reposted to be vended by Factors of Commissioners—
The Bingaries in Holland has changed place diverse sinces;
The Hongaries of Holland has changed place diverse sinces;
The Hongaries of Holland has changed place diverse sinces;
The Hongaries of Holland has changed place diverse sinces;
The Hongaries of Hongaries Levant is at Smyrna; and that for the North at Arch-

A Pack, or 240 Pounds Weight of fhort Wool, 'tis compated, employs fixty three Perfons a Week, to manufacture it into Cloth; viz. three Men to Sorr, Dry, Mix, and make i ready for the Stock-Carder; five to Scribble, or Stock-Card it; thirty-five Women and Girls to Card and Spin it; eight Men to Westerit; four Men and Boys to Speede it, and cight Mon to Wester's 3 boar Mon and Boys to Speake it, and Ard Quills a sight Mon and Boys to Scower, Burst, Mill or Full it, Rows, Shorr, Pack, and Profit A Fuck of large long combing Wood made into Stuffs, Serges, Sagathies, 26. for the Spanish Trade, will compley for now Week 22r Perfons a whole Waget amount to 431. stor.— Thus, 7 Combers 3 l. 10 S. Dyers 5 l. 190 Spinners 181,

#### WOR [ 379 ] WOR

A Pack of Wool made into Stockings will employ for one A rack of profit indice into securings with comprehensive Week 184 Perfons, who will care 56 l.— Thus, 10 Combers 5 l. 51, the Dyer 1 l. 61, 101 Spinners 15 l. 121. Doublers and Throwers 4 l. 10 l. 60 Stocking Westers

WORD, Vox, Vocabulum, in Language, is an articulate Sound deligned to reprefent fome idea. See Sound, Voice, IDEA, Co

In writing, a Word is an affemblage of feveral Letters, forming one or more Syllables, and fignifying fome thing.

forming one or more Syllaure, and specific control of the Carticulate of LETYER and SYLLAURE.

The Port-Royalift chem Words to be diffined articulate Sounds agreed on by Mankind to convey their Thoughts and Sentiments by. See LANGUAGE.

Sounds agreed on by manking convey ment I houghts and Sentiments by. See Lanouages.

Grammarians divide Words into eight Claffas, call'd Participle, Adverb, Conjuntion, Perboliton, and Interpoliton, 5 to one or other of which all the Words and Terms jettem; to one or other of which all the Words and Terms and Language, which have or may be invented to experie our lices, are reducible. See each under its proper Armen Words, spain, are divided into Primitives and Derinstitute; all Derinstitutes, Sample and Compound, Symonymous and Equivocal. See In MANIFAC, DARLANGAR, Which are destroyed to their Syllables, Words are further divided distinguishments, and Polyphidades. See MORGONILLARE, or the Conference of the Conference o

The Grammatical Figures of Words, Tropi Verborum, which occasion changes in the Form, &c. of Words, are Syswhich occasion changes in the form, e.g. of to one, are sys-cope, Apocope, Apolrophe, Dierofis, Apherofis, Prothe-fis, Epembelis, Paragoge, Matathelis, & See each in its proper Place, Syncope, Apocope, &c. fee also Trope nd Figure.

The Use of Words, we have observed, is to serve as sensible Signs of our ideas; and the ideas they stand for in the Mind of the Person that speaks, are their proper Significations

Simple and Primitive Words have no natural Connex with the things they fignify; whence there is no rationale to be given of them: It is by a more arbitrary Inflitution and Agreement of Men that they come to fignify any thing. Certain Words have no natural Propriety or Aptitude to expre's certain Thoughts, more than others; were that the cafe, there could have been but one Language. See PRIMITIVE.

But in Derivative and Compound Words the Cafe is fomewhat different. In the forming of thefe, we fee, a regard is had to Agreement, Relation, and Analogy: Thus, most Words that have the fame ending, have one common and general way of denoting or figuifying things; and those compounded with the fame Prepositions, have a fimilar Manner of expreffing and fignifying fimilar Ideas in all the learned Lan-

pretting and lignmying immitar ideas in all the learned Lag-guages where they occur.
For the Perfection of Language, 'tis not caough, Mr. Lacke observes, that Sounds can be made Signs of ideas; unlefs their can be made use of, to us to comprehend feveral par-ticular isings; for the multiplication of Words would have

ticular tielaga 5 fer the multiplication of Wordt would have perplaced their sig., hand every particular thing needed a dmired Nome to be fignified by., Language that a further language that the significant of the significant particular to the significant particular to the significant particular Entiter-cets; which advantageous Ulf. of Soundaw was obtained only by the difference of the flees they were made figus of § Tades Names Decuming general, which he made to find for for several Helm's und find for multiplication. See G. Extranal. The Tales of the significant particular, where

Torms. lt is observable, that the Words which stand for Actions and Notions quite removed from Sense, are borrow'd from fenfible ideas; as, to Imagine, Apprehend, Comprehend, Understand, Adhere, Conceive, Intitil, Difgust, Distur-bance, Tranquillity, &c. which are all taken from the Opebasec, Tranquillity, Éte, which are all triken from the Operation of shings freshle, and apply 40 Modes of Thinksing.——Spirit, in in primary Signification, is one more than Detenth Arnel, a McGingger. By which we may godd which filled the Minds of the first hepitness of Languages, and how Nature, from in the anning of things, manurest, faggeded to Men the Originats of all their Knowledge: which filled the Minds of the first hepitness of Languages, and how Nature, fore in the anning of things, manurest, faggeded to Men the Originats of all their Knowledge whill, to give Natures that might mank Leonous to others any Operations they felt in thornfelters, or any other lefts, the carmo or under their Gaussian, buy were frored to be further acrons or under their Gaussian, buy were frored to be

that came dot under their kenles, they were forced to bor-row Words' from the ordinary and known Ideas of Sen-fation. See SENEATION, PRACEFION, Sc. The Bad of Language in our Difficant's with others, are chiefly three : First, to make our Theughts or Ideas known one to another——This we fail in . When we ale Names without clear and diffield Ideas in our Minds. a. When we without clear and diffield Ideas in our Minds. a. When we apply received Names to Ideas, to which the common ufe

20 Throwers and Doublers 5 l. 25 Weavers and Atten- of that Language doth not apply them. 3. When we apply

em unitcadily, making them frand now for one, and anon for another Idea. Secondly, To make known our Thoughts with as much

eafe, and quickness as is possible - This, Men fad in,

eafe, and quicknets as is possible— This, Men ful in when they have complex ldeas, without having diffinch Names for them; which may happen either through the defect of a Language, which has none; or the full of that Man, who has not yet learned them. Thirdly, To convey the Knowledge of Things—This cannot be done, but when our ideas agree to the reality of

things. He that hath Names without Ideas, wants meaning in his Words, and speaks only empry Sounds. He that hath complex ideas, without Names for them, wants dispatch in his Expression. He that afeth his Words loosely and unhis Experiment. He that users his worst tootely and un-fleadily, will either not be minded, or not understood. He that applies his Names to Ideas, different from their com-mon use, wants Propriety in his Laneuage, and Speaks Gib-beriffs and he that hath Ideas of Subthance, disfarceing with the real Existence of things, to say wants the Materials

with the real Ediflects of chings, fo its wants the Maternia of true Knowledge, See Knowa range, or Castrifue, is found to the control of the control of the control of the know, and delibegoils our another in the Night, G.S. and have, and delibegoils our another in the Night, G.S. and I have the control of the control of the control of the I have del to the precent Springer.——The fired in price outs in an Army every Night by the General, to the Leatonance, or high effective of the Physics of the best of the Brigades, and they to the Adjustus y who give it first to the Tidel Officer, and streamed as we have give in the to be Tidel Officer, and streamed as we who give it first to the frield-Officers, and afterwards to a Serjeant of each Company, who carry it to the Sabalterns. In Garrisons it is given after the Gate is flust, to the Town-Major, who gives it to the Adjutants, and they to the Ser-jeants. See ROWNES.

geants. See Mounes.
Word, in Heraldive, See See Morro.
WORK-Houft, a Place where indigent, vagrant, and
idle People are fet to work, and maintain'd with Clothing,
Diet, See.
Such is Bridewell, and feveral other Places about the

Such is Bridewell, and feveral other Places about the City and Suburba; particularly that in Bipophero-freet for employing the poor Children of the City and Liberties, who have no Settlement; and that for the Parish of St. Margaret's Westmingfer, call'd the Grey-Cont Hopital. See

BRIDEWELL sed HOSPITAL BRIDWELL and HOSPITAL.

At Amberdage they have a famous Work-Houle, or Houle of Correction, call'd the Rafibusys, which, by a Privilege granted in Tool, has alone the Right of Shaving and Carting the Dyers Woods, as Brail, Santal, Campeche, Saffating the Dyers Woods, as Brail and Santal 
Each Person, tolerably strong, kept in the House, is obliged to furnish a so Pounds of rasp'd Wood for Day; and the weaker, a certain Quantity of Chips. See Rassitures.

weaker, a certain regantivor in proWORKS, Opera, in Fortification, the leveral Lines,
Trenches, Ditches, &c. made round a Place, an Army, &c.
to fortify and defend it. Sec Linx, Transic, &c.
The principal Nork in a Fortrels or fortify d'Place, foe
under the Articles Fortrive's Place, Foetsurearios,

Crown-Work,
Horn-Work,
Out-Work,
Field Work,

Field Work, J. Firen.-Fork. WORLD, Mandas, the Affembiage of Parts which compose the Universe scalled by the Grook: a zer, and by the Lating, Universe, June See University.

The Department of the World in a thing has been greatly disputed.—Plate, after Ocellus Lacanus, beld it to be exerned a and to have flow'd from God, as Rays flow from eternat; sant to liste tow of from 1000, as Fays now from the San. Artificities was much of the farme mind; he affirsts, that the World was not generated, fo as to begin to be a World, which before was none; and, in crited, his whole eighth Book of PPM; and first Book de Cath, is fpect in proving the Eternity of the World. See ETERMITY. He lays down a pre-existing and eternal Matter as a Prin-

He isys down a pre-extiting and eternal Matter as a Frinciple; and thence argues the World sternal. His Argament amounts to this, that it is impossible an external Agent, having an external passive Subject, should continue long without Action. See Aristovelland, seeming to be the fresh to end the Diffuse among so many Secti about the first fresh to end the Diffuse among so many Secti about the first.

Caufe. See CAUSE.

Caule. See CAMPS.

Epicarus, however, the' he makes Matter etereal; yet flows the World to be but a new thing form'd, out of a fortainess Concours of Atoms. See Lawretins, lib. V. See MATTER, ATOM, See. See also Executars, 182.

Some of the modern Philosophers refute the imaginary was the seed of the course of the see and the seed of the se Eternity of the World, by this Argument: That, if it be ab Eterns, there must have been a generation of Individuals in a continual Succession from all Eternity 5 since no Cause can

be affign'd why they fitcould not be generated, viz. one from another. Therefore, to confider the Origin of Things, and

he Srties of Caufes, we must go back in infinitum, i. e. there mell have been as infinite Number of Men and other lodividuals already generated, which fulwers the very Notion of Number. And if the Caufe which now generate have been produced by an infinite Series of Caufes 54 How Rall an infinite Series to fainte, to give room for new Generate.

Dr. Halley fuggetts a new Method of finding the Age of the World, from the degree of Saltness of the Ocean. See

SALTNESS, &C.

'Tis another popular Topic of Controverly, Whether the World be finite, or iofinite? See the Arguments on both fides under the Article University.

"Tis likewife disputed, Whether it were possible for feveral Worlds to exist — Some hold the Affirmative, from an Opinion of the infinite Power of the Deity; it being a fet-

Apmono in the instinct rower of the Delty a libeling skitting Bounds to Omniptonen, to first, that the created for many Budless at first, that he could not create more.

The Carriform sministin he Negative upon thefe Principles: That is it a Controllellon to fay, there are forward to the country of the co a diffance from one another, or configuous; but neither can be faid: For were they configuous, they would only

can be take 1. For were they continguous, they would only continuous on; and were they diffine, there mad be forme-thing heaveen. But what can be between? If it be extended, it is corporate) and inflead of feparating the ferres! World, will conced? em into one.

The World is formetimes divided into Ufpire, and Lower — The Lower World, or Subbaury, is the Globe of our

Earth. See EARTH.

The Upper World includes the Heavens, and heavenly
Bodies. See HEAVEN. Bodics.

System of the WORLD; see System. Soul of the WORLD; see Anima Mundi. Map of the WORLD; see Mar.

WORMS, in Medicine 3 fee Vermas. Sir Theodore Mayerne affores us, in the Philosoph. Trans. No 211. That the famed Sagar, or Remedy given by Ponteus, (a celebrated Chymical Empiric) for the Worms in Children, is fifteen Grains of Mercurius Dulcis with five Grains of Scammony, or two or three times as much Sugar, made up in Lozenges. He adds, that this Dofe, which in France purges grown Persons, is ineffectual in England to Persons of above fifteen Years old, and ought to be sug-

mented. In the fame Transact. No ris, we have Accounts of divers remarkable Operations whereby Worms were taken out of divers unfuspected Parts of the Body; the Operators beof direc musifyedhed Penn of the Body a the Operator De-ing theirly Women. Mr. Mary Hallings in their recorded as innow, for the difference of Worm had in the Pace, Gunn, Tenges, Gun, with the manages with the Adderfu, that the two kenn one of any part with the Adderfu, that the two kenn one of any part with the Adderfu, that the way the theory of the Adderfu and the Lacet, thou is it Tenges by you con the Ge Revar Deltreffu, Mrs. French y who, phering the parts at time— with Lacet, thou one from the Revenus at a time— the Adderfu and the Adderfu and the Adderfu and the Adderfu School of the Adderfu and the Adderfu and the Adderfu and the School of the Adderfu and the Adderfu and the Adderfu and the School of the Adderfu and the Adderfu an Sec Hyparines.

OCC IN PARTIES.
In Paris, & See, there are very long, stender Worms, fix or feven Yards long, bred in the Legs and other Parts of Mens Bodies: When striv'd st a certain Pitch, they put out their Heads, Necks, &c. and withdraw them (if displassed or hart) again, caasing intolerable Pains, Fevers, &c. See Arifotic observes, that all Deer have Worms under their

Arificis observes, that all Deer have Worm's under their Tongaci——Sheep's Notes often abound with them. Winner, in Chymidry, a long, winding Pewter-Pipe, which Diffillers and Apothecaries place in a Tab of Water to cool and condense the Vapours in the Diffillation of Spirits.

to cool and condente the Vapours in the Diffillation of Spirits. See Alember, Distribution, See.

Formerly, this Worm, or fomething like it, was placed above the Head of the Still, with a Refrigeratory at the upsper end of it, which is Refrid enough in the Diffilling of Spirit of Wine. See Representation.

Spirit of Wine. See REPRIGERATORY.
This the Chymids call a Serpentine. See SERPEN-

To Worm a Cable, in the Sea Phrafe, fignifies to ffreng-then it by winding a finall Rope all along between the Strands. See Cable, Sec.

20 worm a Ling, is to take out s kind of Worm from under hit Tommes s which, if he alone, would make him mad. WORM-SEED, a kind of Worm-Peneder, call'd allo Berbestra, Somes contra, Somes fauttum, Somes fauttum Korn and Abstraums, is a kind of Seed proper to delivery Worms generated in a human Body, puricularly in Children. See Works. To Won M a Dog, is to take out a kind of Worm from under

This Seed is fmall, of a brownish Colnur, an oblong Fi-

gure, a bitter Tafte, and a flrong Smell.

The Place where it is produced, is Perfis, about the Frontiers of Mufcory. It is brought to us from Aleppo, Sc. Naturalists are not agreed about the Plans that produces it. J. Bankin has a large Difference on the Subject.—Some will have it the Species of Allgranium, or Bormacod call'd Santonicum, or Marinum Abfynthum; s others will have it the Tanacerum, others the Aerotonum.

Moof. Tournefort gives us the tollowing Account of this notable Drug, in the lecond Volume of his Travels—The notatic Drug, in the recond votame or an travers— 1.16
Sementine or Worm-Pocader, is not gather'd like other Seeds
— The Plant grows in the Meadows, and mult be lee
ripen; and the mitchief is, that as it grows near to Maturity,

e Wind featters a good part of it among the Grafi, where it is loft 5 and this it is makes it fo dear.

As they dare not touch it with the Hand for feat of ma-king it froil the fooner; when they would gather what is left in the Ear, they have recourse to this Expedient—They take two Hand-Baskets, and walking along the Meadows, fweep the Baskets the one from right to left, the other from to right, as if they were mowing; by this means the

Seed is shook out into the Baskets.

It must be chosen new, greenish, of a sharp, bitter, are-maste Taste, yet disagreeable. WORMWOOD, a Medicinal Herb, among Physicians,

So. call'd Ablymbium. See Assynthium.
Wormwood-Him, Vinna Ablymbires i Ce Vinom.
WORSHIP of God, Cultus Zes, is what we usually call
Religion. See Relicion.

This Worfbip confilts in paying a due Respect, Veneration,

and Homage to the Deity, under a certain Expectation of Reward. See Gon. And this internal Refpect, Sc. to be shown and testified

by external Acts; as Prayers, Sacrifices, Thankigivings, Sc. See Prayers, Sacrifices, &c.

See Prayram, Sacrifice, Sc.

The Questiff, and form other mystic Divines, fet aside not only all use of external Worfsip; but the Consideration of Rewards and Panishments. See Quarram.

Yet, even the Heathers and a Notion, that Good did not te us to ferve bim for nought: \_\_\_\_\_Dii quamchre

Colendi funt, fays Cicero, non intelligo, nullo nec accepto al Contain fairs, 1838 Cleave, non-internal persons are every re-likin nee fperate boxo.

The School-Divines divide Worghip into divers Kinds, vize. Larries, that render'd to God's and Idelatria, that render'd to Idels or Imaget. To which the Remanifis add, Dulling, that render'd to Sinuss and Hyperdulia, that to the V rgin.

See IDOLATRY, IMAGE, DULIA, HYPERBULIA, &.
WORSTED, or WOOLSTED, in Matters of Commerce and Manufacture, is a kind of Woollen-Thread. Sue

WOOL Worsted is properly a Thread span of Wool that has been combed, and which in the Spinning is twitted harder than ordinary. See Combing.

It is chiefly afed either to be knit or wove into Stockings,

The name work of the three to be known were into Stockings, Caps, Glores, or the like. See Stockings, Cap.

The name Worfled is supposed to be borrow'd from a Town thas call d in Norfeld, noved for fact Spinning—
They who write it Worfled, do it on supposition of the Worfled being form'd from Worl, the Matter of this Thanks. Thread

WOULDING, a Sea-Term, for the winding of Ropes bard round about a Yard or Maft of a Ship, after it has been ffrengtheed by fome Piece of Timber nailed thereto.

WOUND, Fulsus, in Medicine and Chirargery, a recent Separation made in the foit or fleshy Parts of the Body, from an external Casfe, and particularly the Action of fome hard and fluary Inftrament. See Southion. bard and fharp Infirament. See Sciution.

Or, it is a Solution of the Continuity of a fleshy Part, made

by some penetrating Body; while it yet remains fresh, bloody, and without Putrefaction: By which Circumstances it is diftinguish'd from an Uleer. See ULCER.

A like Separation happening in a bony Part, is call'd a saffure. See Fracture. See also Flesh, Bone, Fratture.

All Wounds proceed either from Pancture, Incifios, or Contufion, according to the Nature and Make of the Initu-ment they were caus'd by. See Puncruze, Incision, and

Wounds are usually divided, with respect to their Cause, Wounds are usually divided, with retriect to exerc some Circomfinence, Cure, Eds. into Simple and Companied.

Simple Wounds are those made by Panchure, Incision, or Consusson separately; those of the cuter Skin, without any confiderable loss of Subdance, or hurting any remarkable Vessel; and those nor complicated with any dangerous

Symptoms. Compound Ulcers are those made both by Puncture and Compount Cleers are thele made both by Yencture and Incision at the fame time, to which is sometimes also added Contasion; those attended with great loss of Flesh, or the hart of some conficientle Vestic), and those made by encreomed Instruments, or attended with violent Symptoms. The History of a Wannel is thus delivered by Boerhaarus—Immediately upon the Solution, the avanuada Patts second

#### WRE [ 381 ] WRI

For the standard from each other. The Blood grafters out, at fiell, with from wisherest but inpop of infell; then out, the standard from the standard from the standard from the standard begins to reduce, but standard begins to reduce, but, ske, feell, and sam back, and (in great Finnel), but, ske, feell, and sam back, and (in great Finnel), but, ske, feell, standard begins to reduce, but, ske, feell, standard from the cavity greatedly fill up from the betomen powerful, and from the Gircamference to the Centre with growing. But note, thefe "Symposur-year cooling to the Natura and Caufe of the Finnel" Thus, if it he by Incline, and a stang Blood-Vielde to each, the Iramenhagis more visual as the Blood files to each, the Iramenhagis more visual standard from the standard from th

Blood tiles out impercoon; and ; and equable, and the ceut, the Flux is more moderate and equable, and the ceut, the Flux is more moderate and equable, and the

Blood of a darker Colour - If the Women with Contusion, the Hamorrhage is fmall.

with Controloo, the Hemorrhage is foull.

In Heanth, whose any large Artery is quite cut in two, in Heanth, whose any large Artery is quite cut in two, in Heanth, whose the Heanth and Otherschen about the Heanth and he Jacob and Heanth and He temporal Mufele are rarely cured; but generally bring on horrible Convulsions,

The following Wounds are commonly reputed mortal; viz. those of the Cerebellum, and of the Cerebrum, if they be deep enough to hurt the Medulla obiomata; deep Wounds be deep enough to hurt the Medulls abbungates; deep Wounds in the fipinal Marrow, effectivelly the upper part thereof; those of the Heart, Lungs, Liver, Splece, Kidneys, Pau-creas, McEntercy, Stomach, Intellines, Ed. Those of the Gava, Morta, Carvities, pulmonary, and other large Veins and Arteries. Those of the Brookin, Thorax, Disphragus; large Wounds of the Ossabagus, Tracton, and the Blacker, ed all invenom'd Wounds.

and all invenom'd Weimsi.
In young Children and aged Perfons, Weimsis frequently
prove mortal which feem'd but flight. Those Weimsis gecarally prove troublefome which happen in an ill fiate of
Body, and especially a low or bardy Diet. All Weimsis Hody, and especially a low or marcy Diet. All Womess
are reputed more dangerous and difficult of Cure in Winter
than Summer; in August than in Spring.
The Cure of Womas confish in the Uniting of the divided

Parts; which is the Work of Nature alone, and which the Chirurgeon can only contribute to by removing external Im Children to the paying Medicines familiar to the Part, call'd Vulneraries and Balfamicks. See Vulneraries and Balfamicks.

call'd Nuterories and Malfamich. See Vellaga. All, 185c. The first Ises, then, to be taken in a simple Normal, is to cleanful, and current any bettergeneous Body that may know to be the one of the North The Civity be gently wiped with Dolla dipt in warm red Wine. The Livity move to be brought together by the Bindaga or Surures; and the Normal to be covered with a Fledger dipt in Ballin of Pern, or Oil of Fueet Almoud.—The Pain thus saich, and the Symptoms removed, the Wound is to be suppurated, deterged, incarned, and cicatrized after the manner of Tumors and Ulcers. See Suppuration, Detergent, In-

mote and directs. See OUFFURATION, DETERGENT, IN-CARNATURE, CECATRISTYS, C.C.

If the Wound be dangerous, the Symptoms violent, and the Body Cacobymic, more powerfal Means are had re-courfe to; as, firl, Phileboumy, then gentle Catharites or Clyflers; then vulnerary Drinks, Apozems, and Ptifans, with Cardiacs and Paragories interpofed

In internal Wounds, Vulneraries and Alcalies do well, particularly Album Gracum, River Lobsters, Mercarials, & Fresh Wounds are cured ordinarily in three or four days, without any other Means than applying a few Drops of Balfam of Peru—Sometimes, however, Digestives are

required.

Gun that Wounds are usually the worst of all, by reason of the violent Controllin and Secretion of the Parts; which prevent their coming to Digestion for the Space of three or

In the Cure of large Wounds, Bundages and Sutures are required, to fit and dispose 'em for healing. See SUTURE BANDAGE

and HANDAGE.

WREATH, in Heraldry, a Roll of fine Linnen, or Silk,
(like that of a Tinkiß Turbant) confifting of the Colours
born in the Efturcheon; placed in an Archivement extreem the Helmer and the Creft, and immediately suppor-

tween the Helmet and the Crett, and immediately furpor-tion the Creft. See CRAFF, Ed. Neurarl Hiltory, a kind of Heet, growing in the Set, spen Rocks, and which the Wavet tearing off, caff upon Shore. In fome Places it is ufed to massure the Ground——In Normensty and other Farts they harn it, and of the African make a kind of Soudor of Salts wort, which they see in the

making of common green Glafs, to promote the Fusion or Virtification of the Matter. See GLASS. WRECK, or Ship-WRECK, in Law, &c. is when a Ship periffice in the Sea, and no Manefcapes alive out of it.

petithes in the Sea, and no Manteleapes alive out of it.
The Giviliass term it Natifyenium— The Goods in the
Ship, which are brought to Land by the Waves, belong to
the King, or him on whom he silings the Right thetero.
If a Man, a Deg, or even a Cat cleape alive; the
Party to whom the Goods belong coming within a Year and
a Day, and proving the Goods to be he, flast labare them

In divers Charters and old Writings, it appears that Wreck antiently not only comprehended Goods which came from a periffing Ship, but whatever elfo the Sea cast upon Land; whether it were precious Stones, Fishes, Sea-wood, or the like.

Thus in the Stat. Prerog. Reg. c. 11.--Rex habsbir Weeckum Matis per totum regnom, Ealenas & Sourgeones captas in Mari vel alibi infra Regnum, exceptes quibufithes

Privelegiatis leeis, &c.
This Wreck in the grand Cuffomary of Normandy, c. 17.
is call' Verech, and latined Verifoom; and in form of our
antiens Charters, Wreche, Werec, Werenche, and Stupworp, d. Sea-up-werp and up werpen. WRESTLING, a kind of Combat, or Engagement be-

tween two Persons, unarm'd; Body to Body; to prove their Strength and Dexterity, and try which can throw his Opponent to the Ground. See Exercise, Game, &c. Opposes to the Ground. See Exercise of very great Anti-quiry and Fame— Twas in use in the Heroic Age; witness Hercules, who wrestled with Antens. See Pa-

LESTRA. It continued a long time in the highest Repute ; and had very confiderable Rewards and Honours affign'd it at the Olympic Games "Twas the Cuftom for the Athlete, to amount their Bodies with Oil to give the less hold to their Antagonit. See ATHERTA, Se.

Ablancours observes, that Lycurgus ordain'd the Sparton Maids to except in public, quite naked ; to break them of their too much Delicacy and Miceness, to make 'on appear more robust, and to familiarize the People, &c. to such See Gymnasium, &c. Nudities

Nudities. See Gymnaspun, &c.
WRIST; fee Carrus.
WRIST, Breve, in Law, a Precept of the King, whereby
any thing is commanded to be done, teaching a Suit,
Action, or Process for Juffice.

Action, or Froceis for Justice.
Such are the Summoning the Defendant, taking a
Diltreft, redrefting a Differing, Se.
Writs are variously divided, and in various refpects.
Some, with regard to their Order, or manner of Grantings,
are term d Original's and other Judicital.

Original Warrs are those sent out of the High Court of

Chancery to fummon the Defendant in a Perfonal, or To-nant in a real Action, either before the Suit begins, or to begin the Suit thereby. See Pagens, Us.

Judicial Warrs are those fent out by Order of the Court
where the Coufe depends, upon emergent Occasions, after

the Suir begins Judicial Writs are diffinguish'd from Original, in that their Teste bears the Name of the Chief Justice of that

Court whence they come ; whereas the Original fay, Tofte me tph, in the Name, or relating to, the King. Writs are also diffinguish'd, according to the nature of the

Action, into Real and Perforat.—Real are either touch-ing the Possetsion, call'd writs of Entry, or the Property, call'd Writs of Right. See ENTRY and RIGHT. Some Writs, again, are at the Suit of the Party 5 fome of Office; fume Ordinary; fome of Privilege-A Writ of Privilege is that which a privileged Perfon brings to the Court

for his Exemption, by reason of some Privilege. See BRIEF, Ec The word Writ is form'd from the Saxon Writau, to write-

WRIT of Rebellion; fee Commission of Rebellion, WRITS Victorial, are foch as are triable in the Shariff's or County-Court. Sec Vicounties.

or Compy.Court. Sec Victorities.

Wait of Affigures History out of the Exchequer to authorize any Person to take a Constable, or orbat publish Officer to fize Goods or Merchandize prohibited and uncufumed, Ec. Stat. 14. a Car. 1. There is also at rife of this Namo WRITER of the Tables, an Officer of the Exchequer,

being Clerk to the Auditor of the Receipt ; who writes upon the Tailies the whole Letters of the Tellers Bills. See

upon the Tailles the mode Letters of the Telers dids. See Tally, Exchangues, Ed. WRITING, Scripture, Scripture, the Att or Act of fighting and conveying our lides to others, by Letters, or Characters withle to the Eye. See Characters,

WORD, Ec. Writing is now chiefly practifed among us by means of Writing is now covern parties. The Fen, Ink, and Paper. See Paper, Ink, and Paper. See Paper, Ink, See.

The The

#### WYT WRI [ 382 ]

The invention of the Art of Writing in effert do Cathonic. See Levers and G of 2.18.

In Law, we fay, Deck on the wind in the in Writing — A Will may either be in Writing or by West of the West of t

€\$€. J. Ravenau has a Treatife entitled des Inferiptions en

J. Havenau has a Treatile entited des Inferoptions en fears, wherein he flews how to review and reloco old Wri-tings I smoot effaced, by means of Galli ground in white Wiger, and diffull? y and then subbld over the Writing. LaVayer has a curious Differention on the Proof of Pals by compartion of Hand Writings, wherein he endexous to free wha Michael of Proof to be very Sufficious and falla-

See Proof, &c. "Tisa Point controverted among the School-Philosophers,

1334 COME CONTINUENCE CONTINUENCE OF THE CONTINUENC those Ideas.

The common Opinion is, that Writing only represents Words, that its proper Object is the Voice, and that it only

Words, that is projec Object is the Voice, and that it only gingfined leas mediantly, or fecondarily s and by means of those, Things themselves, will have ledens, Speech, and Writing, all copuly and immediately expectediately experimental to the Writing, all copuly and immediately expectediately experimental part to Controverfy is important countries. No doubt out Ideas of Things are the Things themselves; there became not the world the second of the world the second of the world the world the second of the world the wor EXTERNAL.

And as to Writing, fome may be faid to be real, or fignificant of Things and Ideas—As the Egyptian Hieroglyphics; the Characters of Chymitts, Aftronomers, &c. which are a kind of Images, or hear fome natural Refem-blance or Analogy with the Things they are intended to exprefs. See Symbol, HIEROGLYPHIC, Real CHARACTER,

But the common Writing only represents Sounds, which is the first and most natural Language; and accordingly our Orthography is apparently form'd on, or adapted to the

The Invention of the Art of Writing is refer'd to Cadmus. Pronunciation. See OATROCAAPHY and PRONUNCIATION. Pronunciation. See On-HOGRAFHY and PROPOSICIATION.

Hence, the End of Writing is to excite, as it were, certain Sounds, which have been made the arbitrary Signa of certain Ideas—This they do by writue of a Combination or Afficiation between fach and fach Figures made with tha Pen, and fach and fuch Inflexions of the Voice.

Pen, and lach and ucen innessons or the voice.

In effect, we have a great many curities Words which
have no Ideas belonging to 'em' a sa keindapfus, Bladri, &c.,
which tend no further than to produce Soundle—Add,
that People when they begin to learn to read Writing, take it from Sounds which they hear produced by the Person who teaches 'em: An abandant Argument, that Writing does not immediately fignify Ideas and Things, but first Sounds, and then Things.

Short WRITING; fee BRACHYGRAPHY.

Sweet WRITING; fee CRYPTOGRAPHY, CYPHER, &c.

Julice. For it they could have been taken alive, they must have been brought to the King is and if they for fear of being apprehended, did defend themselves, they might be Blain, and their Heads brought to the King i, for their Head was no more to be accounted of than a Wolf's Head. LL. Edwin Laund, fol. 12, and Braff. lb. 3, artls. a. cap. 11. See Urtaway. Wolfofead and Wulferford, are all Coke on Littl. fol. 28-

WYCH-Honje, a House in which the Salt is boiled. See

WIDRAUGHT, a Water-Courfe, or Water-Paffage; wroperly, a Sink, or Common-Shore. See CLOACA. WYRE, antiently denoted a Farm, Hamlet, or little Village. See Farm, Hamlet and Village.

WYTE or WYTA, WITE or WITA, in our antient Caftoms, a pecuniary Penalty or Mulch. See Wite. The Saxons bad two kinds of Punishments, Were, and

Wyte; the first for the more grievous Offences. See Wars.
The Wyte was for the left beinour ones.——. t was not fixed to any certain Sum; but left at liberty, to be varied according to the Cafe.

WYTHE, in Law, the fame as Waif. See WAIP.



# X.

A double Confonant, and the twenty-second Letter in the English Alphabet. See LETTER,

Loute in the English Alphabet. See Letters,

Counseauxy, Alterhauxy, Company,

The so of the Latins, and got the Greeks are
composed of e.g., and s.g. where, to this day, the
Letter sin the English and French has the fame-Boand with
e.g. or k.t.—Thouse yearoness, the fame-Boand with
e.g. or k.t.—Thouse yearoness, the fame-Boand with
the Hatlant was on a stall in the Language; but,
both Speak and write Milliants—The Opmarist preconnects the a life. The Particular generacy with the see A.

nounce the stilke our e betwee 4 yes. Altessand, as it it were Altessand. The Portuguese pronounce it like our fo. In foreign Words used in English we formetimes forten the sin to a double 5; as Emplish for Brusselles, &c.

The Letter is not known in the Hebres, or other Oriental Languages; but in licu of it they write the two finish electers whereof it is compounded. — And the like do the

modern Germans. X is alto a numeral Letter, and fignifies ten; as repre-fenting two V's placed one a-top of the other. See V.

#### X Supra denos numero tibi dat retinendos.

When a Dash is added over it, X, it fignifies ten thousand.

XENIA, in antient Castoms, were Gifts or Prefeats made to the Governours of Provinces by the Inhabitants

thereof. thereof. The Werd occurs pretty frequently in Charters of Privi-leges, where, Raintoi elfe a Xenin, denotes an Exem-ption from making fuch Frefens to Kings and Queens upon their travelling through fuch Precacit. See Muurus, 86-XENDODCHUS, as Exclesished Olice on the Oracle Church; the fame with Hofbitalter, or a Parlion who takes are of the Reception and funratiamient of Strangers. See

HOSPITALLER.

St. Hidere, a Prieft and Solitary, furnamed the Xenoslo-chus, fiv'd in the IVth Century——He was thus call'd, because entrusted with that Office in the Church of Alex-

Audria.

XEROPHTHALMIA, a kind of Ophthalmia, wherein the Eyes itch, and are red, but without swelling or watering. SEC OPHTHALMIA. The Word is compounded of Esper, dry, and optidapes,

Eye.

XEROPHAGIA, Xerophagy, in Church-Hiffery, the ufe of dried Foods. See Food. In the first Ages, some not contented with simple Fasting,

In the fift Ages, teme not contented with fimple Falfing, added the Xerophagy therets o phthaining not only from Fleth and Wine, but allo from all freth-faceulent, and vinous Frein:—And fome even brought themfeltes to bare Bread and Water. See Farriso and Assylvance.

\*\*Teruillian in his Book de Adjanutia, o.g., peaks of the Xerophogia as a thing commendable in time of Perfections.

The Word is farm'd from Eughs, ficeus, dry, and palya, XESTA, Eigns, an Assic Measure of Capacity. See MEASURE.

XIPHIAS, a ficry Meteor, in form of a Sword. See

It differs from the Acontist, in that this latter is longer, and more like a Dart; and the former shorter and broader

and more like a lart; and the former informer and oronger in the middle. See Aconvirus.

XV.VIR. Quindesinver; see Quindesinvers. make use of such Abbreviations, which the Antiquaries, make use of such Abbreviations, which they borrow from Medals, and other Monuments of Antiquity, where those Names are so

express a.

XYLO-ALOES, in Medicine, &c. the Lignum Aloes:
call'd also Δgillachum. See Acots and Αστικος μυμ.

The Word is compounded of ξυλου, Lignum, Wood, and

on, Alexandromen, a Name which Naturalith, Ec. gives XYLLO, Raighness, a Name which Naturalith, Ec. gives to the Wood of the Tree which yields that precises Gam known to the Latinty by the Name of Both and Gilistds. See Basen. We have Brackets of this Tree brought us from Garren We have Brackets of this Tree brought us from Garren They are very fleight, briefly, neconal, and fall of Racus y We call whithin, The West Allerman of Hard Tree Hard States as agreed the final refembling that of the Balin. The No. 10 of the Table States of the Capter In The No. 10 of the Table States of

The Xyle-Salfamum is repated good to strengthen the Brain, and Stomach, and to expel Poison.

The Word is compounded of Forst, Wood, and Barrauer,

The Word is compounced of years, wood, and measures.

Saliam, Ballam a Feat among the antient distrations, infiltrated on creation of Theftar's uniting all the perty communities of Attics into one Common-wealth; the Atlemblies whereof were to be held at Arbent, in the Prytaneum. Scc FEAST.

The Word is form'd of the Greek Eier or our with, and I inhabi ozzie, I inhabit. XYPHOIDES, in Anatomy, a Cartilage at the bottom of the Sternum; call'd alfo Enfformis. See Cartilage

AMELINGAME.

It is about an loch loog, and shaped like the Point of a Sword; whence is Appellation, from \$ipOr, Sword, and \$600; Figure. See Sternaum.

XYSTARCHA, in Antiquity, the Master or Director of the Xystu. See Xystus.

the Kyllati. See Xxervs.
In the Greek Gymnafium, the Xyflarcha was the fecond
Officer—The first was the Gymnafiarcha.
The Xyflarcha was his Lieuterant, and presided over the
two Xyfi, and all Exercises of the Athleta therein. See

two April, and all Exercises of the Addition trector. Occ GYMNATUM and GYMNATUM and GYMNATUM. CANNOT A STARCE.

XYSTUS, in the antient Architecture——A Applus, among the Grackit, was a long Fortier, either open, or coverd over a wherein the Albeite postified Wreiling, and Running. See Athleta by Wrestling, Egg. Running. See ATHLETA, WRESTLING, Co. The Gladiators who practifed therein, were call'd

The CHARLETON WHO PRECINCE QUEEEN, WERE CALLED AT THE AMOUNT OF THE PROPERTY O fave, rub.



The twenty-third Letter in the English Alphabet, borrow'd originally from the Greek v. See LET-

borrow'd originally from the Greek w. See LET.

The mand Alfranash Bort. Yowel, and Confonent—As Yowel, forme Authors have judged it unnecellary in our Language, in regard its Soand in precifying the fame with that of the i. Accordingly, it is but little utied except in Words borrow'd from the Greek, to denote the conformation of the conformati

ufed except in Words berrow'd from the Greek, to denote the Origin, by repreferring their 2-leaves in from Words The Vowel 5, however, has a place even in from Words from the Origin, fraging, fraging, fixed and at the end, as in 16,9, 8%:

Some skribe the use of the 9 in pare English and French Words, and those that have no 9 in Latin or Greek, to the third words and those that have no 9 in Latin or Greek, to this that settlement when the word with a doubtle in which having formerings always the in, the y was fub-line with the settlement of the Words were pronounced with a doubtle in which having formerings always the in, the y was fub-line with the words.

13 which having tomectining sakward in it, toe y was no-different in light either of. See 1.

Others (ay, that those Words being antiently wrote, as well as pronounced with a double ii, which they fill are in the Walloma, as paring, parifam, See, to avoid their being mittaken for an a with two Dess over it, they made the second i leager tor an a with two Dets over nightcy made the tecons I songer that as the first, and fo form'd the y—Sonone give a particular Reafon why Words ending in i, came to be wrote with 3 y cit. that the Copflit found the Tall of the y erry commodious or adorn the Margins and Bottoms of Pages withal. When they follows a Conformant, it is a Vowel, and when it precedes a Vowel, it is a Conformant, and floud be call'd

and not sey. The Romans used the g for the Vowel ss, which they had not 3 their way being to promunee the common as as w

do the Dipthong on; and the Greek whiter as the English

and French u. and PURION II.

In our own, and fome other modern Tongues, Authors
begin to diffense more and more with the precife Orthography, which requires all Words that have an Ophion in
the Greek to be wrote with a y. And with readon; fince
out Greek y has loft the Sound it had in the Language out Greek y has tost the Sound it had in the Language whence we borrow it. But 'tis certainly ridiculous to ale it, as many do, in Words which indeed have a Greek Origin, but have no n in the Greek; as in Eelippe. See Ecl. 1881, ECLIPTIC, Je. Y is also a numeral Letter, fignifying 150, or, according to Ba: onius, 150; as in the Verse:

#### V dat Centenos № auinaugeinta Novenos.

When a Dath was added a top,  $\overline{Y}_i$  it fignified  $s_i$  or then fand. Pythipmer side the Y as S ymbol of human Life  $s_i$  the Exact repreferingle influency, and the followed Top, the town Exact representation influency, and the followed Top, the town are to more upon after attaining to the Age of Difference are to more upon after attaining to the Age of Difference are to more upon after attaining to the Age of Difference are to make a south and the Age of Difference are to the Age of Difference and the Age of Difference are to the Age of Difference and the Age of Difference are to the Age of Difference and the Age of Difference are to the Age of Difference and Top of Difference are to the Age of Difference and Top of Difference are to the Age of Difference and Top of Difference are to the Age of Difference and Top of Difference are to the Age of Difference and Top of Difference are to the Age of Difference and Top of Difference are to the Age of Difference and Top of Difference are to the Age of Difference and Top of Difference are the Age of Difference and Top of Difference are the Age of Difference and Top of Difference are the Age of Difference and Top of Difference are the Age of Difference are the Age of Difference and Difference are the Age of Difference are the Difference are the Age of Difference are the Age

to live at Sea--They are feldom used but to fail on Rivers and Canals.

The Word feems derived from the Dutch Iacht, hunting, y reason of the ligatects of these Vessels. Funding, by reason of the ligatects of these Vessels.

YARD, Virgs, a long Measure used in England, and Spain; chiefly to measure Cloth, Stuffs, &c. See Mr.a.

The Englife Tard contains three Poot, See Foor. It was first fested by Henry I, from the length of his

own Arm. See VIRGA.

The English Tard is just feven Ninths of the Paris Ell; fo that nine Tards make feven Ells.—To reduce Ells, fo that nice Torids make leven Elle—To reduce Ells, therefore into Tarids, tay, life teven Ells give nice Tarids, thow many Tarid will the given Number of Ells give? Tarid are converted into Ells Plennip, by adding a third part; into Ells Digitib, by fablitacting a fifth part; into Ells Digitib, by fablitacting a fifth part; or enliphing by s, and caining of the right-band Figure—Ells English are converted into Tarids, by adding a fourth of the Tarid Bourter. See

The Spanife Tard chiefly used at Souil, is, in some Places, call'd Barra——It contains \$2 of the Paris Ell; so that

17 Ells make a4 Spanife Tards. YARD, in Anstromy, the Penis, or Virile Member; fer-ving for the evacuating of the Urine, and Seed. See PENIS; fce alfo Uning and SEED.

YARD-Land, Virgata Terra, or Virga Terra, is a cer-tain Quantity of Land, various according to the Place— At Winsbleton in Surrey, it is only 15 Acres 3 but in most other Counties it contains 20, in forme 24, in forme 30, and in other 40 Acres. See Acre.

Virgata Terre continet 24 Acras; & 4 Virgate confi-tuunt uvam Hidam, & quinque Hida confituum Frodum Militare. MS. Abbot Malmel. See HIDE, KNIGHT's Fee,

Hister. Mb. Abbot mannet. See Hide, Knight's Fee, CARRUCATA, U.C. Yards, or Sail-Yards, of a Ship, are long pieces of Timber, tapering at each end, fitted a-crofs the feveral Mafts to carry the Sails. See Masr.

The Sails are faften'd to the Tards at the Heads; fo as to be heifted up, and let down together with them, by Ropes call'd Halliards. See Sail and Halliards.

The Main Tard, see, are those of the Mizzen, Ec. See Mizzen, Bolt-spin Tard, Sc. are those of the Mizzen, Ec. See Mizzen, Bolt-spin Tara, Ec.

They have feveral Phrases and Words of Command re-lating to the Management of the Tard; a - Brace the Tard, which figuises to traverse as the Tard Arm whose Brace is baled ; fo that to traverse the Tard, is the same as to fay, Brace it aft. \_\_\_\_\_Square the Tard, is as much as to fay, fee that it hang right a-cross the Ship, and one Tardm not traverfed more than the other .- Top the Tards, q.d. make them hang even Y ARD's-Arm, is that half of the Tard which is on either

fide the Math, when it lies athwar the Ship.

Yanns are alfo Places belonging to the Navy, where the Ships of War, &c. are laid up in Harbon. See Navy, Hannous, Sur, &c.

HAADON, SUIT, Ef.
The King's Tard, see Chatlant, Depland, Wolwick, Porfilmont, Sourceall, Plimanch, and Illerwork; each of Porfilmont, Sourceall, Plimanch, and Illerwork; each of the Chatland, and Chrising, Fastes for the Building, March, Lander, Cleaning ha Maceily's Ships. See Does, Walaan, Ed. Leuing ha Maceily's Ships. See Does, Walaan, Ed. Leuing ha Maceily's Ships. See Does, Walaan, Ed. Leuing, ha Maceily's Ships. See Does, Walaan, Ed. Leuing, and the Chen, See Ships. See S

CABLE, &c. YARE, among Sailors, implies as much as, nimble, ready,

quick, expedici Hence, to Be Tare at the Helm, fignifics to fet a fresh

Hence, no Let any as the sample, generally Relating Chorn, &c. YARN, Span Wool. See Wool, Spinning, Clorn, &c. YARRINGLES, or YARRINGLES, kild of Reel, or inflremous with white Hapks of Yarn are wound in Clows, or Balls. See Rell.

YATCHES, Vesicls with one Deck, carrying from 4 to 14 Guns, with from 20 to 40 Men; being of Burden from 30 to 160 Ten. See VESSEL.

They draw little Warer, and are used for running, and ma-king floor Teps, 45c.—Their Makes and Porns are various. YAWES, in the Sea\_Language.—A Soip is faid to make Tswer, when through the fault of birm at the Helm, file is nor kept iteady in her Course; but makes Angles in and See HELM. To prevent this, the Conner cries to him at Helm, Steady,

To prevent rus, the Lower crists of the Actin, oreasy, Seady. See Conner.
YAWNING, Opitatio, an involuntary opining of the Mouth, occasion'd by a Vapout or Venefity, endeavouries or cleape; and generally winteffing an informe Westinefs, or a ballonation in Sloen.

an Inclination to Sleep.

The Remedy Hippocrates preferibes against continual Tawnings, is to make long Be cathings, or Respirations-The fame he recommends against the Hiccough. See Hic-

The nervous Membrane of the Oef-phagus is the Seat of Taxoning, which is certain to be produced whenever any irritation determines the Spirits to flow thither in too great abundance.—The Cause of the Irritation is supposed to be fome troublesome Humour werting the inner Membrane of the Osfophagus; which Humour proceeds either from the Glands spread throughout that Membrane, or from acid Vapours arising from the Stomach, as from a Boiling Pot, and which condense on the Sides of the Originary as on a Pot-Lid.

On such occasions, the nervous Fibres of the Membrane of the Guller being irritated, dilare the Guller; and the

Mouth is conftrain'd to follow the fame Motion, as being lined with the fame Membrane.
YCONOMUS: fee Oxconomus. YDRARGYROS, Hydrargyros, or Quickfilver; fcc MERCURY.

YEAR, Annus, in the full extent of the Word, is a System or Cycle of several Months; usually sueles. See CYCLE and MONTH Others define Tear, in the general, a Period, or Space of Time, measured by the Revolution of some Calestial Body in its Orbit. See TIME and PERIOD.

Thus, the Time wherein the fixed Stars make a Revolu-

tion, is call'd the great Tear. And the Times wherein tion, it call'd the great Fave. And the Times wherein Spepter, Starra, to Kan, Mono, Ko, Ghoth, Chen, Choulton, and return to the fune Point of the Zeolist, are reflectively called the Tarra of Springs, and Starra, the Solar, and the Jamar Teart. See Sun, Moon, PLANET, E. Older YLAN, Jamar YLAN, E. See Sun, Moon, PLANET, E. Older YLAN, Jamar YLAN, E. See Sun, Moon, PLANET, See Mary Park of the Star Farra or the Space of Time wherein the Sam moves that the Collecture of Califful, Blandskini, and Australia. The Control of Califful, Blandskini, and Australia.

Line, by the Oblervations of Coffini, Bisanbini, and to latters, contains 9/5 Days, Hours, and 49 Minates) which is the Quantity of the Tear affirmed by the Authors of the Graperius Calender. See Solar Xan. Bat, in the Civil, or popular Account, this Tear only contains 9/5 Days; accept every fourth, which contains 9/6. See Civil Xan.

The Viciflitude of Seafons forms to have given occasion to the first Institution of the Year. Man, naturally c -Man, naturally cu was the proximity and diffunce of the San; and upon this, gave the Name Tar to the Space of Time wherein that Luminary performing his whole Coarfe, return'd to the fame Point of his Orbit. See SEASON.

And hence, asit was on account of the Scafons, in a great measure, that the Year was inflituted; their chief Regard and Attention, was, that the fame parts of the Year should and Attention, was, that the tame Scalons 5 i.e. that the be-ginning of the Thor fhould always be when the Sun was in the fame Point of his Orbit; and that they should keep

pace, come round, and end together.

This, different Nations aim'd to attain by different ways ; making the Tear to commence from different Points of the Zodiac; and even the time of his Progress different. that fonce of their Tears were much more perfect than others, but none of them quite just; i. e. none of them but whose Parts shifted with regard to the Parts of the Sun's

"Twat the Egyptians, if we may credit Heradorns, that fith form'd the Tear, making it to contain 360 Days, which they fabdivided into 12 Mont

they underwise into 12 Hooma.

Mercury Tripinggifus added 5 Days more to the Account
—Acd on this teoting, Thate's is faid to have infiltuted the Tear among the Greek. The 'that Form of the
Tear did not hold throughout all Greece—Add, that
the Jewith, Syriam, Roman, Perflan, Ethiopic, Arabic,
See Tears, were all different.

Sec. Tears, were all different.

In effect, confidering the poor State of Aftronomy in those Ages, 'tis no wander different People should diffagree to clicks, when wonder different People should diffagee in the Calculus of the Sun't Courfe—We are even affured by Diod. Sixualis, Lib. 1. Planch in Noma, and Pling, Lib. VII. c. 48. that the Egyptian Ten't itself was at first very different from that now represented. See Egyptian YEAR, Roman YEAR, Joseph YEAR, Society YEAR, Society Stark, Society S

# Various Forms of Solar and Lunar YEARS. Solar YEAR is the Interval of Time wherein the Sun fini-

flies his Course through the Zodiac; or, wherein he returns to the same Point thereof whence he had departed. See Sun. to the same roint thereof whence he and departed, see Sun.

This, according to our Account, is 365 Days, 5 Hours,
49 Minutes; the fome Aftronomers make it a few Seconds,
and fome a whole Minute left; as Kepter, for inflance, who makes it 265 Days, 5 Hours, 48 Minutes, 57 Seconds, 39 Thirds: Ricciolas, 365 Days, 5 Hours, 48 Minutes; and

India: Receiving, 549 Days, 5 Hours, 48 Minutes; and Tycko Brabe; 65 Days, 5 Hours, 48 Minutes. The Solar There is wither Afronomical, or Civil.

The Solar Afronomical Yean is that determined precisely by the Observations of Afronomy; and is of two kinds, Tropical, and Solarial or Afral.

The Tropical, or Natural Y 2.1s, is the Time which the Sun employs in paffing through the Zodisc; which, as before

San employs in paining infrouga inc. Zodisc 3 which, as before observed, is \$67 Days, \$1 Mours, \$49 Minatos.

The Siderial or Affred YEAR, is the Space of Time wherein the San going from any fixed Star, teturns to time wherein the San going from any fixed Star, teturns to Time wherein the San going from any fixed Star, teturns to Time wherein the San going from any fixed Star, teturns to time.

Sec SIDERIAL. Civil YEAR is that Form of Year which each Nation has contrived to compute Time by : or, the Givil, is the Iro-pical Tear confider d as only confifting of a certain Number of whole Days; the odd Hours and Minutes being fet afide, to render the Computation of Time, in the common occato reader the Comparation of Time, in the common occa-fions of Life, merceasly. See Civil.

Hence, as the Tropical Year is 565 Days, 5 Hours, 49 Minutes, the Civil Year is 365 Days. And hence, also, as 'this necessary to keep pace with the Heaven, it is required that every fourth Year conflict of 566 Days.

Hence, lastly, the Civil Tear is either Common or Biffextile.

The Common Civil YEAR is that confifting of 365 Days This, therefore, has feven Months of 30 Days each, and five of 31 Days.

five of 3 Days.

Different on regard Texa at that confining of 166 Days plifferent or extended on a whole the confining of the days of the five remaining of Bifferent Days. See between the text of the five results of Bifferent Coffer, who, to make the Guilt was first appointed by Failint Coffer, who, to make the Guilt was first appointed by Failint Coffer, who, to make the Guilt was first appointed by Tailint Coffer, who, to make the Guilt in four Texas, make a whole Days, and be added after the adjust Texas, make a whole Days, and be added after the gold of February, which was their faith of the Calculot of adjust Texas, which was their faith of the Calculot of Saylor Texas, which was their faith of the Calculot of Saylor Texas of Saylor Texas of the Calculot of Saylor Texas of Saylor T March.

Hence, as, in that Tear, they recken'd this Day twice over, e had bis fexto Calendas; the Tear itfelf came to be call'd Bis Sextus and Biffextile.

Bit Nextst and Etypestrie.

The Intercalary Day, however, among us, is not got in by telling the 24th of February twice over; but by adding a Day after the 28th of February; which by this means, that 22ar, comes to contain 29 Days. See Bissextim.

A further Reformation in this Tear was made by Pope

egory. See Gregorian Yuan.

Lunar YEAR is a System of 12 Lunar Months See Lunar Hence, from the two kinds of Synodical Lunar Months there arife two kinds of Lanar Years, the one Aftronomical

Lunar Aftenomical Yuan confifts of twelve Lunar Sy-nodical Months; and therefore contains 354 Days, 8 Hours, 48 Minutes, 38 Seconds, 11 Thirds. See Synopical. Lunar Civil Y nan, is cither Common, or Embolimic

Librar Givil Lan, is either Common, or Embolimic.
The Common Lunar Year confils of twelve Lunar
Civil Months; and therefore contains 314 Days.
The Emporimate or Intercalary Year confilt of 13
Lunar Civil Months; and therefore contains 384 Days. See

EMBOLIMIC. EMBOLIMIC.
Note, as the difference between the common Lunar Civil
72ar and the Tropical 72ar, is 11 Days, 5 Hours, and 49
Minarcas; to have the former keep pace with the latter,
there are 34 Months of 30 Days, and 4 Months of 32 Days
each, no be inferred in every 10 C Lunar 72ar; which fill leave behind can an Appendix of 5 Hours, at Minarca, which

in fix Centuries make nearly a day more. Thus far we have confider'd Thars and Months with a rich to the Principles of Afrenomy, whereon the division is founded. By this, the various Forms of Civil Tears that have antiently obtain'd, or fill do obtain, in divers Nations, are to he examined.

#### Various Forms of Civil YEARS.

Antient Roman YEAR, was the Lunar Tear, which, Amison Rumm Ya. S., was the Lumar Tare, which as first level by Romania, only consisted of ren Monshy, for level to J. Romania, only consisted of ren Monshy, and the J. S. D. Schmidt, S.

Nums Pompilius corrected this irregular Conflictation of the Tear, and composed two new Months, January and February, of the days that were nied to be added to the former Tear-Thus, Nama's Tear confifted of twelve Months,

mer Zier.—Thus, Nignas's Zier confiled of welve Moothis, 6: 1. Jenuary, continuing s.D pays! 1. February, 18°, 5: March, 3: 1, 4. dpt.l. 3; 5. Moy, 3: 1. 6. June, 3; 5: March, 3: 1, 4. dpt.l. 3; 5. Moy, 3: 1. 6. June, 3; Olfotor, 3: 1, 1. Neconder, 9: 1. 9. Defember, 3; 10 5/20 Dys, which excecds the quantity of a Lunar Civil Tent 5/20 Dys, which excecds the quantity of a Lunar Civil Tent 5/20 Dys, which excecds the quantity of a Lunar Civil Tent 5/20 Dys, which excecds the quantity of a Lunar Civil Tent 5/20 Dys, which excecds the quantity of a Lunar Civil Tent 5/20 Dys, which exceeds the quantity of a Lunar Civil Tent 5/20 Dys, which exceeds the pays the pays of the company of the control of t

common Solar Tar by ten Days, so that its beginning was vague, and unfix'd.

Names, however, defiting to have it fixed to the Winter-Soldtice, ordered as Days to be Intercalated in February every second Tar, as every fourth, as every fixeb, and 23 every eighth Year

But this Rule failing to keep Matters even, recourfe was bad to a new way of Intercalating ; and inflead of 23 Days every eighth Tear, only 15 were added; and the Care of the whole committed to the Pontifes Maximus; who, Fffff

neglecting the Trust, let things run to the atmost Confusion. And thus the Roman Year stood till Julius Cafar fution. And thus the Remain Test moon till Julius Cafar-made a Reformation. See Julius Yaan. For the manuer of reckning the Days of the Roman Mentics; fee Calenns, Nones, and Unis-Julius Yaan is Solar Zeer containing, commonly, 365 Days; the every fourth Test, call d Biffestile, coa-

s 366. The Months, &c. of the Julian Tear fland thus; 1. Ja-The Monnis, Go. of the Junion scar used thus; 1. Ja-mary, 31 Days 2. February, 183 5. March, 314 4. April, 305 5. May, 315 6. June, 505 7. July, 315 8. Angell, 315 9. September, 305 10. Oldoler, 315 11. No-vember, 305 11. December, 311.— But every Biffestill Tear a days added after the 18th of February, which Month,

Ther a tayls another the South of South of South of the South of the Coulism South of South o

Yanh.

For this Form of the Zear we are indebted to Julius Coffers who, in the Contrivance threefed, was affilled by Coffers, a famous Within the Indepth by the decide of or Dave which had been lost through the fault of the Ponsificat, and to fix the beginning of the Zear or to the Winter-Sollite, made that Zear to confain of 13 Gentles, or 443 Days I which, for that reation, is well to be called the Zear of the Winter-Sollite, made that Zear reating is well to be called the Zear of the Zear o

This Ferm of the Year was used in all Christian Nations.
This Ferm of the Year was used in all Christian Nations till the middle of the 16th Century 5 and fill continues to be so not only by Serveral Nations (and among the rest by the English, Savetas, Maries, Sec.) but also by the modern Advances and Chromoters.

he fo out the state of the stat Equinoxes were greatly diffurb'd——To remedy this Irregularity, which was fill a-growing, Pope Gregory XIII. call'd together the chief Aftronomers of his Time, and concerted this Correction; and to reftore the Equinoxes to their Place, threw out the ten days that had been got from the time of the Council of Nice, and which had shifted the

5th of October to the 15th. sish of Oldeter us the 15th.

In the Zer 1700, the Error of 10 days was grown to 11 3 upon which the Proteinant States of Germany, to prevent further Confidena, accepted the Gragarian Gurrection, See Calindal, Svill, 66.

Yet is the Gregarian Tear far from being perfect 3 for whare flews than in four Centuries the foliator Year gains where the wonder that the Residence of the Confidenation of the Part of the Confidenation of the Confidenati

we have flewe that is four Centures the Julius Tair gains 3 Days, i Hour, and Minters. But 'to only the three Days are kept out in the Gregorian Tair; to that here is fill an excell of 1 Hour, a Ohinner, in 4 Centuries; which, in 71 Centuries amounts to a whole Day. See Earren. Expiries Yann, call'd all the Yann of Monthly is the Solar Tair of 169 Days, drivided fine twelve Monthly of 50 Days each, beind 5 Interestiny Days added at the

The Names, &c. of the Months are as follows: I. They, a. Paophi, s. Albyr, 4. Chojae, 5. Tybi, 6. Medicin, v. Phomenoth, 8. Photomathy, 9. Pachon, 10. Pachon, 10. Photomathy, 11. Epiphi, 12. Mejor; befide the hatege amy sussessed in the Photomathy of the Control of the Contro ni, 11. Epiphi, 12. Mighri; bethich he Jakes em; hume. Rence, as the Egytam Then, invery four Tear Iofes a whole Day of the Julian Tear; its beginning, in the Space of 40. Tear, num thro' every part of the Julian Tear; which Space clayfed, they meet again. This Tear is uted by Protesmy in his Amangel; to that This Tear is uted by Protesmy in his Amangel; to that the modelogic thereof, is of ute in Aftronomy for companion.

ring the antient Observations with the

ting the artina Observations with the modern.

The anime Experitaries, we are told by Hindows Scalins,

Eh. 1. Planerels, in the Life of Nama, and Phiny, Lih.VII.

c. 43, metallerd their Tearly by the Control of the MoneAt 64th, they were only one Month's then there; then four,

like that of the Archaestars and then is, like that of the
People of Agentusia. These harboar advantage of Tearn

from the Osganing of the World 3 and that in the Hillitys

to Tear.

Tear. We meet with force who livid 1000 or to 1000 Tear.

SEO PLETS.

But Heredotus is filent on this Point: He only fays, that the Fgyptian Year confilled of 12 Months, as we have above reprefented it. Befides, we learn from Scripture, that from the time of the Flood the Pars was composed of 12 Months?

Cham, consequently, and his Son Mifraim, the Founder of the Cham, consequently, and his Son Mifraim, the Founder of the Cham. the Egyptian Monarchy, must have had that Custom; and

it is no way probable his Defeendants should alter it-Add, that Philarar b peaks of it with a deal of Uncertainty a and an oneoc then a Report: And Died. Sicalias as only a Conjecture of I know not what Authors, whom he does not name; and who, in all probability, might have framed this Hypothelis to recentile the Egyptias Chronology with that of fome other Nations—His Words are, 'Arise d'irres vi avalor vie vive surjection mes Adyan in. &c. This Number of Years being incredible, Some undersake

oct. 2711 Nilmore of conserving money and the series of the series of the series of the series of the Nome, or Cantons of Egypt, who used a Lanar one; and that in the removest Ages here were former of the Moore, but the series of the series

who ufold a Lanur cap; and that in the removerth Agact Bare were fome who took a Revolution of the Moon, that it, a Month, for a 2rar ; and others, who finding the 2rar too flower, make it was Months, there there, and other tong. 4%. Oxforb, Allayer, Tom. II. p. 215.
A late. Analow observes, that Parro bas aftern'd of all Nations, what we have here quoted of the Egyptimits, and Nations, what we have here quoted of the Egyptimits, and when the state of the Agact Moon and the Agact Moo has teen this: All we can tay, is, that Lattanium, Droven. 19th, Lib. H. c. 15, where he gives Farre's Opinion, only repreferas him as freaking of the Egyptians.—However, 8th Angulin, as Civil. Dei., c. 1s. flows, that the Teers of the Patriarch mention'd in Scripzare, are like ours, and not one of our equal to tun of theirs; as, it appears, had been the Opinion of fome People.

Upon the Experience being fushbased by the Romans, they received the 'furiest rear'; the' with fome Alteration: For they fill retain'd their antient Months, with the wingstern two years, and every fourth Tear internal and ther Day between the 18th and 19th of Avgust Add,
that the beginning of their Tear answer'd to the 19th of

August of the Julian Tear.

This Tear thes reform'd was call'd the Annus Actiacus, as being instituted from after the Battel of Action. See Actian. Deing initiated foon after the Battel of Jellion. See ACT 18.N.
Antient Greek Yaan, was Lanar; confifting of twelve
Months, which, at first were 30 Days a-piece, then alternately 30, and 29 Days, computed from the first Appearance
of the new Moon; with the addition of ao Embelimie Month of 30 Days, every 3d, 5th, 8th, 11th, 14th, 16th, and 15th Years of a Cycle of nineteen Years; in order to keep the New and Full Moons to the fame Terms or Scafons of the Tear. See EMEDLIMIC,

Their Tear commenced at the Full Moon next after the

Sammer Solities—The Order 55.0 their Months was thur: 1. Exerciptain containing 19 Days 3. Memorillating 30 3; Bard-quality 19 1. House-level of Heavillating 19. House-level of Heavillating 19. House-level of Heavillating 19. House-level of Heavillating 30; 1. 
Exercisenie, 30-The Macedonians had other Names for their Months: fo had the Syro Macedonians, Smyrnaans, Tyrians; to alto the Cypriots, Paphians; and to the Bithynians. See Ma-

cedonic YEAR. Antient Macedonian YEAR, is a Lunar Year, only differing from the Attie in the Names and Order of the Months; first Macedonian Tear agreeing with the Attie Me-

matterion. The Months fland thus: 1. AdS, 30 Dsys, 2. Activită. 25; 3. Advină. 25; 3. Advină. 30; 4. Hieros, 32; 3. Advină. 30; 4. Hieros, 32; 3. Advină. 30; 4. Hieros, 32; 3. Advină. 30; 3. Hieros, 30; 3. Hacque, 30; 3. 10. Add 22; 11. Tepmsi S, 30; 12. Tepmsi S, 30; 12. Tepmsi S, 20; 20; 3. Advină. 25; 11. Tepmsi S, 30; 12. Tepmsi S Modern Macedonian Y zan, is a Solar Tear whose begin-ning is fixed to the first of January of the Julian Tear, with

which it perfectly agrees. This Tear was particularly call'd the Attic Tear; and the intercalary Month, after Position, was call'd normaling

or latter Polideon Antient Jewiff Year is a Lunar Test, confifting, com-monly, of eleven Months, which alternately contain 30 and 19 Days

It was made to agree with the Solar Tear either by the

It was made to agree with the Solar Tear either by the adding of 11, and sometimes is Days the End of the Tear, or by an Embelline! Month of the All t

Nore, in the defective Tear, Coffen was only 20 Days; and in the reductant Tear, Marchigan was 150. Gifted man and in the reductant Tear, Marchigan was 150. Gifted for Assault and the second tear. Embedding the common Tears, Coffee for Assault are the 3d, which is the common Tears are the 3d, which is the common tear. Coffee for Assault are the Second tear. Coffee for Assault and the Coffee for Assault and the Coffee for Assault and 
19; 5. Shebat, 30; 6. Adar, 29; 7. Festar, in the En-belimic Year, 30; 8. Nifan, 30; 9. Jiar, 39; 10. Swan, 30; 11. Ilmme, 39; 11. Ali, 30; 13. Ellai, 30; Spries Yan is a Solar Zear, having its beginning fixed to the beginning of Offiber in the Fallan Zear; from which is only differ in the Names of the Months, the Quantities

being the fame ; as follows:

being the fame; as follows:

1. Therin, and weight go not Officer, and containing; 31
Days; z. Latter Tofferin, consisting, like our November,
05; S. Camm, 31; 5. Altarc Camm, 31; 5. Shadest; 85;
6. Adar, 31; 5. Nigan, 50; 8. Adyar, 31; 9. Hastram,
05; 10. Vanues, 3; 31; A. Jay; 12; E. Mis, 50;
10. Vanues, 3; 31; A. Jay; 12; E. Mis, 50;
10. There is a superior of 565 Days, confiling of
weight in an A. Jay Sobir Pair of 565 Days, confiling of
weight in the superior of 565 Days, confiling of

recular Days added at the end. Agradia mch 3 . Ardi-factor mch are as follow: Agradia mch 3 . Ardi-safter mch 3 . Cardi mch 4 . Thir mch 3 . Marted mch 3 6 . Schabarir mch 3 . Mohar mch 8 . Mos mch 5 . A dar mch 3 to . Di mch 3 it. Below mch 3 2 . Affer

met. This Tear is call'd the Teadogerdic Tear, to diffinguish it from the fixed Solar Tear, call'd the Gelalean Tear, which the Perflant began roads in the Tear 1079; and which was form'd by an Intercalation made fix or feven times in four Tears, and then once every fifth Tear.

Trars, and then once every fifth Tear.

The Yesdepside Tear, it may be observed, is the same with Nashmassari Tear. As no the Gelastan Tear, 'tis absolutely the best and justlen of all the Civil Tear yet interacts, as being found by Calculation to keep the Sossition and Equinoxes specificly to the same days, and answering very accurately to the Solar Motionsy which no other Civil Tear does. not even the Gregorian, for want of fo commodious an Inperculation.

Arabic and Turkift YEAR, is a Lunar Year, confishing of

twelve Months, which contain alternately, 30 and 29 Days. The', fometimes it contains thirteen Months; the Names, Tho, fometimes it comminanteed mounts | includes | See, whereof are as follow: 1. Mularram, containing 50 Days; 2. Saphar, 29; 3. Rabia, 30; 4. Latter Rabia, 29; 5. Talabad, 30; 6. Latter Jounday, 29; 7. Rajab, 30; 8. Shauban, 29; 9. Samadan, 30; 10. Shawad, 29; 11. Dukkaadab, 30; 11. Dukkaadab, 30; 12. Dukygja, 29; and in the Embolimic Zenr, 50.——An Intercalary Day is added Embolimic Tear, 30.—An Intercalary Day is added everyed, 5th, 7th, 10th, 13th, 15th, 18th, arft, 24th, 26th, agth, in a Cycle of 29 Tears.

on the 29th of August of the Julian Year. Its Mouths are, 1. Mafearan; 1. Tykymt; 3. Hydar; 4. Tybas; 5. Tyr; 6. Jacatit; 7. Magabit; 8. Mijazis; 9. Ginbat; 10. Syne; 11. Hamle; 12. Habafe. Interca-

lary Days 5.

MRTONIC Test. Action YEAR,
Action YEAR,
Tradegerdio YEAR,
Todean YEAR,
VEAR, GREEK TEAT. Sec Serian Tear. PERSIAN TEST. EGYPTIAN TEST.

Sasbatte Yeas, Annus Sassarious, among the An-

New YEAR\* Dog, or the Day wherein the Year com-mesce, has always been very different, in different Nations, and yet in all bed in great Veneration.

Among the Ramont, the first and last Day were conferen-ted to Yanus in which account it was, that they repre-ferent him with two Fecos.

To them we owe the Ceremony of wishing a happy new

To them we owe the Ceremony or winning a sort of the first day was frent, they not only visited and complimented each other, but also presented Strene, and offer a Yows to the Gods for the Preferration of each other. — Lucian repeated to the presence of a very antient standing oven in his fents it as a Practice of a very antient flanding even in his Time; and refers it to Nums. See Strars, Vora, &. Ovid intimates the fame Ceremony in the beginning of his Fafti :

Postera lux oritur linguisque animisque favete Nune dicenda bono, sunt bona verba die.

And Pliny, more expectly, Lib. XXVIII. cap. r. mum anni incipientis diem letts precationibus in faultun ominantur.

The Guil or Legal Year, in Empitual, commences on the Day of the Americanition, i. t. on the 18th day of Merc's p. Collino, i. e. the first of James's, on the Merc's and James's and Jacken Xear also begins——Sow observed, that William the Congray, sharing here convol on the first of Williams the Congray, when the person of on the first of the Congray, which person with the surface of the Congray, which person with the 31th distribution of the Company, which peans with the 31th distribution of the Company, which peans with the 31th distribution of the Company, which peans with the 31th distribution of the Company of

An oparo me 2 are rockeon indo 1 arms s ulasily year. perfed both ways, as 17; \$\frac{2}{5}\$ or 17; \$\frac{2}{5}\$—Sace the Con-querey, the King's Patents, Charters, Proclamations, 26, are of sailly darked by the 2 far of the King's Reign. The Church, as to her folorom Service, begies the 2 far on the first Sanday in Advent, which is always that next St. Andrew's Day, or the cytical Procession See Advisor. The fores, as north other Nations of the Eath, had a Greil

Tear which commenced with the new Moon in September; and an Ecclefiaftic 22st, which commenced from the new Moon in March

The French Ther, during the Reigns of the Merovingian Race, began on the Day wherein the Troops were review a swhich was the firlt day of March—Under the Carlot in all the similar it began on Christmas-day 3 and under the Capetian of the Easterday, which, therefore, varied between the 2nd of March and the 23th of April.

And this is ftill the beginning of their Ecclefiaftic 2000 But for the Givil, Charles IX. appointed in 1564, that for the future it flould commence on the first of January. The Mahometaus begin their Year the Manuto the Sun

enters dries—The Perfans in the Month answering to our June—The Chinese, and most of the Indians, begin it with the first Moon in March—The Brachmans begin it with the new Moon in April; on which day they hold a Feati call'd Samues Saradi Pandaga, q. d. Feati of New Year's Day The Mexicans, according to d'Acola, begin the 28ar on our 23d of February, when the Leaves begin to grow green. Their 28ar conflits of 18 Months of so Days each; which making 360 Days, the remaining five days are frent in Mirth, and no Bulinels fuffer'd to be done, nor even any Service at the Temples .- Aluarez relates nor even any Service at the Templet. Moreve relates much the fame of the Absylineary who begin their Zerr on the 16th of Anguly, and have five tille Days at the end, which they call Pagassur. —At Raws there are two ways of computing the Year; the one beginning at the Nativity of our Leaf: This the Noraviera luft, during a Nativitate. The other in March, on occasion of the Incarnation: And The Greeks begin their Tear of the World from the first of

Trans are also diffinguished with regard to the Epo-tha's whence they are number'd: Thus, Trans of our Lord, are those reckond from the Birth of Jelas Christ, thick are now 1122. Thurs of the World are those clayfed Lord, are those reckord from the term of jelas Carrit, which are now right. Tears of the World are those elapted fines the Creation, which Statiger makes to be 59.5.
Tear of Rome, of the Hogira of Nationalize, & See the difference between these Years under the Article Evocuta. YEAR and Year, in Law, Yee, is a Time that determines a Right in many Caste, and is in some an Unexpition, and in the Darkston of the Caste Ca

Thus in the Care of an Etray, if the Owner, Proclama-tion being made, challenge it not within that time, it is

to the manner is the "Far mid Day given in Cafe of Aprel, of Defect, there have Chinn, of Noach Aprel, de Defect, there Borty och Chinn, of Noach aprel, of Defect, there have continued to the Defect of the Cate of Man for braid or wonached 5 of Protections, Effoin, in refpect of the King's Service, of a Wreck, \$6.\*

\*\*FAR.\*\*Asy and \*\*Might\*, is a part of the King's Perceptative, whereby he challenges the Profits of the Lands and Teacements of Perfora statisted for Feired Treation, or Fe.

Action of Person artisates for Peter-Fresson, or Pe-louy for the Space of a 728-7 and a Day. Not only this, but at the end thereof he may wafte the Personant of the Person of the Person of the Peter of the Lard of the Peter agree with him for the Redemption of

fuch Wafte YEARN, in Hunting, figuifies to bark, as Bengles pro-perly do, at their Prey. See HUNTING.

peely do, at their Prey. See Hunyino.

\*\*FALLOW, a bright Colour, reflecting the most Light
of any, after White. See Coroura and Liour.

There are divers yalvow Sublitaces that become white
upon werting and drying them again feveral times at the
Sean; As Was, Linner-Cloin, Co. See Eracardia.

The fame Bodies, if they be already white, and continue
- Laussinose in the Abs without being wetted 1 turn yellow.

a long time in the Air without being wetted 5 turn yellow.

Paper

[ 388 ] YOI YEO

Paper and Ivory apply'd near the Fire, become fuc-flively yellow, red, and black——Silk, when turn'd fliver, is whiten'd with the Fumes of Sulphur. See ecffively sellow, red, and I gellow, is whiten'd with the WHITE, WHITENESS, Sc.

YELLOW, in Dying, is one of the five fimple and mother Colours. Sec DYING.

For the finest Zollows, they first boil the Cloth, or Stuff n Allum and Pot-Ashes; then, give the Colout with Goud. See Goun

Turmeric likewife gives a good Tellow, the' not the beti-There is also an Indian Wood that gives a yellow Colour bordering on Gold. A fourth fort of 20-lore is made with Savoury, but this is inferiour to them all. Greens are usually made of Tellow and Blue mixed, See GREEN.

See Grans.
With 22/low, red of Madder, and that of Goats-Hair
With 22/low, red of Madder, and Thioto, Aurora,
Thought colow, Nacarata, Jabella, and Chemois-colour;
which are all Cafts or Shades of 72/low.
Palaners and Enamellers make their Tellow of Maffeot,

hield is Cerus's rais'd by the Fire; or with Oker. See ENAMEL and ENAMELING.

Limners and Colourers make it with Saffron, and French

erries, Oreanette, &c. Bramton observes, it was antiently the Custom to paint a Man's Door yellow, and firew his House with Salt; to de-clare him Traytor to his King.

The Word is form'd from the Italian giallo, or the Ger-

The Week's form'd from the Lalian gialls, or the GerThe Week's form'd from the Lalian gialls, or the GerThe Week's form'd from the Mental gialls, or the GerThe Week's form'd from the German gialls of the Control of the Control

Yatture y finalize for [1 America].

The Lalian gialls of the Hord, the fines with that
the Three are two kinds of it, the glubes and the black.

The Talbaria is very frequent Different, say the Enrica,
thing from Otherdonin in the Gall plays, or the suite of the Control

Matter ladged therein, or a Flexibude and Compression of the
the neighbouring Blood-welfulls by means swhered, the
Matter that flowld be turn'd into Gall, in taken up high the
tindense yables. So that the Eyes, finde of the Lips,
and other parts of the Mental republic of flexing the Colour,

Figure gains.

So that the Eyes, finded or the Lips,
and other parts of the Mental republic of flexing the Colour,

Figure gains.

YEOMEN, YEMEN, YOMEN, the first or highest Degree of the Commons or Piebeians of England; and those next in order to the Gentry. See Commons and Gentle-

MAN. The Tremen are properly the Freeholders, who have Land of their own; so call'd from the German Gemen, or

Gemein, that is, com Gemann, that is, common.

According to Sir Theman Smith, a Thoman is a free-born
Englishman, who may lay out of his own free Land in yearly
Revenue, to the Sam of forty Shillings Streiling.

The Themany of England are capable of holding Lands
of their own to a good value y are adjudged capable oferain Offices, as Conthables, Church Wardens, Jury-men, to

The Teamen were famous in antient times for Military

Valour, being particularly expert at the Management of tho Bow a whence the Infantry was computed chiefly of them. See ARCHEB.

In many Cases, the Law conceives a better Opinion of tificers, &c. Sec FREEHOLDER.

By a Statute 2 Hen. 4. it is enacted, that no 2 coman shall take or wear a Livery of any Lord upon pain of Impriforment, and a Fine at the King's Pleasure.

forment, and a Fine at the King's Pleafur.

The Word 200gman is ufed for Tomon in the Statue.

31 Hen. S. and in old Deeds it is formenmes written Jennan.

XEDNAM is all for a Title of Office in the King's Heafhold, of a middle Place or Rank between an Ulber and a Groom. See Ustier and Groom.

YEMEN Warners; ite was blad of the Guard YEMEN of the Guard, properly call'd Temmo of the Guard of the King's Hedy, were antiently 250 bleo of the best Rank under Gentry, and of larger Stature than ordinary; every one being required to be fix Foot high. See GUARD. At prefent there are but one hundred Transess in conftant Duty; and feventy more not in Duty; and as any of the hundred die, his Place is supply'd out of the seventy. hundred die, his riace is supply a out or the re-tail.

They go clad after the manner of King Henry the Eighth's time——They had Diet as well as Wages, when in Waiting; but this was taken off in the Reign of Q. Anne.

Their Attendance is on the Sovereign's Perfon, both at ome and abroad; and they have a Room allotted for them only, call'd the Guard-Chamber.

The Officers and Teamen are at the disposal of the Cap-The Officers and Zenures are at the difficult of the Cap-tics, but the Caption as the Appointment of the King. The Caption of Caption of the 
Bread bitter. See BREAD and BAKING.

The use of Test in Bread is but of late standing among us:

Tis not above eighty Years fince the Avarice of the Bakers first introduced it; and then it was only done by stealth—
The Pliny witnesses it to bave been used by the actions

The First was an arms of Paris, by a Decree of the Gault.

The Faculty of Medicine of Paris, by a Decree of the sath of March 1688, following maintain of it noxious to the Health of the People; yet could not that prevent its Progress. See Brea.

YEZDEGERDIC Year, an Epocha thus call'd. See

YEAR and EVOCHA.
YGROMETER; fee HYGROMETER.
YIELDING and paging, a Law-Phrase, form'd by corruption from the Saxon Goldan, and Gildan, to pay— Hence in Domestay, Gildare is frequently used for Solvere, Reddere, the Saxon G being often mistaken for a Y. Sco GELD and GILD.

GED and GIED.

YOUET'ATÂ, in Natural Hiftory, a Plant in Brafil, long sled as a Medicine in that Country 3 and lately discovered to the Europeans by a French Surgeon. It has been fince found in France, where being and decamined by M. Marchant, it appears to be a kind of

Scrophulary or Blood-Nettle

It has this remarkable Property, that it takes away from Semma all its ill tafte and finell, which Property of correcting the Infufion of Semma was unknown in the Scrophulary. See SENNA. To use this Plant, it must be dried ten or twelve days in

10 life this Fiant, it that to the state the state that the Shade, and afterwards exposed to the Sun till quite dry.
YNCA, YNCAN, or lNCA, a Name antically given to the Kings of Fern, and the Frinces of their Blood: The Word figuifying literally Lord, King, Emperor, and Royal

The King himfelf was particularly call'd Capac Trees, i. c. Great Lord—His Wife Pallas, and the Princes firmply

Thele Mea's, before the arrival of the Spaniards, were exceedingly powerful—Their People rever'd 'em to excefs, as believing them to be Sons of the Sun, and never to have committed any fault.

If any Person offended the Royal Majeffy in the smallest

done to the Room wherein the King died 3 in which, like-wife, all the Gold, Silver, and precious Furniture were imsured, and a new Apartment built for his Successor. Their beloved Wives, Domelticks, &c. likewife facificed themfelves, and were buried alive in the fame Tomb along with him. See the Hiftery of the Yacas by Garcilaffo de la

Vest.

YOAR, or YOKE, in Agriculture, a Frame of Wood, fitted over the Necks of Uxon; whereby they are coupled fitted over the Necks of Uxon; whereby they are coupled recognition, and harmed in on the Pounday, the Good Percustant, which is a third piece of Wood lying over the Neck; the Boor, whilch commaffen the Neck show; and Wirnshingt, which hold the Dow fait in the Table 3 and the Table Rigis and On-Cathir Economic thou Child and the Table Rigis and On-Cathir Economic thou Child and the Table 3 and th

the Ring and Ox-Chain.

The Romans made the Enemies they subdued, pass undor the Toke, which they call'd flib jugum mitters: That is, they made them pals under a fort of Furce Patibulares, or

Gallows, confifting of a Fike, or other Wespon laid a crofs two others planted upright in the Ground—This does, they treated 'em with Humanity crough, and fent 'em home See FURCA. The fame Menfure was fometimes dealt 'em by their Ene-

"The fame Mariare was formerines dealt' ten by their Exemise, upon the fame Octation——I have algot, liths; observes, that the Conful L. Coffini had been hird by the Orall, h. Androy detected, and may detected, and an action Coffens, was the Space which a fair of Ocean, that it, two Ocean way plough in one day. See [vozar, HIDS, Xana-Lain, U.S.
VOIDES, or Hyrorax, in Anatomy, a Base fratte et the Rost of the Touges, and competed of direct links the Cofficial Confusion with the Computer of Computer Compu

TONGUE.

#### YOL [ 389 ] YOU

It has its Name douber, and

It has in Name Gunts, and fornetimes oploately Tight olided, from in refembling a Greek, or Uffilm—Some call it Lambidden, as refembling a Lambid invered. I ambidden, as refembling a Lambid invered. I ambidden to the lambid of the lambid in the lambid on the lambid in the Rod into the Gunts of the lambid in the lambid in the lambid in the Rod into the Gunts of the lambid in the

Food into the Gullet.
It has five Pair of Muscles, which move it together with
the Tongue. See Lindua.
TPSILOIDES, or YLYFSILOIDES, in Anatomy, the
third genuine Sature of the Cranium; thus call'd from
its refembling a Greek y, or Upfilon. See STITURE.

its refembling a Grack y, or Ufflion. See Suvenx.
Some allocal its nanghebra, Lambeides.
There is afin a Bone as the Roos of the Unique call'd
There is afin a Bone as the Roos of the Unique call'd
YOLK, or Trans, in Natural Hilbory, the yellow part
in the middle of an Egg. See Eoo.
The Chicken is form'd out of, and anutifu'd by, the White
alone; till it be grown to fome bulk: After which, the
All ferevait for Nourillman, which it likewife does, in

fometimes ofersudis Tofi- part, after it is hatched--For a good part of the Talk part, atter it is hatched——For a good part of the Tilk creamins after excitation being excited into the Chicken's Bellys and being there referred, as in a Store-houle, is by the Dullan Institution, as Francic, convey d into the Gutts, and ferres induced of Milk. Williams, Ornatbol. L. 1. c. 3.

Linux excitation of the Chicken's Animal ex allo linux of the Chicken's Animal ex allo



The last Letter in the Alphabet, and one of the double Conforants, both among the La-MANT Its Pronunciation is much more foft and obtufe than the

X, which makes Laintilian call it Mollifimum, and Sua-viffmum—Neverthelefs, the Sound was not always the fame as it is now; which is but, as it were, half that of

an 5.

It had fomething also in it of the D3 but only what founded very smoothly: Thus, Meesturius was pronounced as if it had been Medsensius, Se. See D.

The Z had also an affinity with the G: Thus, Capella 5.

Z, fays he, à Grecis venit, licet etiam ipsi primo G Greca chantur. See G. Z was alfo a Numeral Letter, fignifying 2000 ; accormebantur. ding to the Verfe :

### Ultima Z. tenens finem bis mille tenebit.

When a Dash was added a-top, Zo it fignified two thoufand times two thousand.

ZAIM, a Portion of Land, allotted for the Subfiftence of a Herse-man in the Turkin Militia; call'd also Timer. See

TIMAR and TIMARIOT.

ZAIRAGIA, or ZAIRAGIAH, a kind of Divination, in

use among the Arabi. See DIVINATION.

It is perform'd by means of divers Wheels, or Circles placed Concentric to one snother, and noted with feveral

placed Concentric to one another, and noted with feveral Letters, which are brought to answer to each other by moving the Circles according to certain Rules. "I's also call'd Zeraidh, by reason the Circles of this Machine, which are Mutaraeiat, Leffak, &c. correspond to the Othe of the Planets, and the Atmospheres of each

ZEAL, ZELUS, (a.G., the Exercise of a warm, vehe-ment, animated Affection, or Passion for any thing. See

loved

Joved.

The Greek Philosophers make three Species of Zeal—
The first, of Envy: The second, of Emulation, or Imitation: The third, of Picty, or Devotion; which makes what the Divines call Religious Zeal. See Emplayron, See.

what he Driven call Religions Zeal See Extra extraction, 157Spitzbar Speaks much a Farry or Feldien call'd better
Zealman, or Zealman, which aren't sensor, the Food string
Religion of Land and the See Spitzbar
ZEDORALL, Zearna at a Reledent Rev belonged
ZEDORALL, Zearna at a Reledent Rev belonged
ZEDORALL, Zearna at the Religion of Land and the See See Rev.
Zealman is of an Altocolour, but on Armentis, birterish
rectand by many among the Altophanics, wherepost is comes to have a Place in the Crystals 1 and 1s even lad to
comes to have a Place in the Crystals 1 and 1s even lad to
ARTHRIVATION, Getting it was in the Blooch.

prevent latections by holding it only in the Mouth. See Charketinakmine, 42.

On account of its agreeable Bitter, it also is preferibled among Stomatchies a and for its fyicy Warmsh is commended in Chelica, and Hyberical Affections, for promoting the Montes, 47. See Anomarties. ZENTTH, in Althoumy, the Vertical Points or a Point in the Heaven directly over our Heid. See Varyer

and VERTICAL.

and Vertical.

Orthe Zerbiës is Point, as Z (Tab.Astronomy, Fig. 52)
in the Surface of the Sphere, from which a right Line
detwn through the Spectar's Head, patter through the
Centre of the Earth. See Vertical Office Additional Verticals. Hence, there are as many Zeniths as there are different Places on the Earth where the Heavens may be feen; and upon the changing our Place, we also change our Zenith.

The Zenith is also call'd the Pole of the Herizon, because 90 Degrees distant from each Point thereof. See Ho-

It is also the Pole of all the Almicantats, or Parallels of the Horizon, whereby the Altitude of the Stars is estima-Sec Almicantar. Through the Zenish paffeth the Vertical-Citcles, or Azi-muth. See Vertical Circle.

The Point diametrically opposite to the Zanith, is call'd the Nadir; which is the Point directly under our Foet. See

The Nadir is the Zenith to our Antipodes ; as our Zenith

is the Nadir to them. See ANTIFODES.

ZENITH diffance, is the Complement of the Sun, or

ZENTY-nighton, is the Complement of the Sun, or Sura Mordina Altitudes or what the Mordina Altitude was the World Mordina Complement of the Sun and Su unded with Afr

The Word is Greek Years.—The Poets personify it.
ZETETICE, ZETETIC Method, in Mathematics, the chied made ale of to investigate or find the Solution of Problem. See Resourcions, Investratorion, &c.
The Word is form'd from the Greek Yeris, I feek.

The antient *Pyrrhonians* were formetimes call'd *Zete-*ii, a. d. Seekers. See Pyrrhonians. ZEST, the woody, thick Skin, quartering the Kernel of

The Word is also used for a Chip of Orange or Lemmon-Peel; fuch as is usually squeezed into Ale, Wine, &c. to give it a Flavour. Hence, to Zeft an Orange or Lemmon, among Confectio-

ners, is to cut the Peel from Top to Bottom into imall Slips, nas poffible. ZETA, or ZETECULA, a little withdrawing Chamber, with Pipes ranning along the Walls to receive from be-low either the cool Air or the Heat of warm Water. See

CALEDUCT, &c. The Word is form'd either of 70 \$70, to be warm; or

The Weel is four deither of  $r_1 \ell_{10}^{\prime}$ , to be warms, or or  $\ell_1^{\prime}$ , very, to let c.

ZELGMA, a Figure in Grammur, whereby in Adjective or Verb which great with a nearer Weed, as  $l_0^{\prime}$ , by any  $l_0^{\prime}$ .

Thus,  $l_1^{\prime}$  reports with a secarer Weed, as  $l_0^{\prime}$ , by any  $l_0^{\prime}$ .

The second of the secare of  $l_0^{\prime}$  reports with  $l_0^{\prime}$  reports  $l_0^{\prime}$ .

The second of  $l_0^{\prime}$  reports  $l_0^{\prime}$  report

The Latins, it may be here observed, take a liberty in Construction, which some of the nicer Critics among the Moderns, particularly the French, will not allow in the

Moderns, particularly the Franch, will not allow in the modern Tongues. Sec Constructions.

The word Zeaguns in Greek, ζώνχως, which literally denotes a joining nogether.

ZIBETHUM, ζωνίων, in Natural Hilbory, Cives; a Perfume like Musk, contained in a kernelly Bladder in the Grein of a Civet Car. Sec Civar. ZINDIKITES, a Sect among the Mahametans, denomi-ated from their Leader Zindik, whom Grosius makes to

nated from their Loader Zindik, whom Gravius makes to be one of the Magi, and a Follower of Zinzighr. See Maar. The Zindikites believe no Providence nor RefurreDion—They own no those God but the four Ellements, and in this feafe after, that a Man being a Mixture of those fimple Bodies, returns to God when he dies.

ZINK, or Zalm, a Rind of Mineral, or Semi-metal, which forme confound with Zighnarh, and others with Spel-

See Bismure, SPELYER, Se

ter. See Bishoth, Strifts, Oc.
Others call it Femals-Antimony. See Antimony.
Zink is a kind of Mineral-Lead, very hard, white, and
brillant; and which, the not ductile enough to denomi-

nate it a Metal, yet firetches a little under the Hammer. nate it a metal, yet firetches a little under the Hammer. See Markat, Ductrillry, &c.

'The found in great Quantities in the Mises of Goffstars' in Sassony——That commonly fold is in large, thick, figuare Cakes; which would make one fulped it had been melted

when taken out of the Mine, and cast in Moulds of that Form

Form.

Zink is níed to purge and purify Tin s much as Lead is to purify Gold, Sliver, and Copper. See Leaf and the purify Gold, Sliver, and Copper. See Leaf and the company of the compan opinion was, that Zink yields precifely the fame Fumes by the Burning-glafs, as fach a Mixture does. Accordingly, he affures us, he often fubfilituted the one for the other; and this always with the very fame Effect.

and this always with the very fame Effect.
ZINZIBER Is fee GINGER.
ZIZYPHUM, a Name fometimes given to a kind of
Fruit affully call'd Julubus. See Jujuans.
ZOCCO, Zoccoo., Zocca, or Socura, in Architecture,
a fimall kind of Stand or Pedefilal 3 being a low, fquare Piece or Member, ferving to support a Bufto, Statue, or the like thing that needs to be rais'd. See Socia. The Word is Italian, form'd from Socials, a Sandal, or

igh Shoe. See Soccus. ngn once. Sec Soccess.

Zocco, or Zocle, is also used for a low, square Member ferring to support a Column, or other part of a Building, instead of a Pedestal, Base, or Pliath. See Prozestal. PLINTE, &c.

A continued Zoole is a kind of continued Pedeftal where-on a Structure is raifed; but having no Base or Cornice. See PEDESTAL.

ZODIAC, ZODIACUS, in Aftronomy, a Fafeis, Belt, or broad Gircle, whose Middle is the Ecliptic, and its Ex-tremes, two Circles parallel thereto at fach diffance from it as to bound, or comprehend the Excursions of the Sun and Planets. See Sun and PLANET.

The Sun never deviates from the Middle of the Zediae i.e. from the Ecliptic 3 the Planets all do, more or lefs.

Sec ECLIPTIC See Ecliffe.

Their greated Deviation, call'd Latitude, are the Mac-Their greated Deviation, call'd Latitude, are the Mac on account of the MacThemac of the Planets is made one or left.—Accordicyl, form make it is, form is, and fome as Degrees broad. See Latitudes. make a magnetic properties of the MacThemac of the MacThemac Angle therewish of a Edgrees and a half; of ormer pre-cision of a Edgree and a half; of the MacThemac 
ORLIQUITY and DECLINATION

The Zealase is divided into twelve Portions, call'd Signs; and these Divisions or Signs are denominated from the Constellations which antiently postess'd each Part. See Constellations which antiently pottered each Parr. See Con-STRELATION.—Beat, the Zediac being immoveable, and the Stars having a Mosion from Weft to Eafl, thole Conflellations no longer correspond to their proper Signs; whence asites what we call the Precoffion of the Equinoces. See PRECESSION

When a Star, therefore, is faid to be in fuch a Sign of the Zedase, it is not to be underflood of the Sign, or Contellation of the Firmament; but only of that wellth Part of the Zedase, or Dudrestory thereof. See Sign, Star, and DODECATORY.

The word Zediac is form'd from the Greek Care, an Animal; by reason of the Confiellations therein: Others de-

mal; by reason of the Confictiations therein: Others de-rive it from Zon. Lite; from an Opinion that the Plants have a great influence on Animal Life. Cassim has also observed a Tract in the Heavens, within whole Bounds most of the Comets, the 'not all of them, are observed to keep; which, for this reason, he calls the Zodiate of the Comets. See Comets.

ZEGRIGE (100 CAMET). SEC COMET.

This be make as broad as the other Zedige, and marks it with Signs or Conflellations like that; i.s., Antinous, Proglat, Androunded, Yaurru, Orion, the lefter Dog, Hydra, the Centaur, Scorpion, and Segittary,
ZONE, ZONA, in Geography and Aftronomy, a Dirifon of the Terrajacous Giobe with refrect to the different Degree of Heat found in the different Parts thereof. See EARTH and HEAT

A Zone is the fifth Part of the Surface of the Earth, con-The Word is Greek Jan, q. d. Belt, Girdle.
The Zones are denominated Torrid, Frigid, and Tem-

The Terrid Zone is a Fascia or Band surrounding the Ter-The Lerria Zone is a rates or nane nerconding the Irraqueous Globe, and rerminared by the two Tropies. See Thorse.——Its hreadth, therefore, is 46°, 58′. The Equator renning through the middle of it, divides it into two equal Parts, each containing 25°, 29′.

The Antients imagined the Torrid Zone uninhabitable TORRID. The Temperate Zones are two Fafeise, or Bands envi-roning the Globe, and contaio'd between the Tropics and the Antarchic Circles——The breadth of each is 43°, the Antarctic Circles-a'. See TEMPERATE.

a'. See Temperate.
The Frigid Zones are Segments of the Surface of the

Earth terminated, the one by the Antarclie, and the other by the Arclie Circle——The breadth of each is 46°, 58'.

See Arctic, Artarctic, &c.
The Difference of Zone is attended with a great divertity of Phanomena -10. In the torrid Zone, the Sun patters

of Progenera — 15°. In the veried Zinen, inc Sonn pulled herough the Zinenk voice a Year 3 and bit needs from the Departer toward the Follo which is above the Harpton, in wore a Year quales to the heighth of the Departer toward the regular of the Follo and the departer of the Follo and the departer of the Follo are the Agrant 2 and therefore to the Indibitions of the Son from the Espancer 3 and therefore to the Indibitions therefore the Son never the Son never pulses then the Zenith 5 yet if so the fairne day the Son Followship to the Son in th

rate and torrid Zones the Sun rifes and fets every natural Day, by reason the distance of the Sun from the Pole always exceeds the height of the Pole ) yet every where but under the Equator, the artificial Days are unequal, and the Inequality is the greater, as the Place is lefs diffant from the frigid Zone. See Day.

led úlfinat form the frigid Zeur. See D.M.

« Where the removante Zeur terminase on the frigid,
the height of the Polis is equal to the Bart ôffittence from
the frigid of the Polis is equal to the Bart ôffittence from
guently ence. St. ext., the Sou in its darrall Motice performs
an curie Revolution, without project down under the Harison.

"Every where is a frigid Zeur, the beight of the
Polis of the Polis of the Polis of the Polis of the Polis
Polis pand therefore during facer Revolutions of the Earth,
the Sau is at a diffuse from the Polis (this than Pelle's),
beight 3 and during all that time, does not fee, see fo
the Polis of the the Pole, as the Sun recedes from it, exceeds the height of the Pole, or Latitude of the Place; the Sun rifes or fets every natural Day. See Day, Night, Rising, Ser-TING, EG

TIMO, EG.
ZONNAR, a Term corrupted from the vulgar Greek
Ewsder, of Gorb, a Circle.
The Zomars is a kind of Belt or Girdle of black Letther,
which the Chrittians and Frees of the Levent, particularly
those in Affa and the Terrotries of the Grand Signor, are

obliged to wear; to diffinguish themselves from the Makemistans. It was Motavakkal Xth Kalif of the House of the Alass.

des that first enjoined the Christians, Sc. to wear the Zon-nar — The Ordonnauce to this effect was published in the Year of the Hegira 235. Hence, as most of the Christians of Syria, Mesopatamia,

Hence, as much of the Christians of Africa, Melephonomia, &c. are citizen Nellorington of the Girdle. See Graptic. are often call'd Christians of the Girdle. See Graptic. ZOOLOGIA, Zoology, a Discourse or Treatise upon Animals or living Creatures. See Asimal. Animals or living Creatures. See Animals.

Zoology makes a confiderable Article in Natural History;

comprehending whar relates to the Form, Structure, Mo-thod of Living, Feeding, Propagating, 56. of the divers Species of Brate Creatures. See NATURAL Highery. The Word is compounded of Con, Lafe, and 20,000, Speech,

ZOOPHORUS, or ZOPHORUS, in the antient Archi-tecture, the fame thing with the Priese in the Modera,

Sce FRIEZE. It was thus call'd in Greek, because antiently adorned with the Figures of Animals; from \( \sigma\_{or}, Animal, \) and

with the rigures of January, atom young the greeks for time also call the Zodiac, Zoophorus,
The Greeks for the Signs or Confict lating therein. See Zodiac,
ZOOPHORIC Column, is a Statuary Column; or a Column that hears or fupports the Figure of an Animal. See

ZOOPHYTA, Zoophytes, Zoothyte, in Natural History, q. d. Plant-Animal; a kind of intermediate Body, partaking both of the Nature of a Scottive and a Vegetable. Such is the Planta Pudica commonly supposed to be ; tho with little foundation. See SENSITIVE Plant.

The Antients also repured Sponges to be Zoophytes. See

The Word is compounded of Car, Animal, and guris.

Plant.
The Farms while in the Womb appears to be a real Zeofbysta; growing to the Mother by the Funiculus Umbilicalis, as Plants do to the Earth by their Stem. See Forrus. MBRYO, Ec.

Olegrius mentions a very extraordinary fort of Zoophyte

- Tis a kind of Me ng near Samara on the Volgafon fhaped like a Lamb, all the Parts whereof it has, and grows to the Earth by a Stem which ferves it for a Navel-diring. As it grows, it changes Place, as much as its Stem will allow of; and it confumes and dries up all the Grass where it grows. When ripe, the Stem withers, and the Body or Fruit becomes cover'd with a downy Skin, which may be drefs'd and afed as a Fur.

He affirms to have feen of this Skin, and that it was ever'd with a foft curled Wood like that of a young Lamb. Realiger adds, that this Fruit lives, and grows, till fuch time as it wants Grafs-In forme Accounts it is call'd Agust

Skybben, and Borganets.

ZOOTOMY, the Art or Act of Difficking Animals or living Greatures. See Dissection.

Zootomy amounts to the fame with Austomy. See

ANATOMY.

The Word is compounded of Goor, Animal, and THUTW. I cut.

Joes, J. cut.

ZOPATA, or Sapata, a kind of Feast or Ceremony
held in Italy, in the Course of certain Princes, on St. Nichelat's Day, wherein People hide Prefers in the Shoes or
Sippers of those they would do hooser to, in Such manner
as may Suprime cent the Nurrow when they come to dreft.
It is done in Imitation of the Practice of St. Nicholas, who used in the Night-time to throw Parses of Money in at Windows, to marry poor Maids withal.

Menefirier has described these Sapates, their Origin and different Ufages, in his Treatife des Ballers Anciens &

The Word Zapata is originally Spanift, and fignifies

ZOPISSA, a kind of Mixture of Pitch and Tar; fcraped off Ships that have been a long time at Sea. See Paren and TAR

This Matter by being gradually penetrated by the Salt of the See, becomes partaker of its Qualities; and being apply'd to the Body, externally, is found Refolutive and Deficeative.

The Word is form'd from \$\xi\_{ssr}\$, bullire, to boil, and \$\xi\_{ssr}\$, Pitch; \$\xi\_{s}\$, \$\xi\_{s}\$, birl's Pitch.

ZUINGLIANS, a Branch of sations Reformers, or Protestants; denominated from their Author Ularic or

Huldric Zuinglius. See Reformation.
This eminent Divine was been at Wildehaufen, in the this eminent Divine was born at Wildebusjen, in the County of Toggenbusy in Surinzerland, in 487— After having finished his Studies in Theology, and received the Doctor's Cap at Raff, in 1965, he apply'd himself to preaching; and with good Success.

Soon siter Lauber had taken g Arms sgainly Rause, Zuinglian, beling then Miniter of the chief Church in Zuinglian, beling them Miniter of the chief Church in Zuind, fell in with him preceded openly against Indian Cartain, the Committee of the Cartain and the Church of the Cartain and Chilium of the Clarge, Athionous from Hand, the Hierarchy, the Vows, and Crillium of Art on the Laubanth, interpreting hee off Corpus means of the Cartain and Wine were only the Signification, or Repredentation of the Book and Blood of Jefas Christ in which the clifferd from Lauber, who held a Cordibitation. See Levi Laubanth and Wine were only the Signification, or Repredentation Corpus, in 1973, he procured much of the external Corpus, in 1973, he procured much of the external Corpus, in 1973, he procured much of the external Corpus, in 1973, he procured much of the external Corpus, in 1973, he procured much of the external Corpus, in 1973, he procured much of the external Corpus, in 1973, he procured much of the external Corpus, in 1973, he procured much of the external Corpus, in 1973, he procured much of the external Corpus, in 1973, he procured much of the external Corpus, in 1973, he procured much of the external Corpus, in 1973, he procured much of the external Corpus, in 1973, he procured much of the external Corpus, in 1973, he procured much of the external Corpus, in 1973, he will be a supplied to the careful Corpus, in 1973, he procured much of the external Corpus, in 1973, he will be a supplied to the careful Corpus, in 1973, he will be a supplied to the careful Corpus, in 1973, he will be a supplied to the careful Corpus, in 1973, he will be a supplied to the careful Corpus, in 1973, he will be a supplied to the careful Corpus, in 1973, he will be a supplied to the careful Corpus, in 1973, he will be a supplied to the careful Corpus, in 1973, he will be a supplied to the careful Corpus, in 1973, he will be a supplied to the careful Corpus and the supplied of the careful Corpus and the supplied of the careful Corpus an NISTS, GRACE, WILL, PELAGIAN, &c.
ZYGOMA, in Angromy, a Bone, by fome call'd Os Tu-

gale. See JUGALE.

The Zogoma is no fingle Bone, but an Union or Affem-blage of two Processes or Eminences of Bones; the one from the Os temporis, the other from the Os male. See BONE.

Henry.
Thefetwo Eminences, or Apophysis, are joined together by a Suture thence call'd Zygomaticus. See Zycoon Aricus.
The Word is form'd from Zopyoust, I Joins is to that Zygoms, properly speaking, is the Juncture of those two

ZYGOMATICUS, an Epither given to the Suture that binds the two Processes of the Zygoms together. See Zy-GOMA and SUTURE.

ZYCOMATICUS, in Anatomy, a Muscle that has its Ori-gin in the Proceeding Jugalis, or Zygoma 3 and passing obliquely, is inferred near the Angle of the Lips—It helps to draw the Lips obliquely apwards. See Lips. ZYMOSIMETER, an informator proposed by Science merdam, in his Book de Respiratione, wherewith to measure

the degree of Fermentation occasion'd by the Mixture of difthe degree of Fermionation occasion of by the mixture of dis-ferent Matters 3 and the Degree of Hear which those Mattern acquire in fermioning; 3 as also the Hear or Temperament of the Blood of Animals. Soc FERMINITATION, HEAR, SEA The Word is form'd from Wisson, Fermionation, and mere, Measure.

usters, Measure.

ZYTHUM, or Zethum, a fort of Malt-Liquor, in use among the anticut Germans. See Malt-Liquor.

Marthiolus reprefents the antient Zythun and Curmi as ne fame with our Boer and Ale. See BERR and ALE.

FINIS.



# ADDENDA

To the First Edition of

## CTCLOP # DIA: Or, An UNIVERSAL DICTIONARY of Arts and Sciences, &c.

B.

BOG

O G, a moift, rotten spot of earth, which finks, and gives way to the weight of the body, formed of grafs and plants petrified by some spring; frequent, especially in Ireland.

In which fense, by amounts to much the same with what in other places are called masses, marghes, fens, &c. See Mo-

other places are cattled might, morphet, forts, acc. occ augustant and Fax. Influences for large; they diffinguish between a storf-step, called allo red-step, out of which tut for peat is duc; and a gusting-step, which will fink under a man in the place where he fitneds to a confiderable depth, and frice before and behind proportionably; undermeath, is frequently clear water, into which a seef-on flags to the mid-step, the fathers. Exhibiting-step frequently water with a seed of the peat of the seed of th

turn iuto turf-bogs

Every red by is incompassed with a deep marshy sloughy ground, called the bounds of the bay.—Horns and skeletons of mouse-deer are sometimes sound in bays fourteen soot deep. model-ofeer are foundants found in day footteen foot deep, The inconveniences of deep rate, that a confiderable part of the kingsion is readered which by them: they also keep one of from going forward. They occufion the roads to be erooked and circuitous to avoid them: they are a great derivation to cattle, the chief commonity of Irdun's which are encouraged by the grisf growing on the edges of the day to venture in, where they are loft it by are also a fielder to to venture in, where they are loft it by are also a fielder to tories and thieves. The finell and vapour arifing from them is accounted unwholfome, and the fogs putrid and flinking. Add, that they corrupt the water, both as to its colour and

 $B_{02}$  have also their uses: most of the people in Ireland have Dog new and their uses; most of the people in Irenan have their firing from them; it wood being impolitickly defitored, and little pix-coal yet discovered. The triffs could hardly do without from legs; with a natives had anciently another advantage from legs; with they means of them they were preserved from the conquest of the English; and it forms to be from the remembrance hereof, that they still chuse to build near logs,

chift to build rear lay.

For the wight and pressure of Bocs, it is to be observed, that there are few places, in the nordern words, but have forwards and the pressure of photology is to which the antient Guels, Germans, and Britton, retired when heavin, spoper to be so other, than what we received when theres, spopers of the order, than what we have a pressure of Indy, as Ligaria. In this because it is the hard to be the pressure of Indy, as Ligaria, in this because it is the hard to be the pressure of Indy, as Ligaria. In this because it is the hard to be a pressure of Indy, as Ligaria, in the first of the time, and the deficiency of a landing in Indianal, formed within our own memory, through the misteries of the times, and the deficience of a change in the control of the pressure of the times, and the deficience of the times, and the deficience of the deficiency of the conditions of the deficiency of the pressure of the pres

fhould abound with them.

To flew how want of industry causes bogs, it must be re-membered that Ireland abounds with springs; that these forings are dry, or nearly ice, in the summer-time, and that the grafs and weeds grow thick about the places where they burst out. In the winter the same springs swell again, and run and soften and loosen the earth about them; and the swerd or sours of the earth, which consists of the roots of grafs, being lifted up and made fuzzy by the water, be-comes dried again in the fpring; and does not fall together, but withers in a tuft, and new grafs fprings through it; which, the next winter is again litted up: thus the fpring is more and more flopt; and the fcurf grows thicker and thicker, till it first make what we call a quaking-bog: and as indeer, till it rittr indee water we can a guarage seg; and as a tig grows higher and dryer, and the graft mots and other vergetables become more partial, together with the mud and films of the water, it acquires a blickness, and grows into films of the water, it acquires a blickness, and grows into Mane we call a ray-fug.

What we call a ray-fug.

What confirms this account is, that day are generally found the confirms the account is, that day are generally found the confirm the latter back about them, and highest in the middle: the chief springs which easile them being commonly about

BOO

the middle; from whence they dilate themselves by degrees, as one would blow a bladder; but not always equally, becames they forectimes meet with greater obstacles on one fide, than on the other.—Add, that if a deep trench be cut through a beg, you will find the original spring, and walk quantities of water will run from it, and the beg subside; quantities of water will run from it, and the big fublice; fometimes a dozen or 15, fome even far, 30 fore—Laftly, those hills which have no fiprings, have no beg; and these which have prings, and want culture, are never without them. In brief, wherever beg are, there are great fiprings, the turn'f generally difference a vegetable subfrance, it is light, and impervious to water, while the ground under it is very

and impervious to was, and a private the previous.

True, there are fome quality by caufed otherwife; as, when a fixeam or foring runs through a flat; if the poffage be not tended, it fills with weeds in funmers, trees fall aemfs it, and dans it up; then in winter, the water fliguress frither and further every year, till the whole flat to covered a; next, there ride a cearle fail of or graf speculius to their end year, there ride a cearle fail of or graf speculius to their end year grant year. The property of the property crofs it, and dam it up; then in winter, the water flagnates weight of a man

Another cause of bogs is mos, with which Ireland abounds extremely.—That which grows in age is remarkable; the light fpongy turf above-mentioned being nothing but a con-

control and the second 
ore grazing at a much cleaper rue than has hitherto been done, by a proper conduct in the deging, of structures, particularly destricted by Mr. King—see Palay, Tanglat, N. Yan, A. Oth, Palay S. P. A. S. Mr. N. 314, p. 83, p. 84, p. 84, p. 85, p. 86, p. 8

\* The word is formed from the Saxon ber, which comes

from the Northern barels, of landsons, a bouch or fervicetree, on which our ancestors used to write.-F Atlant. P. 3. Philof. Transadt. N° 301. p. 2061. Bask may be defined more precifely, a composition of some

But may be oftened more precisely, a completion of form man of wire tearning, designed to communicate formewhat he has invented, experienced, or collected, to the public, and thence to polective; being which of a composite length to make a volume.—Full Sasilhach Scient, de Lider, Peter, 6, 8, Resima, Hab Oyle, Justy, Eder, 2, 20, Then, D. This, P. 3, Estimated and the control of the control of the control of the field, lock is addinguished the Control. In the control of the control

paper, by its greater length; and from tone or volume by its puper, by its greater length; and from zene or valence by its containing the whole wirting—lifeone makes this diffinition between fiber and colors; that the formet denotes a fingle book, the litter, a collection of feveral; it bough, accord-ing to Selper Mellist, cade explained as led in the fagares form, and the collection of feveral; it is the property of the J-Mellie Iller, Dieben, I. z. Bill, Int. I. T. z. p. 244. So callo Stalkstock Lik, itt. § 4. Relumn, abi [pper. According to the acciric, a lobe differed from an pigline, or later, not only in bolk, but in that the latter was folded way, the former only valided \*: see but that there are direct

up, the former only solide : not but that there are divers backs row extent under the mans of opilita—Fal. Phile. Sakes row extent under the mans of opilita—Fal. Phile. We fry an old feel, a new feel; a Latin, a Greek best is, the dedication, the index of a stat. See Farra e.g., Tirra, a and that more of the free feel, the third principle of the feel of the feel of the feel of the watting of transfeed—Book-bindens (paiding, and latina go of best. See Book-ing, exercity, galding, and latina go of best, See Book-

BINDING.
A large collicition of heats for use is called a library. See
Lithea New — An inventagy of a library, in order for the
Lithea New — An inventagy of a library, in order for the
Louve — Circur coll in M. Crop, while librarum, a platton,
or devourer of heats · Caza holds Plottneth · and Herma
Rairanay, Plays, the best of all size t s— Cerains · has a
Rairanay, Plays, the best of all size t s— Cerains · has a
tuliant best in heat or capital heats of each surface · Rose
utilization in the collection of the tunian's seek in lead to be in seek Life away, of Nopocrates, mafter-piece is that De Civitate Dei; that of Hippocrates, the Cearse pransimer; of Civero, de Officia; of Ariflotte, de Animalibus; of Galen, de Uju Partium; of Virgil, the fixth se destandings of Cicha, Li li Perana of Ving, the part Amelia of Henry, Le per and from 1981, of Cichalical of Henry, Le per and from 1981, of Cichalands of Henry, Le per and from 1981, of Cichalands of Landson, Landson, Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson, Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson, Landson, Landson,
Landson, Landson, Landson, Landson, Landson, Landson, Landson,
Landson, Landson,

each subject; e. gr. the best logic, best dictionary and gram mar, best physics, best commentary on the hible, or on th men, but paying, belt commentary on the hibbe, or on the inflitutes, or Genetis, or the epitle to the Hebrews; the best harmony of the Evangelist; best defence of the truth of Christianity, and the like: by which a hisrary might be composed of none but the best best of each kind.

be bifter or until a file of Booss males sho child.

composed of none but the belt basis of each kind. The biflery on suiting if Boots makes the chief part, according to fome, the whole of the literary feience.—The principal points in the notice of a basis, are its author, date, printer, aditions, verfious, comment, printer, distributions, for comment, printer, and continuatives, and the like.

entimators, and the lake.

The hithory of a feet, is either of its contests, which is given by analyting it, as is done by journalists; or of its appendages and accidents, which is the more immediate province of those called literators and biblisheariess. See

The contents of a book, are the matters delivered in it; which make the province of the author.—Of these there is one principal matter, called the sabjest; in respect of which

one pintingal thouse, where the pages 3 in respect of when the rell are only insident.

The appendages of a bask, are the title, preface, opills dedicately, fundameries, table of contents, index, and the like, which are the proper province of the editor, unless perhaps the title-page, which is frequently usuped by the book-feller. TITLE, Ge.

See TLYIN, Gr. In the emption of a load, there occur feminents, which are also the materials of it; arehol, the order wherein their are allothed, and offer wherein their are displiced; and offer, or negrigin, which is the language wherein thee are clothed. See SENTIMENT, STYLE, Gr. The piving hillither, can longuage and their properties of the control of the second of the pixel of their control atin books: Wolfius that of the Hebrew books : Boecler,

of the spincipal shell in each feitness and faculty. Structus of the shelf of history, has and philosophy the scholeshed believed to the shelf of history, has and philosophy the scholeshed believed to the shell in this own library. Le Long, of the shell of frienders: Mattaire of the shell printed before the year \$550, \$6t.—\$17d. Release. Mish. Advans. in period, \$5. 1. A. 3. \* \$9. \$24.—\$19d. Structus A. M. Strift, Ecol. (a. 4. \$1.3, \$1.3, \$1.24.—\$19d. Structus A. M. Strift, Ecol. (a. 4. \$1.3, \$1.3, \$1.24.—\$19d. Structus A. \$1.34.—\$19d. Structus A. \$1.34.—\$10d. Structus A. \$1.34.—\$19d. Struct

when of the Oct., was a sum of puninment much much as mong the Romans, by legal function: fonetimes the care of mong the Romans, by legal function: fonetimes the par-pole 1; fonetimes to the prettors 1, and fengulated on par-dials 1. Labriums, in fail to have been the first, who noderweat led Reislams, is fail to have been the first, who noderweat the feverity of I. His centeils percond 2 intentionalisms, whereby all his bets, published during feveral years, were whereby with the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the control of the control of the con-trol of the c 

unea, witness the Decalogue given to Medie, problem to double how he was any warranted account of 0 then, on the parts of plants, ε, ε, the leaves, chiedy of the gainstein of the parts o

the English fool intiff.—We may add that vegetable basics appear till in foone measure restricted for fools in certain of an appear till in foone measure restricted for fools in certain of a littery was harry discovered by the Relatins, of an united form as well as matter: the data were exceedingly long, but of so breathly the lorse very briefs, and made of backs: of the bring white, on a black ground—Fit. High. chast. R. They, T. S. P. G.

They, T. S. P. G.

They of S. P. S. P. G.

They of the processing the control blocks and tables, of which can be considered to the control of the

The first seets were in torm of blocks and tables, of which we find frequent mention in feriptires, onder the appellation feptors, which the feptoagint render stems, q. d. fpaner-tables; of which from the seet of the covenant, seet of the law, seet of which from the less of the covenant, seet of the law, seet of which from the less of the law, seet of which from the less of the law, seet of which the law of the law, seet of the law, seet of the law, seet of the law, seet of law of the law of the law of the law of the law of law of the law of the law of law rolls \chi\_called by the Greeks solution, by the Latin coloni-are, which appear to have been in all among the meints are which appear to have been in all among the meint-dines. And of fash did the librarie claim, and one in-tended of the state of the state of the state of the among us, it the fasters, composed of feparate leaves; which was also known, though little tells among the ancients, among us, it the faster, composed of feparate leaves; which was also known, though little used manage the ancients was the known, the state of the state of the state of time who also invented purchaser; 's but it has now been fo long in possition, that the cheleft managerings are found in it. Montitucous shires us, that of all the ancient Greek are the state of the state of the state of the state of the product of the state of the st MSS, be has icen, there are but two in the roll-form; the reft being made op much after the manner of the modern books \*\_— Vid. Calm. bi. cir. \* Da Pin Bibl. Ecolg. 7. op., 920. \* Benth. de Libri legond. diff. 4. p. 55. Legy. \* Monttane, Palanger, Green. 1. 1. 4. 4. p. 20. Reimm. Idea 890. Anin; liter. p. 227. Ling. p. 226. Elevarte. de Grasson, librar. diff. 2. See allo the article BOOK. 18 18 1915 G.

w. diff. 2a. See also the article Brox. = BY DING.
The sile, we whom were computed of fewral there, the
The sile, pro-bound were sile of the sile of the sile of the
the whole making a kind of column, or cylinder, which
the whole making a kind of column, or cylinder, which
was a beauting by the makine, as a shanding is being
confide of the widenn, was talled βrang ple could of the
makine sown, here as which were visible, covered good and
shand in location with these of fivers, rowy, or even gold and
shand location with these of fivers, rowy, or even gold and
shand location with the of fivers, rowy, or even gold and
shand location with the of fivers, rowy, or even gold and
shand location with the of fivers, rowy, or even gold and
shand location with the column of the column of the
confidence of the column of the column of the
confidence of the column of the column of the
column of the column of the column of the
column of the column of the column of the
column of the column of the column of the
column of the column of the
column of the column of the column of the
column of the column of the
column of the column of the
column of the column of the
column of the column of the
column of the column of the
column of the column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
column of the
c

tife. L. Act. T. 2. p. 43. occ. libri. Barth. Adverf. I. 22. c. 18. Schwatte. de Graces. Lilver. diff. 2. Reiman. Idea 8gl. Act. Liter. p. 242. fepy. Box p. 251. To which may be added diver scher winters on the form and ornaments of the ancient books recited in Fabric. Bibl. Actig. c. 19. §. 7.

To the form of books belongs also the accounty of the infide, or the order and arrangement of points and letters into lines and pages, with margins and other appurtenances: this has undergone many varieties; at fift, the letters were only divided into lines, then into feparate worth; which by de-grees were noted with accents, and diffributed by points and stope into periods, paragraphs, chapters, and other divisions. In some countries, as among the Orientals, the lines began from right, and run to the leftwards; in others, as the Norfrom right, and run to the leftwards; in others, as the Nor-thern and Weffern nations, from left to the rightward: o-thers, as the Grecians, followed both directions alternately: going in the one and returning in the other, called bouft's-phrabut.—In most countries, the lines run from fide to fide of the page; in fome, particularly the Chinese, from top to bottom. Again, the rage in fome is entire, and uniform; in others, divided into columns; in others, diffinguifhed into text and notes, either marginal, or at the bottom: ufu-ally it is furnished with fignatures and catch-words; forneably it is turnified with figuratures and catch-words; sometimes also with a register to different whether the bast be compleat.—To these are occasionally added the apparatus, of minnarites, or fide-notes; the embeldiliments of red, gold, or figured initial letters, head-pieces, tail-pieces, effigures, the same and the like—The end of the dos now denoted by four, was unciently marked with a "c, called casonis; and the whole frequently washed with an old claws from occasional the whole frequently washed with an old claws from occasional the same frequently washed with an old claws. dar, or citron chips firewed between the leaves to preferve it from rotting 3.—There also occur certain formula's at the from rotting '—I here also occur certain formals at use beginnings and ends of besit: as, among the Jews, the word pin, the fertit, which we find at the end of the besit of Exedus, Levinicus, Numbers, Ezckiel, Gr. to exhort the reader to be courageous, and proceed on to the following best '—The conclusions were also often guarded with imprecations against fach as should fallify them "; of which we have an instance in the Apocalypse "... The Mahometans or the like reason place the name of God, at the beginning for the life readon place the name of Gody, at the beginning of all distributes, which cannot full to reprove them prevent the prevent of the state of the prevent them the prevent of the state of the

Side Permit. 1955: In partner price 2, p. 2. p.

to their afe and authority, books may be divided into, -buto their nfe and authority, bosts may be divided into,—bu-men, those composed by mere mens—divine, those fent from heaven, or diclated by God himfelf, containing his word and will; which latter are also called facred and inflired bosts. Soc Revelantion, Instructation, the Comment of the Mahometans reckon one hundred and four divine books.

given by God to his prophets, viz. ten to Adam; fifty to Seth; thirty to Enoch; ten to Abraham; one to Mofes, the Pentsteuch (fisch as it was before the Jews and Chriftians corrupted it) another to Jefus, the Gofpel; another to Da-vid, the Pfalms; and another to Mahomet, the Alcoran, He that denies these, or any of them, or any part, verse, or even word of them, is deemed an infield a and God pre-ferre us from infields 1—They make it a criterion of a di-vine less, that God himself speak in it, not others concernvinc 888, tax Gold infinitely upon in the first power schemen-ing Gold, in the third perfort; as is done in our 8887 of the Old and New Tedament, which they therefore reject as compositions smerely human '.—\* Fid. Reland. & Rolg. Ms-homm. I. 1. c. 4, p. 2. 1. (q. \* b. 4. bid. l. 2. g. 2, 5, 2, 5; Silfylline Boxes, are those composed by certain pretended pro-

pheteffes, deposited in the capitol, under the care of daum-viri.—Vid. Lamei. de Eiblieth. c. 13. p. 377. See also Stayr... Gammical Books, are those received and allowed by the church, as parts of holy feripture. Such are the books of the Old and New Testament. See CANON, and BIBLE.

Aperyphal BOOKs, these excluded out of the canon, yet re ed and read in churches. See APOCRYPHA. Authorite Books, those which are decisive, and of authority:
fuch, in the civil law, are the code, digost, Gr. in our law,
the flatute, Gr.—Vid. Buc. de Augus Scient. I. S. c. 3. Works

Auxiliary BOOKs, those lefs effential, yet of use as subservient to the others: as, in the study of the law, books of institutes, formulæ, maxims, reports, &c.

Elementary BOOKS, those which deliver the first principles of fciences: fuch are those under the titles of radiments, thats, grammars, &c. by which they fland contradiftinguished from books of a Japarier order, which aim at making further advances in the feiences.—Vid Mem. de Trev. an. 1734.

ther advances in the Erenco.—The section are 2100 am 1757.

6. 804.

Library Booke, fuch as are not ordinarily read over, but turned to, and confilled occafionally: fuch are dichiocaries, comments, corporals, thefaurats, 626.

Ensteric Booke, those intended for the use of popular and ordinary readers.

dimary resters.

\*\*Germanic Books, these containing more force and shifting forces and shifting forces and shifting forces and shifting forces are shiften for the shift.

\*\*Jell, Reimm, Mar Byd, Anie, Line, p. 136.

\*\*Perhiding Books, Mode containment and finishing by the large forces are shiften for the shifting forces and the shifting forces are shifting forces are shifting forces and the shifting forces are shiftened as a shifting forces are shifting forces are shiftened as a shiftened as a shifting forces are shiftened as a shiftene

Acrs. &c.

Acry, Gr.

Chard Boots, or endplifted Boots, those used in the public diffects of religion \*-Sock, in the Liniu charch, are the farementary, endplower, believing, pliefer, consequent, pliefer, consequent, pliefer, consequent, propr., to.—In the Greek charch, to most group, and the greek, the property of the minimum, and the property, the continue the pliefer, and the property of the minimum of the property of the minimum of the property, and other property of the kinds which are tided to their districtions, containing the pliefer. ther liturgiarum, containing not all the liturgies of the Greek church, but only the four now in use; ozz. the liturgy of St. Basil, of St. Chrysoftom, that of the prefanchiturgy of St. Bafil, of St. Chryfoftom, that of the prefanclined, propagatose, and that of St. Janes, which is only used in the charech of Jerufalem, and that but once a-year "—— FM, Pfaff, Lursd. Hift. Theel. I. 4, § 8, T. 3, 2, 287, 2 Tev. D. Usivo. T. 3, p. 1507. • Id. bind. See alio La-

TUROV. The English chards-boots, in use in the middle of the tenth century, in enumerical in Hilfe's canons, were the hilds, pleffent, plitcheds, (i.e., cyllish) glydreds, migh-leds, figure plitcheds, (i.e., cyllins) glydreds, migh-leds, figure hilds-boots, paffend, (i.e. marrywing) positionistic, and the hilfur-boots-boots, paffend, (i.e. marrywing) positionistic, and the hilfur-boots-boots, which chards-boots, which chards-boots, which chards-boots, which chards-boots

of the coverant, because the terms thereof were contained in it. In a more absolute sense, best of the lew denotes Moses's original or autograph, found in a hole in the temple in king Ioliah's time.

Joinsh's time.

BOOKS, signin, with regard to their fcope and fubject, may be divided into—bijlorical, those which relate facts, either of nature or mankind—degrasatical, those which lay down doctrines, or general truths—wijelilarsess, those of a neutral kind, comming both field and declines—dightis-adjusti-ced, their which only rebarte declines, or, at molf indi-ent the argument by which they are proved, a Millet's growthy—kindlis-dequintial, the which not only recit the declines, but demonstrate them, as Dealist's Edemart. Permitted Boots, if it replificals, resource Cross Lamage Hear Ramans, were their approach by Nursa to be kept by the positive measure identities and other incident con-lecting payers, and other religious matters, with the man-ner and circumstance wherevols each was to be electraced. kind, containing both facts and doctrines-biffories-digmati-

these were also called, indigitamenta, as containing the names of all the gods, and the occasions, and formula's of invoking each.

—Vid. Liv. 1, p. 22. Lomei, de Bibl. e. 6, p. 107. Pitic. L. Ant. T. 2, p. 85, vos. Libri.

Ritual Books, libri rituales, those which directed the order

and manner of founding, building, and confectating cities, temples, and altars; the ceremonics belonging to walls, gates,

tempore, and again; the ceremonics personging to waits, game, tribrs, currie, camps, and the like.—Vid. Lomei. lib. cit. c. 6. p. 111. Pitife. abi figtra. digural Books, libri augurales, called by Cicero's, reconditi, were those wherein the feience of foretelling futurity from the flight and chattering of birds were contained "- Vid. Cic. Orat. pro down fac at parif." Serv. ad En. I. 5. v. 738. Lomei. lib. cit. c. 6. p. 109. See also August.

drufpicine Booκs, libri arufpicini, those wherein the mysteries of divining from the entrails of victims were prescribed.—

of divining from the entrais of victims were preferred.— Fid. Lome, wit figure e. 6. p. 111. See also ARUPER, E.C., Alcheratic Bocks, libri Alcheratici, those wherein the ceremo-nies and discipline of Alcheron were contained; formetimes also called libri Envisic, as sensing fupposed to have been com-posed by Tages the Hestrarian, though others precend that

be had received them from Jupiter himself : some suppose thefe to have been the fame with the libri fataler; others, with the libri arafplicini . . . \*Vid. Serv. ad Anaid. 1. 8. v. 308.

Lomei. de Bibl. c. 6. p. 112. Pitife. 1. c. p. 84. b Linden-

Lomei, de Bibl. e. 6, p. 112. Pitife, l. c. p. 84. Linden-brog, ad Conform. e. 14.
Fulgural Books, libri fulgurales, those written touching thunder and lightening, and the interpretation thereof.—As that composed by the Tuskan symph liggies, preferred in the temple of Apollo.—Vid. Serv. ad Æn. 6. v. 72. Lomei. de Bibl.

per of Aplan.—vs. over on d.e. o. 0.72. Lones, a sem-ple of Aplan.—vs. over on d.e. o. 0.72. Lones, a sem-feral Books, Bir fatales, their wherein the ages, or terms of the life of men were written according to the Henrian dikeiplar. The wave confusion by the Remans in all pub-lic clasmities; and infraolious taken from them, how to explain the official diction—All. Constr. d. Dr. Natal. c. 124. Lones, Bir d. c. 6, 8, 112. Pitfic, shi fipers, 1, 85. 144. Lones, distribution of the community and witch-craft.

The fame denomination is also given to some other bests, on account of the colour of their backs, or the dismalness of their contents; whence also red book, and described book. See

Good BOOKs, in the common utage, are those of devotion and

see Hooks, in the common ungs, we can be in picty as followings, meditations, prayers, &c.—Vid. Shaftefb. Charact. T. 1. 9. 165. Item T. 3. p. 327.
A good best, in the bookfeller language, is a falcable one; in the language of the curious, a fearer one; in that of men of

The languages of the curtons, a scarce one; in that of men of fenfe, an affelu and infructive one.

Among five principal things which Rabbi Akiba recommended to his fon, one was, that if he fludied the law, he flouid take care to do it in a good look; left the flouid be obliged to unkearn all again. —Vid. Cren. de Furib. Librer.

Spiritud Books, those which treat more expressly of the spiritud, or christian life, and the exercise thereof, as consemplation, e.g.—Such are those of St. John Climax, St. Francis de Sales, St. Therest, Thomas a Kempis, Granadeniis, Dr. Horneck, UK. See Mysvite. denfis, Dr. Horneck, &c. See Mystic.

Profans Books, fuch as do not treat of matters of religion.

Sec PROFANE.

BOOKS, with regard to their authors, may be divided into-Annymous, those without any author's name. See ANONY-MOUS.—Cryptonymous, those whose authors names are concealed in fome anagram, or the like.—Pfenderymaus, those which bear false names of authors ".—Ps/humaus, those published after the author's death".—Graniw, those really writlished after the author's deeth's—Gomins, their really writer by the performs whom they pretend for their authors, and fill remaining in the first wherein they were left by them.—Sparings or figoritisms, those percending to be written by others than their real authors.—Interplated, these which fince their composition have been corrupted by figurious additions or infertions.—Vid. Pafels, de Var. Ided. Maral. Trad. c. 3. p. 287. Heuman. Via ad Hifter, Liter. c. 6. §.

Ao. P. 33, p. ac).

Books, with regard to their qualities, may be divided intoClear or perfpareau, which in the degmantical kind, are those,
where the authors define all their terms accurately, and
keep firstly to those definitions in the courfe of their works. keep tractive to find of enimetons in the courte of their works.

—Uhfarv, those where words are used vaguely, and without defining.—Prairs, those which contain more things than were necessary to the author's design; as, if in a slot of fur-veying, a man should give all Euclid.—Uffal, those which deliver things necessary to be known, either in other feiences, or in the butiness of list.—Compleast, those which contain all that is known concerning the subject.—Relatively compleat, those which contain all that was known on the 

825, 86. Books, with regard to the matter they confift of, may be di-vided into-Poper-books, those written either on linen and cotton paper, or on the papyrus, of which few are now re-maining.—Vid. Montfauc. Paleogr. Grac. l. 1. c. 2. p. 14, feq. See also PAPER.

feg. See allo FAPER.

Perchant BOOKS, libri in membrans, those written on skins or pelts, chiefly of sheep. See PARCHMENT.

Limin BOOKS, libri limiti, among the Romans were those wrote on blocks or tables covered with a linen cloth.—Such were on blocks or tables covered with a linen cloth,—Such were the Shylline sheat, and divers ancient laws, epifles of princes, leagues, annals, \$\sum\_{em} \text{Lomet}\_i \text{diff}\_i \text{Mont. } 1, 2, \sum\_{em} 2, \text{Lomet}\_i \text{diff}\_i \text{Mont. } 1, 3, \sum\_{em} 2, \text{Lomet}\_i \text{diff}\_i \text{Mont. } 1, 3, \sum\_{em} 2, \text{Lomet}\_i \text{diff}\_i \text{Mont. } 1, 3, \sum\_{em} 2, \text{Unplies in \$\text{diff}\_i \text{Mont. } 1, \text{Mont. } 2, \text{Mon. } 2, \text{Mont. } 2, \

from that tifully wrote on; which was the tills: by Scalington that tifully probability, for fine has were written on certain films, or certain prior of Edna, different from those  $M_{\rm c} = 10^{-1}$  and  $M_{\rm c} = 10^{-1$ 

Such were the ordinary books among the Romans,-Vid. Polic &c. cit.

Wasse Boo K.S. forr' in cerls, mentioned by Pliny, have occafioned fome differe. Hern. Barbarus infection the term to
be a corruption, and linchian to read in federal inflaced in the
second of the control of the control of the control
of the completion, fine it is to hid. Others for no need
of the completion, fine it is to hid. Others for no need
covered their plants, or checks, with a tim fixed of war,
to make them infectible of craftments and amondments,
which the Hir in federal ware not, and confequently were
kife it for works that required response and accuracy than
the fixed the control of the control of the control
kife it for works that required response and accuracy than
the fixed that the control of the control
of the control of the control of the control
of the control of the control of the control
of the control of the control
of the control of the control
of the control of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the control
of the c Pitifc. be, cit.

Vid. Pitifc. ubi fupra.

Fig. P(III). We payed.

Elephantine Book \$5, libri dephantini, according to Turnebus, were those written on thin flices or leaves of ivory\*; according to Scalinger, those made of the guts of elephants; according to others, those wherein the acts of the fenate re-

scording to others, thole wherein the acts of the feature reacting to the engreeous, were written; a coording to others, the condition of a ground of the condition of the con

Books, OO E., with regard to their manufathure and commerce, may be divided into-Ammerity, those written with the hand, whether originally by the suthers, called astroppin, or as BARALLY, Experient, their wrought off from the pref. See Park 116.—Period, their wrought off from the pref. See Park 116.—Best in squire or fleets, their not bound of thicked—Dest in falls, their wherein a fleet is folded but core, or makes two leaves, or four pages? Best in age, and, where twelve, in 16. where fattern it, in admiring which is the prefer to the prefer the prefer to the prefer the prefer to the pref

ms, where twelve; in 160, where fixteen; in 240, where twenty-four.

me, where tweete's is too, water interest; in a day, where its process of the pr jests of bosh's, containing no less than 3000 "..." Vid. Paich, de Var. Mud. Mer. Trad. c. 3, p. 282, "Baill, des Satyr. Per-fond. "Lockch. Arcan. Liter. " Projets Literaires. " Jear.

faul. \*Lockh. dren. Later.
Liter. T. 1, 470.

Books in dus. Acti, &c. See the article Any 1, An A, 5'c.

The fore or digney of Books is various, of fours, to trace the
origins of things differenced of others, to fix and ethablish
fome truth, or raife four declarine to a higher pitch of fashtone truth. The second of the s

tilly i of others, to remove found founds or population which had before obtained, of fir more recentral and procise ideas and had before obtained, of fir more recentral and procise ideas and the second of the se

The department of the property The elogiums which have been bestowed on bests are inficentis, cellega & confiliarius prasidentis, myrethecium etoquentia, bartus plenus frustibus, pratum faribus distinstun

issue joine finding, peram ferita difficultus, some jer, me, the remindinus cerea propries, iliq fishes for jer feel, ili, sugara na marjen; registra registra registra registra registra registra per feel, in sugara na marjen; registra re

17. p. 190, Salmuth, ad Fancini, I. 1. ii. 22. p. 67, Barth.
61, logend, diff. 1, p. 1. [eg.

M. Canner wid in bibliotica fidures maini circumfafun Seikerum libri. Bent exist., we fix, in en incessione coolina
kerum libri. Bent exist., will be fix, in en incessione coolina
kerum libri. Bent exist. gulps qui, ne reprebenfinem vulgi
kecum refermidant, in ifa coria fideret leger, faye dan Leanus
gegerus, suit open eriquidited artherisem—"Ac. Co. di Desin.

The ill effect objected to Books are, that they employ too much of our time and attention; engage us in purfuits of no use to the common-wealth, and indispose us for the functions of civil life; that they render men lazy, and prevent their ex-erting their own talents, by farnithing them on every occa-fion with things of the growth of others; and that our natural lights become weakened and extinguished, by inuring ourfelves to fee only with foreign lights: befides, that ill men are hereby furnished with means of poisoning the people and propagating superfition; immortality, enthesiasin, or irreliapropagating topertition; immorality, enthusiafin, or 'irreligion, which will always frend sifter, and be received more greedily than lesses of truth and virtue.—Many other things are added concerning the empirics of shart, and the errors, fables and follies they are fraught with; which, together with the multirade and perplexity of them, is fuch, that it may feem eather to discover truth in the nature and rasion may feem eather to discover truth in the nature and rasion. of things, than in the uncertainty and confusion of basts.

Add, that basts have turned the other inftruments of know-Add, this lash have turned the other influtuments of know-ledge out of doors, an experiments, observation, furnace, and the like, without which the gatural feinness can never be cultivated to garged it, and that in martenantics, short excellent of the property of the contract of the con-traction of the contraction, are now contended to learn the Solution of problems from others; which is to relinquish the third end of their feitness: fince what is contained in marten, not the feitness, at or taken of folying perilions; which is hardly we had from letty; but only from more which is hardly we had from letty; but only from more and meditation .- Vid. Bac. de Augm., Scient. 1. 2. Works,

For the art of coriting or compained Books, we have much fewer helps and inflructions than for the art of speaking; though the former be the more difficult of the two; as a reader is time former be the more cunicult of the two; 28 a reader is not fo eafly to be imposed upon, but has better opportunities of deteching faults than a heater.—A great cardinal, indeed, reduces an author's bufinet to a few leads; were they but as eafly practified as preferibed; "Let him confider who it is written, what, how, why, and to whom:" "Quit foribut, grad feributer, generate, car be ad quot.—Fid. August. Value. It is not that the property of the propert

Vales. de caut. in edend. libr. To write a good book, an interesting subject must be ch To write a good load, an interetting subject mult be cholen, which is to be long, and choley mediated on 1, and of the fentiments which offer themselves, those which are already commonly known, are to be rejected: few or no digetilions from the main point are to be allowed; quotetions and then only to purve force important trath, or embellish the fullpict with some beautiful and uncommon. observation; never bringing an ancient philosopher on the stage to say what the meanest lacquey could have said as well;

thage to fay what the mexical lacquesy coold have fail as well, nor making a fermion, unled where the builtness to preach.

The conditions required in a body, are, according to Salden, Schildry, perfectiously and brestly: "the first will be best actioned, by keeping the piece long by us, often reviewing difficult of the property of

the fullyde. Were their rules observed, it would fearce be possible for any, were their nuls observed, it would fearce be possible for any except an augel from heaven, to write many basis: vis twice bound hear no more of those volutile authors, who throw off yearly fix or eight basis; for ten or veelve years turning's of those volutionisms sushers, those business of the strength of the fix of the fix or eight basis; not become and handered from the year and the total fix of the possible for they are also to fixed.

and handreds †; nor of those childrik authors, who publish ber's by that time they are able to fixek!. \* \* Severin. Listropius, professor at Copenhagen, has given a catalogue of seversy two best, which he composed within the compass of tweety veras; containing fix volumes in the-ology, eleven in ceeleshiled history, three in philosophy, sourteen on mircellaneous fobjects, and thirty-eight on line

rary fubjects.-Vid. Lintrup. Rellq. Intend. Berg. op. Nov. Lis. Labec. av. 1704. p. 247. † Fa. Macedo, a Francisca 

yang, hat be certifed them, in latellar, Cryston de Hillers, when he had the complete is put food of a ready to get the complete of the comple weighted, and turned our all in folias and not difficied to plan.

So that they risk to read in a foliasion in fingle plans, So that they risk to read in political in fingle foot, of what had cell them printipe ton yours limited board, which the distribution—Such were tolked body, which thought and application—Such were tolked body, which was the tendence of the contraction of the such that the suc gathers all before it, old and new, common and uncom-mon, good, bad and indifferent, which we adopt with little

network and two the control of the c

of, and to answer them is fometimes forced to make a differ-tation in form, to which he gives a particular title, and to lengthen it out, subjoins the plan of fome future work, wherein he will treat the point more at large. Sometimes he argues in form, accumulates subjoint on yillogin, and induction on induction; being careful to note that they are insucion on induction; peing caretin to note that they are for many geometrical demonstrations. At length you come to a firing of confequences, which you never expected; and after twelve or fifteen corollaries, wherein contradictions are not figured, you are furgived of or the conclusion to find a proposition which had never been mentioned, or at least had interest the first threat or perhaps and the state of new third or perhaps. peopolition which had never been menucocd, or at leaft had been utterly put out of your head, or perhaps another which has no relation to the fubicel. The fubject of the bast, in all probability, is some trifle; perhaps the use of the particle, and, or the promanciation of

the Greek eta, or the praise of an asi or a loude, or a shadow, or folly, or idlenets, or the art of drinking, or loving, or ortelling; or the use and abuse of fours, or those, or gloves, or the like.—Suppose, for instance, it be the last, and let us see how a modern writer of note proceeds to make this state.—For method he take that of the Lulliste, and begins with the contemporary and extraction of the state. with the name and etymology of give; which he gives not only in the language he writes in, but in all the languages only in the language he writes in, but in all the language be understand, or of which he has dictioners in his thor, oriental or cocloteatal, firing or dead, accompanying each possible of the control of the control of the control possible and entirely and the control of the control hambellog to the faveral dictionaries from whench to took them; always, most religiously coping chapter and puer. From the name he proceeds at length to the thing, and public them that the control of the control of the control of the orientation of armounts, as the matter, form, sich, shield, adjusted, of armounts, as the matter, form, sich, shield, adjusted, wun green gains and excitates through all the common pixes of arguments, as the matter, form, sale, salest, exjentels, conjunctly, chipanels, 67c, or gloves. On each of which he even from the common her thinks hireful challengt for ex-bated his salejedt, and give us all he can find. Thus gloves, he informs up, preferre the hands from cold; and proves, that if we go much in the fam without them, our hands will be tannel. He goes on next to flows, bow chaps on the that if we go much in the first without them, our banks well be brained. He person on next to three, bow chaps on the beautifed. He person on next to the bow chaps on the street of the

chapter a focket \*; another tendees his work to the form of a pairer f falling-sear, which open into two parts, to admit a pairer f falling-sear, which open into two parts, to admit he look, efficient hillor, an a floy, and divinite art considers his look, and the search of the constraint of the accordingly, or to famous photos, treating his roader throughout as a cuthomer. Another turns his isolates for the search of the constraint of the accordingly, or to famous photos, treating his torse to transport the transport of the format works the finerer, and 120 fermon the finer's part Lived Kind, then T. 3, p. 60p. \*R. Schalett Liner Z-PAL Wolf, Bit, the Her. T. 3, p. 60p. \*R. Schalett Liner Z-PAL Wolf, Bit, the Her. T. 3, p. 60p. \*R. Schalett Liner Z-PAL Wolf, Bit, the Tanis work for His transport for the transpo

Callian, a S. Silos, Arbor conviews spinissum nuradium, que ex-trumos galaliante, tot ramis quos funt litera alphabeti, capas fis-res funt verba, fruitus fant 120 convients, &c. Vent. 1888, fil. V. Gisra. de Parma, an. 1688, p. 50, or the origin of BOO KS, we have nothing that is clear: the boots of Modes are doubtless the oldest of all that are extant? but there were books before those of Moles, who cites severalb Scipio Sgambati, and others even talk of books before the delugg, written by the partiarche Adam, Seth, Eusos, Celman, Eusoch \*, Methufalem, Lamech, Noah and hit wife, also by Ham, and Japhet hit wife; befeles others by the demons or angels; of all which fome moderns have found enough to fill an antediluvian library: but they appear all, either 10 fill an antennovam herary: but they appear all, etter the dreams of idle writers, or the impolures of fraudulent ones.—Fide Mem. Acad. R. Infer. T. 6, p. 32. bd. ibid. T. 8, p. 18. Sgamhet. Arabiv. Vet. T.pl. Fabric. Cod. Pfoudep. V. T.pl. paffim. Heaman. Via ad Hijl. Liter. c. 3 §.

Pjendy N. Tyff, Paffin, Hemman, Far of Hijf, Liter, e. p. § 3. All and Takes it is even dies if the origin of head pain, and an extra control of the cont of theis, there is not the held fragment remaining, and of the electra the picces which go under their names, are gran-rally held by the learned lappositions.—P, Hardsoin goes farthers; charging all the actors their, beth Greak and La-tin, except Cherio, Plimy, Virgil's googies, Henne: Intire and spilling, Herodova, and Homer, a spirmon, and forgund and spilling. Herodova, and Homer, a spirmon, and com-dition of the spirmon and the spirmon and the spirmon direction. The spirmon and the spirmon and the spirmon derived the spirmon and the spirmon and the spirmon and derived the spirmon and the spirmon and the spirmon and the derived the spirmon and the spirmon and the spirmon and the derived the spirmon and the spirmon and the spirmon and the derived the spirmon and the spirmon and the spirmon and the derived the spirmon and the spir

The multisude of Books be been long compliance of the wheel and the second of the seco

grown too numerous, not only to procure and read, but to ice, learn the names of, or even number. Solomon, three thousand years ago complained, that " of writing bear there

"was no end." But modern writers cannot keep within terms of 6 much moderation: "You may fooner empty the "fe, fly you chan exhauft the immense council basis," or on minber the finds on the floor than the volumes ex-tent. They are not to be told, figs another, though like "that it is not a superior to the council of the council of the minds that of Malsiomet's paralitie, a roan had keventy the department of the superior that the superior the council of the superior that the "at thousand neads, and to each near retently ensurant mourns, "and to each mouth feventy thouland tongues, which each fooke feventy thouland languages."—Yet how is the num-ber continually increasing! When we consider the multitude the continually increasing! When we consider the multitude of hands employed in writing, of copits throughout the cait in transferibing, and of prefits in the west continually pouring in fresh quantities, it feems a kind of miracle the world should be able to contain them \$4. England has more to fear with few than other contains. ing in find quantities, if form a kind of minute the would findually be they construct them 3.1 [anglind has more to fortunally findually be the procession of the state of the process. The Indians of Friend has [gent complaint the process.] The Indians of Friend has [gent complaint the composition and Friend has [gent complaint the state of the process which is formed by the process which is formed by the process of the process which is formed by the process of the process which is for the process of the process which is processed to the process of the process which is processed to the processe

de Trev. an. 1734. p. 804.
The beft of it is, we are not obliged to read them all:
Thanks to providence, the good biftop Caramael's fehrme
mifearried, which was, to write about an hundred volumes millearried, which were, to whose beinged constantly fellows in follow, and then proprial on the civil and fellowing bown in follows, and then proprial on the civil and fellowing bown in the constant of the constant of the constantly and the constantly which he allows were to have composed, and he lived one particular than the constantly of the constan

which may eality be had by running over the cheef authors; out of whom references may be made, directling to the places where they may be found, when wanted. For there are many things which are much better preferred in docs than in the memory; as afternomical observations, tables, rules.

in the memory, as afternomical challentians, radas, radas, becomes, proportions, and in fine where the confederate and the control of the memory, when once known. For traceasily solven to the memory, when once known. For the control of the contro orz. that of tempture, which discovers the will or God, and that of the creation, which flaws his power; the latter of which is the key of the former. —But this, under pretence of retrenching inperfluities, forms to be running into the opposite extreme. The buffred is, rather to make a due choice among the multitude, of a number of good ones. -It may be added, that as knowledge is naturally advanta-geous, and as every man ought to be in the way of information, even a superfluity of hoeks is not without its use, fince hereby they are brought to obtrude themfelves on us, and engage us when we had leaft defign.—This advantage, an ancient father observes, we owe to the multiplicity of

books on the fame fubject, that one falls in the way of one man, and another belt faint the level, or the apprehension of another.—"E wery thing that is written, fays he, does "not come into the hands of all perfore: perhaps forms "may meet with my books," who may hear nothing of others "may meet with my books," who may hear nothing of others " which have treated better of the fame fubject. It is of " fervice therefore, that the fame queftions be handled by feveral persons and after different methods, though all on "several persons and after districts instruous, trought at on the fame principles, that the explications of difficulties, and arguments for the truth, may come to the know-ledge of every one, by one way or other b."—Add, that the multitude is the only fecurity against the togal loss, or defurultion of bests: it is this has preferred them against the defruction of basis: it is this has preferved them liquid in injuries of time, the rage of tyrants, the zeal of perfections, and the ravages of barbarians; and handed them down, through long intervals of districts, and ignorance, this to our days — Solopar may seem these measurement movi.— Viol. Base, de Angement. Scient. I. 1. Works T. 1. 5. 49.— Angenth. de Trim. I. 1. 6. 3. Barth. lib. cit. Diff. 1. 5.

8. feg. and judging of Books.—Authors are not well agreed on the conditions necessary to denominate a bask, good. Some require only good fends in the writer, and an ac-quaintance with the fullyoft; others with Sablern demand folddity, perficiently, and brevity; others think intelligence and exactlessely mough; the operatifies of critics form to hold. foliatity, peripacuity, and brevity: others think intelligence and exactines enough: the generality of critics ferm to hold, that none of the perfections, which the human mind is ca-pable of, ought to be wanting; but on this footing there is fearer any finch thing as a good back; at leaft none which they themselves will all agree to be fuch. The more reathey themsiferes will all agree to be fach<sup>1</sup>. The more reached allow a side to be very good, which has but for faults; givenus-like, spin minimis bregions<sup>2</sup> at least where the faults; givenus-like, spin minimis bregions<sup>2</sup> at least where the basis to be called dad, where the indifferent in the perculian part, and the good and their are proportioned equally  $t_i = 74$  Hinter,  $R_i fam. f_i pr. f_i m. Reg. f_i d. Grirt. diff. 1. <math>h$  1. h 5. h 19. h 1. For the Regions. Refac.  $f_i$  is the gleen of writing the much to adjust the gleen of writing well, as of writing the size of the size

much to aim at the glory of writing well, as of writing good things: fo that a base is commonly allowed for good, if it be happily conducted to the end which the author aimed It is happily consisted to the end which the author simile at a whatever other limits it may have the as a six which at a six when the six in the limit is the property in the first property of the first property of the six pr 

better judged in those who recommend a small number It is better jueged in trode who recommend is main number of the left beity; adviling us to read much, but not many: multim ligardoon of the best beity; adviling us to read much, but not many: multim ligardoon of the multim ligardoon of the multim ligardoon of the being the best of the being ligardoon of the being ligardoon of the being ligardoon of the collision, the place where, and year when he multim ligardoon of the collision, the place where, and year when the summer of the collision, the place where, and year when the summer of the collision of the colli

end,) and the printer's name, especially if he be a celebrated one ": proceed thence to the preface, and look for the au-thor's design, and the occasion of his writing: consider also his country, (each nation having its peculiar genius ') and the person by whose order he wrote, which may sometimes be learned from the dedication: if his life be annexed, run it over, and note his profession, what rank he was of, and any thing remarkable that attended his education, studies, convertation, or correspondences with learned men anot forgetting the elogies which have been given the author, which often occur at the beginning, or even any critique or cenfure, especially if made by a man of judgment. If the preface do not give an account of the method of the work, what points the author has handled, observe whether the things and fentiments he produces be trite and vulgar, or fo-lid and fetched from greater depths. Note, whether he go in the common road, or make any innovation, and intro-duce any new principle. Observe also his method, whether duce any new principe. Onlerve also his memora, whether it be a dichotomy, or according to the four causes, or any other more peculiarly adapted to the subject ?—Fide Barth. Diff. 4, 6, 9, 16, 16 Ball. 6, 7, 6, 28, fq. 8 Strav. Introd. ad Notit. Res Liter. c. 5, 9, 2, p. 338, fq. But it is a fault number of but, we have experimely of them holding of by percining them, being diding that when we have read a leaf over, the jodizenate comes too line for many personal in the man meeting herefore to have other indicates on the pairs of periodic at the contract of the pairs of periodic at worthed have; divern rules of the kinds are given by finite; Nowmen's, Nouline (), and others; which though, it reality, no more than personal or this kind are given by finite; Nowmen's Nouline (), and others; which though it reality, no more than personal or the pe But it is a fmall number of books, we have opportunity of good, when it is effected by perions intelligent in the fubject it treats of; and when those who commend it recontinue it treas of a simulation to the total water comments it is excited to a devantage from the applied they bellow on it, excited to a simulation of the continue it is simulated as any particular principle, follow, for party in religion or learning (\*\*P—Fit Billite Fygur, at hower T, 1—2, p. 121. p. 5 Now. like it, e. 5, § 3, p. 300. Shed). A principle of the continue of the Libri paggan. v. 22. 229.

"Men. de Trev. on. 1712. ort. 17. Heuman. Codp. Reipadl. Liter. c. 6. §. 11. p. 280. feq.

But more particularly, it is an indication that a bod is good,

For first author be known to excel in that talent more im-mediately necessary for such a fusicity or have already pub-lished any thing on the fame that is efterned. Thus we may conclude, that Julius Coefer will each us the art of was better than Peter Ramus; Cato, Palizdius, and Columella, agriculture better than Ariffothe; and Ciccro oratory better than M. Varro and add about the sariculaure bester than Aiffolde; and Cierco conterp better than M. Varo'; add, that it is not enough the unitor be than M. Varo'; add, that it is not enough the unitor be than the feedby, but that he be fo in the puricular better than the content of the puricular than the con-civil law, yet not in the public law; Sühnfulus proyed him-felf an excellent critic in his Exercite. Philiam. but came fell and excellent critic in his Exercite. Summing the con-tent of the content of the content of the content of the con-tent of the content of the content of the content of the con-tent of the content of the content of the con-tent of the content of the content of the content of the con-tent of the content of the content of the content of the con-tent of the content of the content of the content of the con-tent of the content of the content of the content of the con-tent of the content of the content of the content of the con-tent of the content of the content of the content of the con-tent of th pretuning good, if the sufflor have a coptons library, or can have access to one; or lived in a place where booles were not weating; though here is a danger too of running into excets of quotations, effectally, finy Stravius, if the author be a haveyer. "3. A sole which tools up a long time in compeding, cannot often fall of being good: "Tha Villal-pundar's commonery on Earkiel was a work of ferty years." Brownin's annote of their y Good Commonerates and Brownin's annote or their y Good Commonerates and the support of the property of t of thirty; Paulus Æmilius employed the fame time in his hiftory; and Vaugelas in his translation of Q. Curtius. Lahiltory; and Vaugelas in his transferience of Q. Correll at the my was thirty years in his transferience of the temple. The four forty years in his tradict of the temple. The four forty years in his reader additionar, and the faint four years in his poem called Calondar.—It is true, they who are 60 long on the fame faibyed, rarely bring it cut uniform and methodical; before, there they are apt to flag and grow cold in 6 long a purior; ment cannot artend to the fainty history for 4 when the control of the fainty history for 4 when the control of the fainty history for 4 when the control of the fainty history for 4 when the control of the fainty history for 4 when the control of the fainty history for 4 when the fainty for 4 when the fa to the fame thing for so many years without being tired; which will be spt to shew itself in the composition; and hence it has been observed that in these large books so long about, the beginnings glow, the middle-parts are luke-warm, the latter ends frigid, apad vaftsram valuminum auctores, principia fervent, medium tepet, ultima frigent d. But then they must excel in the materials, which have been gathering for fo long a tract of time; this is particularly ob-ferved of the Spanish writers; and is at least more commendable, than the levity and precipitancy of fome of their neighbours. Not but the public are fometimes disappointed in their expectations, from writers who are so long in la-bour; as was the case in Chapelain's poem la Pacelle, in the finishing of which he spent thirty years: and concerning which we have that epigram of Monmor:

Bla Capellani dudom expellata puella,

Post tanta in lucen tempora fredit anus.

Some, it is certain, have carried their scrupulonfines to an
excess, as Paulus Manutius, who often spent three or four
months in writing a single epittle; and Ifocrates, who was three elympiads in writing one panegyric °. 4°. Beels on points of doctrine by eclecile writers, are to be prefumed better than those writ by the retainers to particular socks. better than these were sy the retainest to pursuant near-\$\times\$. The ago of a swirter may give in some indication; \$\delta \tilde{t}\_2\$, \$\times\$, where the system is some indication; \$\delta \tilde{t}\_2\$, \$\times\$ is small fit in Lather's former pieces, than in those he wrome a lattle before his doubt; fireapph decays, bufunds an not except, we truth too much to our judgments, and and are not formpalous enough his masking conjuties \$\tilde{t}\_2\$. Another indica-tion and the system is a state of the system in the system is a Thus history written by a notion who was the executions for Thus hildry written by a person who was an eye-witness of what he relates, or is concerned in public affairs, or has access to the public records, or other monuments, from whence intelligence may be drawn; or who is not byasied by party, Thus Salluff and Cicero were well able to write the history of Carillae's conferacy, as having fome concerns in it; d'Avila, de Comines, Gulcciardin , Clarendon, & were

prefent in the civil wars they describe: Xenophon having an employment in the Spartan flate, has treated excellently of that commonwealth: and Amelot de la Houffaye by living that commonwealth; and Amelot de la Honflips by living long at Vennes, we caushed to equilate foreign the most of the property long at Venice, was enabled to explain the fecrets of their policy: Camden wrote annals of the affairs of his own

"good load is so much the better by how much it is bigger."

Bosus liker mains of guifque que mojor b. Martial gives us a remedy against the largeness of a bost, where that is the only complaint: read but a little of it.

Si minist videor, ferapse ceronide longus Effe liber, legite pauca, libellus ers. Yet is the fmallness of a book, a real prefumption in its fayour: he must be a poor author who cannot furnish a pam-phlet, or boofs sheet with things curious, and written with spirit: but to support the same through a volume in folio, requires other-guife funds. In reality, in large basts it is allowed a man to be fometimes dull: a heavy preamble is expected, and a feries of words of courfe, ere you come to the business; in the profecution of which many nodding places are likewise allowed; but smaller pieces are indulged none of these privileges: they must immediately fall into ione of these privileges: they must inimediately fall fine in the control of the

The state of the s

Text BOOK.

ZIEXT.

BOOK, is allo ufed for a part or division of a volume, or large work. See SECTION, Ut.

In this feed we say the load of Genefis, the first load of Kings, the five loads of Mofes, Ut.—The Digest is contained in fifty loads, the Code in twelve loads.

Books are usually sub-divided into chapters, fornetimes into

fections, or paragraphs: accurate writers quote chapter and best. See Chapter, &c.

Book, is also used for a lift or catalogue of persons names.—

Such among the ancients were the centorial books, libri cento rii; being tables or registers containing the names of all those who were censed or taxed under Augustus. Tertallian affures us, that our Saviour's name was found in the censo-rial backs of Augustus.—Vid. Tertul, adv. Marcins. 1. 4. c. 7. rus oest of Augustus. — Fid. Tertul, adv. Marcius. 1. 4, 6.7. De copis drayif sown telfus midsillissom Duminies marioritatis Russuma archivos cufisdiant. Fid. Lomei de Biblioth. p. 104. Pritic. L. Au. T. 2. p. 84. See also Cansus.

BOOK-SELLER, a profifed trader in boats whether he print them himself, or procure them to be printed by others, for file. See Book.

her fals. See Bolox.

Boughless, among us, are the fare with hillingles, among displaying, among us, and the fare with hillingles, among displaying, among the second of t mart of books, as Paul's Church-yard, or Fleetfireet among us: whence that of Martial's

us: where that of Marials, "The state of the 
points i and Meccinidis may proteony as a reage of with hillippids.

Formerly, the offices of halfolder and printers were united for the control of the cont own bostfellers, the Vander Aa's at Leyden, Gleditfeh's and Fritfeh's at Leipfic, Mortier's and Wetftein's at Amfterdam, Fritch's at Leiple, Mortier's and Wettern's at Amtteroam, and Halma's at Utrecht's, though much below the Stephens's, Aldus's, Vafcefin's, Frobenius's, and Morel's, have neverthelefis acquired a just fame.—Fis. Struw. Intras. in notit. Rs. Literar. c. 11. § 15. p. 493. Thurmon, Bisl. Acad. p. 56. fig. b Labbe Bissish. Bislints. p. 233. Struw. Ill.

9. 56. fg. \* Labbé Billabb. Billatab. p. 233. \* Strav. lib. di. § 38. p. 9,35 \* Lasfjöhra. 1 the Gett-press, or known the chief hierce of badfjöhra. 1 the Gett-press, or known prices and facratiy of books, with the distribution of the prices and facratiy of books, with the stable different citizens, or qualities, otherwise than as their affel; the file of them—full. Struct. Intend. in stable Literar. c. 1. 1 fg. 1. Lang. last. Stand. Table i. 1. mends. 2 p. 9, 5 fg. fg. Som with the habilities gande or filem. feel. As exeminations with the habilities gande or filem. feel.

allo the surfice Boots.

An acquaintance with the bubfilter marks or figns, frequently captrilled on the tilt-bugs of their books, is of fame used by real many books, depicably in the hilt century, have no other defiguation either of printer, bubfilter, or even civey—The seader been, in the mark of Raphidegipus Li-bey dee, and the fame with a abidite twitted crund it, of the Mannis at Vertice and Korney; the Arive doness is book buffer to the abidite twitted crund it, of the Arive and th the Weckellurs at Paris and Franciert; the eranes, by Cramolity, the employi, by Plantin at Antwerp: the finan-tam, by Vafeofan at Paris; the fibere in a balance, by Jan-fon or Blaws, at Amflerdam; the lilly, by the Junta's are Venice, Flerence, Lyous and Rome; the malkery-tree, by Morel at Paris; the dive-tree, by the Stepheno's at Paris and Geneva, and the Electric at Amflerdam and Leydon; the General, and the Execute at American and Leyborn, the bird between two ferpoint, by the Frobenius's at Baffi; the trade, by the Commelian at Heidelberg and Paris; the Saturn, by Colineus; the printing-prof, by Badius Alcenfius, Tel—Pid. Baill. Tygens, dis Seave, T. I. P. 2, p. 91, fept. Bassfellers are a kind of agents, or curators in the republic passymany are a know or agents, or chartons in the repulsion letters: in many places, they are ranked among the members of universities, and entitled to the privileges of findents; as at Tubingen, Solithurg, and Parist, where they have always been diffunguished from the vulgar and mechanical traders, and excepted from divers texe and impeditions lad on other companies ?— Frd. Fritch, hiff, de idibay, e. 7, § 1, fpq. [Pawar, D. cam. 7. 2, p. 335]. From cv. Libraire. The traffic of books was anciently very inconfiderable; in-formuch that the book-merchants both in England, France, Spain, and other countries were diffinguished by the app Spain, and other countries were dittinguished by the appel-lation flatiners, as having no thougs, but only faineds or flats in the firests, where they exposed their wares to fak.—Vid. Du Cang. Gloff. Let. T. 4, p. 951. ws. Estionarii. During this fixt, the civil magistrate took little notice of the lossifellers; leaving the government of them to the uni-

the halfalor, kiving the government of them to the motivation, we have have also principle manufacility to reducine, no whom they were loopful more manufacility to fixed price on their books, examined their correlation, and appeals them as different—like when he job invention of a matter of more confequence, and the foreverges took the distribution of them in their row banks; jump them new form the state of the state

part of the academical body, and as such entitled to the ex-emprions of the other members thereof. They were to give security to the university for their behaviour, and produce and pro fecurity to the university for their behaviour, and produce statishions of their capacity for the dicharge of their office, the university also depoted and expelled them at different they were obliged to oppear at all affectables of the university, they have been appeared to the contract of the con-fling the contract of the contract of the con-tract of the contract of the contract of the con-tract of the contract of the contract of the con-tract of the contract of the contract of the con-tract of the contract of the contract of the con-tract of the contract of the contract of the con-tract of the contract of puinfled their: they were not allowed to buy any book of a faddent without large of the celor; now ever they did not be a faddent without large of the celor; now ever they did not be comparable to the cells of the

fit to prescribe some new regulations in 1467: under Fran-cis I. the bobfollers were brought wholly under the royal au-thority, and received flatutes from the king.—Vid. Savar. Eb.

cit. p. 531.

Abal. Fritch, chancellor of Jena, has a differtation experts concerning bestfullers, de bibliopalis, but it is a jejene piece, and befieles, half-filled with pathiges in High Dutch untransand befides, half-filled with palliggs in High Dutch untrail-lated: what we find in it any way curious, is forme quef-tions and cake, between hosfelders and authors, which he difficulties on the principles of the Imperial and Saxon laws; as,—whether any copy—moncy be due to an authors, who has not been althe to finish his blook by reastion of the difficulty of it—whether a hosfelder, who printed the first edition, be entitled to the reislaid of the fectional \*—Whether new copy— curited to the reislaid of the fectional \*—Whether new copy entitle to the retuils of the feoner - w feature new copy-money be due from the isoligible to an author on a new celi-tion of a book?—Whether a levifolite may repeint a book without the knowledge and confiner of the author?—Whe-ther a number of copies be due to the author over and above the copy-money? which he refolves in the allimative.— And wither a levifolite may feize his books unpaid for, in a fudent's clotte? which he folws in the allimative:—See albadrat. delt? which he löves in the attractive value frameworks of Berast and Trainter concruiting heightfre, in the written on Berast and Printers and a single printer control in Schottymins <sup>1</sup>, de he land the Challe Cheriller, and orders, <sup>1</sup> who have written exceeding the single printer in Bellight an analysis. He printer is Bellight analysis. He Hem p. 235, feep. "Fabric, Bibl. Antiq. c. 19. §, 7. p. 6 & Thurm, Bibl. Acad. p. 10. Hem p. 56. BRIDGE, an edifice either of flone or timber, confifting

one, or more arches crected over a river, canal, or the like, for the conveniency of crofling, or palling over from o fide to the other. See RIVER, ARCH, Gr. A bridge may be confidered as a road over water. See ROA

A bridge may be confidened as a road over water. See Roan, Jamus to made, by forme learned ment, the first inventor of bridges, sa well as of flings, and crowns: their reason is, their in feveral ancient Greek, Seislian, and Italian coins, there are toperfented on one fide a Janus, with two faces, and on the other, a bridge, or a crown, or a flip. The parts of a bridge are the parts, or legs, piles; the archi-

is; the procusum, or way over for cattle and carriages; the fast-banks on each fide for foot-paffengers; the rail or parapart-mark on each nee for foot-pattengers; the rati or para-pert, which inclose the whole; and the binnett, or end of the bridge on the banks. See Peer, Butmert, Ur. Bridge are a fort of edifices very difficult to execute, on account of the inconvenience of laying foundations, and walling under water. The earlieft rules and infractions re-busings to the inflate of the control of the property of the part of the business the inflate of the control of the part of the par lating to the building of bridges, are given by Leon Paptifta nding to the enalong of serigies, are given by Loon Bayellin Alberti, Arribit, 1-8. Others were attrevarial hald oden by Alberti, Arribit, 1-8. Others were attrevarial hald of the of which are collected by M. Bandid, Commont, L. 24, of which are collected by M. Bandid, Commont, 1-2, 11, p. 402, [19]. The bell of them are also given by Goldman, Bansayd, 1, 4, c. 4, p. 134, and Huwklmor, P.B. Lood, Bring, p. 40, 6, p. M. Gautier has a piece ex-prise on bridger, ancient and modern. Trait. das Penst, Paris 1716, 1-29.

Paris 1746. 12°.
The conditions required in bridges are, that they be well-defigned, commodious, durable, and fuitably decorated.—
The peers of flone-bridges are to be equal in number, that there may be one arch in the middle, where commonly the current is flrongeft. Their thickness is not to be lefs than current is iftengedt. Their thicknels is not to be lefs than a funth, and to the figure of the first plant and south. They are commonly guarded in front with an angular flar plant of pure, to beak the force of the current jub bungh this defence is fometimes allo turned femicircularly; in the ancest bridges, it is always a right angle, which has the advantage of being fronger and more durable than accuse once. The integral excises are those whole femicircle.-For the rails, the height, ornaments, and the like, they are left to differed on.—It is even complained, that no demonstrative reasons are given of the several proportions of the most effential parts of bridger; much of which is fill left to the differentian of the builder, to be regulated according to the circumfiances, defign, place, magnitude, &c. of the defigned edifice. M. Gantier wifnes, that mathematical perdefigned office. M. Gaulier withes, their mathematical persons would take the fracture and personium of bridge into their conferences, in order to bring things to more certainstein of their conferences, in order to bring things to more certainstein of their conferences of their conference of the section of the secti

water ever mounts. In the brighty of Aviguon, St. Elprit, and Lyons, there is this translable, that they are not freight, especially the this translable, that they are not freight, especially the translable and the standard towards the from the translable translable the force thereof: the pont St. Elprit, Dr. Robinson observes, is bowed in many place, making nonal angles, especially in those parts where the fitteen is frenged. The great peer in the middle of the fitteen is frenged. The great peer in the middle of the fitteen is frenged. The great peer in the middle of the fitteen is frenged. The great peer in the middle of the fitteen is frenged.

London-ringe, as we are told, well intended to ferror for a flendying to the whole mechanic, intended of making an am-gle, as in the above-mentioned bridger. The flower state of Venice, called the Rinder, conflict but "De finous bridge of Venice, called the Rinder, conflict but "De finous bridge of Venice, called the Rinder, conflict but matter-spece of arr; birtle bill in 159, so the deliga of Michael Angole; the figure of the arch is intercyclight feet one ball, and its height above the water only twenty-three free one half, and its height above the water only twenty-three free me half and the state of the rinder of the Rinder Power and the circle Minister in Bothnia, much looker than that of the Ri-don as Vanice. But the following the state of the Rinder of and a venice. The troke are including to a veryer in Christopher built from one mountain to another, conflitting of one fingle arch 400 cubits long, and 500 cubits high, whence it is called the flying-bridge: a figure of it is given in the Philofophical Translation. Kircher also speaks of a bridge in the fame country, 360 perches long without any arch; support-

'anne country's, 950 perches leags without any arch's fiapport-ed only by 30 gold bridger, they fornetismes diminish the courses of the river, either by sengthening in courts, by making it more winding (a motion foundame sole by the the bottom of a gold view, with rows of banks, fikhes, or plas, which break the current. The person of a first planty and finish the bed of a view; suppose the diminish one one fifth, it will follow, that in cafe of or immediation, the bed must be fund to bellowed one fifth

more than before, fince the waters gain in depth what they have loft in breadth. Add, that as the quantity of the water termains till the fame, it will pair with greater velocity by one fifth in the place where such contraction is: all which conduces to wash away the foundation. The ftream

which conduces to with a way the foundation. The theam than augmented in weeking will care yow filmst and flowes, which before it could not fift. See R.V.V.R. The foundation of bridger are to be link at the year when the waters are lowed, as in autumn; and if the gonal he tooky, had gravel, or flowy, the first flowes of the foundation may be laid on the further, without digging decept; but if the foil but fet flack, or great, it will be are ceiling to earn off the ways, and sign if you come at a firm become, as linds, if the cannot be done, part wire

er must be carried off, and the rest kept dry and piled: writer small be carried out, and the rest keep up years purely
that file of the riter where you are to work it to be inclothat file of the riter where you are to work it to be inclothe other file. See FOUNDATION. Pullabilo's directions
are, first, to make choice of that place in a river which has
the lead deeph of water, and where the ground is even and
first, elegically took or graved floor; is coundly, to avoid
those places where three are overagos, or windpook, and
the first of the property of the property of the property of the
water three file countries are to the property of the property of the
transfer of the property of the property of the property of the
transfer of the property of the property of the property of the
transfer of the property of the property of the property of the
transfer of the property of the property of the property of the
transfer of the property of the property of the property of the
transfer of the property of the property of the property of the
transfer of the property of the property of the property of the
transfer of the property of the property of the property of the
transfer of the property of the property of the property of the
transfer of the property of the property of the property of the
transfer of the property of the property of the property of the
transfer of the property of the property of the property of the
transfer of the property o where the bottom is lot faind or gravel, in regard lock materia are early carried away by the violence of were, which in time alters the led of a river, and fage the foundation of incommendation of the control of the form of the control of the turns and windings being worn away in time, the *bridge* is in danger of being, left inflate; betides high blish to be cheaked up with the fifth, and other materies commonly guthered in the turns of rivers.

Bag to not sate earlier built of flows or timber, according as

there is a conveniency, or plenty of the one material or the

other in the place.

made of hewn flore, forestimes also intermixed with brick; as, the bridge of Tholoufe, the plints whereof are of flone, as allo the quoins of the arches, and forme bonding courses, and copings; but the rest, as the arches, walls, and but-

Wooden-BRIDGES, called by the Latins, postes fioblicii, confift of beams and joifts fuffained by punchions, well cramped and bound together.

and bound togener.

Sturmius has a differtation express on the structure of a weoden-bridge: Difp. de Ponte Sublicio. Francos. 1703.

Raybon-Buildon, post de juez, is made of large theaves of ruthes growing in marthy grounds, which they cover over with boards or planks. They serve for croffing ground that

with bosish or planks. They fave for creding ground that is being mily no rotem. (Distance level) made to be green, may no rotem. (Distance level) made by the bottom had also as for excitine of each, tachen her between the contract of th

matest, or Hanging, called also Philipphical Bit ID 018, are those not imported either by posts or pillars, but hung at large in the air, only futfained at the two ends, or but-ments—Inflations of fine bridge are given by Palladio, and others—Pid. Vogels Whiten. Ben-Kanft. Tab. 26, feq. Wolf. L. Matth. p. 277. we. Brucke. Kirch. Mand. Salters. I. 1, 5.3. T. 1, p. 14.

La oranse p- 1/2.

Dr. Wallis gives the defign of a timber-bridge, feventy foot long, without any pilians, which may be ufeful in fome places where pillars cannot conveniently be erected. Philip. Tranf. N. 163, 9.714. Dr. Her affurer as, that there was formerly a large bridge over the caffer-drich at Tuthary in Cambridge. yard long, and yet not supported underneath, either with yard long, and yet not imported underneath; ciber with pilling, or arch-work; or any other for of prop whatever— pilling, or arch-work; or any other for of prop whatever— Draw.Bat no 1, Paul jobilitations, is facts a one as it made fat only at one end, with hingers, to fact the other end may be litted up; in which cast the bridge funds upplit, to him-let the pilling of the pilling of the pilling, and to bridge the pilling, and to thruft over again to afford a pattige. And other, which again the malket, half of which turns away to one which again the malket; half of which turns away to one

fide, and the other to the other; being joined again at plea-fure: but these have this inconvenience, that one half of

sure: out these have this inconvenience, that one half of them remains on the enemy's fide.

The Marquis de l'Hopital has given the confirection of a curve, in which a weight will always be a counter-balance to a drawb-drigg; which the younger Bernoulli has flewen to be no other than the cycloid.—Vid. All. Erud. Lipf. on.

1695, p. 56. fee.

Phys. BRIDGE, Post valent, or Post dullarius, an appellation given to a bridge made of pontoons, leathern beats, hallow beams, caffee, or the like, laid on a river, and covered with planks for the passage of an army.

Phing-Bridge Pent volunt, more particularly denotes a bridge composed of one or two boats joined together, by a fort of flooring, and furrounded with a rail or balluftrade; having also one or more masts, to which is fastened a cable, sup-ported at proper distances by boats, and extended to an an-chor, to which the other end is fastened, in the middle of ctor, to when the other end is intend, in the middle of the water. By which contrivance, the bridge becomes more able, like a pendulum, from one fide of the river to the o-ther, without other help than the rudder. —Such bridges forme-times also conful of two flowies, for the quicker pallage of a great number of men; or that both intantry and cavalry may put at the fame time.—Davil.

Flying or Floating-BRIDGE, is ordinarily made of two finall

iridget, hald one over the other, in fuch manner, as that the upsermod firetches and rum out, by the high of certain under-frience, which path is forwards till the end of it joins the place it is defigued to be faxt on. When taket two driefer are firetched out at their full length, 6 that the two middle ends meet, they are not be above. Their chief will be in for interface to work, or public that

Their chief use is for surprizing out-works, or posts that have but narrow moats.

have but marrow manus.

In the memoirs of the royal scademy of fciences, we find a new contrivance of a finating-bridge, which lays itself on the other fide of the river.—Vid. Hift. Acad. R. Stiere, an. 1713. p. 104.

BRIDGE of communication, is a bridge made over a river; by which two armies or forts, feparated by the river, have a free communication with one another.

BRIDGEs of beats, are either made of copper, or wooden boats faftened with flakes, or anchors; and laid over with

See BOAT. planks. See BOAT.

One of the most notable exploits of Julius Carfar, was the One of the most notable exploits of Julius Carlar, was the expeditions making a brings of boats over the Rhine: modern armies carry coper boats, called pastessy, to be in readinest for the making bringer: feveral of these being joined fide by fide, till they reach across the river, and planks laid over them, make all plain for the men to march on. See PONTOON.

PONTOON. There are fine bridges of boats at Beaucuire, and Roues

which rife and fall with the water; yet that at Seville is faid to exceed them both. The bridge of boats at Rouen, built in lieu of the flately

The bright of both at Rooms, built in lise of the finally flome-single credibe there by the Romans, in spregented by a modern writer, as the wooder of the prefers age; it always flosts, and file, sand falls with tubb, or as land-waten fill the river; it is near 300 yazda long, and is panel with flower just as the fleet are: carriage with the preside burdens go over it with east, and men and hordes with fairly stylingly there are no rails on either hand. The booms recovery the proposed of t D.

DEGREE, in geometry, a division of a circle, includ-ing a three hundred and fixtieth part thereof. See

Cracis. Exercische, prest and finall, in fuppoid to be divided into the present collect degrees to inhibited into the property of the present collect degrees. The degree is inhibited into the collection of the present collection, and present collection of the degrees, nametes, 80s. of prests circles, are guester than the degrees, nametes, 80s. of prests circles, are guester than the collection of the degrees, nametes, 80s. of the decommendation of the collection of the degrees, 80s. of the degrees of the collection of the degrees, 80s. of the degree of the collection of the degree of the collection of the degree of the degre

BITHM

RATHM. Thus, a degree, so being the integer or unite, is denoted by c, a first minute or prime by 1, a forond by 2 or ", a third by 3 or ", a C. Accordingly 3 degree, 28 minutes, 16 thirds, are wrote, 3: 25; 10". See SENAGREMAL. But though the arcicult Egyptiens, to whom this division is usually secrited, by means hereof, free afferonomical collaboration in the collection and collections are considered in the collection of be handled as integers; and were very happy in the choice be bandled as integers; and were very happy in the chaice of foch a number of degrees in the circk, as admirted or a jud division by 3, 2, 5, 5, 8 and 9. Yet Stevins, Oxphred, Walls, S.e., with good readon, with the fexage-famil Infederoe fet afole, and decimals taken in their room. For in decimals there is no excession for reading Helf fractions into greater, or greater into leffer; which is a tections article in feveragelment. Stevinso even body, that this divide of the curies which is contents for, obtained in the Stevinson even body, that this divide of the curies which we contents for, obtained in the Stevinson even by the steven of See DECIMAL.

The magnitude or quantity of angles is accounted in degrees. Thus, we say, an angle of 90 degrees; of 70 degrees, 50 minutes; of 25 degrees, 15 minutes, 45 seconds. See AN 0.1s. Such a flat is mounted fo many degrees above the horizon, declines so many degrees from the equator. See AL-

TITUDE.

Such a town is fituate in fo many degrees of longitude and latitude. See LONGITUDE and LATITUDE. A fign includes 30 degrees of the celiptic. See Sion. A ligh mendes 30 degrees of the celliptic. See Ston. DEGREE of latitude, is the finee of 365-184 English feet in-cluded between two purallels of latitude. See LATHTUDE. DEGREE of longitudes, is the finee between two meridians is the quantity of which is variable according to the latitude, See LONGITUDE.

Their expressions are borrowed from the ancients, who were acquainted with a very large extent of earth from east to west, which they accounted the length, and a much less

weet, which they accounted the inguity and a much ice from north the fourth, which palled with them for the breadth of the carth. See EARTH. The quantity of a Deorez of a meridian, or other great cir-cle on the furface of the carth, is variously determined by various oblivers: the methods too made use of are various. See EARTH.—Ptolemy fixes the degree at 68 Arabic miles § accounting 7 § fladia to a mile. The Arabs chemfelyes, who made an exact computation of the diameter of the earth, by measuring the distance of two places under the same meridian, in the plains of Seniar, by order of Almamom, only make 56 miles. Kepler determining the femidiameter of the earth by the diffance of two mountains, makes a degree 13 German miles: but his method is far from being accurate. Snellius feeking the diameter of the earth, from the diffance of two parallels of the equator, finds the quantity of diffance of two parallels of the equator, finds the quantity of a degree by one method to be 57064 Pairs teles, or 34338, feet and by another method, 57057 toles, or 343342 feet. The mean between which two numbers M. Peart found by menfuration in 1609, from Amiens to Malvoilin, the most fure, and naskes the quantity of a degree 57060 toiles, or 342360 feet, which reduced to other measures, gives the quantity of a degree of a great circle in

English miles of 5000 feet each 73 292
Florentine miles of 3000 braccios 63 70
Common French leagues of 220 toites 25
Rhinland perches of 12 feet 29556.

However, M. Caffini, at the command of the king of Froncer, via. Caffini, at the command of the king of France in the year 1700, repeated the fine labour, and measuring the space of 6 degrees, 18 minutes, from the obfervatory at Paris, along the meridian to the city of Coloure in Rouffillon, that the greatness of the interval might diminish the error, found the quantity of a degree to be 57202 toiles, or 343742 Paris feet, amounting to 365184 Englith feet.—On which footing, the quantity of a minute of a derree of a great circle of the earth is 57 to Paris feet, and that of a second, 95 feet. With which account pretty nearly agrees that of our coun

With which account pietry marly agrees that of our coun-tryman Mr. Newcood, who about they are triggs, medianely pays properly and the property of the pays of the pays pays property of the pays of the pays of the pays of the pays a, wit, determinable the quantity of one degree to be grype. English fees, or 57500 Parts tolks, or 65 heighth males, 388 yands. See New Live. Pails Mark alades, post pays pays you. See New Live. Pails Mark alades, post pays pays and you have been passed to the pass of the passed of the passed of The quantity of a degree of great circle, with the diffuse of any other punished from the equator being given, the quantity of a degree in that penallel is found by this cancer: an the whole his is no the collect of the diffuse of the passed o

as me whose time is to the colone of the diffance of the par-rallel from the cepators is 6 is the quantity of a degree of the countor to the quantity of a degree of the parallel. Suppose, r. gr. the latitude of the parallel gre, and suppose a degree of the equator 69 miles.

| Log, of whole line | 100000000   |
|--------------------|-------------|
| Coline of 51°      | 97988718.   |
| Log. 69°           | 18388491.   |
| Log. required -    | - 16377201. |

The number corresponding to which in the tables is 43 42 100 The number corresponding to which in the cases as 9.5 year miles, nearly; which being multiplied by 5280, the number of feet in a mile, gives the number of English feet in a de-gree in that parallel.—On which foundation (supposing M. Green that parameters with a resultant comparison of Caffini's proportion of 365184 English feet, or 69 miles, 864 feet to 1 degree of a great circle) is built the following table, exhibiting the quantity of a degree of longitude in each parallel of latitude.

|  | of<br>Lat.                 | Ringhith Stat.<br>Miles of<br>5280 Feet.                   | of<br>Lat.                 | English Stat.<br>Miles of<br>5280 Feet.            |
|--|----------------------------|--|----------------------------|--|
|  | Equ. 2 3 4 5               | 69 864<br>69 808<br>69 641<br>69 363<br>68 5254<br>68 4739 | 16<br>17<br>18<br>19<br>20 | 66 2557<br>66 747<br>65 4110<br>65 2088<br>64 5240 |
|  | 6<br>7<br>8<br>9           | 68 4143<br>68 3422<br>68 2590<br>68 1548<br>68 595         | 21<br>22<br>23<br>24<br>25 | 64 3008<br>64 672<br>63 3513<br>63 971<br>62 3609  |
|  | 11<br>12<br>13<br>14<br>15 | 67 4714<br>67 3443<br>67 2004<br>67 576<br>66 4250         | 26<br>27<br>28<br>29<br>30 | 6z 865<br>61 5301<br>61 358<br>60 2597<br>59 4738  |

| Org                  | English Stat  | Deg.                       | English Stat                         |
|----------------------|---|----------------------------|--------------------------------------|
| of                   | Miles of  | af                         | Miles of                             |
| Lat.                 | 5280 Feet.  | Lat.                       | 5280 Feet.                           |
| 31                   | \$9 1503  | 61                         | 33 2804                              |
| 32                   | 58 3453   | 62                         | 32 2483                              |
| 33                   | 58 29   | 63                         | 31 2110                              |
| 34                   | 57 1791   | 64                         | 30 1686                              |
| 35                   | 56 3461   | 65                         | 29 1213                              |
| 36                   | \$5 5040  | 66                         | 28 743                               |
| 37                   | \$5 1248  | 67                         | 27 128                               |
| 38                   | \$4 2648  | 68                         | 25 4800                              |
| 39                   | \$3 3961  | 69                         | 24 4150                              |
| 40                   | \$2 5187  | 70                         | 25 3460                              |
| 41                   | \$2 1147  | 71                         | 22 2752                              |
| 42                   | \$1 2204  | 72                         | 21 1968                              |
| 43                   | \$0 3178  | 73                         | 20 1169                              |
| 44                   | 49 4071   | 74                         | 19 358                               |
| 45                   | 48 4884   | 75                         | 17 4756                              |
| 46                   | 48 338  | 76                         | 16 3866                              |
| 47                   | 47 994  | 77                         | 15 2948                              |
| 48                   | 46 1575   | 78                         | 14 2006                              |
| 49                   | 45 2082   | 79                         | 13 1040                              |
| 50                   | 44 2515   | 80                         | 12 53                                |
| 51                   | 43 2777   | 81                         | 10 4327                              |
| 58                   | 42 3069   | 82                         | 9 3393                               |
| 53                   | 41 3293   | 83                         | 8 2264                               |
| 54                   | 40 3449   | 84                         | 7 1212                               |
| 55                   | 39 3540   | 85                         | 6 147                                |
| 56<br>57<br>58<br>59 | 38 3568<br>37 3533<br>36 3438<br>35 3283<br>34 3072 | 86<br>87<br>88<br>89<br>90 | 4 3454<br>3 3272<br>2 2184<br>1 1093 |

DEGREE, in civil and canon law, denotes an interval in cog nation or kinfhip, whereby proximity and remoteness of blood are computed.

Degrees are the intervals whereby it is known what persons are nearest to the stock or root.—Or they are tise distances of one person from another in the line of consanguinity or affinity, reckoned from fome common parent or anceltor,

affinity, reckoned from some common patterns of the second Annual Parallel.

We fay, the fecond degree, the third degree; Gregory the great was the fift who prohibited marriage to the fewenth degree; which refirstion was long observed; the second degree; which reftriction was long observed; the second council of Lateran, under Innocent III. reftrained the probi

bition to the fourth degree inclusive, that is, to coulin Ger-mans children. See MARRIAGE.

In the civil law, the degrees of kindred or cognation are difently computed from what they are in the canon law .-The first reckons by the number of persons issued from the fame flock; each person sprung therefrom making one de-gree: but with this difference, that in the direct line the orgree. Such what this conference, that in the careful line the off-der begins with the first degree; and thus the father and fon are in the first degree; but in the collateral line there is no first degree reckoned: two brothers being only related in the facond degree, by teafon the father, who is the common flock, makes the first degree.

NOTES, MAKES THE THIS degree.

The canon law observes the fame rule as to the direct line; but in the collateral line, a generation only makes a degree thus brothers are in the first degree, and coordin German's in the feedom. Whereas, the civil law puts brothers in the feedom. cond, and coufins German in the fourth.-So that two degrees in the civil law only make one in the canon law.

Pres in the civil aw only make one in the desired of DECREE, in modeline, denotes a certain pitch or intenfencia of the elementary qualities. See QUALITY.

The degreer ufually allowed are four, answering to the number of the peripatetic elements. See ELEMENTS.

In a degree things answer are rough anwering to the number of the perjorate elements. See ELFRENTENT.

In the febool philosophy, the farme qualities are divided into eight: the hist or highest degree of intention is called at alls. We fly, a thing is cold in the fecond degree, pepper is hot in the third degree. See HEAT and COLD.

Fire is held hot in the eighth degree, and dry in the fourth derree. See FIRE. DEGREE, in chymistry, is understood of the state or intense-

ness of the fire, or heat. See Fire.

Chemists diffinguish four degrees of fire, or heat: the first, is two or three

The feemd, that of four or five ccals, or rather fo much as is fufficient to warm a veffel fenfibly; yet fo, as that the hand may be held on it a confiderable time. The third degree, is when there is a fire espable of boiling a veffel of five or fix pints of water.

The fairth, is when there is fire enough for a furnace.

Theic degrees, however, are all varied according to the different circumfiances of operations, furnaces, veilels, fub-

jeds, &c. DEGREES, in musick, are the little intervals whereof the concords, or harmonical intervals, are composed. See In-

TERVAL and CONCORD.

The muffical degrees are three; the greater tone, the leffer | tone, and firmi-tone. See TONE and SEMI-TONE. The primary cause of the invention of degree, or intervals less than concords, and whereby the concords are divided, and as it were graduated, des Cartes judges to have been this, that if the voice were always to proceed by harmoni-cal intervals, there would be too great a difproportion or in-equality in the intenfencis thereof, which would weary both nger and hearer.

ninger and nearer. Thus, thepoding A and B the diffance of a greater third; if the voice were immediately to aftend from A to B, then because B being acutes, firsks the ear with more force than A, left that diffroportion flooded prove notally, another found, C, ip up between them; by which, as by a fich or degree, we may accord more cally, and with lefs unequal

ce in raifing the voice.

Hence it appears, fays that author, that the degrees are only certain mediums contrived to be put betwirt the extremes of ecrtain mediums contrived to be put betwire the extremes of the concords, for moderating their inequality, but which of themselves have not (weetness enough to fatisfy the ear, and are of use only with regard to the concords. So that when the voice has moved one degree, the car is not yet fatisfied till we came to another, which therefore must be concord with the first found. .

The substance of what is here alledged amounts to this, that by a fit division of the concording intervals into leffer ones, the voice will pass sunoothly from one note to another; and the hearer be prepared for a more exquifite relifth of the per-fect intervals, whose extremes are the proper points in which

the car finds the expected reft and pleasure.

Such is the end and office of the degrees or leffer intervals,-Now there are only three, that experience recommends as agreeable; whose ratios are 8: 9, called the greater time; 9: 10, called the leffer time; and 15: 16, called the femines. By these alone a found can move newards or downwards facceffively, from one extreme of a concord to another, and produce true melody: and by means of thefe, feveral voices are also capable of the necellary variety in passi-

ing from concord to concord. ing from canoni to concord.

As to the original of third degrees, they arise out of the fun-ple concords, and are equal to their differences. Thus, 8 c. gs. rence of a lefter third and Gourt, or of a fith and exter-tion of the concord of the concord of the concord of the Gourth, or of a fith and lefter for of a fith and the form the green of the concord of the fith and Gourth, or of a fith and lefter form.

For the green of the green of the field of rundics. See Sext. p and GAMBUT.

DEGREE, in universities, denotes a quality conferred on the fludents or members thereof, as a teftimony of their profifludents or members thereof, as a teltimony of their profi-ciency in the arts or faculties; and entitling them to cer-tain privileges, precedencies, &c. See University, Fa-

The degrees are much the fame in the feveral univerfities: but the laws thereof, and the difcipline or exercise previous thereto differ.—The degrees are barchelor, mafter and defter; inflead of which last, in some foreign universities, they have See LICENTIATE.

In each faculty there are but two degrees, viz. batcheler and didler, which were anciently called batcheler and mafter: nor do the arts admit of more than two, which fill retain the denomination of the ancient degrees, which in recan alma-denomination of the ancient degrees, wie. betcheler and ma-fler. At Oxford, degrees of mafter and doctor are only conferred once a year, visc. on the Monday after the se-venth of July; when a folemn ach is held for the purpose.

The expences of a dogree of doctor in any of the faculti in treats and set fees, usually amounts to about 100 L and that of a mafter of arts, 20 or 30 L.—There proceed year-ly about 150 doctors and mafters. See Doc nor and

The degree of batchelor is only conferred in Lent; and there

The degree of batchder is only conferred in Lent; and there proceed sidelly about 200 yearly.

It, four team are required, and there are required, and three more for malter of arts. See BATCHELON. At Cambridge, masters are nearly on the time footing, only the discipline is fourewhat more fevere, and the exercise of a contract of the care of

ginning on Alb-Wedneday, To the degree of batchelor of arts, it is required, that the person have resided in the university near sour years; and in his last year have keep philosophy acts, i. e. have defended three questions in natural philosophy, matchmatics or ethics, and answered the objections of three several appoints at families as also, that has have oncoded three times, two feveral times; as also, that he have opposed three times. After which, being examined by the masters and fellows of the college, he is referred to fock his degree in the schools, where he is to fit three days, and be examined by two ma

where he is to lit time days, and be examined by two ma-ffers of arts appointed for the purpole.

The degree of mafter of arts is not given till above three years after that of batchelor; during which time, the can-didate is obliged three feveral times to maintain two philodo-phical queffions in the public febools, and to answer the ob-

jections raifed against him by a master of arts.—He must also keep two acts in the batchelors school, and declaim one. To pass batchelor of divinity, the candidate must have been 10 pais batchelor or divinity, the candidate must have been fewn years mafter of arrs; must have oppoid a batchelor of divinity twice; kept one divinity act; and preached be-fore the university, once in Latin; and once in English. For the DBGRES of doctor. See the article DocTos. DYING, the art, or act of tinging clott, shuff, or other

YING, the art, or act of tanging cloth, fluff, or other matter with a permanent colour, which posteries the ful-flance thereof. See Cacotts, Gr. Dying differs from bleaching, or whitening, which is not the giving a new colour, but the brightening of an old one: it allo differs from painting, gidling, marblings, and print-ing, or framping, in that the colours in their only reach the furface. See Blackinson, Patharitho, Girllans, Gr. Diging my be defined the art of colouring wood, linen, coc-ton, filk, hair, feathers, born, leather, and the threads and webs thereof, with woods, roots, berbs, feeds and leaves, by means of falls, limes, lixiviums, waters, beats, fermenta-tions, macerations, and other procedies.

Dying with regard to the manner of applying the colours, is divided into het, and cold.

DVING bst, See, and come.

DVING bst, See, and come
dients are boiled, before the cloth be dipped therein; or
even where the cloths themselves are boiled in the dyt. even where the cools themistives are boated in the dys.

DYNG colds, "yeysfedge, is where the ingredients are difficient
cold jor at least are fuffered to grow cold, ere the fluffic be
put in them.—V. Sower. D. Coww. T. 2. p. 1607. vov.
Tristure. Salwaf. Exerc. ad Solin. T. 2. p. 1107.
Origin of DYNG.—The dying art is of great antiquity; as
appears from the traces of it in the oldelt facred, as well as

sippears from the traces or it in the covert becrea, as wen as profine writers. The honour of the invention is attributed to the Tyrians \*; though what leffens the merit of it, is that it is fald to have owed its rife to chance. The juices of certain fruits, leuves, &f. accidentally cruffled, are fup-pefed to have furnished the first hint: Pliny afforces us, that poted to have turnshed the furth finit: Plany allures us, that even in his time the Gauls made use of no other dyst \*i is added, that coloured earths, and minerals washed and foaked with rain, gave the next dying materials \*Bell purple, an animal juice, found in a fhell-fish called Marra, Combission, and Parpara, froms from history to have been prior to any of them. This indeed was referred for the use prior to any of them. This indeed was referred for the six of six, and priors, priors agreed more foliables by of six, and priors, priors agreed more foliables by change quality is full to have been taken from a deg, which summer quality are of the purple filter among the crocks, and the summer constraints of the six the article PURPLE.

control, F. 19 at Fig. 19.

"For given as for she the invention of the set of join weaks to the Lipschine of Staket. Heavy Janua Enablish 1964; "Free given as for Lipschine of Staket. Heavy January 
homeony which they fugorial a polifieric of listells, and to discribed the series of them is a tellifornian capselly on the children the series of the control of the contr

furest and most lasting colours.—Dyers of the lefter bys, due petit teints, who are allowed to use the interior forus of drugs, which only yield falls and fading colours.—And fills, wood and thread dyers.—All the higher prized cloths and flutfi are referred to the dyers of the first feet: those of left values, participated in the colour of the colours of the colours and the colours of the colours of the colours. are committed to the mafters of the setil trim. Blue, red, and yellow, are referred more peculiarly to the of the grant trim; browns, fallows and blacks are common to both forts. As to black, it is bound has keep the set of the set of the grant trim; browns, fallows and blacks are common to both forts. As to black, it is bound has keep the set of the ticularly such as are not rated at above 40 fols the ell in white grand unity bowens, fallows and blacks are common to both forts. As to hiske, it is begun by the dors of the grand toning, and familiad by thesis of the fight. —It is been to their actions the size of the first produced to the first produced to the grand of Tyling, though on what grounded we know not. But it is himset, as the first distributed to the grand of Tyling, though on what grounded we know not. But it is himset, we choose I gold not to the grand of the grand for the grand of the grand for the grand for the grand for the grand for gran

the Greek chymits to a good dyr; viz. - Aparence, opening or rarefying of the body to be dyed, to dispose it to imbite the colour.-Boys, the tincture or aye itself.-Karege, or Ere-4se, by the Romans called alligatio, the binding or fixing the colour, to prevent its fading or being discharged

a fourth condition, viz. Erusie, by the Latins called hence, by us lufter or brightnefs. Among fome, these three were done severally at three diffi s, in different liquors, or dec rent operations, in outerent liquots, or occurrent system. first, the full was prepared to receive the dys; this was called \*pososbor\* and forecast; by the focused, the defired colour was given it; and by the third, the colour was fixed on it.—But others did all three at once, with one decochion, and one disp—V. Salmal, Exert. of \$850s, T. 2. p. 1146,

and one dip.—v. Sunnai. Exert. as occupfor.

Advancement of DYING. The basis of a just history of dying, must be a theory of light and colours. See LIGHT,

COLOUR and RAINSOW.—Two things, it may be observed, are chiefly simed at in the enquiry of colours, the first

to increase the materia tindiaria; the second, to fix those co-

lours we have.

In order to these it may be remembered, that some colours are apparent, as those of slowers, the juices of fruits, and the sanies of animals.—Others latent, and only discovered by the effects which the feveral species of falts and other things have on them.

Concerning the apparent colours of vegetables and animals, and the effects of different falts in changing them from one colour to another, we have many infrances in Mr. Boyle, colour to another, we have many initiances in Mr. Boyle, collected and ranged in a new order by Dr. Lifter, as,—1\( \begin{align\*}{l} \), Ether, as,—1\( \beta \),

That acid falts advance the colours of flowers, and berries: thus they make the infusion of balauffia or pomegranate flowers, red-tofes, clove-july flowers, mexicion, peak-bloom, words, red coarse flowers, of a fairer red; and the juices of the berries of ligathrum, of black-cherries, and buck-thorn berries, of a much fairer red. To the firm purpose it is observed, that acid falts make no great alterations upon the white flowers of jaimin and fnow-drops

the white flowers of jufnin and mow-crops, adjl, timous flists and learly, on the contrary, quite alter the colours of the flowers laft named, as well as the juices of the berries abovementioned, from red to green, adjl, Urinous falts and akealy's advance, at leaft do not hurt the colours of the juices of vegetable leaves, woods and roots.—Thus urinous fairits and alkaly's make the yellow infusions of madder roots, red; of brazil wood purplift; of lignum nephriticum, blue; the red infusion of log-wood, purple; and of the leaves of fena, red.

athly. Acid falts quite alter the faid infusions from red or blue

5th, Cochincel, which of itself is red, upon the affusion of oil of vitriol, an acid salt, firikes the most vivid crimson that can be imagined; and with utinous falts and alcaly's, will be again changed into an obfeure colour betwixt a violet and a purple.
6164, All red, blue and white flowers are immedi

upon the affuino of an alcaly, changed to a green colour; and thence, in no long process of time, turn yellow. 7thby, All the parts of vegetables which are gueen, will in like manner firike a yellow with an alcaly.

like manner trike a yellow with an aleay.

8th/s, What flowers are already yellow, are not much
changed, if at all, by an alealy, or urinous fgirit.

9th/s, The blue feed-bulks or glathum fybrethr old gathered
and dry, diluted with water, thain a blue, which upon the
affurfion of bye firikes a green; which faid green or blue beling touched with oil of viritol dyer a purple: and all these

e colours fland, Yorkly, On the tops of the fungus tubulofus are certain red knots, which upon the affusion of lye, will strike a purple, and frand.

For the latest colours in animals and vegetables, discovered to us by the affusion of falts; they likewise are very nume-

rous. We will only mention a few ;- uft, The milky juice of lactuce fylvestris, costa spinosa, & sonchus asper & lævis, upon the assuscion of lye, will strike a vivid stame-colour or crimson, and after some time quite degenerate into a dirty

24th, The milk of cataputia major, upon the affuñon of lye, especially if it be drawn with a knife, and have any time flood upon the blade thereof, will fittike a purple or blood red colour, and by and by change into an ignoble yellow.

24th, The common hawthorn-caterpillar will strike a purple or contains with her and there is the contained on 
or carnation with lye, and fland.

4thly, The heads of beetles, pifmires, &c. will with lye ftrike the fame carnation colour, and fland.

5tbly, The amber coloured (colopendra will give with lye

sidely. The amber colours' inclepancian will give with by a nonfle hearding and pleasing zears; or annelythine, and fland. It remains to be derived—plf, That in all the interest of the pleasing and 
are fixable: an inflance whereof we may observe in the feed hufks of glaftum, and the use syrr make of the leaves of

that plant after due preparation.

3dly, It is probable from the fame inflance, that we may learn from the colour of fome part of the fruit or feed, what colour the leaves of any vegetable, and the whole plant, might be made to yield for our use.

might be made to yield not out use.

Athly, That the latent colours of vegetables are pre-exiftent, and not produced; from the fame inflance of wood; and likewife from this, that the milky juice of lactora fylveftris affords of itself a red serum. 5thly, That the change of colours in flowers is gradual and

contrain.

(contrain, the colours of flowers, which will not fland with lye, feem to be wholly deflroyed by it, and irrecoverable.

—Thus one part of a violet leaf, upon the affulinn of lye, is changed very from into yellow, and will never be revived into a red by an acid falt; but if another part of the fame

leaf be ftill green, it will be revived.

7thly, That dryness feems to be a means, if not of fixing, yet of bringing the vegetable colour into a condition of not wholly and fuddenly perifhing by the otherwise destroy-

ing alcaly,

abby, That those plents or animals which will firthe difference
yet vivid colours, upon the affution of different falts, and
fland, as the cochined, and glaftum, are of all others to be
recknould the belt.—V. Lift. in Phil. Transf. N° 70. p. 2132,

fagg. See also Boeth. Elam. Chem. P. 3. Γ. 2. p. 407, fagg. Edit, Lipf.

DYING ingredients, or the materia timiloria, are best reduced under two heads:—Colorata, or those which properly give the colour.—And non-calibrata, used to prepare the studie for better taking the dye, and to heighten the lustre of the

for better taking the 69, and to fedging the mirror to the The calorier ingredients are of three fores, below globy, would, weld, weed, and crid—To the first feet pelong indigs, would, weld, weed, weld, weed, and the control of the

Of most of these ingredients some account may be found un-der their respective articles in the course of this book; but with regard to their use and effect in sying, it will be necessarry to confider them more particularly, and to bring toge-

er in one view.

ther in one view.

Among the non-colouring drugs, then, from the mineral kingdom come 1—18. Copperss, fitel filings, and flipp (the furfifound in the troughs of old grind-flones whereon edge-tools found in the troughs of old grind-shone whereon edge-code have been ground) which are useful for all true or Spanish blacks; though not for the Flunders blacks—addy, Pewer poly, Listings, though no covered or allowed, is used to add weight to dyed filles—addy, Antimony sade chelly flow the fines pumpel, though it also contain a cingent flow, which by precipitation, (for, affords a green variety of consum-yiely, Articus sade in dyell green from the pre-sentance of the constraints of the containts of the con-taints of the containts of the containts and the con-taints of the containts of the containts are con-taints of the containts of the con-taints of the giving a luftre,—6stby, Verdegreafe, ufed by linen dyers, in their yellow and green colours,—7tby, Alum, much ufed, though with what intent is not agreed on a whether to render water a proper menfirmum to extract the tingent particles of certain hard drugs? or to fecower the fordes, which may interpole between the fluff and the dye, and hinder their due adhelion? or to interpret the hairs of wool, and hair fluffs, that they may better imbibe their colours? or to contribute to the colour itself, as copperas does to galls in maktribute to the colour stells, as copperas does to gaits in mast-ing black, or piace of lemons to cochined in carnations, or aqua fortis impregnated with pewter in the bowdye? or, which feems most probable, to ferve sa a vinculum between the cloth and the colour, as clammy oils, and gum waters, do in painting; alum being a fashfance whole sculested pardo in painting 1 atom being a lantitance whole scalarioth par-icles, diffolew with hot liquors, will enter the porce of fluthis, and on which the particles of dying drugs will catch; though it may also ferre another us, ever. to dry up certain particles which diffugreed with the colour to be superinduced: to which add, that it may also fevre to brighten a colour, by incrustating the fluss to be dyed with its crystale, on which incutating the fluif to be dyed with in cryfits, on which the dye coming to be applied, has a finer effect, than if it ware applied on a feabroan matter, facth as un-alternot electh in-earby, thras, and hum water, whole flower centring the in-earby, thras, and hum water, whole flower centring the color. It is not to be applied to the color. It is not be applied to the color. It is not to be applied to the property of the color. It is not be applied to the property of the color. It is not be applied to the property of the color. It is not be applied to the property of the color. It is not be applied to the property of the color. It is not be applied to the property of the color. It is not be applied to the property of the color. It is not be applied to the property of the

calles, and in the working of bine for.

Non-coloranty ingrivation of the minmal kind, any—of, a coloradors in the minmal kind, any—of, a coloradors in the 
Both were, as imagined) that the Bath alogences, 67: are prepared.

10 of the Bath alogences between years and be a dated a water, by dyen called usine layers, which is of two forex-ly. Well water, also in role, and in other colour wanting and the layer of the layer of the layer of the layer of a taillier, fullin, and the leveral fection of extensive layers, and the layer water, before and forester than the forent, —3dp, New water, before and forester than the forent, or the layer of the layer of the layer of the layer of the forester of the layer of the layer of the layer of the layer of the walling distinct part of the layer of the layer of the Lipser addentally for allel, which is han layer rande of the gratter, and for ever water, bolded as how, and pet in pair bean, and five river water, boiled an boar, and pet in a landen cellum of ette; boar of the days in insmure turn it a landen cellum of ette; boar of the days in insmure turn it bealding of the colour: it is known that flatch, which is only the flower of boar, makes a clining goth, which the conjudinate paper, though not wood or metah. Accordingly, by loss liques are said to merby dying dath, a to to melder, by loss liques are said to merby dying dath, a to to melder, by loss liques are said to merby dying dath, a for to melder bear worker, and thus made to lick better to the ville of the flat dyed—safely Gount, tragecasts, aside, mustic, and fangual discreon, are said in drying fills, thelly to give it a said to excertise this weight. and to encrease its weight,

For the colouring ingredients, colorantia colorata, we have, 1°. Iron and fleel, or what is made from them, which, 11. Iron and fleci, or what is made from them, which, we have observed, are used in dying blacks; brough how they contribute thereto is not so obvious: we know that green caken boards become black by the affirlition of a faw; a green sour apple cut with a knile turns of the same colour; the white grease where with the wheels of coaches are anointed becomes likewise black by means of the iron boxes where-with the nave is lined, and the friction between the nave and the axle-tree; and that an oaken flick becomes black by a the ault-error; and that an oaken thek becomes black by a violent frificion against other wood in a turning lath; and the black colour on earthern ware is given with fealings of ino vitrifica. From all which is feens to follow, that the bassing of blacking lies in the iron, and particularly in in utulatation or afficien. See Blacker, and Blacker results. Be this as it will, copperars, the most usual ingredient for dy-Be this six will, coppern, the mod shall improduce for ju-ing black, it to find the dreptive shore-colds din an in-ing black, it to find the dreptive shore-colds din an in-gents are to accompany it. See Coryen a.s.—ax. Red-cold objects, and grown in a mill, in older drying clash, and the cold objects of the cold object in a cold-position of the cold object in a cold of the cold object in of irrich-colours, layer out by long belling it with gift, and it is closed as a cold object in the cold object in a grown of the cold object in a cold object in a cold object. It can be also that the cold object in the cold object in the cold about with pro-find it able force for propiet. It cally faints with pro-find it able force for propiet. It cally faints with pro-find it able force for propiet. It cally faints with pro-find it able force for propiet. It cally faints with pro-find it able force for propiet. It cally faints with pro-find it able force for propiet. It cally faints with pro-find it also force for propiet. It cally faints with pro-find it also force for propiets. It cally promise the cold in the cold objects of the cold in the cold objects. feerlets are dyed with it. It endures rusch boiling, and is used both with alarm and argot; and holds well: the brighted of the wine with alarm and argot; and holds well: the brighted of the wine hand and a real new low ordering the that; and used with brane water influed of white lispor. See Man-Dake—5. Cockined, ulder with brane lapsor in a power farmate, with sputs forting, gives the dye called among us, though improperly, formed are given, havy acid tains off the instead reduced to this colour, name it towards an onenge, or finne colour. With the reduced the Spuilla healther and or finne colour. With the reduced the Spuilla healther and the colour of finne colour. With the reduced the Spuilla healther and the colour of finne colour. With the reduced the Spuilla healther and the colour of finne colour. With the reduced the Spuilla healther and the colour of finne colour. With the reduced the Spuilla healther and the colour of finne colour. With the reduced the Spuilla healther and the colour of finne colour. With the reduced the Spuilla healther and the colour of finne colour. wool used by ladies, are dyed. See COCHINEEL .- 6°. Anwood uted by ladies, are dyed. See Coc HIMBEL.—6". Annotot gives an orange colour, pelecially to fills, linema and cottons; for it does not penetrate cloth: it is used with potables.—7". Weld, by the help of pot-affer, yields a deep lemon-colour; though it is used to give all forts of yellows. See W.B.L.—8". Wood-way, or green-wood, called also gwilds intelleria, and the dwr's word, has the like effect as weld, though its use is chiefly confined to cearle cloths. If enged according to the depth wood, that the late effects as formed according to the control of t pute the lightness and depth of this colour.—See Wo AD
12\*. Indigo is of the like nature, and used for the same purin India is of the like hunter, and udd for the fine general wavel, only their is frongers. So I service—Ity is nowed, only their is frongers, So I service—Ity is may be find with Januari formerly it was of ill report, as may be find with Januari formerly it was of ill report, as the property of the first property of the property of

brightness of the dye.

The art of DYING may be divided into as many branches as there are different colours to be communicated, and forts of different stuffs to be the subjects of it.

these fire different colours to be communicated, and forts of the colour some zer begun was wannet-tree roots, and annates with the former; though to make them more fervicable they gip them in a weak tinchure of cochinech.—Green are begun with wend, and finished with weld.—Paley-solitors, Imme-culsur, and Jushur-culsur, are given with weld only.—Olive-culsur of all degrees are first put in green, and taken down are in with force more or lake according to the Order are column of all degrees are first put in green, and taken down again with foot, more or less, according to the shade re-quired.—Palement, bair-cases, most, and consume-seases, are given with weld and madder.—Nacorat, or bright or any-read, is given with weld, and goats hair, boiled with poc-sibles.

after. Fuffic here is forbid, as a falle colour.—V. Svrar. D. d. Genn. T. 2. p. 1500, spr. See slid le Tainterier Parfait, de Genn. T. 2. p. 1500, spr. See slid le Tainterier Parfait, Drixto of word for staglify, is performed fifter the finne manner as cloths, excepting blacks, which are only to be wood, and then part in black, as above. Black word for cloth and lerges may be tegun with walnuter root, and fuffice by dipping in a vater of the stagling of the

Blief would pre clair and priege into an origin and accom-tance of thesis. It is begin by boiling that with long Er, the of the clair of thesis and the clair of again with fair water, wrung, and put in another vat of new and fine galls; then washed and wrung again, and finished in a vat of black.—Five black filks are only put once into galls, viz. the new and fine fort, which has only boiled an hour; then they are washed, and wrung out, and dipped

thrie in httels, to be afterworks brought down by lexi-boling with one—V. Seart. Bi. et al., 1 by 15g. fept. Dr 12 of griffernia in begin winn, et ring, and the search of the search of the search of the search and wrang again—Feet a sheef beat, it is given with brai-lette, and indigo.—Bright green is nirt ford blue, both beck-loided with braidings, and venders, and halfy woold—Feet before wooding—Lean, or play fallen, in given with wool, mixt with root—Orange and fielding, with fullis, weld, and rooto—Lean, or play fallen, with fullis, weld, and rooto—Lean, or play fallen, with fullis, weld, and rooto—Lean, or play fallen, or with a mixture of the search of the search of the search of the case given with board, where here, or with a mixture

See, are given with brazil, where alone, or with a mixture of recour—Folia, any reji, and amenent, are given with brazil, taken down with tingle, and copperar, letten down with the see given with galls and copperar, letten down with walls, are given with galls and copperar, letten down and finished with brazilette wood.

Portra of Jairi in down with brazilette pulls, copperar, yet-greetie, disabred and boiled in a copper capible of receiving, models. Here the last are finished to boil fone tine; after which, they are taken out, and futired to lost fone time; after which, they are taken out, and futired to fund and cool; then dipped agains and thus attentable, others or fall the cool of the country of the cool of the difficulty. Street, the city is the proof of the cool of the difficulty. Street, the city is the street the term of the cool of the article HAT.

article HAT.

First of DYSS.—There are divers ways of proving the truth of byts, or examining the juftness and legitimacy of their composition.—To discover whether a cloth have been duly treated by the dyer, and the proper foundations his, a white foot, by the French called rysters, of the bigness of a fhilling, ought to be left; beliefs a white thipe between the cloth

and the lift. Farther proof is had by boiling the dyed fluff in water with

Earther poof is had by boiling the dyed fifth in water with cheer ingredients different according to be quality of the gy-to be proved. If the colour fulsitin the cell, i. e. do not delicarge as it, no very little, but the water in not time-dictange as the covery little, but the water in not time-med. The colour colour colour colour colour colour proof of the Draw of filter—For red crimion, the proof is made by boiling the filt with an equal weight of almo-for fearing criminal colour colour colour colour colour length with the filt, or with citters piece, about a pint to a pound of filt.—These impredients are to be mixed, and of in fair water, when it begins to be fall, after which, the filts are able to be put in; and after boiling the whole for latt a quarter of a tone, if the day is 6 fill, the liques of

the red crimfon will be violet, in case it have been dyed with orchal, or very red, if with brazil.—That of crimson scarlet, if rocou have been used, will become of an aurora colour, or, if brazil have been ufed, red .- And that of vio let crimion, if brazil, or orchal have been ufed, will be of a colour bordering on red.—On the contrary, if the three forts of crimion be truly dyed, their liquors will discover very little alteration.

very little alteration.

A fill furer way to discover whether crimson files have been rightly dyed, is by boiling a piece of standard dyed crimson file, kepe for that purpose at Dyers-hall, after the fame manner, and then comparing the tinetures of the two

bijuon.

To dilover whether ochous have been dyst with galls, the filt is a per in fair believe whether ochous have been dyst with galls, the filt is a per in fair believe were, with possible, we loop, and the filt is a subject of the filt is all vanished, and noting her that of the galls, which is a for of findence, revoke others printing it in bolling water, with a galant of citron julie; being it is holling water, with a galant of citron julie; being the filt is being the filt is being the filt is been been dipelled in a filt of the filt is been concluded with galls, the dilipse, or lipse, it is bolled in fair worse, with a galant filt is distributed by the filt is been been concluded with galls, their dilipse, or lipse, it is bolled in fair worse, with a galant filt is such as the conclusion of the filter worse, with a contraction of t

twee in weight of flory if it be hosten with gall, it wall turn reddish, chertwise, it will keep in colour. It weight, and medicard a fample of it, and it the firmt time, a final and medicard a fample of it, and it the firmt time, a final pool final turn belong the colour of the colour of the in equal in weight to both, regular with a like weight of periodic, it is begin to over the firm in any other time to a start half in hour to be inhen only and compreted—the start half in hour to be inhen only and compreted—the second start half in hour to be inhen only and compreted—the start half in hour to be inhen only and compreted—the start half in hour to be inhen only and compreted—the later when their works would will be both balls, with medicard, it will be of a tim, or minim colours and, if the tree has nother woods, por middents, in colour will if the tree has nother woods, por middents, in colour will if the tree has nother words, and the start is not an in-tered that the colour will be a first the colour will be for cloth why of a minim colour, the proof is to be muck or the first facing manner in the of blacks.

To know whether fearlet, or crimfon cloth, have been dyed with pure cochineel, they are to be boiled with an ounce of alum?to a pound of cloth.

For cloths of other colours, the proof is to be made in the fame manner so that of blacks and minims.—V. Savar, lib.

cit. T. 1. p. 1665, fegs. voc. Debouilli.
Theory of Dvino.—This article we cannot better close, than with fome general deductions which may let a little necessia-

with four garral doubtions which may be a little meeting of pipe. An admittant of the materials, which of the rest of the pipe. An admittant of the materials, which of the rest of them, and the printite frainfastent colors, white, all that great viet, which we fee in dyed fluid, ratios.—2. That for one only in the tire of the pipe of the p materials will of themlelves give no colouring at all, as cop-peras, or galls, or with much disawantage, unlist the cloud, or other fluir to be dyed, be first covered or incrustated, as it were, with some other matter, though colourless, astora-hand; as madder, weld, and brazil, with slaum.—5.\* That some of the colouring materials, by the belig of other colour-bles ones, do fittle different actors from what they would fome of the colouring materials, by the belip of other colour-less ones, do fittle different colours from what they would alone, and of themselves; as cochineel, and brazil.—6°. That some colours, as madder, indigo, and word, by rei-terated tindrucs, will at high become black.—9°. That though green be the most frequent and common of natural colours, which is the property of the colours of the colours. green be the most frequent and common of natural colours, which is now used alone, yet there is no imple ingredient, which is now used alone, to dye green with upon any material is fraggreen, the condend jurice of the names berry, being the nearest is and this only used by country people.—39. There is no black thing in use which dyer black; though both the coal and foce of most things burnts, or (corehed, be of that colours is the colours of the colours of the colours is the colours of the colours is the colours of the colours is the colours of the colours of the colours is the colours of the colours of the colours is the colours. and the blacker, by how much the matter, before it was burnt, was whiter, as in the fancous inflance of ivory black,

—g. The tincture of forme dying fluffs will fade even with
lying, or with the air, or will flain even with water; but lyting, or with the air, or will thin even with wester's but very much with wine, vienzys, utine, Ct.—10. Some of the dynes mustrials are used to bind and throughten a colour's forme to brighten it, forme to give latter to the full, fonce to discharge and take off the colour, either in whole, or in party and fine out of franch, to make the material dyne, if or colly, to be heavier.—117. Some, dying impredients, or drangs, by the contraction; and fonce by dynamical teams the dyne dismostration; and fonce by dynamical team, makes, and fonce by levigating their affertities, fundamentally, and fonce by levigating their affertities, fundamentally. Many of the same colours are dyed upon different stuffs with different materials; as red-wood used in cloth, not in filles; annotto in fills, not in cloth; so that they may be dyed at feveral prices.—13'. Scowring, and washing of stuffs to be dyed, is to be done with appropriate materials; as fometimes with ox-galls, fometimes with fullers earth, fometimes with with ox-galls, formetimes with fallen earth, formetimes with fongs: this latter being permiction in form celles, where per-alties will finish or alter the colour—14.7 Whene great quan-tities of fallis are to be dyed together, ow where they are to be done with great (good, and where the pieces are very long, bound, thick, Ort, how are to be differently handled, both in reliefs to the witch and ingredients,—15°. In form colour both of the colour colours in the colour in the colours of the colours of the colours of the both of the colours in other case body-awarn, in other latter than the colours of the colours of the quota are fitted for ule by long keeping, and in four the witten were away by the fame—17°. Some colours of this latter is the colour of the colours of their colours. quors are fitted for use by long keeping; and in some working wears away by the same.—17. Some colours, or flusts, are bed dyed by reiterated dippings ever into the same liquor at several intervals of time; and some by continuing longer, and others lesser while therein.—18. In some cases, the and others leffer whilet therein.—18°. In fome cates, the matter of the veffel wherein the Riguon are hards, and the tinctures prepared, multi be regarded; as that the kettles be pewer for Dowe-dy——19°. Latte regard is had how much liquor is used in proportion to the dying drups; the liquor being rather adjusted to the bulk of the fluft, in the velicle are to the brendth of the fame; the quantity of dying drups using proportionate to the colour higher or lower, and to the summy propertional to the colour higher or lower, and to the being reopertioned to the colour higher or lower, and to the findis both; as likewish the falsa are to the dying drugs. Concerning the weight which colours give to filks, for in them it is most taken notice of, as being fold by weight, and being a commodity of great price; it is observed, that one pound of raw filk lofes four ounces by washing out the gums, and natural forder.—That the fame focured like may be traifed to above thirty ounces from the remaining twelve, if it be dyed black, with certain materials.—That the realion why black colour may be dyed the heavieft is, that all ponwhy black colour may be dyed to he herwelt is, trat an pon-derous drugs may be dyed black, being all of colours lighter than it; whereas, perhaps, there form to be few or no ma-terials wherewith to encrease the weight of fills, which will confift with fire light colours; such as will having been used, as white artenie to carnetions.

sufed, as white a first to commission.

Of thing suffed in dying, especially blacks, nothing energeds weight fo much as gills, by means whereof black fills re-cover the weight which rely to the yealing out their guant covers the weight which rely to they sufficient to the control of the con

DYING, in a more extensive sense, is applied to all kinds of YING, in a more extensive lenk, is applied to all kinds of colouring spiren to bodies of any fort. See COLOUR. In which fenk, spire amounts to the fame with colorating and include fallating, painting, gilding, mathling, printing, the See PAINTING, GILDING, U.C.—The Chinece are faid to practife the dying of ten with catechu, which gives the green-tea leaf the colour, and its infusion the tincture of bobea.—V. Short. Diff. or Tea, pref. p. 15. See also the articles TEA and CATECHU.

bokes—V. Silver. Diff. or Ton. prof. p. 15. See also the atticle Ta. an all CATE CAU.

Line of the control of the control of the city of the control of the city of the cit

preparing of earth, chalk and fattes, as in under, other, other cullens-carth, 6%, out of the cales of lead, as cernfa and ministum; by faithmates of mercury and heimitone, as in service, and fatter of the leakers of the server produced to the leakers of factors of the leakers of factors of the leakers of the leakers of factors of the leakers of the adhelion of ox-gall, as in the manufed paper anorelial, or by gum-water, as in limining; or by clammy drying oils, as the oils of linfeed, muts, fpike, turpentine, &c. See PAINT-CALENDER, CALENDER, TABRY &c.—V. Petty dp-par. Hift. of Dying, ap. Spint. Hift. Roy. Societ. p. 285,

for. Glafs ded is the common matter of artificial jewels: the tinctures are given with asker, managamele, ference, cross martis, \$G\_c\$. The proceeds are described at large in Annonio Nori, & Re Fitzeria, Lib. I. c. 12, 13, 14, 583.—See

also Giass; Gass, Gr.

The Peruvian women, when grown old, s/s their grey hair black by a very untoward optration; sex. holding the head fome hours with the leafs fopped in a boiling tincture of the root of a tree called archae, by the Spaniards manage. "These brooks and frings mentioned by Strake, Play, and when were much home commonders, which would have been such as much home commonders." Their brooks and fyrings mentioned by Sariss, Plafy, and cotten, were much more commodium, which would knapped the colour of the lain as well as of the coast of animals, which would knapped the colour of the lain as well as of the coast of animals, which had been been been as the colour of the lain as well as the lain as the lai

Drive of the thirty, time, the property of the thirty of the thirty, time, the property of the thirty of the thirt or a may be given by unsuperage on a many be may be given by unsuperage or a may be given by unsuperage or a may be given by the many bears in the first, and hyping then two bears in all legal remains with injustion, he first one or, all reports and the state of th

comin all if a be fufficiently exhaust.—V. Park. Tren. y Pypan. c. 27, P. 26, p. 28. p. 29. p. 20. 
rangin. context. N° 130, 17. 1. p. 201.

The refuse of the bow-dye given hops to feed on, is faid to these their very bones red. This is a spontaneous kind of slies, not unlike that in Virgil 1 who speaks of slies wood on the shores backs, by their feeding on properly calcured vegetables: Nec variss difeet mentiri lana celares:

hje fed in pratis aries jam feave rubesti Maries, jam eroces mutabit vellira lots : Spoate foa fandyn pafențes coftiet aguss, The difficulty is to conceive how lambs should feed on the

Studys, which is a mineral fubilizance; the fame with what is extensife called fundamenta. It is certain the poet takes means a sum of the property of the first with which is the paths, as we have go delivered by Physics of some of the paths 
YMNASIUM\*, a place fitted for performing exer-cises of the body. See GYMNASTICES. YMN ASIUM; a pane the set of the body. See Grmnatters.

The word is Greek, yawarus, formed of yaw@s, mkcd; by reafon they anciently put off their clothes, to praftife with the more freedom, was a rabilic edifice defined

with the more freedom.

Among the ancients, gennofusus, was a public edifice deflined for exercife, and where people were taught, and regularly diffeijihined therein, under proper mafters.

If we may credit Solon in Locains' Anachorfit, and Cicero de Grat. lib. 2, the Greeks where the fift who had gennefit is a constant of the control as trait, no. 2. the vircess were the nit who had gymedia; and among the Greeks, the Lacekemonians; after them the Athenians; from whom the Romans borrowed them. There were three principal gymmighums at Athens; the academy, where Plan taught; the feeture, noted for Artifiche's lectures; and the cymfarget, allotted for the populace. See

ACADEMY, and LYCEUM.

Virmying deferibes the fire-course and form of the ancient

Virtuyes decrease the tree-weet and soint of the ancient gramafams, lib, 5, c. 11.—They were called gramafas, be-cause the champions performed naked; and palasfires, from wrystling, which was one of the most usual exercises there: the Romans formatines also called them therman, because the baths and bagnio's made a principal part thereof. See PA-LESTRA, BATH, &c.

leads and beginder made a principal part thereof. See PA-ATTAA\_LEATTA, properties that or executing pairs and the recenting pairs and the recenting pairs and the careful part of the pairs and the careful part of the pairs which they did not buy date before the three from the pairs which they did not buy date before the three from one of the drawn models; and entarging this, he threw them only the pairs and the pairs an traini cast, referred for exerción wherein they under bulk. St. Large unpared alleys, which comprehended the fives between the portions, and the walls whereverth the effice was furnated.

St. Large unpared alleys, allested for the portion of the

their different effects, and could accommodate them to the different complexions of the sthlete. 4. The prateriba, whose buffers was mechanically to teach the exercise, without underfinading their theory or use. Under these four offscen were a number of fubbletens, whose names diffinguished their different functions.

diffinguished their dimerent functions. For the kinds of exercisis, practified in the gameeline, they may be reduced to two classes, as they depend either on the action of the body alone, or as they require external agents, or inframents. The former are chiefly of two kinds; orflice, and palaffrice.

The srebiflies comprehended, 1°. Dancing, 2°. Cubiflies,

or the art of tumbling. 3° Spheriffies, or tennis, lifebuling all the exercise with piles, or balls.

The polarities compressed all exercises under the demonitant-on pineling is no surpfiling, keong, paneratis, lophunchla, ramung, Joseph, selmong the define, the exercity of the first-ramung, Joseph, selmong the define, the exercity of the first-fine and that of the door, demonitated by the Creeks weight, which consisted in redning an iron bone, five or far foot in the whole consisted in redning and rambon five the first weight of the self-rame first se

the people to give way, affiled them allo as dischement. Both through and full ower copuline in directing this loop, which was to be driven with an iron rod. To take much allo the cables, the exercisal belonging to the To take much all the cables, the exercisal belonging to the configuration of the con

feetoming.—Hoffman enomerates no les than hity ave forts of gymanfile exercises.

GYMN ASTICKS, GYMN ASTICE, or the GYMNASTICA, or the GYMNASTICKS, and the start of performing exercise of the body, whether for defence, health, or divertion. See GYMNASTUM, The promotifier at is divided into three foecies, or branches pullitary, medicinal, and subdate, or fastive.

Everal modern writers have treated of this art, as Mercuria—Everal modern writers have treated of this art, as Mercuria—

Several modern writers have treated of this art, 20 Mercuria-lies, de arte Goungline i Faber, in Agouille. Joubert de Gymnoffie; Cagnatus de Sanir, turnd. Volficas de Quatuar Ar-tib. Popular. Meurlius de Orchoffres; Fuller in Medicina Gymnoffice; and M. Barrette in feveral differentions on the ancient Dancing, Spheriflies, Athletics, Wrefling, Pagillate,

Comment To a member of the Arthur of The Comment of nally only amusement, became at length a matter of such rtance, as to interest samous cities, and entire nations

its practice.

in its practice.

Hence an embation and engernets to excel, in hope one day of being questioned and coward conqueron in the phase-interest of the phase of the Greeke gargeting in a phase in the phase of the Greeke phase of the Greeke phase of the phase of the phase of the Greeke phase of the Gre that deleription, which is the earlieft measurement over status of the Greeting groundling, it appears that they had charies mees, boxing, werfilling, foot race, plaintent, throwing the direa, drawing the low, and antique they relief and the control of the cont these who had found that nothing contributed to much to the preferration and re-effablishment of health, as exer-cises proportioned to the different complexions, ages, and sexes, did not fail to rmit them to the predict of growerfiles. According to Plato, one Heredicus, prior a little to Hippo-crates, was the first who introduced this art into physic; and this facersfors, convinced by experience of its ulcfulnes, ag-

his functions, convinced by experience or its unrunners, ap-plied themfelves in carnel to improve it. Hispocrates, in his book of Regimus, has given inflances of it, where he treats of exercite in general, and of the parti-cular effects of walking, with regard to health; also of the different forts of races, either on foot or horbback, kaping, wrething, the exercite of the fulprated ball called corpus, where the contract of the superior of the contract of chironomy, unctions, frictions, rolling in the fund, &c. See

FRICTION, Ga.

But as phylicians did not adopt all the exercises of the gym-nafic art into their practice, it became divided between them and the masters of martial and athletic exercises, who them and the malters of martial and athletic excretifes, who kept fehools, the number of which was greatly encreafed in Greece. See ATHLETA, Ut. At length the Romans also caught the fame tafle, and adopt-ing the military and athletic exercises of the Greeks; im-

ing the military and athletic exercits of the Groeks; improved and advanced them to the atmost pitch of magnificence, not to fay extravagance. But the declention of the empire involved the arts in its run; and, among others, gammaflier and medicine; which last unhappily then relinquished the title it had to the former, and has neglected to return it ever fince. See Medicine.

LUSTRATION, Expiration; facrifices, or ceremonies, by which the Romans purified their cities, fields, armies, or people defiled by any crime, or impurity. So TRUM, EXPLATION, PURIFICATION, &c. Some of their luftrations were public, others private

Some of their lightenius were public, offices private. There were there species, or, nanners of performing lightenium; vis. by fine and fulphurs; by water; and by air; which laft was done by fanning and agisting, the lair, round the thing to be purified. See ABLUTION. There was alfo a popular kind of lightenium for young children. See LUSTRAL day.

Lonnier has a volume experie on the lightenium of the anti-

ents: Joh. Lomeieri Zutphanenfis Epimenides, five de vete-rum gentilium Luftrationibus; first printed at Utrecht in 1681, and fince, with additions, in 1702. 4°.

All persons, flaves only excepted, he shews, were ministers of some fort of lustration.—When any one died, the house was to be fwept after a particular manner, by way of purifiestion: the priefs threw water on new married people, with the like intention.—To purify themselves, people would even fometimes run naked through the fireets; such was their Activargance. And, as if fancy were not fertile enough in inventing modes of luftration, they even ufed enchantments to raife the dead, in order to get infractions what they must do to purge themselves of their first. Add, that they frequently raised the opinion of the fancity of their explations but fifting natively.

by fictitious miracles The birds, fay they, practife luftration, both by washing themselves, and throwing water on their nest. The hen rakes straw, and uses it to purify her chickens.—There was Takes throw, and used it to pullify nor cinckens.—I nere was fearce any adhon, at the beginning and end of which the Gentiles did not perform fome ceremony to clean's tem-selves, and appeales the goks. When they had no animals to facifice, they made the injure of the beatt they would offer in dough, metal, or other matter; and thus skerificed in eligy. Some expistions were performed in the water; for which Some explations were performed in the water; for which reason, certain fountains and rivers were in great reputa-tion: others were performed in the air.—A certain heathen cauded himself to be fericoulty fifted in a feee, as we now fift corn: another hang himself by a cord, and was toffed backwards and feewards: another flut his eyes, and fet himself blindfold to find out a notegy tied to a cord; others. played at fee-faw, as a more efficacious way of appealing the

gods, Fire was much used for explation: fometimes the penitents were east into the fire; at others, only brought to the flame, or fmoke.

to most.

It was common, on these occasions, to shed human blood:
The priefts of Cybeke, Bellona, and Baal, made cruel incitions on themselves.—Erectheus, king of Attica, facrificed
his daughter to Proterpina. Several had their throats cut at Rotne, to obtain the emperors health from the gods. Those who commanded armies, offered one of their foldiers to appeafe the anger of the gods; that he alone might fuffer all the wrath the army deferved.

the wrath the army deferved.
All forts of perfunes, and odoriferous herbs, had place in highration—The egg was much ufed among them, as being the fymbol of the four elements: its field, they fays, represents the earth; the yolk, a globe of fire; the white referrable the water, and befules, it has a fiprit, which reprefents the air. For this reafon it is, that the bonna's, or Indian confidence in the control of the perfect of the reafon it is, that the bonna's, or Indian confidence in the perfect of the reafon it is, that the bonna's, or Indian confidence in the perfect of the reafon it is, that the bonna's or Indian confidence in the perfect of the reafon it is, that the bonna's or Indian confidence in the perfect of the reafon it is, that the bonna's or Indian confidence in the perfect of the first the total to the the beauty of being pricing, believe to this dip that the world came out of an egg.—There is factor any pro-beth, pulse to the single price is factor any pro-beth, pulse to the most, which they did not offer the gold by way of explainment, which they did not offer the gold by way of explainment to the single price of the strainment of the probability of the down of the probability o it being the common opinion, that their fouls perified with their bodies. And hence it was, that perions in danger of Shipwrock fometimes thrust their swords through their bodies.

that they might not die in the fea; where they thought their foul, which they fupposed to be a slame, would be totally extinguished.

extinguished.

The moft celebrated expiatory facrifice was the becatomb, when they offered an hundred beaths; though they commonly did not offer for many, but connented themselves with killing twenty-five; but those being quadrupeds, their feet came to an hundred. See Hire, a versue, and last the state of the state

Laftrations, and sutratory incrinces were not only performed for men, but also for temples, altars, these, foun-tains, rivers, there, fields and villages. When the Arval brothers offered a vickim for the fields, their facrifice was called ambarunita. See AMBARVALIA.

called ambarrania. See ANARATALIA.
Cificis were all to be partified, from time to time: forme walked the victim round their wrills, and then flew himwalked the victim round their wrills, and then flew himtheir city, and the other for the women. The Corticus of 
facrificed the children of Modea 61; though the poets for 
Modea killed them herful. The Romms performed the 
certamony of guirfying their city every fifth year; whence 
the contraction of the contraction of the 
certamony of guirfying their city every fifth year; whence 
LUTYAUM.

LUSTRUM.

the man or signiness, given to the tipsec on me yetika— see Divers of the explainess were authere: fine fidirel, other abiliation if from all factilas pleidares: forme, as the princh of charles of the princh of ven, bezinet hat golden underwent the fame operation, af-ter the death of he Industal Offitis—In form ceremonia the prieth were flood, in others bare-foot: the prote septral the brinesh yeth word owneds. They had no girdless may the theory of the protection of th

them boy: nence, Nepumes trisent, experies three means and Jupiter's thunder-dart, with three points. They cast into the river, or at least out of the city, the ani-mals, or other things that had served for a lustration, or facrifice of atonement; and thought themselves threatned with fome great misfortune, when by chance they trod upon them. —At Marfellles, they took care to feed a poor man for fome time; after which, they charged him with all the fins of the country, and drove him away: those of Leucade faftened country, and drove him away: those or Legicuse success, a number of birds to a man charged with their fins, and in that condition caft him headlong from a high tower; and if the birds hindered his being kilke, they drove him out of the country

the country.

Part of their ceremonies were sholified by the emperor Confination, and his faceoffers the reft fishfield till the Gothie
hading were mattered of Rome, nearby worth on they experied
had been supported by the control of the control
to output into the church, where they make a figure to the
day; without the numerous condectances, benedicious, excorcifina, shohitons, fapriaklings, procedions, fools, Gr. fall;
run die in the Roman church. See Costen Cantron, Ser.

LUXATION\*, LUXATIO, in medicine and fargery, the
figuring of the had of a Bone from in proper recopcious
figuring of the had of a Bone from in proper recopcious.

impang of the head of a bone from its proper receptace, into another place; whereby the natural motion of the joint is deftroyed. See Bone, and Application 7.

The word is Latin, formed from heaver, to begin.

Laxation is the fame with what is otherwise called diffication 5. Learnines is the same with what is otherwise called diffuenties; being the diffuencing of a bone, or rather the disjointing of two bones arriculated together for the motion of the part. Locatins are either violent, proceeding from fome external case(z) as Edls, firmin, blows, leaps, extenhous, Gr.—Or guilt, ariting from internal case(z) as a natural laxity of the ligaments, a fluxion of humours, or zradual collection share.

ingaments, a motion of humours, or granual collection there-of between the joints, &C.

Louaties, properly, has place only amongft bones whole firuc-ture determines them to a manifelt motion, as are all those united by diarthrofu; those articulated by fynarthrofu, where there is no manifelt motion, are indeed fubject to fackure, carics, excitofis, &C. but not to huntin. See DIARTHRO-

513, Gt., Locations, again, are either purfell, or imperfell. refell, or complete United the profession of complete United the control of the cavity of another.—It is known by a tumour, or protuberance, formed by the head of the Esperade bone, which raise up the filing, and mufcular fleth above its natural level in the part not de-

ned to receive it; and a hollowners or finking in the place from whence it is flarted, perceivable by the touch.—It is also attended with great pain, a total abolition of motion, and a fhortening of the limb.

and a flortening of the limb.

Imported, or period Luxation, Hapapopuna, called allo
fullmention, is where the motion is only much impaired, the
joint weaked, and a deformity perceivable in it, when compared with the oppofite part, which is found.—This to therwife called a frein, when it perceeds from an external cast;

in the control of the con or, fimply, a relexation, when from an internal one. A leastist is faid to be fimple, when it has no other accident

or injury accompanying it—complicated, when it is attended with a wound, inflammation, fracture, or the like. The cure of a lexation is by a speedy reduction of the dislo-cated member to its natural place.—To this are necessary. 1°. Extension, arritaris, which a luxated as well as fractured member requires; as well on account of the contraction of the tendors, as that the head of the bone may more directly be intraded into its fest.—This extention is made either by the hands alone, which is called mediat palaeffricus, because, among wrettlers, diflocated members afe to be reduced after this manner; or by ligatures, or towels; or by inftruments, or great machines, when the lawarism is difficult, and inve-

2°. After extension, follows the intruding of the joint into 2". After extenbon, belows the introding of the joint into the natural extry swhich, likewise, may either be effected by the hands only, or by the hoel, (as when the head of the eshamei is fallen into the arm-pil or by means of hadders, decors, pelles, or Hippocrater's inframent, called analytic fields of the properties of the control of the control of the third, which is called againstif, became performed by harge inframents, and machines, but now altogether out of the properties of the pr

Goarmelinus to these adds, and terms, the very act of reducing the member into its own place, which is to be known by the found usually heard, and from the use and motion of the re-

duced joint. duced point.

Laftly, because on account of the laxity of the tendors, &/e.

the reduced bone cannot remain in its natural position, it
is necessary yet further to apply compresses and bandage; by
whose means the articulation is preserved fast, till the
ligaments may acquire their usual strength of elasticity and

distribution.

LYRE .- Mr. Barnes, in the prolegomena to his edition of Anarrow, has an enquiry into the antiquity and structure of the lyr; of which he makes Jubal the hist inventor. For the several changes this instrument underwent, by the addition of new firings, he observes that, according to Diodorus, tion of any firming, no concrete time, according no association, in had originally own three; whence it was called supplies. Finding, Horace, Virgil, Sec. Fethu Avienus given the feet of Orpheus nies fittings. David mentions an infirmance of that feet fittings. David mentions an infirmance of that feet fittings from the delivent, which much eleven. Jesphan, in his Jesuis desirability, in his parties of the desirability, in his parties of the delivent of the delivery of the with twelve firings; to which were afterwards added fix others, which made eighteen in all.—Ancreon himfelf fays, p. 253. of Mr. Barnes's edition, coats original test clowdin.— For the modern byrs, or Wellth harps, confifting of forty firings, it is infificently known. LYRIC.—This species of poetry was originally employed in

celebrating the praises of gods and heroes; though it was af-terwards introduced into feafts, and public divertions: it is a terwards introduced into reatts, and puone orversions: it is a mittake to imagine American, as the Greeks do, the author of it; fince it appears from feripture to have been in use above a thought dyears before that peet.—Mr. Barnes shows how anjust it is to exclude heroic subjects and actions from how ainjust it is to excuse herore tabyets and actions from this fort of verie, fyris setting being capable of all the cleva-tion and fablimity fuch fabjech require; which he confirms by the example of Alexus, Stefichorus, Anacreon, and Ho-race, and by his own cflay, A Trimphol Ode, inferited is the dair of Mariberegob, at the head of this edition; he concludes with the history of hric posty, and of those ancients

PAPER \*, a thin flexible leaf, afisally white, artificially prepared of some vegetable substance, chiefly to write upon, with ink. See Walting, like, See. \*The word is formed from the Greek \*errors\*, \*approx, the name of an Egyptian plane, called also plane, biblio, where can be engineered to deep with the contractions to deep with the contractions of the contractions to deep with the contractions of th

on the ancients gird to write.

Various are the materials, on which mankind in different Various are the materials, on which manning in discrent ages and countries have contrived to write their fentiments; as on flones, bricks, the leaves of flowers, and trees, and their rinds or barks; also tables of wood, wax, and ivory; to which may be added plates of lead, linen rolls, tr... At to which may be added plates of lead, linen rolls, etc. At length the Egyptian payrus was invented; then parchment, cotton payre, and hilly the common or linen payer. And hilly the common or linen payer. As a part of the payer. As a part of the payer. As a payer of the payer. As a payer of the payer of the payer. Alex, and Action. It as c. 50. Birthal. Diff. 4, de Liér-Legard, p. 60, feq.

who excelled in it.

In some places and ages they have even written on the skins of fishes; in others, on the intestines of serpents; and in others, on the backs of tortoiles.—Not to mention what Epiphanius relates, that Mofes received the law written on ta-bles of fapphire; nor what the Cabboliffs dream, that the fame was written on a globe of fire; nor lastly, those mil tary testaments spoken of by civilians, which were written in the dust or fand by

in the out or find by

\*\*Fid. Mbold, & R. elphenet. I. t. c. S. Fabric. Elbl. Act. c.

21. § 9. p. 610, feq. Reimm. Idea Sylves. Actin, Liter. p.

190. See also the article Boos, PARCHMENT, Cf.

There are few parts of plants but have been used for paper,
and books: and hence the kveral terms, bibles, called, liber,

\$\tilde{L}\_{

and books: and hence the feveral terms, shifter, orders, there, fillium, tabelag, little, philorae, choods, fec. which express the feveral parts on which they were written: and though in Europe all diffugerated upon the introduction of physics and parchment, yet in some other countries the use of civers of them obtain to this day—In Ceylon, for inflatnees, they write on the leaves of the Talipoe: The Bramin MSS. in write on the leaves of the Talipot: 'The Bramin MSS. in the Talinga language, fent to Oxford from Fort St. George, are written on leaves of the Ampana or Palma Malabarica: \* Itermannes gives an account of a monfirous palm-tree call-ed Cadda passag, or Pelma Meanan Malabertica, which a-bout the 35th year of its age, rifes to be 60 or 70 foot high, with plicated leaves nearly round, 20 foot bread a wherewith they commonly cover their boules; and on which they also write, want of means falls into a mala machine. wherewith they commonly cover their boulets and on which they allo write part of one leave inflicting to make a mode-rate book. They write between the folds, making the cla-arders through the outer cuttles.

\* Know. Hell. Cryst. 1, 3. Le Clere, Bill. Univ. T. 23, p. 242;

\* Phil. Trang. No. 245, p. 242, fieq.

\* Fall. Books. P. 3, Phil. Trang. No. 145, p. 103.

\* In the Middlere dilands, the rather are failed to write on the

In the Maldivec filands, the natives are faild to write on the leaves of a tree called measurgara, which are a fathern and a half long and a foot broad. And in divers parts of the Estf-Indies, the leaves of the music arbor or plantain tree dried in the fain, ferved the same wife, till of late that the French have taught them the use of European paper.—Ray, in fine, renumerates divers kinds of Indian and American. in fine, commerates oftens kinds of aneum and attenuent trees which bear popers particularly one called seques, which has fomething in it extraordinary: its leaves are fo large, and of fo clofe a texture, that they cover a man from top to toe, and their him from the rain, and other inclemen-cies of the air, like a clock; from the innermoft fubflance of cies of the air, like a closk; I from the innermont substance or which kaves, a paper is taken, I being a white and fine membrane like the fidin of an egg, as large as a fixin of our vellam or parchamet, and nothing inferior for beauty and goodness to the best of our papers; \*\*Pid. Savar, D. & Coss. T. z. p. 967, \*\*Pid. Ray High. \*\*Pid. Savar, D. & Coss. T. z. p. 967, \*\*Pid. Ray High. \*\*Pid. Savar, S. on 
beaten to a pulp in water, and moulded into square sheets, of the thickness required.—But it may also be made of nettles,

the thicknefs required.—But it may also be mind or nextles, by turning, partings, colored leaves, earth-slaw, or any large transport of the strength of the st Hought, Collett. No. 360, T. 2. p. 418, feq. E Descript. of Chin. p. 360, feq. E Vid. Enberg. Legat. Twee. Epid. 6.

PAPER with regard to the manner of making it, and the mu

AFER with regard to the manner of locating is, and the state employed therein, is reducible to divers kinds: E-gyptian, European and Chinese paper; we also find mention of cetten paper, bark paper, and aubifine or incombustible

paper.

Epption PAPER, it that which was principally used among the arctivate; made of a ruth culled perperu, or sidner, growing chiedly in Egype about the banks of the Nile, though it was also found in India; and Guilhadimas filiares us, he faw in Casalles, a the confusions of the Tygris and Espirators, and in Casalles, as the confusions of the Tygris and Espirators, didifficing in nothing from that of the Nile. Setho Missing didifficing in nothing of room that of the Nile. Setho Missing found to the Nile.

differing in nothing from that of the Nile. Ferbol likewise frequency of a popular growing in laby), but we do not replace of a five of appear growing in laby) in the we do not The defeription given by Pliny, if it he popular on paper-raph, is domewing takent. He troes, according to him, a forth thickness of a man's arm, and ten cubit long; from this arrive agree a name for a great name for citrappular Halls do or 7 cubits light, each thick crough to be cally financed. Its leaves are long in the contraction of the contraction of the financiary, ranged in authors at the customized to the financiary, ranged in authors at the customized to the financiary ranged. in clufters at the extremities of the flake; its roots woody and knotted like those of rushes, and its taste and smell near

and knotted like those of rulbes, and its stife and finell near 2-kin to those of the Cypeus. 1.

1º 1/4, Plin. Big. Nat. 1, 13. c. 11.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 11.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy. High. Nat. 1, 13. c. 13.

1º 1/4, Thomphy.

Befiles polyre, they make falls, ropes, and other naval rigging, as a life mats, blankets, clothes, and even flujs, of the falls of the polyram. Models, were treatly, when a child, were expected on the banks of the Nile, or the energy, i.e. in a captured of the control of the control of the control of polyram. Guidentime, a Pfulles replyrican, has a cele-brated work expectely on the ancient polyram, by way of commensury on these clapsers of filling, wherein is an ply, and with great learning, explained all their relaces to that displet; yet childput has written a ferree critique on it, pity, and with great Karning, expanses an that relates to this dubjed; yet Scaliger has written a fevere critique on it, in which fome inaccoracies of Guilandinus are pointed out\*\*, which has not hindered Kirchmayer from adopting almost Guilandinus's whole book in a differtation on the papyrus \*\*\*. Add, that the most ingenious and learned count Scipio Maffei has lately vindicated Guilandinus against the

fully examined all the ancient Greek and Latin autonor was figual of it. "The Anti-Archive Companies of the Con-Life of the Conference of the Latinus Mildelecture measurable, of Radelphin capitals, at Humborgh in 1682—Where the follow Grindmins flop by drep, Linds on many feath in him as his father had done in Carlate, and dash has alreaghed as consider year where pointing out his literary mildales, and blooming in how, corrected him, changing They, he has often statistics and

that tellend of returning Pursy, he has often mutaken and corresped him.

\*\*\* M. Sch. Kirchmaier Uffenhaimsenfi Franci Differtative Philiba-gies de jodgre veteram. Fitteberge, 1666. 400.—11e bad done better ierrises, if befides Gullandinus he had conduited others, and particularly Scaliger. But as he choic to follow one ra-ther than many, and that noo to the blind 6000w their guides, his fite has been much the finar.

an rate has been much the fame.

The origin of the art of making paper of the paperus is very obstere: no doubt it was firlt discovered in Egypt. Islidore fixes it more particularly to the city Memphia.—Orig. 1. 6. c. ro. In which he feems to be countenanced by Lucan, where he mys,

where he says,
Nondam faminess Memphis continues Bibbs
Noverest
— Pharfal, l, 3, v, 222.

The era of this invention is warmly diffured: Varro the
most learned of the Romans, fixed it to the time of Alexander the Great, after the building the city Alexandria by that der the Great, after the building the city Alexandria by that conquercy; but forward objections of no finall weight are brought against this decline. Pliny recises a pulling out of ton it much of poper books found in Numfa tomb 5 and the time and the of the happens were known to the Greeke long before Aksender compacted Egger; and that the words followed the compact of the compact of the compact of having pole too, or at least ablert than Aksender, particularly American, Alexen, Plate the compaction, Arithomose, Ca-timus, Antiphanes, Plate the philodopher, Æckylva and Ari-folde. And whetens fome fisch of know now twas I femi-fields. And whetens fome fisch of know now twas I femi-lifield, known before the difference of the true fort, he ar-gues on the contrary, that the labor membraned by their su-gmes on the contrary, that the labor membraned by their sugass on the contrary, that the snoat mentalized by these and those prior to the conquelt of Alexander, appears from Herodotus, Theophraffus, and others, to be the very fame plant with the shifat or palyras, of which paper was made. Even Homer and Hefsod, the most ancient Greek poets, and who, by Herodotus's tellimony, lived about 400 years. before himself, appear to have been no firangers to the pa-press, fince they make express mention of it?.

\*Yid. Plin. 1, 13, e. 13.

\*Guilland, Papr., Mendy, 2, Re-jam. Idea 836. Autis, Liter. p. 285, feq. Kirchmal. Diff. de

Paper, Art. 11. 5 2.

To this it may be answered, that supposing the plant papers. known in Greece long before Alexander's conqueft of Egypt, it no more follows, that they had then the use of paper, than it follows that men had wine immediately on the discovery is follows that men had wane immensitely on the discovery of the vine; this lift it is certain was known among them long before they made wine; and to this day, a part of the new world called Fierda is fall on abound with rines, though no use have been yet made of them either by the inhabit-tants or the Spaniards. As it was with the vine, which must have been known before wine could be made from must have been known before wine could be made from it, so it is with paperas, which among the Greeks was long used for tying up things, before it came to be written on. In reality, Guilandinus produces testimonics from Anscreon

and Alexeus, in which the paperus is employed for binding and not for paper: add, that he ill translates subpages suggest, ellychnium, fince auguste here is the torch itself. Nor does ellychnium, ince woyde here is the torch itself. Nor does the poet fay it was made of popyrar, but tyed up with it— Vid. Scalig. lib. eit. Reimm. sis fapra, p. 305, feq. Some have even doubted whether the art of manufacturing the papyrar was fo ancient as Alexander's time, chiefly on this ground, that for 200 years after Alexander, men wrote on fkins, and barks of trees: but this is no-wife conclusive. The fearcity of the new manufacture may account for it: fome ages afterwards, even as low as Tiberius, we read of fome ages afterwards, even as fow as l'Iberius, we read of fach a Earchy of pelor, that is uf even in contracts was differed with by a decree of the fenate, and the opinion of the judges. The fame confideration may be carried further: pelor might have been known in Egyps, Judena, Syria, and Afan on this fide Taerus, long before the birth of Alexands, though not in common use: but it was later ere the Europe-Alia on this hole I avera, long bedoer the burth of Alexander, though not in common use: but it was later eet the Europeans received it; and probably it was by means of Alexanders conquest that is first became publicity known there. When the manufacture of the Egyptian paper cased, is another question; for at prefent the Departationia Agystians may be reckoned among those arts that are lost. Eulathius, the learned commentator on Homer, teftifies, that even in his time, viz. in 1170, it was diffused 1 Mabillon indeed intains that it continued till the XIth century after Christ, and cites one Fridegod, a monkish poet of the Xth century, as speaking of it as substitutes in the age before his, that is in the LXth; but that it continued longer, the same Mabillon endeavours to evince from several papel bells wrote on it as

low as the XIth century 4.

low as the XIth censury.

\*\*PLE Bullah of Planer: Origin & Fig. & der. Comm. 1. v. c.

\*\*T. & Mahill. & de Sofphant. 1. v. c. 8. 5. 6. fees,

\*\*T. & Mahill. & de Sofphant. 1. v. c. 8. 5. 6. fees,

\*\*Reman May 6 Month, Part. p. 1. 11.

\*\*The Manillah of Month, Part. p. 1. 11.

\*\*The Mahill. & de Sofphant. 1. v. c. 2. 1. 1.

\*\*The Mahill. & Month, Part. p. 1.

\*\*The Mahill. & M particular persons several hundred years after it first began to

particular perions leveral hundred years after it drift logan to be wondered at give ways, in not to be wondered at \$100 km s.c. 100 km

Yet several books written on leaves of the sosprus have even continued to our days: Mabillon fays, he had one of them, and adds, that there is another in the Petavian library, being volume in fmall folio, containing feveral fermons of St. a volume in imal ione, containing leveral termons of St. Anguittin; he also mentions a third, containing that father's epittles, formerly belonging to the charch of Narbonne, and now in the cuflody of Makame de Phirmson. Befdes the homilies of Avisus bithop of Vicune, and divers diplomats's or charters all written on the paperar, which appear not to be lefs than 1100 years old."—But the decidious of this learned father concerning MSS. notwithflanding all his diplomatic fkill to highly boatted of, are not always infalli-ble: witness his taking the MS. of St. Mark's gospel at Venice to be written on Egyptian pappras, and that of Jofephou at Milan not to be for—Maffei fibews on the contrary, that the former is cotton pappra, and that the latter appears at first flight to be Egyptian: not but the Venetian MS. is wery old; but it has been fo much inde, that its leaves are so it were transformed into the original passe from whence they were made &

T. 12. P. 2. p. 902. 2 Vid. Mathiel lib. cit. Bibl. Bol. T. T. 32. P. 2. p. 992.

2. p. 252.

Manner of making the Egyptian PAPER.—They began with atomar of nating the Egyptian FAFE.—In Fig. egiph with opining off the two currents of the Japons, tax the head from they fit length-wife into two qual parts, and from each of thefe thy flipped the thin floaty cost or pollicles \*, whereof it was composed, with the point of a penknic \*\*. The intermed of those pollicles were looked on as the \*\*et; and those nearest the raid or bark the worst they were except and exceedingly, and conditioned different force of

kegt apart accordingly, and communes under the control of the cont

Diplot. ap. Bibl. Ital. T. 2. p. 247, feq. b Voll. de Art. Grasswar, l. 1. c. 37. Pitife, L. dei. T. 1. p. 413. wer. Charta. Hardou. at Plin. l. 13. c. 12. tel. pellicles were taken off, they extended them on a

table: then two or more of them were laid over each other transversely, so as that their fibres made right angles; in this transfereidy, so as that their fibres made right angles in this tast they were gloud together by the madely waters of the them they water of the their distribution of the their distribution of their

made of the finet when theorem, mixed with het water, and a frinkling of visioners, me in diverse cities of Egypt. There were polar missed cublistics, was that as Distri-ction, when, according to Various counts, polar was fift made. It is certain at least it was from hence that Greece and ludy were finamed, on account of the convenient fram-ation of that part: and it is more than probable it was the gave the Romanian confinis to excelled the at had been invested there. It was not till line, when Egypt was redu-ced in no Romain sportice, that they had limit intercent. cod into a Roman province, that they had much intercourie or ven knowledge of the inluid cities of Egypt, where parents of the part of the parents of the pa

of the incellistics of Inte-wall, avantables, a many, a many, i. 1, 1, 2, 2, 1, 14.
We find divers species of Engines per mentioned in early. We find divers species of Engines per species where they were manufactured on the species of the species phitheatre at Rome, much lefs at Alexandria,—2°. Sairies, made in the city Sai.—2°. Taminies, or according to others Tairies, whole place authors are not agreed on. There were other forts denominated from the makers; as,

with the reft, it had a thred. Others were denominated from the uses they were intended for a six 1º. Hieratica, the fift or oldest fort, which was appropriated to religious uses; this was afterwards denominated daysylfa and Liviensa, in complement to the emperor of that name, and his wife; who, according to fome, improved and made it whiter than before—2º. Emperities, or Emperica, a fmall and coarse fort, serving shop-keepers uses

Empirica, a finall and coarte tort, serving inop-scopers uses to the up goods, 6%.

The qualities for which the ancient peoper were prized, were their thinned, colones, whiteness and smoothers: though their breadth also considerably enhanced their value.—That of called Charta Claudia was thirteen inches wide; the Hieraritica, eleven; the Faminens, ten; Amphilheatrica, nine: for the Saitiea, it exceeded not the diameter of the mallet is

inner whithit first methods between the harz and the wood of divers trees, as the major, hand, beech and clin, but e-focially the tills, dauge, or linden tree, which was that madly said for this purpose.—On this, firipped Gif, flatted, and the said of the said to be fill extrant?, but the said t

p. 252, feq. Mabillon and Montfaucon fpeak frequently of ms Mabilion and Montineon focks frequently of munderigns and diploma's on dery, and are very experts in diffinguishing between the pipyrus und by the Egyptium, and the filter or are filt to fill or doct countries. The two are alledged to the contribution of the piper remains ledt; as in the case in a fewfr namedorije in the abbyr of St. Cerminin, where the become of the piper remains, but the cause fine face, on which the letters had been drawn, is in many places preded of? e Vid. Montfauc, Paleogr. Grav. I. 1. c. 2. p. iç. Mabill. de Re Dijkon. I. 1. c. 8. Reimm. Idea Sylv. Antiq. Liter. p.

But Maffei, it meit not be forgot, combate the whole fyl-tem of Jerf munderings, and charters, as a popular error; and maintains that the ancient never were dejloural's on Jerf; that the diffinition between the paper made of the deplays and of earts is without foundation; but the coll-plays and of earts in without foundation; but the coll-plays and of earts in the collection of the theory of tables for an open depth collection. When the paper to both foliar, a long polar body, wherein they wrote they could not have in the Egyptian paper by resion of its thines.

thannels. A bare French writer on the rules of criticism wanders further out of the way; when he speaks of a fort of spare in Egypts made of the pinh of the cypenus: he describes the manner of preparation, which was by reading this pinh of the cypenus: he describes the manner of preparation, which was by reading this pinh of the companion of th

side—boat that we loopes no a combon success only as a contract of the contrac

ter times, Bandas and Bandas came to denote catton) is a fort text times, Bushel and Bushel came to denote entern) is a fort which has been in the upwards of 600 years, as is thewn by Montfaucton from feveral authorities: what is more, enter a power appears to have been very common at that time, and confiquently mult have been invented long before. In the French king's library, are MSs. on this payer, which by the character, and other circumflauces, appear to be of the Xth century. But have been invented from the XIII be century, enters

Century De this as it will, from the Alth Century, either MSS are more frequent than perchanent ones 4. sets of \$^2 Montaine. Paleogr. Gree. 1. i. c. s. p. fee. item \$1. s. c. 6. p. 200, Marifel, life. it. Bill. Ind. T. s. p. \$25. conditions of limits of the lapit arbiful, or limits of consequently with the being injured.

Ant a tree.

Dr. Breckmann, profeffer at Branfreick, has published a natural history of the adults or insushilist paper, and what
is and remarks his, in printed for copes of it loods on
a band remarks his, in printed for copes of it loods on
the professor of the professor of the professor of the cope of
the printed by the professor of the cope of
the printed by the professor of the cope of
the printed by the printed by the cope of
the printed by the printed by the cope of
the printed by the printed by the cope of
the printed by the printed by the printed by the cope of
the printed by the printed by the printed by the cope of
the force of the printed by the printed by the printed by
the cope of the force of the printed by the printed by
the cope of the force of the printed by the printed by
the cope of the printed by the printed by
the printed by the printed by the printed by
the printed by the printed by the printed by
the printed by the printed by the printed by
the printed by the printed by the printed by
the printed by the printed by the printed by
the printed by the printed by the printed by
the printed by the printed by the printed by
the printed by the printed by the printed by
the printed by the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by
the printed by the printed by the printed by
t a quantity, he filtred it pretty much, and ocured the work-men to proceed with it in the usual method, with their wri-ting-paper mould; only to firir it about always before they put their mould in; confidering it as a far more pon-derous substance than what they used, and that frequently, if not immediately taken up after it was agitated, it would

finding. The proper make of it proved but courie, and too age to Title, plus the single pet HT with, there is maken to believe it might be much improved; por did the workern shorte, but it might be much improved; por did the workern shorte, but it notife twee pounded in one of their mornts for but in one if were pounded in one of their mornts for the provided by the state of the provided by

up goods, and on other occasions.

he Turks, Bufbequius tells us, have a veneration for page The Turks, Buffrequies tells us, have a veneration for peopre which approaches to fuperfiction: they will not produce or profituate the least bit to vile uses; but fold it very nearly, and by it up fast, because the name of God, or some text, forefooth, of the Alcoran may be written on it.—Vid. Buffeq. Epift. 1. Legat. Ture, p. 50.

Rock Books in large paper, are those which have wider margins than those on small paper, though otherwise of the same im-

than those on insul paper, thougo otherwise of the lame imperfision. See Book, IMPR 28210N, 36.

The manufacture of paper, has got footing in most countries; though France, Holland, and Genos, are the places where it faceceds best. In the general, it depends much on the quality of the linea worn in the country where it is made: where that is fine, or coarie, and brown, Sr. the rags, and confequently the poper made thereof, must be for too. Hence the whiteness of the Dutch and Flemith papers, beyond the Italian and French, and much more the Ger-man papers. The English manufacture hitherto has been in man perputition; but it is every day improving; immunication no great reputition; but it is every day improving; immunication that we now import little of the ordinary forts, which were formenty all brought from abroad. Yet payer-mills are of fome flanding among us. We find one erected at Dartford as early as the year 1788, which we believe was the first, indicated it is observed by a noted poet of that age, Tho. noments an estinglish from Notices. 1 of performing the conmonth of the control 
to move that Groughe a storing of a "Version to accommon to move the first of the first manner \(^1\) and even in fome provinces of the fame materials, etc. here, \(^1\) An even in fome provinces of the fame materials, etc. here, \(^1\) An even in fome provinces of the fame materials, etc. here, \(^1\) An even in form provinces of the fame materials of the fame of

Alladia and editors, new temperatry versues can insome a few of lines eight, or course, prepared for the purpose, the star of lines rechts, or course, prepared for the purpose, the star paintent Bill use; and not on space made of lines range. It is a star of lines of lines range. It is a star of lines and lines and lines are lines and lines and lines and lines are lines and lines and lines are lines are lines and lines are lines and lines are 
ferree in the time of Charles VII. of France, who died in 14th, that the queen his wide, we are only woman in 14th, that the queen in wide, we are of the property of the prop

us, he had a piece of poper which agreed well with a charter dated in 135%, in the 28° year of Edward III. He adds, that in the actives of the Binary bleeding to the date, that the actives of the Binary bleeding to the popular of t

p. 1515.

Add, that the invention of paper may appear more modern than it is, by reason records were not used to be wrote on it, but it was a considerable time confined to letters, and other fugacious compositions; which is so true, that to this either fugacious comparisonis which is no true, that no vaid, few inframents of any configuence are written on it, though it have been fo long in uic.—It is even allodged, that the peter, the venerable abbot of Chany, who did in 1439, has a patinge in his book against the Jews, which plainly indicates polyr books to have been then known; on the authority whereof Valefus, in his notes on the panegyrick of Benary of the period of the peter of th cates pier books to have been then known; on the authorized control of the pier of the pie

in a punisheon with many holes in the hostom, so in graces of the control of the

the infide. This keeps the hammers from touching it, and prevents any thing going out except filthy water. The mortars are implied with water night and day by little troughs, from a clitter field by backets fixed to the feveral floats of a wixed, to long as the wheel goes. In their mortars the rags being beaten fit for a remove to the prefix just by, they take them out with little iron hoop-

ed pails, out of any of the mortars, whole hammer they can itop whilft the others work.—This makes what they call the first staff.

From the mortars, this first stuff is lodged in boxes of five foot high, made like the corn-chandlers bins, with the bot-

tom board a-flant, and a little feparation on the front for tom coare a-tinat, and a little reparation on the tront for the water to drain away.—The pulp of rags being in, they take away as many of the front boards as are needful, and prefe the mass down hard with their hands: the next day they put on another board and more pulp, till the box is full. And here it remains mellowing a-week, more or left, according to the weather In the whole process, there must be no iron work where it may be liable to grow rufty, which would ironmould the

fluff, and spoil the toper.

After this, the fluff is again put into clean mortars, beaten afresh, and removed into boxes as before; in which state it

aireth, and removed how owness below, in which has it for the pit mortar, when it is again beaten, till fome of it being mixed with fair water, and berwed to and for appears like flower and water without any lumps in it.

stower and water without any lumps in it.
Thus pecpared, it is it for the pit morter which has fat
hammers without nails. Into this, by a trough, runs water continually whilst they wook at the first and here the
beating and water diffolives it perfectly: after which it is
curried into the fat, and more is brought from the BoosesAnd thus they do funcefirely.

The fat is primed according to art, when the liquor has fuch a proportion of the pulp, as that a mould dipped in it, will take up as much as will make the facet of paper it, will take up as mu of the thickness defired,

or the interness centered.

A mould is a future fieve about an inch deep, bottomed with brafe-wire-cloth, fupported with flicks to greent the wire from bagging down, and keep it perfelly herizontal's for that if it any ways bags, one part of the flicet of Paper will be thicker than the other.

will be thicker than the other.

This modd the maker dips, with a dockle one, inner the fix.

This modd the maker dips, with the weet may run clear
from the pulp in the firer, and thus deliver it to the conclusion, the control of t coucher fuecestively.

concluse (secolively.

A pol being mind, either the maker, or exocher whilles is upon which four or few mas advance, one whereof draws upon which four or few mas advance, one whereof draws and early one is with part for few in the part four in

This, after two or three pulls, as before, is taken out, again by the dry workman, and carried up into the loft, and hung fix or feven floets together upon lines faftened to a thing called a wribble, each tribble containing thirty lines ten or twelve foot long.

When dried it is taken down, laid on a three footed flool, and there rubbed smooth with the hands; and afterwards plac-

and there rubbed innooth with the hands; and atterwards placed in henge, fewer or eight fort high, in a very dry place; where it hands till faring, which is the next operation. One per two barries of water; and thot this, when just warm, kary possuls weight of clean parchment or vellum flamming which they boil till it be reduced to a perfect fine; then firm it through a fine cloth, on which is firward a due proportion of white viriled and rool-allum findly and due proportion of white viriled and rool-allum findly

owdered, into a tub a foot deep

producted, into a tolk a foot deep.

Near to that to he are brought four or fire reams of the paper; and a full gage, or fo much as can be taken up with the lands at a time, is dipped into the fire, being omthe quite manners, as the state of the paper and the hands can well bear it; and by a certain genit equite management, it is foot needed that every fixer thall be fixed: after which, it is put regularly into the profit, perfect, most offered them tem the draing lost, and hung utually these by these tild less. Description, that the drained are profit of the fixer.

would other wife endanger the evaporation of the fize.

When thoroughly dry it is taken down, fmoothed with the hands 28 before, heaped, prefied hard, and fo it flands all names as beace, neaper, precious hand, and not be trained an night. Next morning it is taken out, and carried into the florehouse, where it is forted; what is fit for infide quires, are laid by themselves, and the outside by themselves, and the outside by themselves, and then it is presided again, and so commonly stands

all night.

In the morning it is carried into the florehouse again, where it is told into quires of 24 or 25 Shotte each, folded, haid by in beaps; and when there is a prefi full, it is prefired again, double for a while, and then made into reams of 20 quires each \*, and bales of 10 reams to a bales \*.

\*\*PAT Hough Collet\*\*. The p. 41.5, feq. \*\* Moor's Matthews.

Comp. p. 16.

The broken fleets are commonly put together, and two of the worst quires placed on the outside of the ream, called the sat-fall quires; thus being tied up in wrappers made of the fettlings of the fat, it is fit for fale. With fome of the aforefail pulp, is also made passeboard, after the same manner as paper, only that it is thicker.

See PASTEBOARD.

With a fine fort of this pasteboard, they also make play-ing cards. See CARDS.

ing cards. See CARD.

Poper is feld by the ream, every where we think, except
in the paper-works of Auvergne, where it is feld by
weight, at the rate of 14, cunces to the pound; each
ream according to its kind, being to weight a certain
number of Pounds, preferibed by authority.—Savar. he. cit.
PAPERS are of various kinds.—With regard to colours, they APRES are of various kinds.—With regard to colours, they may be divided into whethe privacy, share, Ke.—With regard to quality into fuse, fermed, befored, peperan, Ke.—With regard to equality into the more frequency, 9th, Ke.—With regard to dimensions, into dimensions, sind days, medium, craum, fields each, per, regal, fepter-riad, siphemi, etlar, Sec.—With regard to country, into Germany, London-A, Rochel, Gans, Hilland, Ke.
Germany, London-A, Rochel, Gans, Hilland, Ke.

PAP

French paper are fived in large, saidle and fault.

— The control belong their called, spin Remains, part of the control belong their called, spin Remains, part of the control belong their called, spin Remains, part of the control belong their called their cases, all thus denominated from the marks injected on the mark and their control belong their commonly the arms of the compredient general of the firmance; Tallen, with the same of the inchmedite Tallen, the control belong their cases of their control belong their cases of their cas

Yards or Dema-tant FAFER, for deligning on, is citate ordan, blue, or bifer, or white paper without over with a fpunge dipped in foot-water. Its use, is to fave the labour of the crayon in places which are to be fhadowed the firm depth with the trint of this paper.—For light places, they are made thereon with white chalk.—Fal. Corneil. Elem. die.

make thereon with write cross.—rin. Contine. Lean. six period. Print. Print. C. 15. p. 34, foully flained, or painted as it were with divers colours; made by applying a flace on the furface of a liquor wherein colours diated with oil or ox's goll are fulpended. See D'vrive.

The manner of making it is thus.—A trough is provided of The manner of making it is thus.—A trough a growsen or the flaps and dismensions of a flate of the paper to be mur-bled, and about four fingers deep, mode of lead or wood well joined, and pitched or primed to contain the flagor. —For the figuor, a quarter of a pound of gum traggeanth is uncertact four or five days in fair water, to which they add ten or twelve quarts of water, till it be of a confu-tency fornewhat thanner than oil; then they flatin it into the trough.

the trough.

The depth of the spiked thercom, for blue, are indiged person does with white lead—For given, indep and organization, and the control of the spiked person of the sp

if the colours dilute not of themfelves findicarily, they add more gall—On the contrary, if they fixed too much, the gall is over-deded, and mult be correled by adding more of the colour without gall. in the colour shape of the colour without gall. in the colour shape of the colour shape of the colour text of the colour shape of the colour shape of the text of the colour shape of the colour shape of the ferrices, and for the more university interpretating of the ferrices, and for the more university interpretating of the

liquor.
This done, and all the colours ranged in gallipots on the This does, and all the colours ranged in galaptons on teathin, where all fath to trough is plotted, they begin by disping a both of loof; but into my considerable principles and the colour were rightly repeated, it is not the loquer. If the colour were rightly repeated, it is will distinct like the training and the training and the training and the results of the

mixed with or's gall, over the liquor. When all the colean are that floating on the liquor, to give them that agreeable cambleting which we admire in mersh paper, they use a pointed frick, which being applied by drawing it from one fide of the trough to the other with address, first up the liquor and furchasting calcurs; othen with a comb taken by the head with both hands, they comb the furface of the liquor in the trough from one extreme to another, permitting only the teeth to enter:

this being performed with a gentle and uniform motion, makes those clouds and undulations whereon much of the beauty of the paper depends.

beauty of the payor depends. If it be further defired to have the colours lie in any other fantathical pofture, representing screents or the like, it is effected with the pointed flick abovementioned, by draw-ing it over what has been already combed; but this mult be done with a dexterous hand, and with a shallow dig into the liquor, circling as if you would draw fome flourish, or

ngures setter.

Laftly, the colours being in this posture, the operator dif-plays, and applys on them a sheet of white poper; to do which, artisf-like, requires a sleight to be obtained only by practice; for that the surfaces of the liquor and the by presidency for that the furnices of the lapser and the spear are to meet equally in all parts: which done, before the content of the content of the content of the theoretic content of the content of the content of the public, he lift up the paper inhally, and with an even hand; and then inecasing it a while on a board, hangs it on a lime to dry; which when fulficiently done, they po-lish it with a marble slows, or ivery knob.—It must be observed, that the formissing of the colours is to be reserveoncerved, that the sprinking of the colours is to be renew-ed, and all the other ceremonics performed with the flick and comb at every application of a fresh paper, by reason every paper takes off all the colour from the liquor \*. \*\*Pid. Kirch. & these 'O' Holes. 1. 10. Par. 2. c. 4. Merr. Oi-fers. on Norl de art. Virr. c. 42. p. 312. Hought. Galler. T. 2. p. 410. Every colour forms of the colour from the liquor \*.

flays have been made to inrich the marbling by mixing

Some cllys have been made to inrich the mathling by mixing gall and litter with the colours, which facecade wild, effectually for the French King Library, though the expense control of the property of the colour state of the colour state of trees, effectably the abounding in figs, as the collection of the colour state of the colour state of trees, effectably the abounding in figs, as the milterry-trees, and clm, but childry of the hamble and cost too-trees. In reality, should carb province has in several to the colour state of the colour st paper that of Se-Green is mude of hempy that of Fa-kews, of left hambal intuit did in the moritem province, of the bark of the molitery-see: that of the province of the bark of the molitery-see: that of the province of the property of the first of the province of Expreymen, of the find found in the fillworm hall, In fine, in the province of Ha-quarag, the tree chap, or ke-chap, farmfast the sprincial material for parsons of their for PAPER is made of the bark of reery, the material of the of the barble, a tree of the case, or real-king, kingli hall low, and divided into joints but much larger, finocher, harder and through that any other fort of reel.

tow, and deviced two joints just much larges form-dark joint part of the p

But the paper of the bundle, it is the Coldrevel, is noticled that the paper of the bundle, it is the Coldrevel, is noticled that the cripcile, it is yield the priority to the paper moth of the centrum thrush, which is the which and fundle, and at the centrum thrush, which is the which and fundle, and at the centrum thrush, which is the which and the centrum thrush and thrus

then they take off the inner rind in long thin flips, which they blanch in water and the fun; and afterwards prepare them in the fame manner as the bambil.

It must not be forgot, that in the other trees it is only the

inward bark that ferves for making sajer; but the bambû, as well as the cotton finub, have this peculiarity, that not only their bark, but their whole substance may be employed. only their bark, but their whose fustance may be employed, by means of the following preparations, they falled those Out of a wood of the larged bamble's, they falled those of a year's growth, which are about the thickness of the rind, and falled their bark they faring of their farit green rind, and falled them of the rind of their farit green long: the pieces than elift, they flow in a point of an in-larmatist, there itsel them not, wast them in clean water, a branistist, there itsel them not, wast them in clean water,

water, till they ree and grow fort by the maceration. In a fortnight, they take them out, wasth them in clean water, spread them in a large dry ditch, and cover them with lime for a few days; then take them out again, and having washed them a second time, slip them into filaments, which wanted them a lecture time, any them into marments, which they expose in the fun to dry and whiten; then throw them into large coppers, where they are thoroughly boiled; and laftly reduce them by the strokes of large hammers to a thin

lalfly reduce them by the strokes of large nammers to a tuni-patis, or palp.

Them they take some shoots of a plant called Ks-trag, soak them four or five days in water, till there come out an unc-tuom fary fort of juice; this they mix with the pulp of which the paper is to be made, former/hat in the sitem ensan-on which the paper is to be made, former/hat in the goldens are put in too market, nor tool fatted of it, on which the goldens put in too market.

put in too much, nor not need or it, on which the goodings of the paper much depends. When they have mixed the juice of Ko-teng with the cleft bumbd, and beaten the whole till it refembles a thick claim-my water; they pour it into a large deep refervoir, confid-ing of four walls raifed breaft high, and the fides and bottom fo comented, that the liquor cannot run out.

between the commental, that the lippur cunner run out, nor find it in.

One of the lippur cunner run out, nor find it in.

One of the control of the control of the find of the find for the finding of t dered as fine as wire; they are then boiled in oil till tho-roughly foaked, that the mould may enter lightly into the water, and not fink deeper than is requisite to take up matter enough for a fheet

matter enough for a theet.

To make fibers of any extraordinary fize, care is taken to have a refervoir and mould large in proportion. This mould is fulfained by firings which pais over a pulley; the moment these pull up the frame, the workmen placed affect her refervoir, affift to take the fluct off; working together in a

regular manner.

regular manner, For drying the floets when taken off, they have a bollow wall, whole fides are well whitened: at one end hereof is an aperture, through which, by means of a pipe, they convey the heat of a neighbouring furnace: and at the opportire end is a small vent to let out the smoke. By help of this fort of stove, they dry the spore almost as fast as it is made.

is much. Silvering of paper is norther forcet among the Chinetic, practiced at a very final change, and without using any finer—and the control of the contr

and this effected, lay them again on the table, and rub them gently with clean cotton to take off the superfluous ale, which serves a scood time for the same Purpose. With this powder diluted in water mixed with glue and allom, they draw any figures at fancy on the power.—Vid. du Hald. Defer. Chia. T. 1. p. 368, feq.

PAPER-CLOTHES became a mode a few years ago in France. M. Flacks has a differtation express on the subject, wherein he tells us this fashion scarce outlived half a day; and unhe tells us this fathion fearce outlived half a day; and un-dertakes to flow that it is no new thing, but to have been practified among the ancients. But then it flould be con-fidered that the old Egyptian paper was a very different thing from ours; as being likewife used for fails, ropes, \$G\_\*P.B.N. Germ. T. 1. p. 260.

AFR.M.ILL.S. See the article MILL.

PAPER-OFFICE, is the name of an ancient office in the palace of Whitehall, wherein all the publick writings, matters of flate and council, proclamations, letters, intelli-gences, negotiations of the king's ministers abroad, and generally all the papers and dispatches that pus through the offices of the fecretaries of flate, are lodged, and dif-in the way of library.—It was chiefly from this noble and disposed pository that Bishop Barnet had the materials for his History of the Reformation,-Vid. Nichols. Eng. Hist. Libr. P. tary of the Refo

3. c. I. p. 180.

There is also an office belonging to the court of King's-bench, called by the same denomination.—Jac. Law D.

PAPER-PORTRAITS, and Pillures .- One Elizabeth Pyberg, who lived at the Hague in 1699, cut in sayer not only towns, as Loo and Hounflerdyke, but faces to an extreme likerness. Mr. Ellys affores, she did king William and queen Mary better than any limner he had ever seen, and efused 1000 guilders for the pieces: which were so curious, that he could not believe the queen's drapery not to be point till he had most exquisitely inquired into it .- Vid. Pbil.

till he had most exquititely inquired into it.—\*is. Pest. Trans. N° 286. p. 1418.

For the Missing Paper-Work, or High German paper engine, contrived by Mrs. Vandenhurk, and now exposed to publick flow in Lundon, we can give no particular account

PAPERS is also used for writings, especially those relating to a man's estate, property, dealings, or the like. See WRI-

IN which fenfe, papers include books of accounts, invoices, orders, allo decids, bonds, charters, and the like. See Act, INSTRUMENT, ACCOUNT, BOOKS, RECORD, ARCHIVE, REGISTER, GC.
PAPERS is allo fometimes used for manufeript-books. See

BOOK and MANDSCRIPT.

Book and MANBURLET.

Such as suchous left his paper to ever college. Several of Such as suchous left his paper were college. Several of state his college was a such as a such a

JOURNAL, Gr.
In this fense we say, to read the papers; the papers abound with fallhoods; the multitude of papers is become a burthen on coffee-houses, but an advantage to the revenue.-We have daily papers, weekly papers, morning papers, evening papers, occasional papers, political papers, literary papers, papers of entertainment, Uc.

A F R, among bankers and other negociants, is also used

PALER, among bankers and other negocianus, to and for bills of exchange, bank, and promiffory notes, &c. See BILL, Ge. If have no money to give you, but only paper; paper indeed as good as ready money. In the year 1720 multitudes were ruined by changing their money and lands for paper. It is

the use and effect of credit to represent money by paper. See MONEY, &c.

MONEY, Gr.

Subfituting paper for money, and giving the paper an arbitrary value, was the way of paping debt introduced in which people were to carry their money, and receive the value of it in bills, which were to pair current in trade at for much money.

The paper was to the paper was to be a paper and the galaxy of the paper was to confident of goods, and the galaxy, for any man to keep above 40 lives by him of any bet paper many. When the regers was told good, and the galles, for any man to keep show e. of livrae by him of any bet spor mosp. When the regard was old what a range was finited on pajurid him about the arrae for making pope current, and how equit the regick thereasted they would bark but not blue, let Fremeier refembles are stated but not blue, let Fremeier refembles are stated bark but not blue, let Fremeier refembles are stated bark and before a sea of the lapsel, mainter mether pa. Mid. 350, Lett. T. 4. p. 16. p. 16

each day, for that among this people the planets were directors. And hence it is, that in most European lan-guages, the days of the week are still denominated from the planets; Sundsy, Monday, &c. Sec WEEK.

ANETARY years, the periods of time wherein the &cveral planets make their revolutions round the fun, or the PLANETARY years,

As from the proper revolution of the fun, the foliar year takes its original; fo from the proper revolutions of the takes in original; fo from the proper revolutions of the ref of the planes about the earth, fo many forts of years do strip, voz. the futurainal year, which is defined by 32 round rumber to 20 folder years.—The joinal year, con-taining 317, days, 142, hours, 52 minutes.—The marrial year containing 32 days, 23 foots, 31 minutes.—The Verma and Mercury, as their years, when judged of with they are more unlikely elitated from the fun, the true cen-ter was a superior of the property of the property of the property of the year more unlikely elitated from the fun, the true centhey are more usually estimated from the sun, the true centhey are more usually estimated from the fun, the true center of their motions: in which cells, the former is equal not the control of the former of their motions. In their code of the property of the property of the property of the former of the former and the former of the former of the department of the former of the former of the department of the former of th

new, easy, and general methods for making the seven tary squares, and all others to infinity, by numbers in all forts of progressions.

S.

ATYR \*, SATYRA, or SATIRA, in a literary fenfe, SATIKA, SATYKA, or SATIKA, in a series, con-figuring all manner of difcourse wherein any person is reprehended; but more perticularly a poem, wherein mens follies, and vices are wittily exposed, in order to their re-

mixton. Aggin of the work has been the excession of a notable figure among reitides. The common quintum, especially by Scaliger, Heinfaus and Vollies, deduces it from the Gircule Larane, Japan, a fort of Sylven deities, by the Romans called Jami, to whole pertulacey and wantoments this fort occupion of improped to been from refundance.—On which hosting Japan is considered as a poem of a wanton, and licentious sustant, which like the Japan, turn the part of t fairs. — Scaliger nevertheless desteads the ancient express from the Greek Euryses, which be makes the origin of the Latin stars, starves laws, Sec. which according to him were appellations this took in the strictifies and exerminosis of Bucchos, where story were rehearded: Now a starves ord you have although our stripes are covered sugarage gramments a quite that a staryin status parts over stronger gramments a gram but a staryin status parts over stronger gramments and the caught start parts over the start purpose as

S A I I grown w-la diffe, feptivel perty, securiting to this criticity, my be naturally enough deduced from the watenuck of the figure; and what confirms, it is that Excepts the reaching the security of the figure is that the security of the figure is the figure in the figure is more in the figure in the figure is the figure in the figure in the figure in the figure is the figure in the figure in the figure in the figure is the figure in th is good-nature: all the fertiments which are beautiful in this way of writing multi proceed from that quality in the saving of winding multi proceed from that quality in the savice and folly, which prompts the poet to expert himself with finantiest against the errors of men, but without the ternets towards their perfors. It is this quality keep the mind in equalitatility, and never lets an offence unfactionally throw a man out of his character. When Vigil faid, he mid to the process of the proces that did not hate Bavius might tone Augures, ne was in per-fect good humour, and was not fo much moved at their ab-furdities, as pationately to call them fots, or blockheads in a direct invective, but laughed at them with a delicacy of feorm, without any mixture of anger.—The best good man a direct invectors, but languals at them with a delectey of with the world-mained made, was the channelst among us of with the world-mained made, was the channelst among us of a gentleman za famous for his hammality, as his wife. In greater integligation in the left turnery, and confidence with greater integligation in the left turnery, and confidence with men or habel wife was full flow, both they jump men flow the men can be able with the proper of them: flow the men can be able to the proper of the con-figuration of the control of the control of the con-dense not appurently proceed from the contrary disjointion.— Fr Fall N vis 2. T. i. p. 826, for, Fr Fall N vis 2. T. i. p. 826, for, and the control of the con-trol of the control of the con-

poet's own perfon.—Such is the first or Juvenai, Demonstick, is that wherein feveral perfons discourse toge-ther; whether they be nameles, as in the first of Persius; or have name, as of Catina and Damasfegous. Mist, is compounded of both the former; as that fine one of Universe Mistage and Catina Catina.

of Horace, Bean forte via faces.

Grave, and animated, which inveigh with warmth and can

effnels against corruption, and vice in every shape. - As those

of Juvenal and Perfius. Speries, and lighter, which feem to play with mens follies, but in playing omit no opportunity of making them feel the lafth.—Such are those of Horace, hence said to be fermsoi

influences are time or toward, forces to the profite par-fers a dryfas, like that of the ancient farmy formanded with vine levers, with which it fills unswares.—The server is the profit of the profit of the server is the profit of the tion; and the columnes of the latter formations fasks to mer. Tallery, But between the two extremes are a great num-ber of intermediate species and degrees. The former, expe-tences are the profit of the profit of the lange, year at ward difficult than to make people of talk lange, year at the of microscope potential and express. The stranger, elge-more difficult than to make people of the langh, even at the expence of others. The straining of this mult be the first of genies and clauses, rather than takes perhaps in may and even malice are matters more than full-cent for a post who warm not with, and plangement. The Day Uverall; 28 and and even malice are matters more than full-cent for a post who warm not with, and plangement. The Day Uverall; 28 and planger to the property of the property of the property of the contract of the property of the property of the fight of two sets on Sphillon.—I. Moscap, Trail de la popt, France, e. 4, Minn. 4 throw, for, pray 29, 20 th, In gending the writing of the two leaders of the two forts foliate, that they lived in very different times: Honce way intimate with a prince of the greatest poolends, and Daman-pholic than the property of the property of the property of the contract of the property of the property of the behaviour, falle potences to polleness, or importance affect-tions of what man were not at the v. Vicco of a confer-tion of the palace of Augustus.—Juvensl, on the other hand, lived use

der Domitan, in whose reign every thing great and noble was bundled the historitosis of the men in power. There-fore he attacks we six pilleds by in citallym, ber as it breads into convention. The fill of empire, contempt of glory, and a gental elegency of manners, are before his eyes in and a gental elegency of manners, are before his eyes in the liveral had been supported by the proposed of the like livreal had been supported by the proposed of the like livreal had been supported by the proposed of the like livreal had been supported by the like livreal had been supported his like librore. Monthly, and wirtes are very oble antenna-mended in Henner, as because man in a polite court, from the beauty, monthly, and convenience of purising them; the beauty, propriety, and convenience of purfuing them:

the beauty, property, and convenience of purious them there were an correspond as exacted by Juvenell as fight which the contract of the property of the prope

detection, has from producing the effect it is deligibed nor, reformation, is apt to drive men to desperation, and harden them in their course. The excellent author of the treatise of the Geogramment of the Tasgar, speaking of uncharitable truths, says, a discovery of this kind serves not to reclaim, truths, fays, a differency of this kind ferves not to reclaim, but carage the officeder, and precipitate him into farther degrees of ill. Modelfy and fear of thane is one of those natural rethraints which the wisions of heaven has put on man-kind: and he who once flumbles, may yet by a check of that bridge recover himself again. But when by a publick deteration he is fallen under that infamy be feared, he will be then apt to difeard all caution, and to think he owes himfelf the age to differed all caution, and no think the owns himself that unmed pleasares of view at the price of his reputation.—New, perhaps be advanced farthers of view at the price of his reputation.—New, perhaps be advanced farther, and fets up for a reverfed for of finns, by brieg memorally wisked; that he who before was bot a chundeline diffeigh, becomes a docker of impirity.—Debudded it was the four of readings that induced out wide Egiplatures ladely to repeat the law which put the brand references are the four of the form.—In effect, where crimes are contrasted to the  $-P_i$  and  $-P_i$ 

potter may deferve left.—P. Tatil. N° 74: 1.2. p. 154: Jep. See also N° 76, p. 166. fep.
Gred SATYR.—Cafaubon makes a difficultion between the fagrid pottery of the Greeks, and the fary of the Romans,
which he maintains was peculiar to thomselves; in which
also be feems to be judition by Quintilian. Serving audion
also he feems to be judition for Quintilian. Serving audion
Which fame Language greate makes adopted fairs by Homes to have been the first fatyrical poet b

-Est Lucilius aufus

been the fift floyrical poet. "In Latinus afor Priman is how sover conference and many for the prima in the sour in conference and floyre, Greeni intelligence cormen, a fort of percey undersoon to the Greené. Spankein in the Sour Herner Comment of the Greene Conference for Conference

alleviate the diffrets, and with their jeers and humour di-verfuly the folemnity of the tragick feene: much like the mimes in comedy, and the fefceunines in the Atellan fports. See SATYRICAL

See SATURICAL.

At first its was only in the tragedic exhibited in the feal's of Bacchus, that faryer, the supposed companions and priests of that god, were introduced: but afterwards they made a part in the folemnities of the other defines. So that fary, in its first institution, was wholly diamstick.—V. Scalig, Part. 1.

1. c. 11 & 12. See also the article SATURICAL.

1. c. 11 & 12. See also the article SATYRICAL.

1. c. 11 & 12. See also the article SATYRICAL.

Roman SATYR.—Dacker, after Casanbon, traces the inflitution of the Roman fayr very minutely; and diffinguishes three fipecies or flates of it: the first dramatich, the second marrative, the third that called the Varranian or Manippean fatyr. They, the third that called the Personan or Montpean Jays, The ancient Romans had been without any feetheal enter-tainments for almost four hundred years; till chance and merriment in one of their feltivals gave rise to the faturinie and feforanine veries, which for forme years (upplied the place of theatries) performances. These veries were ruse, place of the trained performances. The fiverion were rate, and without a year modelline, being extensionary, and the pro-tained with the property of the pro-tained with the property of the pro-tained with good arisers, and accompanied with geffendations and action of Am Res of them may be found by execut-nated with the property of the pro-tained with the pro-perty of the property of the pro-perty of the pro-tained with the pro-perty of the pro-perty of the pro-tained with the pro-perty of the pro-perty of the pro-perty of the pro-tained with the pro-perty of the pro-tained with the pro-tained with the pro-perty of the pro-tained with the pro-tained with the pro-tained with the pro-tained with the pro-perty of the pro-tained with the pro-perty of the pro-tained with the pro-perty of the pro-tained with t

And thus they continued till the time of Livius Androni-eus, who fift attempted to write plays in imitation of the Greeks. This new entertainment appearing more noble and perfect, drew crowds of feedbarrs, which occasioned the futry to be neglected for fome time; but they were afthe Jahyi to be negacted for some time; but tany were ar-terwards refunned, and tacked to the ends of connedies, much like the modern farces. They were annexed more peculiarly to the Atellane pieces, and on this occasion change of their name Jahyi for that of after retained. See Exon 12 when the seed of the seed of the far retained. See Exon 12 when the seed of t

of their name Jayer, for that of audia, which they ever of their name Jayer, for that of audia, which they ex-perience of the Konsans for Jayer, insugand that pooms not re-present the the Konsans for Jayer, insugand that pooms not re-sent the second of the second that the second that the certa. Accordingly, he well influently under the oth of for-cess, and the second that the second to the second to trechnic estimates. In their pieces were found the fam-tor that the second to the second to the second to the void extra free that the second to the second to the void extra free the second to the second to the second void to the second to the second to the second to the second void to the second to the second to the second to the second void to the second to the second to the second to the second void to the Konsans had been an imperced image in their instance the character of the ancient Greek country, or which the Konsans had been an imperced image in their late of the second to the second to the second to the second void to the Konsans had been an imperced image in their late of the second to the seco he faid, fatyr 1. lib. 2.

-Quid, eum est Lucilius aufus

— 20,004, cas of Leilius edgs

Prisus is incup open support compare compare compare

La citald por mean, that the Kennata by Longiand Preci
view, when he initiated. Horsee's defigu was only to hist
that Leichius's manner and turn was new, that he had com
sate in first author. But in 64th, Leibila only adde to it
a little more politected and fait, without other alternation, of

or with in the fame piece, yet be composed different posmi
fonce of which were entirely beammeter, others insules, and

The third kind of juny was the Ferrain or Molyton, of

called from its author Ferra, the moft learned of the Ro
muns, and because in this he instead to manner of the

cause from the author Farry, the Boart Learned on the Bonnique the Caustraina, a cryine philosopher.

The Joyre was not only a misclamy of different forts of
etre, between all internations with positions of the state of
key rich and the Caustrain Dialogues, the Golden als of Appelion,
and the Carlos of the capterey labour, are for many fortand the Carlos of the capterey labour, are for many fortferred the Carloslicen of Spain, the Motre Encomium of
Enrifmus, the Dou Ogitot of Corvators, the adverticements from Parantin of Boccalini, the Tale of a Tub by
Enrifmus the Dou Ogitot of Corvators, the adverticements from Parantin of Boccalini, the Tale of a Tub by
Enrifmus, the Dough of Spain, and the Carloslicen

Enrif et A. et als fort. Ta. p. 24 fort, And in the
perfect to his vertice of labour. Spain Refer. Spain

The Balton of July Refer. Spain Refer. Spain

The Enrich of Spain of the Carloslicense in the parallel of

the attract of July. See Say 12, 18, 18

We have Digrangle quest, Julying develocy, as South Egy
Tell, and Applians and Montagle—and it as anchen thought, as

gy, we find a fatyrical god, viz. Momus: Homer in his Therfites gives the character of a fatyrical courtier. The Dutch have been charged with fatyrical prints, and medals; which have fometimes cost them dear,

Satyrical poetry had its origin at Athens; though its perfection be owing to the Romans. According to father gues, and Beanchini<sup>a</sup>, it was at first a fort of tragedy acted at the feasts of Bacches, whein satyrs were introduced con-versing with heroes. Burette rather takes it for a fort of rades: the actors herein were diguifed variously, fome in the habits of fatyrs, Sileni, Centaurs, Maenades, and other of Bacchas's crew; while others personated giants, cyclopes, moniters, and even beafts: the whole making a medley more monthers, and even health; the whole making a medity more romantick and extravelgant than any thing on the modern flags, untile perhaps from of our late grottefque partonnine entertainments. The only piece of the kind now extant is the KKRAN's of Euripides!—IV Boind, for In Mafgl, St Institut for Institute and the in Near, Acad. R. Infect. T. 5, p. 176, B. M. & V. Fabric, Bill. Gree. 1. 2, c. 18, § 2, p. 645.

SATNET C Fourthin. See the article Fourtrain.

SPINOZISM, or SPINOSISM, the doctrine of Spineza; or, atherifm and pantherifm proposed after the manner of Spineza. See ATHEIST.

Nee ATHERTY.
The great principle of Spinnzifn is, that there is nothing properly and abfolutely existing, but matter, and the modifications of matter; among which are even comprehended, thoughts, abstract and general ideas, comprising, relations, combinations of relations, Gr. See MATTER, Sub-STANCE, Gr.

France, Ur., Brigan, was a man well known in Benezick Spaces, the large English at London.

Spinoza, here, that all religions are only political engines, calculated for the publick good; to render the

virtue and morality. He does not here lay down his notion of the Deity openly; but contents himself with fuggetting it.—In his Ethicit, published among his posthumous works, he is more open and express; maintaining, that God is not, as we imagine him, an infinite, intelligent, happy and perfect Being; nor

any thing, but that natural virtue, or faculty, which is dif-fuled throughout all creatures. See NATURE. Numbers have undertaken to refute Spinsza's doctrine; assumes nave uncertaken to reture spinners's doctrine; but all very weakly, except what we have in Dr. Chrke's fermons at Boyke's lecture.—Within in Holland, Majus in Germany, and cle in Mothe in England, wrose against his Tradatau's but Bredenbourg, according to M. Bayle, fue-cocked best on the subject; who, however, is said to have afterwards been a convert to Saiversiae and to have afterwards been a convert to Saiversiae and to have ceridi Lett on the hippidi webs, however, in field to have afferenced here a convert to Spinning, and to have written a demonstration of the resolution of the relative spiral and the spiral convertible and the

the fullycet of the authors of the feriptures; and encavours to fhew, that the Pentateuch is not the work of Mofes; contrary to the common coinion, both of the Jews, and Chriffiam. He has also his particular fentiments, as to the authors of the other books.—This part of the work has been a subject to the contract of answered by M. Hoet, in his Demonstratis Evangelica; and by M. Simon, in his Fift. Crit. du vieux Test. See Pen-TATEUCH.

TATEUCH.
Spinnijm is a faceles of naturalism, or pamtheism, or hybridism, as it is founctimes called, i.e. of the dogma which allows of no other God but nature, or the universe; and, therefore, makes matter to be God.—Accordingly, Bod-cos, in a differentiation of spinnings canto spinning, proves at large, that Spinnar's document of the world, is the from being his own inventions, but that it had been held by

many philosophen of different fiels, both among the Claide-am and Greeks—It is certain, the opinion of the Stockies, and State Amount. Local introduces Cato diffeorating them: Eight Dai fold mili terra, 65 pottas, 55 airs, Eight Dai fold mili terra, 65 pottas, 55 airs, Eight Dai fold mili terra, 65 pottas, 55 airs, Eight Dai fold mili terra, 65 pottas, 55 airs, Eight Dai fold mili terra, 65 pottas, 55 airs, Fighter of poulcomps voides, poucong, merceri, Sexton likewise, and others among the Peripateticks, main-

Johns of pulsassy voirs, powers mervin.

Stront likewis, and choes among the Prejection's, misself standings are like it; and what is more, though or misself standings are like it; and what is more, though or misself standings are like it; and what is more, though or misself the grant freedom to Code, and carefully offlagosithal him from gasters; yet Goale and carefully offlagosithal him from gasters; yet Goale careful to Spanish, was that which capple that all things origin with Spanish—that the fall that grant produce the contract the Apartica Produce and the same of the Elevis Apiles of with Spanish, was that which cappet that all things origin with Spanish—To the same was more than the same of the Elevis Apiles of with Spanish produced in the same of the Elevis Apiles of the Spanish produced in the Spanish of the Spanish produced in the Spanish of Districts.

And, that the field of Pas in China and Japan, that of the misses of the Spanish of the Spanish of Districts.

The Carlo strucks in Spanish prime are reached to the Spanish of the Spanish of the Spanish of Spanish prime are reached to the Carlo Spanish of the Spanish of Spanish of the Spanish of Span only fishfrance is endued with an infinite number of attri-butes, among which are extention and cogitation.—That all the bodies in the universe are modifications of this fub-flance considered as it is extended; and that all the fools of men are modifications of the fame subfrance confidered as cogitative.—That God is a necessary and infinitely perfect being, and is the cause of all things that exist, but is not a being, and as the cause of all things that exist, but is not a different being from them.—That there is but one being and one nature; and that this nature produces within itself, by an immanent ach, all those which we call creatures.— And that this being is at the fame time both agent and pa-tient, efficient case and subject, but that he produces no-thing but modifications of himself.

Thus is the Doity made the fole agent as well as patient in all evil, both phylical and moral, that called malum pames, as well as malum culps: a doctrine fraught with more imall evil, both physical and moral, that called nashine pares, as well as noshine onlyer is a decline frought with more impelex than all the hunters porce have published concerning their lipitary. Verma Reims to be written from the property of the property of the property of the control of the property of the control of the property as there feems no agreement between the three conditi A matter created out of nothing is no less inconceivable, whether effects we make to firm an idea of a sail of the will that on change whet below was outling, into real fishermer. Belds in being contrary to the known making of the contract of the c whatever efforts we make to form an idea of an act of the

bimidel for derawal but within himiteld—but is in certain, if the new hydron recise we from from definition, it involves in ten for the medicillon, it involves in the new hydron recise we from from definition, it involves in the certain form of the certain form the great in one follows, either that extending in the great in one follows, or the certain form of the certain form the great in the follows, either that elements of the certain follows, and the certain form of the certain follows, and the certain form of the certain forms of the certain form of the certain forms of the certain f

the a fourze figure, and a circular figure was incomparable with the figure piece of waxe. Whence it follows, that the dishmen endedled by the figure for caused the the middle by the figure figure caused the the figure fixed the fixed by the figure for count for the fixed follows with the same and the same of the sam

assume. See Vicevum.

J. Il Sphenis proper extravegant when we genifier God as the patients of all the institution, comprises and generalizes in bushed of all the institution, comprises and generalizes in bushed to all the institutions of the patients of the patients of the desired of all the analogation of this height, of we see and face only, to unite catesian and thinking as the fame to deduce a few in its or an all the that of we are and, or of water and profites a winter to the contract of the patients of the patien

with the finitumes; and confequently are skemmled with each strate, by the infinitumes in and will allow, they be the finitumes in the will allow, the proposed of the confequence of the confequence of the mind, for we make all their articles and in our tendence on the finitume of the initial confequence of the strategy of the confequence of the confequence of the confequence of God; it would be follow to they report and properly and professions, the confequence of diffinel from the subflance modified

RAVIESE, in low, denotes the detail of fone matter of field, the claim of the details of pleasings; gas which the other field center of the claim of the which the defectant planets of grill in bur to award the plain which the defectant planets of grill in bur to award the plain of the claim 
defendant's answer

and patter his tall, and confine and avoid, done or record the Apple is might which whether recovery are confident the plaint, and the property of the distinct of the plaint, and the plaint of the plaint, and the recovery by the distinct of the plaint, and the plaint way be recovery by the distinct of the plaint, and the plaint, and the plaint of the plaint, and the plaint of the plaint way be recovery by the plaint of the plaint of the plaint, and the plaint of the plaint, and the plaint of the plaint of a matter be expressly plainted in the affination, which is ac-puty alternal in the graphy, as we cannot be seen as a particular native in his play, but the material points confini-te the plainted of the plainted of the plainted of the plainted as particular native in his play, but the conscipling or di-trict the plainted of the plainted of the plainted of the second of the plainted of the plainted of the plainted of the confinite of the plainted of the plainted of the plainted of the confinite of the plainted of the plainted of the plainted of the confinite of the plainted of the plainted of the plainted of the confinite of the plainted of the confinite of the confinite of the confinite of the plainted of the confinite of the confinite of the confinite of the plainted of the confinite of th

RAYERST of an after, is the proving that an inquisition made of lands or goods is destribe, and metruly made. See Office, and INQUISITION IN QUISTION.
No perion shall travers an office, unless he can make to himself a good right and title: and if one be admitted to nevers an office, this admitted to nevers an office, this admitted to party to the travers, supposes the title to be in him, or clic he had no cave of praces.





HUMANITIES ESPERENCE MCN-CIRCULATING

